ELECTRONIC TEST EQUIPMENT NOMENCLATURE ASSIGNMENTS

VOLUME II

"COMPONENTS"

Instruments

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NOTICE

This document is to be used with discretion.

It is unofficial and should be used for reference only.

It is to be used with Volume I of SETE 210/74, and with document SETE 210/63 which lists the latest status of military nomenclatured electronic test equipment.

A cross-reference to Volume II by contractor, and by "Systems" grouping, is in preparation and will be mailed to you in due course.

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INTRODUCTION

The following tabulation of nomenclature assignments for electronic test equipment is a result of a study being made by Project SETE in the area of electronic test, checkout, and support equipment. It is a **dictionary type listing** in which the data conforms to the **original** nomenclature assignment. Some of these items are obsolete; some have never reached a working condition; the applicable specifications may now be superseded. Accordingly, if this document is to be used in connection with procurement of electronic test equipment, reference should be made to Document SETE 210/63 which lists the present status of such equipment. Since even that publication will be outdated, in part, soon after issue you are requested to follow established procedures in making your determinations. Remember, **these documents are unofficial and for reference only.**

Information contained in this report has been collected and compiled with care over a long period of time. Unfortunately, omissions and errors in a compilation of this type are unavoidable. It is therefore requested that recipients notify this office of any corrections or additions which they feel should be made.

AGENCY ABBREVIATIONS

The cognizant activity for any nomenclatured equipment may be determined from the Code Symbol appearing under the "Originating Lab. or Agency" column. Code symbols utilized are as follows:

ACSK	A.C. Spark Plug Division, GMC (Air Force)
ADA	U.S. Army Signal Air Defense Engineering Agency
AEL	Wright Air Development Division, Dept. of the U.S. Air Force
AFMTC	Air Force Missile Test Center
APGC	Air Proving Ground Center
ARL	Wright Air Development Division, Dept. of the U.S. Air Force
ASA	U.S. Army Security Agency
CAMESA	Canadian Military Electronics Standards Agency
CCDD	Air Force Cambridge Research Center
CRC	Air Force Cambridge Research Center
MPD	Armed Services Electro-Standards Agency
N	U.S. Navy
NSA	National Security Agency
ORDBA	Frankford Arsenal
ORDXM	U.S. Army Ballistic Missile Center
ORDXR	U.S. Army Rocket & Guided Missile Agency
RCA	Royal Canadian Army
RCAF	Royal Canadian Air Force
RCN	Royal Canadian Navy
RONE	Rome Air Materiel Area
SCL	U.S. Army Signal Research & Development Laboratory
SCLC	U.S. Army Signal Research & Development Laboratory
SCLE	U.S. Army Signal Research & Development Laboratory
SCLM	U.S. Army Signal Equipment Support Agency
SCLS	U.S. Army Signal Research & Development Laboratory
SEA	U.S. Army Signal Engineering Agency
SEL	U.S. Army Signal Research & Development Laboratory
SESA	U.S. Army Signal Equipment Support Agency
SIG	Research & Development Div. OCSigO
SIGUM	U.S. Army Liaison Group, Proj. Mich.
SIMSA	U.S. Army Materiel Support Agency
SWV	Air Force Special Weapons Center
TC	U.S. Army Signal Engineering Agency
USAEPG	U.S. Army Electronic Proving Ground
WDD	Air Force Ballistic Missile Division
WL	Rome Air Development Center

ABBREVIATIONS OF TECHNICAL TERMS

alternating current	ac
ampere	a
amplitude modulation	AM
analog to digital	A to D
audio frequency	AF
automatic	auto
automatic frequency control	AFC
automatic gain control	AGC
automatic volume control	AVC
average	avg
bandwidth	BW
beat frequency oscillator	BFO
binary coded decimal	BCD
cathode ray tube	CRT
center of scale	cs
centimeter	cm
coaxial	coax
continuous wave	CW
counts per minute	cpm
cycles per second	cps
decibel	db
decibel referred to 1 milliwatt	dbm
direct current	dc
digital to analog	D to A
division	div
double pole - double throw	DPDT
electron volt	ev
Exhibit	EXH:
external	ext
farad	f
foot	ft
frequency modulation	FM
frequency shift keying	FSK
frequency shift modulation	FSM
full scale	fs
Geiger-Mueller	GM
gravity (pull of)	g
ground support equipment	GSE
gyroscope	gyro
henry	h
impedance	Z
inch	"
inches per second	ips
internal	int
intermediate frequency	IF
kilo_	k
kilocycles per second	kc
line replaceable unit	LRU
local stable oscillator	Stalo
maximum	max
mega_	M_
megacycles per second	Mc
meter (unit of length)	m
micro	μ
miles per hour	mph
milli_	m
minimum	min
modulation	mod
moving target indication(RADAR)	MTI
mutual conductance	gm
nano_	Mμ
ohms	Ω
parallel	//
part of	P/O
peak to peak	p-p
per	/
phase	ϕ
pica_	$\mu\mu$_
planned position indicator	PPI
pounds per square inch gage	psig
pounds per square inch absolute	psia
pulse amplitude modulation	PAM
pulse code modulation	PCM
pulse repetition frequency	prf
pulses per second	pps
radio frequency	RF
revolution	rev
roentgen	r
root mean square	rms
second	sec
Signal Corps	SigC
signal (go) noise ratio	S/N
signal pole - single throw	SPST
single side band	SSB
square	sq
storage factor	Q
standing wave ratio	SWR
subclutter visability	SCV
synchronize	sync
ultra high frequency	UHF
used with	U/W
vacuum tube voltmeter	VTVM
very high frequency	VHF
very low frequency	VLF
volt	v
voltage standing wave ratio	VSWR
volt-ohm-milliammeter	VOM
watt	w
with_	w/
without	w/o
words per minute	wpm
yard	yd

JOINT ELECTRONICS TYPE DESIGNATION SYSTEM

Explanation of Nomenclature Assignments

Nomenclature appears in two forms:

A. Three-letter codes, such as AN/UPM-44. The three letters appear after the slash and are defined in the Table of Indicator Letters for "AN/..." Nomenclature System.

B. Two-letter codes, such as DA-19/U. The two letters appear at the beginning of the nomenclature and are defined in the Table of Indicator Letters for "Two-letter" Nomenclature System.

Example A - Three-letter codes

	Description
AN/UPM-44()	The Table of Indicator Letters is used to decipher the three-letter code UPM. The first letter of the group defines "Installation", in this case "U" meaning general utility. The second letter defines "Type of Equipment", in this case "P" meaning radar. The third letter defines "Purpose", in this case "M" meaning general maintenance. The number 44 following the three letters UPM means that it is the 44th piece of equipment in the UPM category. It is distinctly different from UPM-43 and similarily UPM-45 will in turn be different from UPM-44. The type number containing a parenthesis () is usually assigned before the equipment is developed and can be used to identify all production models and all non-production versions in this series. It is assigned on the basis of the anticipated functional, electrical, and mechanical properties of the equipment. This means that the functions, input power requirements, acceptable range of size and weight, and mountings, are specified. The internal parts are not usually described at all. Actual production versions must stay within this "functional description", but the circuitry, materials of construction, etc., may vary greatly between various models.
AN/UPM-44	First time quantity procurement of AN/UPM-44() series.
AN/UPM-44A	The letter "A" added to the type number shows a later procurement involving modification but maintaining interchangeability. Some details, such as exact size and weight, or parts used, are different, so that a new functional description is always issued. Parts are not the same, but the instrument as a whole is electrically, mechanically, and functionally interchangeable with the original equipment, AN/UPM-44.
AN/UPM-44B	The letter "B" at the end of the number indicates further changes of parts over modification "A". The instrument is still interchangeable electrically, mechanically, and functionally with both AN/UPM-44 and AN/UPM-44A.

Example B - Two-letter codes

DA-64()/UP	From the Table of Indicator Letters the two-letter code "DA" is identified as Electrical Dummy Load. The number 64 following the two letters "DA" means that it is the 64th Dummy Load assigned in this nomenclature system. Its specifications are distinctly different from DA-63 and similarly, DA-65 will be different from DA-64. The type number containing the parenthesis () is assigned on the basis of the anticipated functional, electrical, and mechanical properties of the equipment. The letters which follow the slash line /, in this case "U" and "P" (DA-64/UP) help to describe further features of the Dummy Load. To find out what these letters mean, it is necessary to refer to the Table of Indicator Letters. The first letter, "U" is found in the first column of the table, "Installation"; the second letter, "P" is found in the second column, "Type of Equipment". We find that "U" means "general utility" and "P" means "radar". Therefore, the complete type designation tells us that the equipment is an electrical dummy load, the 64th one assigned, and is for general use with radar sets. Sometimes only one letter is used after the slash line/, other times more complete information is provided by using all three letters.

DA-64/UP — First time quantity procurement of DA-64()/UP series.

DA-64A/UP — The letter "A" added to the type number shows a later procurement where modification has taken place, but where interchangeability of the overall equipment with the earlier version, DA-64/UP has been retained.

In addition to the use of "A", "B", "C", and so on, as just shown, the following letters also may be added to the Type No:

X	Changes in operating power requirements (voltage, phase or frequency).
Y	Change in operating voltage.
Z	Change in operating frequency or phase requirements.
T	Equipment is for use in training.
(V)	Variable grouping. The parts which make up this group may vary.
(P)	This unit is a plug-in assembly.
(X---)	Experimental unit.

Further Examples

AN/URM-34X — General utility, radio, maintenance equipment, Set No. 34. There has been a change in the power requirements (input voltage, phase or frequency) as indicated by the "X" added to the original AN/URM-34.

AN/URM-34AX — The power requirements for the AN/URM-34A have been changed.

AN/GPS-T4(V) — General ground use, radar, range and bearing, trainer No. 4. Grouping is variable, depending on radar set it is used with.

AN/ALQ-27(V)-T1 — Airborne, countermeasures, special purpose, trainer No. 1. For use with AN/ALQ-27(V).

AN/USM-55(XN-1) — Experimental or developmental version of AN/USM-55, Navy Dept.

AN/USM-55(XN-2) — Another experimental version of AN/USM-55, also Navy Dept.

TS-621(XN)/U — Experimental or developmental model of the TS-621()/U series. The "XN" serves to show the originating agency, in this case the Navy Dept.

OS-61/USM-58 — Oscilloscope, the original procurement was used with or part of AN/USM-58. May be used with or part of other equipments as well.

OS-63/USM — Oscilloscope, general utility, special type, maintenance or test assembly. This number does not indicate a relationship to any specific system because there is no number following the "USM".

AN/UPM-44() — 1) An existing commercial piece of equipment is to be introduced into the government inventory. Both numbers are assigned. The number AN/UPM-44() is assigned to preliminary procurements of this equipment, which are "experimental" in that they are tested to show up any shortcomings which appear in military use. The production quantities, as modified for military application, bear the number AN/UPM-44.

2) A development contract is awarded. The number AN/UPM-44() is assigned. The number AN/UPM-44 is also assigned, because it is anticipated that there will be a production quantity of the equipment ordered as soon as the developmental models have been perfected. It is to be noted, however, that this procedure does not guarantee there will be a production contract.

Note: Complete details of the Joint Electronics Type Designation System are contained in MIL-STD-196A dated 16 September 1960.

TABLE OF INDICATOR LETTERS FOR "AN/---" NOMENCLATURE SYSTEM.

Installation	Type of Equipment	Purpose
A-Airborne (installed and operated in aircraft)	Á-Invisible light, heat radiation	A-Auxiliary assemblies (not complete operating sets)
B-Underwater mobile, submarine	B-Pigeon	B-Bombing
C-Air transportable (inactivated, do not use)	C-Carrier	C-Communications (receiving and transmitting)
D-Pilotless carrier	D-Radiac	D-Direction finder, reconnaissance, and/or surveillance
F-Fixed	E-Nupac	E-Ejection and/or release
G-Ground, general ground use (include two or more ground-type installations)	F-Photographic	G-Fire-control or searchlight directing
K-Amphibious	G-Telegraph or teletype	H-Recording and/or reproducing (graphic meteorological and sound)
M-Ground, mobile (installed as operating unit in a vehicle which has no function other than transporting the equipment)	I-Interphone and public address	K-Computing
P-Pack or portable (animal or man)	J-Electromechanical or Inertial wire covered	L-Searchlight control (inactivated, use G)
S-Water surface craft	K-Telemetering	M-Maintenance and test assemblies (including tools)
T-Ground transportable	L-Countermeasures	N-Navigational aids (including altimeters, beacons, compasses, racons, depth sounding, approach, and landing)
U-General utility (included two or more general installation classes, airborne, shipboard, and ground)	M-Meteorological	P-Reproducing (inactivated, do not use)
V-Ground, vehicular (installed in vehicle designed for functions other than carrying electronic equipment, etc., such as tanks)	N-Sound in air	Q-Special, or combination of purposes
W-Water surface and underwater	P-Radar	R-Receiving, passive detecting
	Q-Sonar and underwater sound	S-Detecting and/or range and bearing, search
	R-Radio	T-Transmitting
	S-Special types, magnetic, etc., or combinations of types	W-Automatic flight or remote control
	T-Telephone (wire)	X-Identification and recognition
	V-Visual and visible light	
	W-Armament (peculiar to armament, not otherwise covered)	
	X-Facsimile or television	
	Y-Data processing	

TABLE OF INDICATOR LETTERS FOR "TWO LETTER" NOMENCLATURE SYSTEM. (Abridged List)

This list in complete form appears in MIL-STD-196A.

AM Amplifiers	Power, audio, interphone, radio frequency, video, electronic control, etc.
AS Antennae, complex	Arrays, parabolic type, masthead, etc.
AT Antennae, simple	Whip or telescopic loop, dipole, reflector, etc.
BA Battery, primary type	B batteries, battery packs, etc.
BB Battery, secondary type	Storage batteries, battery packs, etc.
C Controls	Control box, remote tuning control, etc.
CG Cable assemblies, RF	RF cables, waveguides, transmission lines, etc., with terminals
CK Crystal kits	A kit of crystals with holders
CM Comparators	Compares two or more input signals
CN Compensators	Electrical and/or mechanical compensating regulating or attenuating apparatus
CP Computers	A mechanical and/or electronic mathematical calculating device
CR Crystals	Crystal in crystal holder
CU Couplers	Impedance coupling devices, directional couplers, etc.
CV Converters (electronic)	Electronic apparatus for changing the phase, frequency, or from "one" medium to "another"
CX Cable assemblies, non-RF	Non-RF cables with terminals, test leads, also composite cables of RF and non-RF conductors
CY Cases and cabinets	Rigid and semirigid structure for enclosing or carrying equipment
DA Electrical Dummy Load	RF and non-RF test loads
DT Detecting heads	Magnetic pickup device, search coil, heydrophone, etc. (see RF)
FR Frequency measuring devices	Frequency meters, tuned cavity, etc.
H Head, hand & chest sets	Includes earphone
HC Crystal holder	Crystal holder less crystal
ID Indicators, noncathode-ray tube	Calibrated dials and meters, indicating lights, etc. (see IP)
IM Intensity measuring devices	Includes SWR gear, field intensity and noise meters, slotted lines, etc.
IP Indicators, cathode ray tube	Azimuth, elevation, panoramic, etc.
M Microphones	Radio, telephone, throat, hand, etc.
MD Modulators	Device for varying amplitude, frequency or phase
ME Meters	Multimeters, volt-ohm-milliammeters, vacuum tube voltmeters, power meters, etc.
MK Miscellaneous kits	Maintenance, modification, etc., except tool and crystal (see CK, TK)
MX Miscellaneous	Equipment not otherwise classified, includes subassemblies. Do not use if better indicator is available.
O Oscillators	Master frequency, blocking, multivibrators, etc. (for test oscillators, see SG)
OA Operating assemblies	Assembly of operating units not otherwise covered, used with or part of one set or set series.
OS Oscilloscopes	Test oscilloscopes for general test purposes.
PG Pigeon articles	Container, loft, vest, etc.
PP Power supplies	Nonrotating machine type such as vibrator pack, rectifier, thermoelectric, etc.
R Receivers	Receivers, all types except telephone.
RD Recorder-reproducers	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical, etc.
RE Relay assemblies	Electrical, electronic, etc.
RF Radio frequency components	Composite component of RF circuits. Do not use if better indicator is available.
RO Recorders	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical, etc.
RP Reproducers	Sound, graphic, tape, wire, film, disc, facsimile, magnetic, mechanical, etc.
RT Receiver-transmitters	Radio and radar transceivers, composite transmitter and receiver, etc.
SA Switching devices	Manual, impact, motor driven, pressure operated, etc.
SB Switchboards	Telephone, fire control, power, panel, etc.
SG Signal Generators	Test oscillators, noise generators, etc. (see O)
SM Simulators	Flight, aircraft, target, signal, etc.
T Transmitters	Transmitters, all types, except telephone.
TA Telephone apparatus	Miscellaneous telephone equipment.
TD Timing devices	Mechanical and electronic timing devices, range device, multiplexers, electronic gates, etc.
TF Transformers	Transformers when used as separate items.
TR Transducers	Magnetic heads, phonopickups, sonar transducers, vibration pickups, etc. (see H, LS, and M).
TS Test items	Test and measuring equipment not otherwise included; boresighting and alignment equipment.
TT Teletypewriter and facsimile apparatus	Miscellaneous tape, teletype, facsimile equipment, etc.
TV Tube testers	Electronic tube tester.
U Connectors (audio and power)	Unions, plugs, sockets, adapters, etc.
UG Connectors (RF)	Unions, plugs, sockets, choke couplings, adapters, elbows, flanges, etc.
ZM Impedance measuring devices	Used for measuring Q, C, L, R, or PF, etc.

TABLE OF EXPERIMENTAL INDICATORS

XA...Communication-Navigation Laboratory, WADC, Dayton, Ohio.
XB...Naval Research Laboratory, Washington, D.C.
XC...U.S.Army Signal Engineering Labs, The Hexagon, Ft. Monmouth, N.J. (Inactivated, Use XE).
XD...Cambridge Research Center, L.G.Hanscom Field, Bedford, Mass.
XE...U.S.Army Signal Research & Development Lab., Ft. Monmouth, N.J.
XF...Frankford Arsenal, Philadelphia, Pa.
XG...U.S.N.Electronics Laboratory, San Diego, Calif.
XH...Aerial Reconnaissance Laboratory, WADC, WPAFB, Ohio
XI...Air Force Armament Center, Eglin Air Force Base, Fla.
XJ...Naval Air Development Center,Johnsville, Pa.
XK...Flight Control Laboratory, WADC, WPAFB, Ohio
XL...U.S.Army Signal Electronics Research Unit, Mountain View, Calif.
XM...U.S.Army Signal Engineering Labs, The Hexagon, Ft. Monmouth, N.J. (Inactivated, Use XE).
XN...Department of the Navy, Washington, D.C.
XO...Redstone Arsenal, Huntsville, Ala.
XP...Canadian Department of National Defense, Ottawa, Canada.
XQ...Aeronautical Accessories Laboratory, WADC, WPAFB, Ohio.
XR...National Security Agency, Fort George Meade, Md.
XS...Electronic Components Laboratory, WADC, WPAFB, Ohio.
XT...Army Security Agency.
XU...U.S.N.Underwater Sound Lab., Ft.Trumbell, New London, Conn.
XV...Air Force Special Weapons Center, Kirtland AFB, Albuquerque, N.Mex.
XW...Rome Air Development Center, Rome, N.Y.
XY...Weapons Guidance Laboratory, WADC, WPAFB, Ohio.
XZ...U.S.N.Bureau of Ordnance Activities.
XAA..Air Force Ballistic Missile Div., ARDC, Inglewood, Calif.
XAE..U.S.Army Electronic Proving Ground, Ft. Huachuca, Ariz.
XAN..Naval Air Facility, Indianapolis, Ind.
XBB..U.S.Army Signal Materiel Support Agency, Ft. Monmouth, N.J.
XCC..Air Force Missile Test Center, Patrick AFB, Fla.
XDD..U.S.Army Signal Air Defense Engineering Agency, Ft. George Meade, Md.
XPM..U.S.Army, Project Michigan, Ypsilanti, Mich.

NOMENCLATURE CATEGORY INDEX

This document consists of an alpha-numerical listing of nomenclature assignments with "component" descriptors. It contains a brief description of each item. This tabulation was compiled from military nomenclature cards.

Following are the categories listed in alphabetical order as they appear. Each category starts with Page 1, i.e., CM-1, CN-1, CP-1, etc.

CM	CV	IM	MX	SG	TV
CN	DA	IP	OS	SM	ZM
CP	DT	ME	RD	TR	
CU	FR	MK	RO	TS	

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CM-12()/U	Frequency Comparator	2.4 to 3.4kMc. Provides FM generator and CRT for comparison method of determining wavemeter or cavity. U/W frequency meter and reference cavity.		ARL-46-383 AAF		U/W FR-3()/U FR-2()/U
CM-56A/UPM-36	Signal Comparator	Contains a crystal controlled 4kc oscillator, frequency divider circuits and a CRT display to compare internal frequency to waveform derived from AN/APN-81&(). The oscillator may be used to drive AN/UPM-37&() or for testing computers.	Gen Precision Labs	AEL-57-478	MIL-C-4689	P/O AN/UPM-36
CM-63/GMD-2	Signal Comparator	400 to 406Mc. 50Ω input and output Z. Generates a 81.94kc signal that is used to modulate the 1680Mc signal from the Transmitter T-456()/GMD-2.		SIMSA-60-2548		P/O AN/GMD-2()
CM-67/MPQ-25() CM-67/MPQ-25	Range Comparator	Movable dial indicator, for precision measurement of voltage.	Gilfillan Bros Nr 8130078	US ORDTU-95-54		P/O AN/MPQ-25
CM-77A/USM	Frequency Comparator	Freq. range 10Mc to 1200Mc. Used for fast, accurate determination of CW and AM signals frequencies. Measuring center frequency or deviation range of FM signals. Measuring frequency in presence of high noise levels and high accuracy measurements of pulsed signals.	Hewlett Packard 540B	SESA-60-2225		
CM-82()/TP	Radar Test Data Comparator	An optical device used in checking Azimuth-Elevation Range Recorder RD-54()/TP for accuracy while under test in depot.		USA SCLE-9703		U/W RD-54()/TP
CM-85/SPM	Signal Comparator	Used in Terrier Talos and Tartar missile programs for checking 30 cycle AM/FM phasing.	Vector Inc	56-332	C-MIL-T-18528	U/W AN/DSM-23 P/O AN/SPM-9
CM-89()/GRS-1 CM-89/GRS-1	Comparator-Multiplier	Receives doppler information from central receiver group and outlying (remote)receiver group and combines these signals into a single doppler difference frequency. This difference is multiplied to a usable frequency and placed on a carrier by means of a servo loop.	General Electric 7309216G1	WDD-62-177		P/O OA-1253/GRS-1
CM-96()/FRC-44 CM-96/FRC-44	Signal Comparator	Three 1Mc and one 100kc signal input meter indicator. This signal comparator compares the frequency of any type of three Mc signals or compares the tenth harmonic of a 100kc signal with any of the three 1Mc signals.	Collins Radio 5220205024	WL-59-2143	MIL-S-9665	P/O OA-1373/FRC-44
CM-96()/GRA-73 CM-96/GRA-73	Signal Comparator	Same description as CM-96/FRC-44&().	Republic Electronics 3600203	WL-62-R-5047	MIL-C-27098	P/O AN/GRA-73
CM-97()/DSM-18	Assembly Evaluator	Dc and 1cps. Has internal references. Provides go-no-go evaluation. Similar to CM-98()/DSM-18.	Bendix Aviation	USN-1490	MIL-T-17296A	P/O OA-1381()/DSM-18 AN/DSM-18()
CM-98()/DSM-18	Assembly Evaluator	Same description as CM-98()/DSM-18.	Bendix Aviation	USN-1491	MIL-T-17296A	P/O OA-1381()/DSM-18 AN/DSM-18()
CM-100()/FPS-7 CM-100/FPS-7	Comparator-Generator	Provides synchronized angle pulses for use in auxiliary data handling system; combines and compares system noise figure for presentation on noise figure meter.	General Electric PL 7304492G1	WL-56-2655	RADC-2383	P/O OA-1509/FPS-7
CM-100A/FPS-7	Comparator-Generator	Same functional description as CM-100/FPS-7. Provides synchronized angle pulses. Determines noise figure.	General Electric 7304492G2	WL-59-1214	EXH: RADC-2383B	P/O OA-1509A/FPS-7
CM-101()/FRN-10 CM-101/FRN-10	Comparator Frequency Divider	100kc input frequency fed into 3 identical binary dividers which divide down to 100cps in 3 channels. The 100cps voltages are compared in 3 mixers, each mixer comparing a different combination of 2 of the voltages.		WL-57-1030	RADC-1952	P/O AN/FRN-10()
CM-102/USM-73	Frequency Comparator	Produces harmonics up to 5kMc with internal detector (or to 12.4kMc with External Detector RF-68/USM-73) and compares them with the unknown frequency.	Hewlett Packard 540AR	USN-57-Q-206	MIL-T-945A	P/O AN/USM-73 U/W AN/USM-26
CM-109()/FSG-1 CM-109/FSG-1	Signal Comparator Unit	A rack mounted component which, when used in Resolved Sweep Generator Group OA-1783/FSG-1 is designated to provide facilities for comparing that portion of the sweep signal voltage with either side of the zero ground crossing with a pre-calibrated dc voltage proportional to range and for determination of sweep signal deviation at a calibrated point.	G L Martin 423-2341000			P/O OA-1783/FSG-1 U/W AM-1857/FSG-1 SG-272/FSG-1 SG-273/FSG-1
CM-110()/MRM-6 CM-110/MRM-6	Digital Data Comparator	A plug-in type of ground-support electronic equipment which compares the signals transmitted by the acceleration register with signals received from the command signals of the missile guidance set decoder and gives an indication when an error is found and a count of all messages to the electrical counter.	General Electric 7969446G3	WDD-66-212A-57		P/O OA-1822/MRM-6
CM-112()/GRS-1 CM-112/GRS-1	Signal Data Comparator-Converter	Receives doppler information from central receiver group and compares with standard frequency from reference signal generator. Controls the local oscillator, power amplifier, transmitter group.	General Electric 7308618G1	WDD-62-174		P/O OA-1253/GRS-1
CM-117()/GSQ-33 CM-117/GSQ-33	Signal Comparator	To compare punched tape, punched in double line mode. Error is indicated if second character is not compliment of first.	Burroughs Corp DJC 3001-4	WDD-57-971		P/O CP-409/GSQ-33
CM-126/UR	Signal Comparator	Compares 1kc with 1kc signal and 100kc with 100kc signal.	Collins Radio 522 107400	N-58-Y-1860		P/O AN/URC-32()
CM-127()/GSQ-33 CM-127/GSQ-33	Comparator Synchronizer	Compares computed command data with predetermined check data and presents error indications arising from this comparison to the computer for diagnostic evaluation.	Burroughs Corp DCS/4-02-06	WDD-58-957		P/O SN-153/GSQ-33
CM-128()/GSQ-33 CM-128/GSQ-33	Input Data Comparator	To compare punched tape, punched in double line mode. Error is indicated if second character is not compliment of first.	Burroughs Corp DAT-40100-45	WDD-58-961		P/O SM-153/GSQ-33

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CM-130()/ALD-4 CM-130/ALD-4	Signal Comparator	Freq. range: and up.This unit receives the direction video signals from the Antenna Receiver Assembly AS-983/ALD-4, amplifies these signals and feeds them to the direction comparator circuit which performs an amplitude comparison indicating the largest video signal selected by providing a coded output to the programmer.	Melpar Inc R623977-1	AEL-60-R-207		P/O AN/ALD-4(V)
CM-131()/ALD-4 CM-131/ALD-4	Signal Comparator	Freq. range:100Mc and up. Receives the frequency video signal from the Antenna Receiver Assembly AS-983/ALD-4, amplifies these signals and feeds them to the comparator circuit which performs an amplitude comparison of these signals.	Melpar Inc R623735-1	AEL-60-R-267		P/O AN/ALD-4(V)
CM-132()/GRQ-3 CM-132/GRQ-3	Signal Comparator	Freq. range: 395kc to 1Mc. Compares doppler check-out frequencies against rate measuring frequencies. Test oscillator provides facilities for checking out lateral and doppler comparators.	General Electric PL7615129G2	WDD-58-191		P/O OA-2103/GRQ-3
CM-133()/GRQ-3 CM-133/GRQ-3	Comparator-Frequency Divider	Freq. range: 400kc to 1Mc. Compares "P" dot and "Q" dot rate frequencies against "P" dot and "Q" dot checkout frequencies. Divides these frequencies by a factor of eight. Confidence facilities for ±250vdc power supply.	General Electric PL7616900G1	WDD-62-176		P/O OA-2103/GRQ-3
CM-136()/ARN-21C CM-136/ARN-21C	Comparator-Control Module	Establishes the search or track condition for the range circuits from the coincident signals from the range gate, and develops voltages to control the range indicator in both search and track.	Hoffman Labs HLD 257-5	AEL-59-210	MIL-R-7060A (AER)	P/O RT-220C/ARN-21
CM-137/SPG-56	Comparator-Converter	Provides internal synchronization of the transmitting, receiving, auto-acquisition and indicating circuits, and provides range output signals based on time displacement of transmitted and received pulses.	Sperry Gyroscope Co P-1029381	N-59-d-1109	Navord OS-7231 Navord OS-7232	P/O AN/SPG-56
CM-138/SPG-56	Comparator-Converter	In the event of the failure of, or the reduced performance of, Comparator-Converter CM-137/SPG-56 this unit provides internal synchronization of the transmitting, receiving, auto-acquisition and indicating circuits and provides range output signals based on time displacement of transmitted and received pulses.	Sperry Gyroscope Co 102938Z	USN-9-1110	Navord OS-7231 Navord OS-7232	P/O AN/SPG-56
CM-140()/GRM CM-140/GRM	Signal Comparator	Takes output of discretes from system under test, and during test of these discretes tells whether discretes are open or closed according to test being performed.	National Company Inc	WDD-59R-172		P/O OA-2359/GRM
CM-141()/GRM CM-141/GRM	Signal Comparator	This unit provides a means for testing amplitude and response time of beacon return pulse, and determines whether the pulses under test exceed a proper level. which has been determined by the card programmer.	National Company Inc	WDD-59R-181		P/O OA-2360/GRM
CM-144()/APS-95 CM-144/APS-95	Phase-Time Comparator	50 or 93 ohms input or output Z. Generates simulated clutter; measures radio frequency pulse jitter; measures radio frequency pulse freq. modulation.	Hazeltine Electronics A32375	AEL-59-350	MIL-R-26399 (USAF)	P/O OA-2244/APS-95 U/W AN/APS-95
CM-146()/FST-2B CM-146/FST-2B	Parity Check Comparator	Receives video information from an aircraft transponder and performs a parity check of data bits to insure valid targets.	Burroughs Corp DRC-78198	CRC-59-217		P/O OA-2444/FS -2B
CM-147()/GSN-11 CM-147/GSN-11	Signal Comparator	Compares slope of range reference sawtooth voltage as compared to calibration markers.	Avco Corp 614463	CRC-59-175	EXH: AFCRC-57-6 (USAF)	P/O TS-1323/GSN-11
CM-148()/GSN-11 CM-148/GSN-11	Signal Comparator	60cps frequency; dial indicator. Compares system time base analogue voltage as compared to reference voltage; produces signal in event of timer malfunction.	Avco Corp 614410	CRC-59-162	EXH: AFCRC-57-6 (USAF)	P/O TS-1321/GSN-11
CM-149()/GSN-11 CM-149/GSN-11	Signal Comparator	60cps freq. Compares phase relationship between reference signal and sum of two computer analogue signals.	Avco Corp 613767	CRC-59-160	EXH: AFCRC-57-6 (USAF)	P/O CP-489/GSN-11
CM-150()/GSN-11 CM-150/GSN-11	Signal Comparator	60cps freq. Examines phase relationship between reference signal and sum of two computer analogue signals.	Avco Corp 613641	CRC-59-155	EXH: AFCRC-57-6 (USAF)	P/O CP-499/GSN-11
CM-152()/ARN-65 CM-152/ARN-65	Comparator-Control Module	This module establishes the search or track condition for the range circuits from the coincidence signals from the range gate, and develops voltage to control the range indicator in both search and track.	Hoffman Labs HLD 443-5V	AEL-59-725		P/O RT-470/ARN-65 RT-471/ARN-65 RT-472/ARN-65
CM-153()/ALD-3 CM-153/ALD-3	Signal Comparator-Timer	Compares audio and carrier-operated-relay outputs of AN/ALD-3 Receivers, and playback head outputs of AN/ALD-3 Recorders to provide indication of malfunction on any channel.	Hoffman Labs	AEL-59-772		P/O OA-2212/ALD-3
CM-154()/ALM-6 CM-154/ALM-6	Sweep Gate Comparator	Measures the video output amplitude and position of the 100 and 10Mc panoramic receivers. Pulse parity is also checked with this unit.	Hoffman Labs	AEL-59-784		P/O AN/ALM-6
CM-155()/ALM-6 CM-155/ALM-6	Digital Data Comparator	Accepts (digital data) BCD reference values, high and low limits, and BCD test signals, compares the signals with the references on a bit by bit basis and provides Go and No-Go output signals.	Hoffman Labs	AEL-59-793		P/O AN/ALM-6
CM-156()/GSQ-39 CM-156/GSQ-39	Signal Data Comparator	25kc freq. range; auto type control. Compares the input signal with a preset level to determine if input signal is proper amplitude.	Hoffman Labs	AEL-59-938		P/O OA-2216/GSQ-39
CM-157()/GSQ-39 CM-157/GSQ-39	Comparator-Generator	Generates gate pulses to the output tape machine and compares signals from core memory with a preset level.	Hoffman Labs	AEL-59-957		P/O OA-2216/GSQ-39
CM-158()/GSQ-39 CM-158/GSQ-39	Signal Comparator	Freq. range:100-400-2000cps. Contains a diode matrix which compares the equality of the information on the magnetic tape and the operator selected information.	Hoffman Labs	AEL-59-965		P/O OA-2215/GSQ-39

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CM-159()/GSQ-39 CM-159/GSQ-39	Whole Address Comparator	Logical comparator-9 bits. Compares states of main address counter and auxiliary address counter and furnishes a signal when a match occurs.	Hoffman Labs	AEL-59-973		P/O OA-2215/GSQ-39
CM-160()/GSQ-39 CM-160/GSQ-39	Comparator-Generator	Compares standardized pulses for character generator. Generates waveforms for deflection of character generator and input to display unit deflection amplifiers.	Hoffman Labs	AEL-59-981		P/O OA-2215/GSQ-39
CM-163()/APG-T3 CM-163/APG-T3	Signal Data Comparator	Receives input signal proportional to true air speed and speed of sound and solves for mach number with mechanical divider. The signal derived from the divider, proportional to mach number is applied to servos to position mechanical load proportional to mach number.	Emerson Radio AS5155	AEL-59-1111		P/O OA-2372/APG-T3
CM-164()/FPS-26 CM-164/FPS-26	Signal Comparator	Compares delayed and undelayed video signals and cancels fixed signals.	Airborne Inst Lab 178629-1	WL-59-2474	MIL-U-26436	P/O OA-2052/FPS-26
CM-165()/SPS-29	Signal Comparator	Cancels video signals returning from stationary targets.	Westinghouse Electric	N-60-b-183		P/O AN/SPS-29() OA-2646()/SPS-29
CM-166()/GSK-1 CM-166/GSK-1	Data Input Processor-Verifier	The processor receives binary data from a signal data reproducer, puts this data into proper format for use by interpreting the type of data received and supplies this plus command signals to the appropriate circuits of the magnetic drum.	Remington Rand Univac 210100	WDD-60-3309		P/O AN/GSK-1
CM-167/U	Signal Comparator	100kc-1Mc freq. range; 5000 max. ohms input. Continuously records the frequency difference between two frequency standards when used with a RD-49A/U Recorder.	Freedman & Freedman 1G-1	N-60-X-358	MIL-C-21624 (SHIPS)	U/W RD-49A/U
CM-168/ALM-6	Comparator-Indicator	Logically compares the test results read out with fault patterns received via the tape reader to determine if a unit is faulty.	Hoffman Labs	AEL-60-120		P/O AN/AIM-6
CM-169()/FPS-61 CM-169/FPS-61	Signal Comparator	Freq. range: 1220 to 1350Mc. Receives and detects echo signals; forwards normal video signals to indicator units; processes echo signals to produce MTI signals; includes MX-3017/FPS-61. Is a modified CM-36/TPS-1D.	Raytheon 4272-5001G1	SEL-60-156		P/O MK-668/FPS-61 MK-669/FPS-61 AN/FPS-61
CM-170()/ASA-35	Signal Data Comparator	Freq. range: 200cps-1350cps. Provides a coded sound pattern consisting of various combinations of high and low tone signals and varying interruption rates by which the pilot of a landing aircraft may determine the variance between his actual angle of attack and a preset optimum.	US Naval Avionics 60A31	N-60-Q-567		P/O AN/ASA-35()
CM-171()/FPS-24 CM-171/FPS-24	Signal Comparator	Senses an AC voltage and compares it with a reference giving a relay signal to actuate a device such as a power stat.	General Electric 772051262	WL-60-1564	MIL-R-26427	P/O OA-2765/FPS-24
CM-172()/FPS-24 CM-172/FPS-24	Signal Comparator	Senses an AC voltage and compares it with a reference giving a relay signal to actuate a device such as a power stat.	General Electric 761411363	WL-60-1566		P/O OA-2765/FPS-24
CM-173()/FPS-24 CM-173/FPS-24	Signal Comparator	Senses an AC voltage and compares it with a reference giving a relay signal to actuate a device such as a power stat.	General Electric 772051762	WL-60-1655	MIL-R-26427	P/O OA-2773/FPS-24
CM-176()/FPS-24 CM-176/FPS-24	Signal Comparator	60cps to 1Mc freq. range. Compares the instantaneous voltage values in the two radar channels and automatically processes the wanted one and presents it as an output.	General Electric 7747505G1	WL-60-1733	MIL-R-26427	P/O CM-180/FPS-24
CM-177()/FPS-24 CM-177/FPS-24	Signal Comparator	Same description as the CM-176/FPS-24.	General Electric 7747502G1	WL-60-1734	MIL-R-26427	P/O CM-180/FPS-24
CM-178()/FPS-24 CM-178/FPS-24	Signal Comparator	30Mc freq. range. Compares the phase and amplitude of the signals obtained from the radar target with the coherent reference. The video output is a function of the signal amplitude and phase difference.	General Electric 7747081G1	WL-60-1769	MIL-R-26427	P/O OA-2796/FPS-24
CM-179()/TRC-66 CM-179/TRC-66	Signal Comparator	200cps-1Mc freq. range. Provides a means for selectively combining the output signals from two receivers. The output from two or more comparators can be paralleled for increased diversity.	Westinghouse Electric 718D440G01	WL-60-1962	EXH: RADC-2541A	P/O OA-2776/TRC-66
CM-180()/FPS-24 CM-180/FPS-24	Signal Comparator Assembly	Provides the final stage of comparing instantaneous voltage values in the channels and processes only the wanted ones for outputs.	General Electric 7624711G1	WL-60-1993	MIL-R-26427	P/O OA-2800/FPS-24
CM-181()/ASA-37	Signal Comparator	Cancelled 1 June 1960.		N-60-Q-847		
CM-183()/FPS-6 CM-183/FPS-6	Signal Comparator	300cps to 6Mc freq. range. Input impedance 47,000 ohms; 3300 ohms output. Compares input signals greater than 0.5v positive video.	General Electric 7625906G1	WL-60-2678	MIL-R-26463	P/O OA-2886/FPS-6
CM-184()/FPS-6 CM-184/FPS-6	Signal Comparator	0 to 300kc freq. range. 1MΩ input Z, 50kΩ output Z. Compares two signals, one peak, detected and one dc coupled. The comparison is made by a difference amplifier.	General Electric 7625224G1	WL-60-2676	MIL-R-26463	P/O OA-2886/FPS-6
CM-186()/APS-96 CM-186/APS-96	Signal Comparator	Input is center frequency of IF band (30Mc) and output is video frequency. Designed to compare return signals to previous signal; to differentiate between moving and fixed targets; to cancel fixed targets. Cancelled 1963.	General Electric 224E293G1	N-60-Q-1151		P/O AN/APS-96
CM-187()/GLA CM-187/GLA	Signal Comparator	Video freq. range. Receives delayed and undelayed coherent and non-coherent video signals. These video signals are compared twice on a pulse to pulse basis with the fixed targets being cancelled. The MTI video is optimum filtered after double cancellation.	Airborne Inst Lab 178630-1	WL-60-2904	MIL-V-20435	P/O OA-2887/GLA-8 OA-2889/FPS-35

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CM-188()/ASR-5(V) CM-188/ASR-5(V)	Phase Comparator	Compares phase differences between signals from left (right) side band 6 direction antenna.	Airborne Inst Lab 156232	AEL-60-606		P/O OA-2503(V)/ASR-5
CM-189()/ASR-5(V) CM-189/ASR-5(V)	Phase Comparator	Compares phase difference between signals from left (right) side band 5 direction antenna.	Airborne Inst Lab 156230	AEL-60-605		P/O OA-2503(V)/ASR-5
CM-190()/MSM-42 CM-190/MSM-42	Digital Data Comparator	Compares digital inputs from the airborne system with digital information stored from the memory drum and stores results in drum.	Sperry Gyroscope Co	AEL-60-701		P/O AN/MSM-42
CM-191()/MSM-12 CM-191/MSM-12	Signal Comparator	Digital signals from memory buffer register set relays which establish a current through binary valued resistors.	Sperry Gyroscope Co	AEL-60-704		P/O AN/MSM-42
CM-191()/MSM-42 CM-191/MSM-42	Signal Comparator	Digital signals from memory buffer register set relays which establish a current through binary valued resistors, which is compared with an input analog current from the airborne system.	Sperry Gyroscope Co	AEL-60-704		P/O AN/MSM-42
CM-192()/MSM-42 CM-192/MSM-42	Digital Data Comparator	A register which stores test words enroute from the drum to the airborne computer. Receives second half-word from airborne system for digital comparison.	Sperry Gyroscope Co	AEL-60-708		P/O AN/MSM-42
CM-194()/FPS-35 CM-194/FPS-35	Signal Comparator	Compares the signal input with a 97cps reference frequency. Frequencies off 97cps are sharply attenuated. The magnitude of the 97cps signal that is passed is dependent on the magnitude of the 97cps component impressed at the input. The output of this board is indicative of receiver noise figure, and it is used to deflect a meter marked "Noise Figure".	Sperry Gyroscope Co 2377369	WL-60-3578	MIL-R-9615A	P/O AN/FPS-35
CM-195()/UPX-9 CM-195/UPX-9	Signal Comparator	Provides facilities for comparing beacon and radar timing; also provides error signal.	Bell Aero Systems 12-00040-1	WL-60-R-4480		P/O AN/GPX-9
CM-196()/FSA-21 CM-196/FSA-21	Digital Data Comparator	Compares signals from situation display console with those from Track Data Storage Group OA-3161/FSA-21&().	General Electric 7313271G1	WL-60-3757		P/O OA-3182/FSA-21
CM-200()/FJM	Signal Comparator	400kc and or 2Mc and or 10Mc RF signals to external component. Multiplies a signal equal to or a sub-harmonic of 400kc, 2Mc, or 10Mc received from an external frequency source to approximately 10Mc and compares it with a 10Mc signal converted from the carrier wave of the 5Mc or 15Mc transmission of Bureau of Standards radio transmitter WWV or WWVH received on integral radio receiver circuit and indicates course freq. comparison aurally and fine freq. comparison visually.		ORDXR-146-60		
CM-201()/FSA CM-201/FSA	Signal Comparator	30Mc. Input Z: 50Ω, output Z: 93Ω.	General Electric 7622403G1	WL-60-4575		P/O OA-3247/FSA-31 OA-3249/FSA-30
CM-202()/TPS-22 CM-202/TPS-22	Signal Comparator	30Mc to 2Mc. Decreases susceptability to jamming and false target display by comparing radar data through various type of circuits.	Westinghouse Electric 483D444G01	WL-60-4471		P/O AN/TPS-22
CM-203()/FSA-12 CM-203/FSA-12	Positional Data Comparator	Provides the facilities necessary to accept positional data from any console group and compare it with stored track data.	General Electric 7314212G1	WL-60-4394		U/W OA-3254/FSA-12
CM-204()/FSA-12 CM-204/FSA-12	Non-Positional Data Comparator	Provides the facilities necessary to compare non-positional data received from any console with previously stored non-positional track data.	General Electric 7314213G1	WL-60-4395		U/W OA-3254/FSA-12
CM-205()/FSA-12 CM-205/FSA-12	Digital Data Comparator	Provides the necessary facilities to accept information from any console group and attempt correlation with stored digital track data.	General Electric 7314150G1	WL-60-4412		P/O OA-3255/FSA-12
CM-206()/FSA-12 CM-206/FSA-12	Digital Data Comparator	Provides the necessary facilities to accept digital information from the Digital Converting-Programming Group OA-1724/GPA-73(V) and attempt correlation with stored digital track data.	General Electric 7314175G1	WL-60-4474		P/O OA-3261/FSA-12
CM-207()/FSA-23 CM-207/FSA-23	Digital Data Comparator	Accepts digital information from tracker and correlates with stored data from Arithmetic Unit Computer CP-603/FSA-23&() to update information going to stored data and synchro resolver.	General Electric 7314188G1	WL-60-3863		P/O OA-3223/FSA-23
CM-208()/GJQ-17 CM-208/GJQ-17	Voltage Comparator	Monitors power supply voltages of airborne and ground operational equipment. A No-Go logic level is provided to an indicator assembly if any monitored voltage exceeds a preset band about a nominal value.	AC Spark Plug 7859126	WDD-61-652		P/O AN/GJQ-17
CM-209()/GJQ-17 CM-209/GJQ-17	Voltage Comparator	Compares GOE & ABN ac supply voltage to known stable values & produce a No-Go logic level if voltages exceed their specified limits. Monitors the outputs of the AC sections of the accelerometer drive amplifier and stabilization gyro amplifiers to determine when a null has been achieved.	AC Spark Plug 7859127	WDD-61-653		P/O AN/GJQ-17
CM-210()/SPM-14	Signal Comparator	An all-relay digital comparator which compares four decades of whole numbers, either positive or negative.	Nortronics 9226-6027	N-61-X-229	SHIPS-A-3664	P/O AN/SPM-14()
CM-211/ASW-17	Signal Data Comparator	Converts computer pre-launch signals for use by other components.	Douglas Aircraft Co AF4440	AEL-61-115		P/O AN/ASW-17
CM-212()/USM-144 CM-212/USM-144	Frequency Comparator	Precisely measures CW, FM & PM types of RF signal frequencies from 10Mc to 12.4Mc when used with suitable frequency meter or electronic counter. Measures frequencies to about 2000Mc without frequency counter with 0.5% accuracy, and to higher frequencies when input frequency is known approximately.	Centronix Inc E-50143	N-61-W-547	MIL-F-21344	P/O AN/USM-144
CM-213()/APN-147 (V) CM-213/APN-147 (V)	Signal Comparator	Freq. range 2 to 20kc. Compares a combined input and finds the center of the doppler spectrum to provide the necessary dc output for the electronic control amplifier.	General Electric	WL-61-R-2260	EXH: WWDTE-61-1	P/O CV-1181/APN-147 (V)
CM-214()/FPS-75 CM-214/FPS-75	Signal Comparator	1220 to 1350Mc freq. range. Provides normal aircraft warning radar and aircraft warning by means of balancing out fixed target returns and amplifying intelligence obtained from moving targets.	Raytheon	SIMSA-61-2293	SIG C Tech Rqmts ADA-9 w/amends	P/O AN/FPS-75()

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CM-216/TPS-28	Signal Comparator	Operates with AN/TPS-28 Radar Set to perform post-detection correlation of the video signal.	Vought	N-61-T-1137		P/O AN/TPS-28
CM-217()/GSQ-53	Signal Comparator	Freq. range 14 to 30kc; type of indicator: meter. Servo control channel selector, and power switch. Measures the phase difference between two signals.	Inst Corp of Fla R-500-1	NSA-0026		P/O AN/GSQ-53()
CM-218()/FPN-34 CM-218/FPN-34	Signal Comparator	Compares phase of signals, to provide a failure phase signal for SIF Equipment.	Bendix Aviation 653367-1	WL-61-1939		P/O AN/FPN-34
CM-219()/FPS-6 CM-219/FPS-6	Signal Comparator	0 to 300kc freq. range. Compares two signals one peak detected, and one dc coupled. The circuit can be used to compare a sweep against a dc level or the peak detected value of another signal.	General Electric 7093165G1	WL-61-2297	MIL-R-26463	P/O OA-3439/FPS-6
CM-220()/FPS-6 CM-220/FPS-6	Signal Comparator	300cps to 6Mc freq. range. Input Z: 47,000 ohms; output Z: 33,000 ohms. Compares input signals greater than 0.5v positive video.	General Electric 7093166G1	WL-61-2300	MIL-R-26463	P/O OA-3439/FPS-6
CM-221()/AJQ-4 CM-221/AJQ-4	Signal Comparator	To compare the east distance in the Control-Indicator C-3638/AJQ-4 with the east distance in the Track Computer CP-633/AJQ-4& send distance corrections to the track computer.	AC Spark Plug 7940342	AEL-61-516		P/O AN/AJQ-4
CM-223()/GPM-50 CM-223/GPM-50	Signal Comparator	0 to 100kc freq. range. Compares unknown signals with decoded tape programmed signal from Command Signals Decoder KY-405/GPM-50&().	General Electric 229E567G1	WL-61-2530		P/O OA-3471/GPM-50
CM-224()/FPS-71 CM-224/FPS-71	Signal Comparator	1220 to 1350Mc freq. range. Modified Comparator, Signal CM-214()/FPS-75 by addition of manufacturer's modification kit part no. 3899-5007G3; modification adds replacement Delay Line Assembly. MX-3632/FPS-71&() new pulse Trigger Generator, new Video Canceller, component part changes to improve trigger circuitry; provides for improved performance under all types of interference conditions; video canceller for MTI loop provides compatibility with new trigger circuitry.	Raytheon	SIMSA-61-2497		P/O AN/FPS-71()
CM-225()/CPN-18D CM-225/CPN-18D	Signal Comparator	30Mc freq. range. Cancels all stationary targets and lets moving targets thru to the indicators by comparing the two signals.	Bendix Aviation C219121-2	RONE-61-63		P/O OA-3504/CPN-18D OA-3505/CPN-18D
CM-226()/FPS-50 (V) CM-226/FPS-50 (V)	Signal Comparator	dc to 200kc. Provides for gain-bandwidth correlations of adjacent doppler filter outputs. Requires an oscilloscope as indicating device.	Radio Corp of Amer 7624659G1	WL-61-2818		P/O AN/FPS-50(V)
CM-227()/CPS-9	Intensity Comparator	Measures relative intensity of each of six oscilloscopes by means of a phototube.	Aeronca Mfg Corp 61C16018	CRC-61-95	EXH: AFCRC 60-1	P/O OA-3673()/CPS-9 AN/GPA-111
CM-229()/ARM-56 CM-229/ARM-56	Comparator-Simulator	Compares test message in pulse or square wave form and examines this message and visually indicates difference in synchro data, parity and transmitter gate between the received message and the simulated message.	Burroughs Corp	AEL-61-1643		P/O OA-3680/ARM-56
CM-230(V)/GPA-110(V)	Signal Comparator	20Mc freq. range. 10000Ω input Z: 750Ω output Z. Provides signal enhancement by comparing radar video signal information from one interpulse period to the next interpulse period.	Temco Electronics 949-0003-1,-3	RONE-61-275		P/O AN/GPA-110(V)
CM-231()/FYQ CM-231/FYQ	Digital Data Comparator-Generator	Compares and checks information signals from the transmitter assemblies or receiver assemblies.	IEC 4580925-G1	WL-61-3504		P/O OA-3702/FYQ-6 OA-3699/FYQ-4
CM-233()/FJM	Digital Data Comparator Assembly	Provides 21-bit binary number to other components of guided missile battery and a 10-bit binary number in parallel and 10kc pulse wave to other components of timing generator when signals from three identical Digital Electronics counters are in synch. Provides signals to nonintegral fault locator and indicates defects in comparators. Part of Digital Generator, Clock Pulse, Part No. 9769204.		ORDXR-116-61		
CM-234()/FJM	Digital Data Comparator Assembly	Comprises 2 Digital Data Comparators that provide single channel timing output signals to a nonintegral Digital Data Coupler when signals from two of each three identical channel inputs are in synch. Provides signals to nonintegral fault locator and indicates defects in this component. Part of Digital Generator, Clock Pulse, Part No 9769204.		ORDXR-115-61		
CM-235/UGA-3	Comparator-Filter Assembly	Controls the audio frequency of the receiver output within close tolerances. Reduces noise component to an absolute minimum.	Trad Electronics Co E-400396	N-62-Y-3	MIL-C-22873 (BuShips)	U/W CV-1287/UGA-3 P/O AN/UGA-3
CM-236()/FSA CM-236/FSA	Signal Comparator	60cps freq. Compares unknown voltages with reference & provides indication when reference exceeds unknown. Input divided down to get 0 to 10v to be compared. Error signal is amplified and detected giving output pulses.	Radio Corp of Amer 8305234-501	WL-62-1513		P/O AN/FSA-27,28,36
CM-237()/FSA CM-237/FSA	Voltage Comparator	Used in conjunction w/voltage divider and reference power supplies, to sense and signal power supply under voltage.	Radio Corp of Amer 8606621-501	WL-62-1549		
CM-238()/FSA CM-238/FSA	Signal Comparator	Used in automatic monitoring sub-system of BMEWS to determine when a monitored dc voltage has crossed a predetermined threshold voltage.	Radio Corp of Amer 8605879-501	WL-62-1559		P/O AN/FSA-27,28,36
CM-239()/FPS-49A CM-239/FPS-49A	Signal Comparator	Supplies the sum and difference frequencies of radio frequency signals. Cancelled 20 September 1962.	Radio Corp of Amer 8604205-501	WL-62-1591		P/O OA-3780/FPS-49A()
CM-240()/FSA-37 CM-240/FSA-37	Signal Comparator	Freq. range: 0 to 2kc. Determines a specific output video signal by using two gate systems as limiters and feeds signal to a switching circuit.	Radio Corp of Amer 8604865-501	WL-62-1824		P/O AN/FSA-37
CM-241()/FSA-37 CM-241/FSA-37	Signal Comparator	Provides automatic gain control, bandwidth filtering, and filter switching. Provides automatic gain control comparision.	Radio Corp of Amer 8634181-501	WL-62-1836		P/O AN/FSA-37

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CM-242( )/ALQ-T3(V) CM-242/ALQ-T3(V)	Signal Comparator	Provides freq. tuning comparators for 49 stations VS instructors AN/APR-17 systems index displays. Provides electronic components for simulation of one AN/APR-17 system; for generation of antenna scan and pattern characteristics of one AN/ALA-6 system; and for determination of signal bearing.	Reflectone Electronics 473-5-55000	AEL-62-228		P/O AN/ALQ-T3(V)
CM-243( )/ALQ-T3(V) CM-243/ALQ-T3(V)	Signal Comparator	Provides electronic comparators for one AN/APR-17 system VS 49 stations, band selection relay circuits for one AN/APR-17 system, electronic comparators for AN/APR-17 narrow (Pan) band VS selected stations, and mixing and modulating circuits for selected station audio/video signals.	Reflectone Electronics 473-5-553000	AEL-62-230		P/O AN/ALQ-T3(V)
CM-244( )/FSA CM-244/FSA	Signal Comparator	Freq. range: 0 to 333kc. Consists of 2 multiple input and 3 single input pulse threshold circuits whose signals are compared to a reference voltage and an output produced only when the input exceeds the reference.		WL-62-2093		P/O AN/FSA-27,28 and 36
CM-245( )/FSA-40 CM-245/FSA-40	Signal Comparator	Freq. range: 180kc to 220kc. Compares two input signals to provide multiple outputs which are the sum of the input signals.	Radio Corp of Amer 8606828-501	WL-62-2041		P/O OA-3959/FSA-40
CM-246( )/F CM-246/F	Signal Comparator	200kc maximum frequency. Compares an input signal with ground and provides an output pulse when the input is more negative than ground by a pre-determined amount. Previously known as the CM-246/FSA-40&( ) or CM-246/G&( ).	Radio Corp of Amer 861669-501	WL-62-2042		P/O OA-3959/FSA-40
CM-247( )/FSA-40 CM-247/FSA-40	Signal Comparator	Consists of four identical dc comparator circuits. Each comparator circuit utilizes two inputs whose polarity determines the output signal amplitude.	Radio Corp of Amer 8633601-501	WL-62-2044		P/O OA-3959/FSA-40
CM-248( )/FSA-40 CM-248/FSA-40	Signal Comparator	200kc modulated by 190pps max. Each comparator compares two signals and provides an output which is the modulation envelope of the input signal of greatest amplitude.	Radio Corp of Amer 8634116-501	WL-62-2047		P/O OA-3959/FSA-40
CM-249( )/FPS-49 CM-249/FPS-49	Comparator-Detector	Compares a 400cps servo position error signal with a 400cps reference signal and detects the output dc error signal. This dc voltage is fed to the radar data converter and put into digital form by an analog to digital converter.	Radio Corp of Amer 8605437-501	WL-62-2139		P/O OA-3533/FPS-49
CM-250( )/FPS-49 CM-250/FPS-49	Signal Comparator	200kc freq. Compares the phase of an input signal to a known reference signal and the output is a dc error voltage proportional to the phase difference.	Radio Corp of Amer 8605601-501	WL-62-2099		P/O OA-3546/FPS-49
CM-251( )/FSA-40 CM-251/FSA-40	Signal Comparator	Compares the phase difference between the error intermediate frequency signal and the reference intermediate frequency signal to produce a video error signal whose polarity is a function of phase difference and the amplitude is proportional to the error intermediate frequency signal. 200kc.	Radio Corp of Amer 8631478-501	WL-62-2178		P/O OA-3959/FSA-40
CM-252( )/FSQ-42 CM-252/FSA-42	Signal Comparator	Compares an input signal with a reference signal and provides an output pulse when the input signal is not present. 250cps max.input frequency.	Radio Corp of Amer 8605896-501	WL-62-2555		P/O OA-4029/FSQ-42 OA-4031/FSQ-42
CM-252( )/G CM-252/G	Signal Comparator	Same description as CM-252/FSQ-42&( ) but 2.5cps. 10kΩ input, 50Ω output Z.	Radio Corp of Amer 8605896-501	WL-63-R-1451		P/O OA-4035/FSQ-42 AN/MPS-25(V)
CM-253( )/FPS-69 CM-253/FPS-69	Signal Comparator	Freq. range: 1220-1350Mc. Receives and detects echo signals, forwards normal video signals to indicator units, processes echo signals to produce MTI video signals; includes subassembly delay line assembly MX-362/FPS-71.	Raytheon 4272-5001G1	SIMSA-62-2558		P/O MK-670/FPS-69 AN/FPS-69
CM-254( )/FPS-49 CM-254/FPS-49	Comparator-Converter	Contains a two stage mixer which reduces the incoming 60Mc signal to 200kc which is then supplied to a gated detector in the form of a dc level. The difference between this signal and one of known value is then compared and amplified in the comparator circuit.	Radio Corp of Amer 8307945-501	WL-62-2359		P/O OA-4097/GPN
CM-255/GPN	Signal Comparator	Used to cancel fixed targets, and amplify moving targets. It also generates the system triggers for the AN/MPN-5 and AN/FPN-28.	Hazeltine Electronics 102321	N-62-b-1313	SHIPS-F-3261H	P/O OA-4097/GPN
CM-256( )/APS	Signal Comparator	Basically a moving target indicator technique which uses coherent signal integration and doppler scanning to obtain a signal to noise improvement over a single pulse radar return and separates moving targets from clutter.	General Electric	N-62-W-1284		U/W AN/APS-91 AN/APS-96
CM-257( )/FSA CM-257/FSA	Signal Comparator	Used as a threshold comparator for reset pulses to a Analog to Digital Converter. Range: 50 to 90pps.	Radio Corp of Amer 8601931-501	WL-62-2697		P/O AN/FSA-27,28, 3 OA-4099/FSA-40
CM-258( )/GLA-8A CM-258/GLA-8A	Signal Comparator	Receives R/AZ, system triggers, and long and short blanking gates. The blanking gates are compared with gates generated by the triggers on a time basis. The blanking gates time, coincident with the generated range and sector gates appear at the output.	Airborne Inst Lab 178775-1	WL-62-2798		P/O AN/GLA-8A
CM-259( )/FSA-40 CM-259/FSA-40	Signal Comparator	200kc max frequency. Functions as part of a greater-of-two circuits in the radar data converter equipment.	Radio Corp of Amer 8633193-501	WL-62-3794		P/O OA-3959/FSA-40
CM-260( )/FSG-1 CM-260/FSG-1	Voltage Comparator	Compares the X,Y and H analog voltages to the output voltage of the CV-1333/FSG-1 and generates a pulse when the digital to analog voltage is greater than the analog voltage by at least 2 millivolts.	G L Martin 423-1346000	SIMSA-62-2879		P/O MX-4518/FSG-1
CM-261/U	Frequency Comparator	Input: 10Mc to 12.4kMc; resultant freq: 100 to 220Mc. For field service testing. Comparison is made by means of broadband, untuned, diode mixer system, amplifier and oscilloscope, all within the instrument.	Hewlett-Packard 540BR	N-62-T-1936		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CM-263/U	Signal Comparator	1cps frequency. Used to compare local frequency standards with WWV broadcast. Integral circuitry provides three-axis signals to complementary oscilloscope.	Hewlett-Packard 114BR	N-62-W-2043		P/O AN/USA-17
CM-264()/FSQ-44 CM-264/FSQ-44	Comparator-Monitor	50cps to1Mc. Monitors the outputs of tripilicated oscillators, makes comparisons and determines if an oscillator or freq. divider has drifted out of tolerance. If an error is detected, it eliminates the incorrect oscillator or freq. divider and switches in a new one.		NSA-62-0077		U/W AN/FSQ-44
CM-265()/FYM-2 CM-265/FYM-2	Digital Data Comparator	Processes, compares (evaluates or validates) the data and yields a Go-No-Go signal upon validification.	Internat'l Electric 4583667G1	WL-62-4779		P/O OA-4461/FYM-2
CM-266()/FYM-2 CM-266/FYM-2	Digital Data Comparator	Transmits data to the circuit under test and compares the output for validity. Solid state plug-ins.	Internat'l Electric 4583668G1	WL-62-4780		P/O OA-4461/FYM-2
CM-267()/FYM-2 CM-267/FYM-2	Digital Data Comparator	Transmits data to the circuit under test and compares the output for validity. Solid state plug-ins.	Internat'l Electric 4583683G1	NW-62-4781		P/O OA-4461/FYM-
CM-268/FPN-46	Phase-Time Comparator	Compares relative phase or time position of received Loran-C pulses with 100kc and triggers (internal) and generates servo error voltages.	Internat'l Tel & Tel 2310431G1	N-62-ac-2479		P/O OA-4484/FPN-46
CM-269()/FST-2B CM-269/FST-2B	Comparator-Indicator	Counts and compares targets processed by AN/FST-2 to determine radar environment and optimum ECCM fixes.	Burroughs Corp DRA 83447	CRC-62-141		P/O AN/FST-2B
CM-270/SRC-16	Signal Comparator	100kc. Provides meter indication of relative frequency of 2 of 4 standards and selects one for general distribution on 4 outputs. 50Ω.	Collins Radio 522-2260-00	N-62-Y-2762		P/O OA-4622/SRC-16
CM-271/DRM-3	Frequency Comparator	Measures difference frequency of corresponding transmitter and receiver difference frequency crystals.	G L Martin 293 BA500001	NW-62-755		P/O AN/DRM-3
CM-272()/FPS-35 CM-272/FPS-35	Signal Comparator	VSWR indicator for given incident and reflected signals.	Sperry Gyroscope Co 2377233	WL-62-5665		P/O OA-3089/FPS-35
CM-273()/APS-96 CM-273/APS-96	Signal Comparator	30Mc input, video frequency output. Cancels fixed targets. 93Ω.	General Electric 224E786G1	NW-63-53		P/O AN/APS-96
CM-275()/GLR-1 CM-275/GLR-1	Signal Comparator	Includes scan counter-decoder. Compares address logic data from 20 lines simultaneously and determines if a line differs from the rest.	Gen Dynamics/Elec 666129-729	WL-63-1079		P/O OA-4822/GLR-1
CM-276()/GLR-1 CM-276/GLR-1	Comparator-Indicator	17 pairs of comparators compare TPD standby or 17 TPD normal functions with test console waveforms. (TPD = Time Programming Distribution).	Gen Dynamics/Elec 666129-722	WL-63-1103		P/O OA-4824/GLR-1
CM-277()/GLR-1 CM-277/GLR-1	Comparator-Indicator	Same description as CM-276/GLR-1&(). Also contains comparators for 2-cpm 100kc channel 1 and 2, console and local gating.	Gen Dynamics/Elec 666129-723	WL-63-1104		P/O OA-4824/GLR-1
CM-278()/GLR-1 CM-278/GLR-1	Comparator-Indicator	Same description as CM-276/GLR-1&().	Gen Dynamics/Elec 666129-724	WL-63-1105		P/O OA-4824/GLR-1

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CN-16/U	Transformer	Variac; input: 115v 60cps; output: 0-135v, 7.5a max. Part of Control Box BC-732-C.	General Radio Co 200CM	SCEL		
CN-16A/U	Transformer	Variac; input: 115v 60cps; output: 0-135v calibrated, 7.5a max. Differs from CN-16A/U in that the GR type V-5MT variac replaces the 200-CM which is no longer manufactured.	General Radio Co V-5MT	SCL-6602		
CN-30A/U	Fixed Attenuator	10db ±0.1db fixed attenuation; transmission line type; VSWR:is 1.15 max; 50Ω input and output impedance; frequency response: 1-1.5kMc; 2 watts average, 1000 watts peak. Electrically and mechanically interchangeable with CN-30/U except for higher power and greater stability.		USN-58-X-882		
CN-39/U	Attenuator	Normal attenuation of 20db; Class B; loss: ±1/2db; standing wave ratio: ±2db. Consists of a coaxial structure with an "N" type plug at one end and jack at the other.		USN		
CN-45/UP	Attenuator	Used to decrease the voltage pulse applied to high powered "S" band magnetrons so as to permit seasoning of the magnetron. Contains resistance 10Ω.				U/W AN/APS-20
CN-50()/APN CN-50/APN	Attenuator	400 to 500Mc. 33.5 to 103.5db, scale calibration 30 to 100db. Input and output: 50Ω resistor.	Elec Corp of Amer RCA PCK-575E-49	ARL	271-1704-A	P/O TS-10B/APN U/W AN/APG-4 AN/APM-1
CN-60()/UP CN-60/UP	Attenuator	L band. 30 to 100db ±0.5db. In one db steps. Input and output Z: 50Ω. Network Circuit.	Western Electric Co X-66512-B	USN	X-66512-B	P/O TS-12/UP
CN-78()/URH-1 CN-78/URH-1	Attenuator	1.5 to 18Mc. 15 to 100db in 2/5/10db steps. Linear to logarithmic conversion. Output: 100Ω resistive.	Airborne Inst Lab 116.4 Hoffman Radio Corp	USN		P/O AN/URH-1()
CN-79()/U CN-79/U	Attenuator	1000 to 4000Mc. Provides 3db attenuation. Compensated for 50Ω lines. 1w maximum power rating.	Polytechnic Res & Dev	USN	RE 49F486A	
CN-80()/U CN-80/U	Attenuator	1 to 4kMc. Provides fixed 6db attenuation. Compensated for 50Ω line. 1w maximum power. U/W test equipment.	Polytechnic Res & Dev	USN	RE 49F486A	
CN-81()/U CN-81/U	Attenuator	1000 to 4000Mc provides 10db fixed attenuation. Compensated for 50Ω line. 1w maximum power.	Polytechnic Res & Dev	USN	RE 49F486A	
CN-87()/U CN-87/U	Attenuator	Fixed 20db attenuation within 4 to 10kMc; compensated for use with use with 50Ω lines; one watt max power rating.	Polytechnic Res & Dev 130D	USN		P/O AN/UPA-1A
CN-87A/U	Fixed Attenuator	Transmission line type; 50Ω impedance; average power 0.1 watt; frequency response 2.5kMc to 10kMc; 20±1.5db; VSWR:1.4; interchangeable with CN-87/U except electrically and mechanically improved.				
CN-110()/U CN-110/U	Attenuator	1000 to 4000Mc. 10±0.3db fixed attenuation. Input and output Z: 50Ω. 0.5w max power. VSWR:less than 1.3:1.	Polytechnic Res & Dev Bruno NY Ind Inc 57-2001	USAF WL-54-R-2209	RADC ENG-362	P/O MX-1309/URM-23
CN-110A/U	Attenuator	Same description as CN-1101/U except tolerence is ±0.2db.	Bruno NY Ind Inc 57-2001A	USAF WL-54-R-2210	RADC ENG-362	P/O MX-1306/URM-20 MX-1309/URM-23
CN-110B/U	Attenuator	1 to 4kMc, 10±1db fixed attenuation. Z:46.5Ω 10w avg power. VSWR:less than 1.35:1, coaxial type. Interchangeable with CN-110A/U.		USN		
CN-111()/U	Attenuator	1 to 4kMc. 20±0.3db fixed attenuation. Input and output Z: 50Ω. 5w rating. VSWR:less than 1.35:1 1.5db frequency sensitivity.	Bruno NY Ind Inc 57-2051	USAF WL-54-R-2211	RADC ENG-362	P/O MX-1309/URM-23
CN-111A/U	Attenuator	Similar and interchangeable with CN-111/U except ±0.2db tolerances. 1.0db frequency sensitivity,	Bruno NY Ind Inc 57-2051A	USAF WL-54-2212	RADC ENG-362	
CN-113()/U CN-113/U	Variable Attenuator	0 to 120db mutual inductance type. Output: 51Ω ±5%.	Hazeltine Electronics A-4853	USN	CS-846	P/O SG-25/U
CN-117()/U	Fixed Attenuator	1:5 L-pad type. Two 1w resistors, 1000 and 3900Ω ±10% each. Linear attenuation approximately 14db. Video frequencies only.	Hazeltine Electronics A-5813-B	USN	NAVAER 16-5S-507	P/O TS-355/UP
CN-120/U	Attenuator	20 to 1000Mc. Provides 10±0.3db fixed attenuation. Input and output Z: 50Ω. 1w power. VSWR:1.3 or less. 1.0db frequency sensitivity.	Bruno NY Ind Inc	USA WL-54-R-1075	WLENG-1081A (USAF)	P/O MX-1308/URM-22
CN-121/U	Attenuator	20 to 1000Mc, provides 20 ±0.3db fixed attenuation. Input and output Z: 50Ω. 5w power rating. VSWR:1.3 or less. 1.5db frequency sensitivity.	Bruno NY Ind I c	USA WL-54-R-1076	WLENG 1081A	P/O MX-1308/URM-22
CN-122/U	Attenuator	4 to 10kMc. Provides 10 ±0.3db fixed attenuation Input and output Z:50Ω. 0.5w power rating. VSWR:1.3 or less.	Polytechnic Res & Dev	WL-55-R-1439	WLENG-1081A (USAF)	P/O ME-16/U,17, MX-1307()/URM-21 AN/URM-21
CN-123/U	Attenuator	4 to 10kMc. Provides 20 ±0.3db fixed attenuation. Input and output Z:50Ω. 1w power rating. VSWR: 1.3 or less.	Polytechnic Res & Dev	USA WL-54-R-1088	WLENG-1081A (USAF)	P/O MX-1307/URM-21 MX-1310/URM-24
CN-124()/U CN-124/U	Attenuator	1 to 4kMc. Provides 50db coupling through buffer attenuation. Input and output Z:50Ω. Rating: 100w avg. VSWR: 1.3 or less.	Polytechnic Institute	WL-45-2103		P/O ME-18/U
CN-125()/U CN-125/U	Attenuator	1 to 4kMc, 60db coupling through buffer attenuator. Input and output Z: 50Ω. 1kw avg power rating.	Polytechnic Institute	WL-45-2104		P/O ME-19/U
CN-126()/U CN-126/U	Attenuator	4 to 10kMc, 50db coupling through buffer attenuator. Input and output Z: 50Ω. 100w avg power rating. VSWR: 1.3 or less.	Polytechnic Institute	WL-45-2105		P/O ME-20/U
CN-127()/U CN-127/U	Attenuator	4 to 10kMc, 60db coupling through buffer attenuator. Input and output Z:50Ω. 1kw avg power rating. VSWR: 1.3 or less.	Polytechnic Institute	WL-45-2106		P/O ME-21/U

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CN-129()/U CN-129/U	Variable Attenuator	6.2 to 6.9kMc, 0 to 25db linear attenuation. Input and output Z: 50Ω. VSWR: 1.51 at 6.25kMc, 1.49 at at 6.5kMc, 1.3 at 6.9kMc.	Barlow Engineering 9-4	USN	CS-675	P/O TS-501/UP
CN-132()/URM-25 CN-132/URM-25	Fixed Attenuator	T network. 14db attenuation. Input and output Z: 53.5Ω ±3%.	Federal Mfg & Eng 295-226-2	USN		P/O AN/URM-25
CN-136()/URM-25 CN-136/URM-25	Fixed Attenuator	T network. 20db attenuation. Input and output Z: 53.5Ω ±3%.	Federal Mfg & Eng 295-307	USN		P/O AN/URM-25
CN-140()/TT	Voltage Analyzer Compensator	Performs primary calibration of TS-568()/FT and TS-559()/FT. Also is a voltage coupler between TS-568()/FT and power lines in telephone influence factor measurements.		SCL-8771		P/O AN/TTM-1()
CN-141()/TT	Current Analyzer Compensator	Primary calibration of TS-568()/FT and TS-599()/FT and TS-599()/FT. Also current couples TS-568()/FT to power line in telephone influence factor measurements. 5a max.	Western Electric Co D-99127	SCL-8773		P/O AN/TTM-1()
CN-147/URM-26	Fixed Attenuator	T circuit. 20db attenuation. Input and output Z: 50Ω ±10%. 0.5w power rating.	Federal Mfg & Eng 294-840	USN		P/O AN/URM-26
CN-168()/U	Fixed Attenuator	1 to 4kMc, 3±0.3db attenuation. Input and output Z: 50Ω 0.5w rating. VSWR: 1.3 or less. 0.5db frequency sensitivity. Extends range of AN/URM-23.	Polytechnic Res & Dev Bruno NY Ind Inc 57-2251	USAF WL-54-R-2213	RADC ENG-362	P/O MX-1309/URM-23
CN-168A/U	Fixed Attenuator	1 to 4kMc. 3±0.2db attenuation. Input and output Z: 50Ω 5w rating. VSWR: 1.3 or less. 0.5db frequency sensitivity. Extends range of AN/URM-20.	Bruno NY Ind Inc 57-2251A	USAF WL-54-R-2214	RADC ENG-362	P/O MX-1306/URM-20 MX-1309/URM-23
CN-169()/U CN-169/U	Fixed Attenuator	1 to 4kMc, 6±0.3db attenuation. Input and output Z: 50Ω 0.5w rating. VSWR: 1.3 or less. 0.5db frequency sensitivity. Extends range of AN/URM-23.	Polytechnic Res & Dev Bruno NY Ind Inc 57-2301	USAF WL-54-R-2215	RADC ENG-362	P/O MX-1309/URM-23
CN-169A/U	Fixed Attenuator	1 to 4kMc. 6±0.2db attenuation. Input and output Z: 50Ω 3w rating. VSWR: 1.3 or less. 0.5bd frequency sensitivity. Extends range of AN/URM-20.	Bruno NY Ind Inc 57-2301A	USAF WL-54-R-2216	RADC ENG-362	P/O MX-1306/URM-20 MX-1309/URM-23
CN-173/U	Fixed Attenuator	20 to 1000Mc, 3±0.3db attenuation. Input and output Z: 50Ω. 1w rating. VSWR: 1.3 or less. 0.5db frequency sensitivity. Extends range of AN/URM-22 and AN/URM-19.	Polytechnic Res & Dev Bruno NY Ind Inc	USA WL-54-R-1073	WLENG-1081A (USAF)	P/O MX-1308/URM-22
CN-174/U	Fixed Attenuator	20 to 1000Mc, 6±0.3db attenuation. Input and output Z: 50Ω. 1w rating. VSWR: 1.3 or less. 0.5db frequency sensitivity. Extends range of AN/URM-19 and AN/URM-22.	Polytechnic Res & Dev Bruno NY Ind Inc	USA WL-54-R-1074	WLENG-1081A (USAF)	P/O MX-1308/URM-22
CN-175/U	Fixed Attenuator	4 to 10kMc, 3±0.3db attenuation. Input and output Z: 50Ω 1w rating. VSWR: 1.3 or less. Extends range of AN/URM-21 and AN/URM-24.	Polytechnic Res & Dev	USA WL-55-R-1440	WLENG-1081A USAF	P/O MX-1307/URM-21 MX-1310/URM-24
CN-176/U	Fixed Attenuator	4 to 10kMc, 6±0.3db attenuation. Input and output Z: 50Ω 0.5w rating. VSWR: 1.3 or less. Extends range of AN/URM-21 and AN/URM-24.	Polytechnic Res & Dev	USA WL-55-R-1441	WLENG-1081A (USAF)	P/O MX-1310/URM-24 MX-1307/URM-21
CN-177/U	Fixed Attenuator	4 to 10kMc, 20±0.3db attenuation. Input and output Z: 50Ω. 0.5w rating. VSWR: 1.3 or less. Extends range of AN/URM-21.	Polytechnic Res & Dev	USA WL-55-R-1442	WLENG-1081A (USAF)	P/O MX-1307()/URM-21
CN-178/U	Fixed Attenuator	1 to 4kMc, 20±0.3db attenuation. Input and output Z: 50Ω 0.5w rating. VSWR: 1.3 or less. Extends range of AN/URM-20.	Polytechnic Res & Dev	USA WL-55-R-1443	WLENG-1081A (USAF)	P/O MX-1306()/URM-20
CN-179/URM-26A	Fixed Attenuator	3 to 405Mc, 20db ±10%. Input and output Z: 50Ω. Resistive 0.5w rating.	Measurements Corp HA-3423	USA USN	MIL-S-15463	P/O AN/URM-26A
CN-180()/UPM-8	Fixed Attenuator	21.5±1db. Input and output Z: 53.5 ±0.5Ω. Resistive type. Non-standard network.	Hazeltine Electronics A-8359-B	USN		P/O AN/UPM-8
CN-180A/UPM-8	Fixed Attenuator	21.5±1db. Input and output Z: 53.5±0.5Ω. Resistive type. Non-standard network.	PSC Applied Research DEI-A-8359	Canada RCAF 281		P/O AN/UPM-8A U/W TS-726A/UPM-8
CN-197()/URM-15 CN-197/URM-15	Fixed Attenuator	dc to 1kMc, 26db. Input and output Z: 50Ω. VSWR: 1.15 dc to 1kMc, 1.05 or less for 400Mc.	Bendix Radio Weinschel Eng Co 220532	USA AEL-52-R819		P/O AN/URM-15
CN-210()/U CN-210/U	Fixed Attenuator	S band, 20db. Z: 50Ω. Measures xmitter power output and receiver input sensitivity of AN/APW-11().	Radiation Inc	USA AEL-52-416	MCREE-636	P/O AN/UPM-19B
CN-211()/U CN-211/U	Variable Attenuator	4460 to 12,400Mc, 10 to 140db. Input and output Z: 50Ω. Inductive type. Contains leads of RG-21/U.		USA AEL-52-458	MIL-S-4469 (USAF)	P/O AN/UPM-17
CN-220/U	Variable Attenuator	Freq. range: 2.6 to 3.5kMc. Attenuation range: 0 to 40db, accuracy: ±0.2db, reading indicated on a dial gauge. Mounts with flange type UG-149/U.	PRD Electronics 175B	SIMSA-61-110		
CN-223()/URM-25D CN-223/URM-25D	Fixed Attenuator	10kc to 50Mc, 14db fixed. Resistive type.	Trad Television Corp 107-B-143	USA USN	MIL-R-15281	P/O AN/URM-25D
CN-224()/URM-25D CN-224/URM-25D	Fixed Attenuator	10kc to 50Mc, 20db fixed. Resistive type.	Trad Television Corp 107-B-144	USA USN	MIL-R-15281	P/O AN/URM-25D
CN-252()/ARN CN-252/ARN	Fixed Attenuator	75kc to 40Mc. Output Z: 50Ω. Resistive type. Connects TS-413()/U to MX-1559/ARN.		USA AEL-54-R6	MIL-S-4712 USAF	P/O AN/URM-78
CN-258()/G CN-258/G	Variable Attenuator	dc to 10kc, 0 to infinity in steps. Steps 2 to 18: 2db/step. Steps 19 to 21: tapers to infinity. Resistive type. P/O Nike I Guided Missile Battery.	Tech Labs Inc LS-622 Western Electric Co GA-50925	SCLC-8626		U/W AN/MSA-7
CN-263()/U	Variable Attenuator	dc to 3kMc. 0 to 58db in 2 steps. Z: 50Ω. 1w max rating. VSWR: greater than 1.2.	Stoddart Aircraft 90506-1	USA AEL-53-108	MCREE-574	U/W AN/APM-77()
CN-264()/U CN-264/U	Fixed Attenuator	4 to 10kMc. 3±0.5db. Input and output Z: 50Ω. 5w rating 0.5db frequency sensitivity. VSWR: 1.3 max.	Bruno NY Ind Inc 59-2001	USA WL-54-R-1219	MCREE-949	P/O MX-1310/URM-24

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CN-265()/U CN-265/U	Fixed Attenuator	4 to 10kMc; 7±0.3db, input and output Z: 50Ω. 3w rating VSWR 1.3 maximum. Extends range of TS-730/URM.	Bruno NY Ind Inc	USA WL-54-R-1220	MCREE-949	MX-1310/URM-24
CN-279()/G CN-279/G	Variable Attenuator	dc to 500Mc; 10 to 51db ±0.1db. 41 one db steps. Z: 53.5Ω. P/O Corporal Missile Ground Guidance Test Equipment.	Kay Electric Co 20	US ORDTU-53-54		
CN-303()/UPM	Fixed Attenuator	30 to 60Mc; Z 50Ω. Used as an isolating pad between FR signal generators and receiver IF strips.		USA SCLE-9311		
CN-318/G	Variable Attenuator	Frequency range: 100 to 4000Mc. Attenuation range: 0 to 120db. Accuracy: ±0.2db.	General Radio Co 874-GA	SIMSA-60-2789		
CN-319()/UPM-17 CN-319/UPM-17	Variable Attenuator	12.3kMc; 0 to 120db ±1.5%. Input and output Z: 50Ω.	General Radio Co 874-GA	USAF AEL-54-690	MIL-S-4469 (USAF)	P/O AN/UPM-17
CN-333()/U	Fixed Attenuator	dc to 4kMc; 3±0.5db. Input and output Z: 50Ω. VSWR: 1.3 or less. 0.5db frequency sensitivity. 1w rating.		USAF WL-54-2202	RADC-1745	
CN-334()/U	Fixed Attenuator	dc to 4kMc; 6±0.75db. Input and output Z: 50Ω. VSWR: 1.3 or less. 0.75db frequency sensitivity. 1w rating.		USAF WL-54-2203	RADC-1745	
CN-335()/U	Fixed Attenuator	dc to 4kMc; 20 ±1db. Input and output Z: 50Ω. VSWR: 1.3 or less. 1.0db frequency sensitivity. 5w rating.		USAF WL-54-2204	RADC-1745	
CN-336()/U	Fixed Attenuator	dc to 4kMc; 10 ±1db. Input and output Z: 50Ω. VSWR: 1.3 or less. 1.0db frequency sensitivity. 1w rating.	Weinschel Eng Co A113-3	USAF WL-54-2205	RADC ENG-1519	
CN-349()/GT	Attenuator Assembly	An artificial transmission line used to test TA-126()/GT. Simulates WD-1/TT for 1 to 15 miles.	Lenkurt Electric Co	USA SCLM-1197		U/W TA-126()/GT
CN-350()/GT	Variable Attenuator	0.5 to 7kc; 3.5db at 3.5kc dry line and 21db at 3.5kc wet line. ±1db. 600Ω nominal Z.	Lenkurt Electric Co	USA SCLM-1198		P/O CN-349()/GT
CN-351()/GT	Fixed Attenuator	0.5 to 7kc; 13db at 3.5kc dry line and 21db at 3.5kc wet line. ±1db. 600Ω nominal Z.	Lenkurt Electric Co	USA SCLM-1199		P/O CN-349()/GT
CN-352/U	Fixed Attenuator	dc to 3kMc; 17±0.5db. Input and output Z: 53Ω resistive.	Microlab AF17	USN EL-4132		P/O AN/ARM-25()
CN-371()/TRC CN-371/TRC	Fixed Attenuator	120Mc; 10 ±1db. Input Z: 50Ω, Output Z: 93Ω. Maintains correct Z: when used for alignment of AN/TRC-29().	Electronic Assoc	SESA-58-1439		P/O MK-284/TRC
CN-372()/TRC CN-372/TRC	Fixed Attenuator	120Mc; 7 ±1db. Input Z: 50Ω, output Z: 91Ω. Maintains correct Z: when used as matching pad in IF alignment of AN/TRC-29().	Electronic Assoc	SESA-58-1440		P/O MK-284/TRC
CN-388/UP	Fixed Attenuator	0.5 to 1.5kMc; 10 ±0.5db. Z: 50Ω Resistive. 2w avg max.		574		P/O TS-107A/TPM-1
CN-389()/U	Variable Attenuator	1 to 4kMc; 0 to 25db. Insertion loss less than 1.5db VSWR: 1.15 or less. 1w min power rating.	F-R Machine Works	WL-56-1344		U/W RG-104/U RG-48/U RG-69/U
CN-393()/GRM-8	Fixed Attenuator	0.1 to 400Mc; 40 ±1db. Input and output Z: 50Ω. Resistive 5w avg and 30kw peak ratings.		AEL-56-461		P/O AN/GRM-8()
CN-396/URM-96	Variable Attenuator	25 to 250Mc. 0 to 10w, 0 to 50w, 0 to 100w, 0 to 500w. Must be U/W ME-113/URM-96.	Sierra Electronics 181-250, 178	N-61-X-2796		P/O AN/URM-96 AN/URM-96A
CN-397/URM-96	Variable Attenuator	0.2 to 1kMc. 0 to 10w, 0 to 50w, 0 to 100w, 0 to 500w. Must be U/W ME-113/URM-96.	Sierra Electronics 181-1000, 179	N-61-X-2797		P/O AN/URM-96 AN/URM-96A
CN-399/TRM-1	Fixed Attenuator	dc to 400Mc; 6db ±10%. Input and Output Z: 50Ω. Resistive. 0.5w rating.	Trad Electronics Corp 102-C-761	USN		P/O AN/TRM-1
CN-407()/G	Variable Attenuator	100cps to 1Mc. 0 to 111.1db ±0.05db-100cps to 600kc, ±0.07db-600kc to 1Mc. Balanced H. Input and output Z: 600Ω. Resistive type. 1w rating.		SCLC-10985	SCL-1577	U/W AN/TCC-3thru 24
CN-408()/G	Variable Attenuator	100cps to 1Mc. 0 to 111.1db ±0.05db-100cps to 600kc, ±0.07db-600kc to 1Mc. Balanced H. Input and output Z: 135Ω. Resistive type. 1w rating.		SCLC-10985	SCL-1577	U/W AN/TCC-3 thru 24
CN-409()/UPM-84 CN-409/UPM-84	Variable Attenuator	124.4 to 18.kMc. Waveguide type. Resistance card type housed in a shielded case.	Polarad Electronics	AEL-56-486	MIL-S-4469A	P/O AN/UPM-84
CN-410()/UPM-84 CN-410/UPM-84	Variable Attenuator	26.5 to 40kMc. Waveguide type. Resistance card type housed in a shielded case.	Polarad Electronics	AEL-56-487	MIL-S-4469A	P/O AN/UPM-84
CN-411()/UPM-84 CN-411/UPM-84	Variable Attenuator	18.0 to 26.5kMc. Waveguide type. Resistance card type housed in shielded case.	Polarad Electronics	AEL-56-488	MIL-S-4469A	P/O AN/UPM-84
CN-433()/U CN-433/U	Fixed Attenuator	2650 to 3000Mc. Z: 50 ±2Ω. Coaxial transmission line type. Measures sensitivity of AN/APW-11.	Radiation Inc	AEL-57-187		P/O AN/UPM-19C
CN-454/U	Variable Attenuator	dc to 225Mc; 0 to 10db. Input and output Z: 73Ω. 0.5w rating. Resistive type unbalanced "Pi".	Daven Co RFB-540-73	USN-57-X-978		
CN-455/U	Variable Attenuator	dc to 225Mc; 0 to 70db. Input and output Z: 73Ω. 0.5w power rating. Resistive type unbalanced "Pi".	Daven Co RFB-541-73	USN-57-X-979		
CN-456/U	Variable Attenuator	dc to 225Mc; 0 to 20db. Input and output Z: 73Ω. 0.5w rating. Resistive type unbalanced "Pi".	Daven Co RFB-542-73	USN-57-X-980		
CN-459()/URM-78 CN-459/URM-78	Fixed Attenuator	100kc to 1750Mc. 0 to 1v. Resistive type.	Transdyne Corp	AEL-57-603	MIL-S-4712 USAF	P/O AN/URM-78
CN-462()/URM-7 CN-462/URM-7	Fixed Attenuator	0.15Mc to 1kMc; 40db. Input and output Z: 50Ω. Resistive type.	Douglas Microwave	SESA-57-1196	MIL-R-11197	P/O AN/URM-7
CN-464/GPM	Variable Attenuator	dc to 500Mc; 0 to 60db ±0.033% at low frequencies to ±1.8% at high frequencies. Input and output Z: 75Ω. Resistive type "T".		ORDBA-0086		

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CN-471/URM-26B	Fixed Attenuator	4 to 405Mc; 10:1 attenuation ±5%. 0.5w rating. Resistive type unbalanced "Pi" network. Input Z: 50Ω, output Z: 70Ω.	Trad Electronics Corp 136-B-13	USN-57-X-1834		U/W AN/URM-26B
CN-476/U	Variable Attenuator	dc to 500Mc; 0 to 101db ±0.1db/db to 200Mc, ±0.25db per db 200 to 500Mc. Input and output Z: 90Ω. 0.5w rating. Resistive type unbalanced "Pi".	Measurement Corp M-546	USN-58-Q-133		
CN-491/G	Variable Attenuator	Freq. range: 12.4 to 18kMc. Attenuation range: 0 to 50db, accuracy: ±0.1db. Mounts with flange type UG-149/U.	Hewlett-Packard P382A	SESA-59-287		U/W AN/MPQ-4A
CN-492/G	Variable Attenuator	Freq. range: 12.4 to 19kMc. Attenuation range: 0 to 20db, accuracy: ±2db. Mounts with flange type UG-149/U.	Hewlett-Packard P-375A	SESA-59-258		U/W AN/MPQ-4
CN-498/UPM-26	Fixed Attenuator	1010 to 1110Mc; 27.5+2db. Input and output Z: 50Ω. 1w rating. Transmission type; Double "T".	Packard-Bell 103297	USN-58-Q-558	MIL-T-19266	P/O AN/UPM-26
CN-499/UPM-26	Fixed Attenuator	1010 to 1110Mc 24.5+2db, Input and output Z: 50Ω. 0.5w rating. Transmission type; Double "T".	Packard-Bell 103298	USN-58-Q-559		P/O AN/UPM-26
CN-505/U	Fixed Attenuator	100cps; 60db ±0.5db. Input Z: 600Ω, output Z: 0.2Ω or less. Resistive type.	Western Electric Co GS-19652-L2	N-58-n-1068		P/O OA-1975/FQQ-2 OA-1976/FQQ-2 OA-1977/FQQ-2
CN-522()/UPM-72 CN-522/UPM-72	Variable Attenuator	7 to 10kMc; 0 to 20db. 500mw rating VSWR: 1.5 or less.	Pitometer Log Corp B6789 D6924-2	WL-59-R-1579	MIL-T-9532	P/O AN/UPM-72
CN-530/URM-25D	Fixed Attenuator	dc to 50Mc; 20db ±1%. Input Z: 50Ω, output Z: 70Ω. Resistive, unbalanced "Pi" circuit.	Kings Electronics 107-B-740	N-58-X-1948	MIL-G-15281B (SHIPS)	U/W AN/URM-25D
CN-533()/U CN-533/U	Variable Attenuator	Attenuation range: 0 to 40db; accuracy: ±0.3%. Mounts with flange type UG-51/U.	PRD Electronics 184-B	SIMSA-60-2965		U/W AN/TPS-25
CN-534()/U	Fixed Attenuator	dc to 400Mc; 3 ±0.5db. Input and output Z: 50Ω. 50w rating. VSWR: 1.3 or less. Resistive "T" network.	Empire Devices Prod AT-70	SESA-58-250		U/W ME-159()/U
CN-540/USM-96	Fixed Attenuator	1 to 10kMc; 3db ±5%. Input and output Z: 50Ω. 5w rating.	Bruno NY Ind Inc 94E-3	SESA-59-113		P/O AN/USM-96
CN-541/USM-96	Fixed Attenuator	1 to 10kMc; 7db ±5%. Input and output Z: 50Ω. 5w rating.	Bruno NY Ind Inc 94E-7	SESA-59-114		P/O AN/USM-96
CN-570()/GRM CN-570/GRM	Attenuator Assembly	Provides necessary power attenuation of the pulse and signal generator to the system under test. Attenuator card programmed.	National Company Inc GE 732013301	WDD-59-R-289		P/O OA-2363/GRM
CN-571/USM-107	Fixed Attenuator	1 to 10.5kMc; 10db ±0,1 at 4kMc, -1.2 at 1kMc, +0.7 at 10kMc. Input and output Z: 50Ω. 1w rating.	Weinschel Eng Co 210-10	USN-59-X-1421		P/O AN/USM-107
CN-573()/APM-125 CN-573/APM-125	Variable Attenuator	Cancelled 31 March 1960.		AEL-60-C-129		
CN-575()/U	Variable Attenuator	Attenuation range: 0 to 110db, in one db steps, accuracy: ±3%. Input and output are 75Ω. Attenuates 0 to 160Mc signals.	Empire Device Prod C70407	ORDBA-0251		
CN-583()/ASM-21 CN-583/ASM-21	Fixed Attenuator	Cancelled 25 January 1962.		N-62-W-102		P/O AN/ASM-21
CN-584()/TRM-7 CN-584/TRM-7	Fixed Attenuator	dc to 3kMc; 20db ±2.5%. Input and output Z: 50Ω. 2w rating. Resistive type similar to "T" circuit.	Empire Devices Prod AT-60	AEL-59-578		P/O AN/TRM-7
CN-585()/TRM-7	Fixed Attenuator	dc to 300Mc; 9 ±1db. Input Z: 20Ω, output Z: 50Ω. 0.5w rating. Resistive "L" type network.	Polarad Electronics A130210	AEL-59-579		P/O AN/TRM-7
CN-588()/U CN-588/U	Fixed Attenuator	0.5 to 11kMc 3±0.5db. Input and output Z: 50Ω. 5w rating. Transmission line type.	Bruno NY Ind Inc 135-3902	WL-59-1632	MIL-B-9560 USAF	P/O AN/USM-68
CN-589()/USM-68 CN-589/USM-68	Fixed Attenuator	0.5 to 11kMc; 3±0.5db. Input and output Z: 50Ω. 3w rating. Transmission line type.	Bruno NY Ind Inc 135-3903	WL-59-1633	MIL-B-9560 USAF	P/O AN/USM-68
CN-590()/USM-68 CN-590/USM-68	Fixed Attenuator	0.5 to 11kMc; 7±1db. Input and output Z: 50Ω. 5w rating. Transmission line type.	Bruno NY Ind Inc 135-3904	WL-59-1634	MIL-B-9560	P/O AN/USM-68
CN-591()/U CN-591/U	Fixed Attenuator	0.5 to 11kMc, 10±0.75db. Input and output Z: 50Ω. 5w rating. U/W various test sets.	Bruno NY Ind Inc 135-3905	WL-59-1635	MIL-B-9560 USAF	P/O AN/USM-68
CN-608()/U CN-608/U	Variable Attenuator	100 to 4000Mc; 0 to 100db ±1%. Input and output Z: 50Ω 0.5w rating. Inductive type.	General Radio Co 874-GA	SESA-59-2690		P/O AN/UPM-110
CN-609/FCC	Variable Attenuator	382.5 to 3145cps, 0 to 40db ±5%. Input and output Z: 600Ω. Input level +6dbm to -24dbm.	Warren Mfg Co 2056.641-1	N-59-Y-2928		P/O AN/FCC-3C AN/FCC-7C
CN-610/URM-101	Fixed Attenuator	960 to 1215Mc; 30db. Input and output Z: 50Ω. 0.25w max input and 1w output. Resistive unbalanced "Pi" network.	Radio Receptor Corp 116A-304838	N-60-ah-5	MIL-T-21050	P/O AN/URM-101
CN-662()/FPS CN-662/FPS	Variable Attenuator	dc to 60Mc; 0 to 19db ±50%. Input and ouput Z: 50Ω. 1w rating. Resistive unbalanced "Pi" network.	Bendix Radio N650908-1	WL-60-1423	MIL-M-26449	P/O OA-2782/FPS
CN-673/U	Variable Attenuator	Provides attenuation from 0 to 50db over the frequency range of 8.2 to 12.4kMc where necessary for power measurement.	Hewlett-Packard X-382A	SESA-60-2226		
CN-688/GPM-45	Variable Attenuator	500 to 2500cps, 0 to 80db ±1%. Variable Z: 0.5w rating. Unbalanced ladder type.	Scientific Atlanta PM-3	SESA-50-2440		P/O AN/GPM-45
CN-705()/U	Variable Attenuator	A precision variable waveguide attenuator from 0 to 40db over the frequency range: 26.5 to 40kMc.	PRD Electronics	SIMSA-60-173		
CN-706()/U	Variable Attenuator	Attenuator used in making filters. 0 to 100db range and dc to 500Mc frequency response.	Mechanitron Corp N-601	SIMSA-60-174		
CN-710()/U	Variable Attenuator	To attenuate signal voltages from 0 to 110db in steps of 1db at an input and output impedance of 50Ω.		ORDBA-0299		

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CN-711()/U	Variable Attenuator	To attenuate signal voltages from 0 to 110db in steps of 1db at an input and output impedance of 90Ω.		ORDBA-0300		
CN-713()/U CN-713/U	Variable Attenuator	8.2 to 12.4kMc, 0 to 20db; ±1db from 0 to 10db and ±2db from 10 to 20db. 0.5w rating. VSWR: 1.15 or less.	NDL Inc VA X-738	SIMSA-60-205		U/W AN/APS-94 AN/MPQ-29
CN-718/U	Variable Attenuator	Comprises 4 non-interlocking push buttons which control losses of 1,2,3 and 4db, so attenuation from 0 to 10db in 1db increments can be obtained. dc to 225Mc frequency response.	Daven Co	N-60-X-2356		
CN-719/U	Variable Attenuator	Comprises 4-non interlocking push buttons which control losses of 10,20,20db so that attenuations from 0 to 70db in 10db increments can be obtained frequency response: dc to 225Mc.	Daven Co	N-60-X-2357		
CN-720/U	Variable Attenuator	Comprises 4 non interlocking push buttons which control losses of 2,4,6, 8db, so attenuations from 0 to 20db in 2db increments can be obtained. 225Mc frequency response.	Daven Co	N-50-X-2358		
CN-761()/U	Variable Attenuator	Used in decreasing signal output of UHF converter for noise measurements. Frequency response: 0 to 225Mc. Attenuation range: 0 to 80db.	Daven Co	SIMSA-61-109		U/W AN/TRC-80
CN-762()/U	Variable Attenuator	Used to decrease RF and IF signals while performing test required to repair Radio Set AN/SRC-80. Attenuation range: 0 to 10db frequency response: dc to 4000Mc.	Empire Devices Prod	SIMSA-61-124		U/W AN/TRC-80
CN-764()/U	Variable Attenuator	Used to decrease RF and IF signals while performing tests required to repair Radio Set AN/TRC-80. Attenuation range: 0 to 60db. Frequency response: dc to 4000Mc.	Empire Devices Prod	SIMSA-61-125		U/W AN/TRC-80
CN-795()/U	Variable Attenuator	Waveguide type. Frequency response: 8.2 to 12.4kMc. Attenuation range: 45db.	PRD Electronics	SIMSA-61-261		U/W AN/DPN-62
CN-796()/U	Variable Attenuator	Used to provide low output signals and to attenuate signals in the range: 0 to 101db. Frequency response: 0 to 500Mc.	Kay Electric Co 30-0	SIMSA-61-263		U/W AN/DPN-62
CN-802()/U	Variable Attenuator	Waveguide type. 100db attenuation continuously variable. Frequency range: 8.2 to 10kMc.	PRD Electronics	SIMSA-61-303		U/W AN/APS-94()
CN-803()/U CN-803/U	Variable Attenuator	dc to 500Mc, 0 to 100db ±10% to 200Mc ±15% to 500Mc. Input and output Z: 70Ω. Resistive unbalanced "Pi" type.	Measurements Corp M601	EMSA-63-4		
CN-832()/ASM-85 CN-832/ASM-85	Fixed Attenuator	5 to 1 voltage ratio 10%. Measures the output voltage of attenuator RT-547/ASQ-19 on a scope.	Collins Radio 522-6042-004	N-62-W-178	MIL-H-15362B (AER)	P/O AN/ASM-85
CN-844()/USM-161 CN-844/USM-161	Fixed Attenuator	1 to 10kMc, 7db; -0.8, +0.5db. Input and output Z: 50Ω. 5w rating. Resistive, transmission type. Extends power handling of TS-1776/USM-161&().	Gen Microwave Corp N101-7	SIMSA-62-193		P/O AN/USM-161
CN-845()/USM-161 CN-845/USM-161	Fixed Attenuator	1 to 10kMc, 10db; -1.2, +0.7db. Input and output Z:50Ω. Calibrated frequencies provided. Extends power handling of TS-1776/USM-161&().	Gen Microwave Corp N101-10	SIMSA-62-191		P/O AN/USM-161
CN-874/GSW-4T2	Jack Assembly Tip Attenuator	0 to 25db in 5db steps. Input and output Z: 600Ω 3 attenuators, 28 test jacks.	Boeing Airplane Co 25-31821-20	WDD-62-4519		P/O OA-4075/GSW-4T2
CN-893/U	Fixed Attenuator	1 to 12.4kMc. Input and output Z: 50. For field service testing.	Weinschel Eng Co 210-10	N-62-T-1675		P/O AN/GRM-38
CN-894/U	Fixed Attenuator	2 to 12.4kMc. Input and output Z: 50Ω. For field service testing.	Weinschel Eng Co 210-20	N-62-T-1676		P/O AN/GRM-38
CN-895()/ARM-69	Fixed Attenuator	dc to 1kMc; 20 ±0.5db. Input and output Z: 52.5Ω 0.5w max rating. Matches impedance between SG-66/ARM-5 and CV-1336()/ARM-69.	Aircraft Radio Corp 28842-0020	SIMSA-62-406		P/O AN/ARM-69()
CN-900()/URM-103	Fixed Attenuator	20 to 100Mc; 6±0.5db. 25Ω output Z: 0.5w rating IF termination attenuator. (Unbalanced "LR" type).	Adler Electronics	SEL-62-229	MIL-(HCD-543)	P/O AN/URM-103()
CN-901()/URM-103	Fixed Attenuator	20 to 100Mc; 6±0.5db. Output Z: 50Ω.).5w rating. Low RF attenuator (resistance type.)	Adler Electronics	SEL-62-230	MIL-(HCD-543)	P/O AN/URM-103()
CN-902()/URM-103	Fixed Attenuator	20 to 100Mc; 6±0.5db. Input Z: 50Ω. 0.5w rating. High RF termination attenuator (8 unbalanced "T" resistive type).	Adler Electronics	SEL-62-231	MIL-(HCD-543	P/O AN/URM-103()
CN-908/U	Variable Attenuator	3.95 to 5.95kMc; 0 to 50db ±2% or 0.1db SWR less than 1.15 insertion loss at zero less than 1db.	Hewlett-Packard G382A	N-62-T-2168		
CN-912/USM-174	Fixed Attenuator	0.1 to 4kMc; 25±0.5db. Input and output Z: 50Ω. 4w avg and 2kw peak ratings. Resistive Type.	Control Electronics C20085-1	N-62-X-2413	SHIPS-T-3241	
CN-913/USM-174	Fixed Attenuator	4 to 8.2kMc; 25±0.5db. Input and output Z: 50Ω. 4w avg and 2kw peak rating. Resistive type.	Control Electronics C20083-1	N-62-X-2414	SHIPS-T-3241	
CN-914/USM-174	Fixed Attenuator	8.2 to 12.4kMc; 25±0.4db. 4w avg and 2kw peak ratings VSWR: 1.25:1 max. Waveguide type.	Control Electronics C20060-1	N-62-X-2415	SHIPS-T-3241	P/O AN/USM-174
CN-915/USM-174	Fixed Attenuator	12.4 to 18kMc; 25±0.4db. 4w avg and 2kw peak ratings VSWR: 1.25:1 max. Waveguide type.	Control Electronics C20056-1	N-62-X 2416	SHIPS-T-3241	P/O AN/USM-174
CN-916/USM-174	Fixed Attenuator	18 to 26.5kMc; 25±0.4db. 4w avg and 2kw peak ratings. VSWR: 1.25:1 max. Waveguide Type.	Control Electronics C20058-1	N-62-X 2417	SHIPS-T-3241	P/O AN/USM-174
CN-927/SRC-16	Variable Attenuator	2 to 30Mc; 0 to 90db ±20%. Input and output Z: 50Ω. 2w rating. Provides automatic steps in response to coded signals. Resistive type.	Collins Radio 522-3124-005	N-62-Y-2761		P/O OA-4623/SRC-16
CN-928()/TRT CN-928/TRT	Variable Attenuator	7.05 to 10kMc; 0 to 50db ±0.1db or ±2% of reading. 10w rating, VSWR: 1.15 max. Waveguide type.	FXR Inc W164A	CRC-62-133	MIL-A-27919	P/O OA-4641/TRT-15 OA-4643/TRT-16
CN-947()/USM-181	Impedance Matching Attenuator	50cps to 560kc; 110db in 1db steps dc to 1Mc. Z: 135/600/900Ω and bridging (10k) center tapped. Output Z: 135/600 and 900Ω center tapped.	Hewlett-Packard 355A	EMSA-63 78		P/O AN/USM-181()

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CP-37()/UD CP-37/UD	Radiac Computer-Indicator	Gives a count of received radioactive radiation pulses. Has loudspeaker for aural monitoring, outlet for oscilloscope. Resolving time less than 5μsec up to 200k pulses per minute; input sensitivity 250mv.	Tracerlab Inc	USN		P/O AN/UDR-6 AN/UDR-6A
CP-38()/UD CP-38/UD	Radiac Computer-Indicator	Gives count of received radiation in pulses/minute. Scale: 64cpm. Resolving time: 5μsec. Has provision for 600 to 1500v GM tube.	Instrument Dev Labs 161	USN		
CP-39()/UD CP-39/UD	Radiac Computer-Indicator	0 to 100/500/1000/5000cpm. U/W underwater radiac detector for which it supplies 300v.	Victoreen Inst Co X-325	USN		P/O AN/UDR-2() U/W DT-21()/UD
CP-40()/PD CP-40/PD	Radiac Computer-Indicator	0 to 10r/24 hours in 4 ranges. Accepts pulses from DT-14()PD, DP-17()/PD, or DP-18()/PD and indicates amount.	Sylvania Electric Co	USN	CS-705 (NAVY BuShips)	P/O AN/PDR-1()
CP-41()/PD CP-41/PD	Radiac Computer-Indicator	Cancelled 9 November 1948. Superseded by IM-31/PDR-8.		USN		P/O AN/PDR-8()
CP-42()/UDR-3 CP-42/UDR-3	Radiac Computer	Receives, amplifies, and computes electrical pulses from DT-22()/UDR-3 and DT-23()/UDR-3.		USN		P/O AN/UDR-3() U/W DT-22()/UDR-3, DT-23()/UDR-3, ID-241()/UDR-3
CP-43()/UDR-1 CP-43/UDR-1	Radiac Computer - Indicator	Indicates alpha particles detected. Resolution loss: 0.2% at 5000cpm; 0.4% at 10,000cpm.	Instrument Dev Labs	USN		P/O AN/UDR-1() U/W DT-24()/UDR-1
CP-44()/UDR-4 CP-44/UDR-4	Radiac Computer	Amplifies, shapes, and scales electrical pulses from DT-26()/UDR-5.		USN		P/O AN/UDR-4()
CP-45()/UDR-5 CP-45/UDR-5	Radiac Computer - Indicator	Amplifies electrical pulses from DT-27()/UDR-5 to operate indicator and loudspeaker.	Clinton Eng Works	USN		P/O AN/UDR-5() U/W DT-27()/UDR-5
CP-46()/PDR-9 CP-46/PDR-9	Radiac Computer - Indicator	Provides visual indication of radiation radioactivity detected by DT-28()/PDR-9. 0 to 0.2/2/20/200r/hour.		USN		P/O AN/PDR-9() U/W DT-28()/PDR-9
CP-54()/UD CP-54/UD	Radiac Computer - Indicator	Accepts inputs from various detectors. Counts with absolute accuracy up to 130,000pps. Resolution: 5μsec; sensitivity: 0.25v; scaling factors: 10/100/1000; max capacity: 9,999,999 counts. Has 600 to 1500v power supply for detectors.	Potter Inst Co 2092	USN		
CP-59()/UDR-7 CP-59/UDR-7	Radiac Computer-Indicator	Measures and indicates in counts per minute the number of beta or gamma ionizations occurring in detector. 0 to 200cpm ±3% and 1/3/10/30/100 times multiplication.	Radiation Counter Labs	USN		P/O AN/UDR-7
CP-60()/UD CP-60/UD	Radiac Computer-Indicator	Computes rate of radiation pulses received from Geiger Mueller tube type radiac detector. Ranges: 5/50/500/5000pps.	Eltronics Inc RM-4	USN		
CP-61()/UD CP-61/UD	Radiac Computer-Indicator	Computes rate of radiation pulses received from Geiger Mueller tube type radiac detector. 0 to 9999 counter plus 1/2/4/8/16 and 32 count interpolation lights.	El-tronics Inc LS-64	USN		
CP-69()/UD CP-69/UD	Radiac Computer-Indicator	Counts, indicates and registers the number of pulses received by radiac detector. Has built-in stopwatch and power for 0 to 2.5kv detector.	General Electric USN-4A1	USN		P/O AN/UDR-8()
CP-71()/UD CP-71/UD	Radiac Computer-Indicator	Produces meter deflection proportional to average rate of arrival of incoming random pulses, ±10% accuracy for counts less than 100,000/sec.	Berkeley Scientific CP-79/UD	USN	CS-1216 (NAVY)	P/O AN/UDR-9
CP-72()/UDR-10 CP-72/UDR-10	Radiac Computer-Indicator	Amplifies and counts pulses received from detector assembly; 0 to 9999 counts, 0 to 20 minutes, 5 scaling circuit channels, and 5 registers.		USN	CS-1220	P/O OA-292/UDR-10 CY-746/UDR-10
CP-74()/UM	Computer-Recorder	Computes and records wind speed from data received from radiosonde: 0 to 300 knots.		SIGGE-M		U/W AN/CRD-1() AN/GMD-1() AN/SMD-1()
CP-79()/UD CP-79/UD	Radiac Computer-Indicator	Reduces to observed counts, those random pulses produced by radiation detectors; range: 0 to 10,000 counts using 4 decades; 0 to 60 second timer.	Berkeley Scientific	USA USN	MIL-R-15209 (SHIPS)	P/O AN/UDR-9
CP-95()/PD CP-95/PD	Radiac Computer-Indicator	Computes and indicates total radiation dose absorbed by DT-60()/PD; 0 to 200/600r.	Polaroid Corp Admiral Corp 597D22	USA USN	MIL-R-16154 (SHIPS)	
CP-95A/PD	Radiac Computer-Indicator	Computes and indicates radiation received from Radiac Detector DT-60/PD. 0 to 200/600r.	Speciality Packing Co 536 Speciality Electronics 95A	USN		U/W DT-60/PD
CP-95B/PD	Radiac Computer-Indicator	Detects, computes, indicates amount of "X" or gamma radiation to which DT-60()/PD has been exposed; Range: 0 to 200 and 600r.	Universal Transistor R-11939	USN-58-b-1399	MIL-C-16154C	U/W DT-60()/PD
CP-105()/U	Frequency Propagation Computer	Predicts maximum usable radio frequency (MUF) and radio frequency of optimum transmission (FOT) between any two points for a 24 hour period.	Maxon Inst	AEL-51-142	MCREE-677 (USAF)	
CP-106()/UDR-10 CP-106/UDR-10	Radiac Computer-Indicator	Computes and indicates radiation count based on pulses received from Radiac Detectors DT-41/UDR-10 and DT-68/UDR-10.	General Electric W106J99	USN		P/O OA-292/UDR-10
CP-112()/BEQ-1	Radiac Computer-Indicator	Computes and indicates radiation level of reactor area; range: 0.02 to 10 mr/hour. Visual alarm for radiation exceeding predetermined level.		USN		P/O OA-333()/BEQ-1
CP-113()/BEQ-1	Radiac Computer-Indicator	Computes and indicates radiation level of boiler; Range: 2 to 20,000n/cm^2/sec.		USN		P/O OA-333()/BEQ-1

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CP-114()/BEQ-1	Radiac Computer-Indicator	Computes and indicates radiation level of boiler room; Range: 10 to 5000 N/cm^2/sec.		USN		P/O OA-333()/BEQ-1
CP-115()/BEQ-1	Radiac Computer-Indicator	Computes and indicates radiation level of steam separator; Range: 2 to 1000mr/hour.		USN		P/O OA-333()/BEQ-1
CP-116()/BEQ-1	Radiac Computer-Indicator	Computes and indicates radiation level of sea water chests; Range: 2 to 1000mr/hour.		USN		P/O OA-333()/BEQ-1
CP-117()/BEQ-1	Radiac Computer-Indicator	Computes and indicates radiation level of bilge; Range: 1 to 500r/hour.		USN		P/O OA-333()/BEQ-1
CP-118()/BEQ-1	Radiac Computer-Indicator	Computes and indicates radiation level of boiler room; Range: 2 to 1000mr/hour.		USN		P/O OA-333()/BEQ-1
CP-119()/BEW-1	Nupac Data Computer	Provides dc output voltage proportional to reactor power level and reactor period.	Westinghouse-Pittsburgh E-535003	USN		P/O OA-335()/BEW-1
CP-120()/BEW-1	Nupac Data Computer	Measures values of radioactivity; receives signal from AM-650()/BEW-1 and puts out recorder signal.	Westinghouse Electric E-535006	USN		P/O OA-335()/BEW-1
CP-121()/BEW-1	Nupac Data Computer	Provides dc output voltage proportional to reactor power level; power required; 115vac ±0.05% at 840cps single phase and 150va; 120v at 60cps, 50va; and 800vdc at 2ma.	Westinghouse Electric E-535009	USN		P/O OA-336()/BEW-1
CP-123()/BEW-1	Power Data Computer	Provides signal proportional to power level and variable level scram signal to bias MA-2 in power channels.	Westinghouse-Pittsburgh E-535014	USN		P/O C-1009()/BEW-1
CP-139()/PD CP-139/PD	Radiac Computer-Indicator	Counts pulses received from radiological detector and indicates and registers the total number of counts in given time period; register reads 0 to 999,999; timer reads from 0 to 1000 and 20,000.	Berkeley Scientific 2000	SCL-12007		P/O AN/MDQ-1()
CP-140()/PD CP-140/PD	Radiac Computer-Indicator	Measures rate of random radiations from radioactive materials; contains loudspeaker. Meter Ranges: 0 to 200/600/2000/6000 and 20,000 counts per minute.	General Radio Co	SCL-12008		P/O AN/MKQ-1()
CP-157()/APQ-13T1A CP-157/APQ-13T1A	Navigational Computer	Computes range and bearing information and transmits it to components in the trainer.	Transducer Corp 301	AEL-52-226		P/O OA-209/APQ-13 T1A
CP-159()/APG-T1A CP-159/APG-T1A	Altitude Computer	Motor driven mechanism which converts dc voltage (altitude information) into shaft velocity. P/O Radar Set Adapter Kit MK-86/APG-T1A.	Transducer Corp 344	USA AEL-52-324		U/W AN/APG-T1A
CP-160()/APG-T1A CP-160/APG-T1A	Azimuth Computer	Motor driven mechanism which converts dc voltage into shaft velocity. Shaft operates the azimuth direction of pen on plotting board.	Transducer Corp 342	AEL-52-326		U/W AN/APG-T1A
CP-161()/APG-T1A CP-161/APG-T1A	Navigational Computer	Motor driven mechanism which converts dc voltage into ac voltage. Receives simulated aircraft data and computes true airspeed.	Transducer Corp 341	AEL-52-328		U/W AN/APG-T1A
CP-162()/APG-T1A CP-162/APG-T1A	Azimuth Computer	Motor driven mechanism which converts ac voltage into shaft velocity.	Transducer Corp 343	AEL-52-333		U/W AN/APG-T1A
CP-163()/APG-T1A CP-163/APG-T1A	Navigational Computer	Motor driven mechanism which converts rectangular coordinates into polar coordinates. Output fed to radar set of AN/APG-T1A.	Transducer Corp 345	AEL-52-345		U/W AN/APG-T1A
CP-178()/UD	Radiac Computer-Indicator	Used for analytical measurements with most radiological detectors; scale selector: 0 to 1000; counter: 0 to 999,999 units; count rate meter: 250 to 1,000,000cpm in 8 ranges; timer: 0 to 999.0 seconds.		USA SCLE-444C		
CP-223A/UM	Humidity-Temperature Computer	Computes temperature and relative humidity from data transmitted by various radiosonde equipments.		SESA-60-2156		
CP-225()/BEQ-2 CP-225/BEQ-2	Nupac Computer-Indicator	Accepts pulses from neutron preamplifier and produces output current which is known function of neutron flux existing at detector location; 1 to 10,000 counts/sec.	GE-Schenectady	USN		P/O AN/BEQ-2()
CP-275/BEQ-1A	Radiac Computer-Detector	Collects, detects, computes level of airborne beta activity in area being monitored. Uses scintillator and photomultiplier.		USN 1343		P/O AN/BEQ-1A
CP-279()/ASQ-22 CP-279/ASQ-22	Program Unit Computer	Controls AN/ASQ-22(V). Provides video amplifiers insuring proper system operation.	G L Martin	AEL-55-513	WCLR-294	P/O OA-1031/ASQ-22
CP-290()/ASN-7 CP-290/ASN-7	Magnetic Variation Computer	Automatically computes magnetic variation in any part of the world within 70° North or South latitued limits. Type number changed from CP-290/ASN-6().	Ford Instrument Co	AEL-55-858		P/O AN/ASN-7 AN/ASN-7A
CP-290A/ASN-7	Magnetic Variation Computer	Provides automatic computation of magnetic variation in any part of the world within 70° North or South latitude limits.	Ford Instrument Co 76-043	AEL-60-448	MIL-C-255282	P/O AN/ASN-7 AN/ASN-7A
CP-295()/ALQ-T1 CP-295/ALQ-T1	Navigational Computer	Computes range and azimuth to three simulated radars using mechanical shafts and cams.	Melpar Inc 612236	AEL-55-885		P/O AN/ALQ-T1

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CP-297()/UD CP-297/UD	Radiac Computer-Indicator	Counts 0 to 2.56 million and shows elapsed time to 999.99 minutes for random speed pulses received from Geiger-Mueller or scintillation counters or similar devices.	Nuclear-Chicago Corp Nuclear Electronics	N-59-b-2663	SHIPS-C-3040	
CP-304()/BDQ-1 CP-304/BDQ-1	Radiac Computer-Indicator	Counts radiation pulses up to 1000mr/hour and displays on meter-indicator.	Airborne Inst Lab 3097-20F6	USN	SHIPS-R-1921	P/O AN/BDQ-1
CP-305()/BDQ-1 CP-305/BDQ-1	Radiac Computer-Indicator	Counts thermal neutron density rate. Range: 10 to 10,000 thermal neutrons per sq cm per sec.	Airborne Inst Lab 3097-30F6	USN	SHIPS-R-1921	P/O AN/BDQ-1
CP-306()/BDQ-1 CP-306/BDQ-1	Radiac Computer-Detector-Indicator	Detects, counts and indicates beta and gamma radiation; gamma: 50kev or greater; beta: 0.2mev or greater; meter: 1x10-8 to 1x10-5 microcuries per cc.	Airborne Inst Lab 3097-10F6	USN	SHIPS-R-1921	P/O AN/BDQ-1
CP-310()/FST-2 CP-310/FST-2	Electronic Counter-Shift Register	Utilizes approximately 300 printed circuit cards to perform electronic counting and storage by shift register cards.	Bur Dra 34920	CRC-56-127		P/O AN/FST-2
CP-320()/DPQ-4 CP-320/DPQ-4	Program Unit	Decoding and memory device operating on programmed signals received from film magazine unit containing reference film.	Goodyear Aircraft 406A-524-010-100	AEL-57-R-480		P/O AN/DPQ-4
CP-335()/APN-102 CP-335/APN-102	Frequency Tracker Computer	Puts out voltages proportional to ground speed enabling positioning of antenna along ground track, thus determining drift.		AEL-56-688	WCLG-837	P/O AN/APN-102
CP-337/BDQ-1A	Radiac Computer-Detector-Indicator	Detects radioactive contamination of air particles in submarine spaces; meter: 1x10-9 to 1x10-6 microcuries per cc; gamma greater than 50kev; beta greater than 0.2mev.	Airborne Inst Lab 3097-11F6	USN	SHIPS-R-1921	P/O AN/BDQ-1A
CP-345/MPM-38	Electrical Counter	Measures frequency and time intervals (5 columns of 9 figures for up to 100,000 counts per sec with 5 part per million per week stability, 1MΩ input Z: 0.1 to 10sec display time and 0.2rmsv min input). For testing Type II Corporal Missile ground guidance equipment.		ORDDW-276-56	MPD-4061	P/O AN/MPM-38
CP-351()/FSG-1 CP-351/FSG-1	Problem Unit	Tests accuracy of the computer group, Battery Data OA-1408/FSG-1. Will localize the source of error if computer fails.	Martin Co 423-1552000	SESA-13574		P/O OA-1408/FSG OA-1408/FSG-1
CP-352()/FSG-1 CP-352/FSG-1	Difference Computer	Generates error correction signals transmitted to Xd and Yd stores (in Track Memory Unit 2110 Rack) whenever computed values of Xd and Yd do not agree with stored values.	Martin Co 423-5112000	SESA-13071		P/O OA-1420/FSG-1
CP-359/FSA-T1	Multiplier Assembly	Multiplies hit probability and damage expectation by factors "A" and "M" which have amplitudes set in accordance with umpire decision.	Beckman Instrument 8517-C108	USN 1613		P/O AN/FSA-T1
CP-360/FSA-T1	Hit Probability Computer	Computes probability of hitting target as function of slant range and combination weapon-type target-type data.	Beckman Instrument 8517-C107	USN 1614		P/O AN/FSA-T1 U/W AN/FSQ-T1
CP-361/FSA-T1	Range Computer	Inputs: Three synchronized input pulse trains from coordinate difference computer and power. Output: One pulse train synchronized with input; 0 to +28v, 3.75 ±0.25msec duration, and 193pps.	Beckman Instrument 8517-C106	USN 56-1615		P/O OA-1443/FSA-T1 U/W AN/FSQ-T1
CP-362/FSA-T1	Coordinate Difference Computer	Computes algebraic differences between coordinates of weapon and target for X,Y, and Z axis of three dimensional coordinate system; scales differences as function of ocean size.	Beckman Instrument 8517-C105	USN 1616		P/O AN/FSA-T1 U/W AN/FSQ-T1
CP-365/FSA-T1	Electrical Counter	Counts events per unit time in OA-1372/FSA-T1; 20 to 100,000 counts/sec.	Beckman Instrument 554BD	USN 58		P/O AN/FSA-T1
CP-371/PDR-49	Radiac Computer-Indicator	Indicates counts per minute rate of detection by external detector, ranges: 0 to 250/2500/25000cpm.	Nuclear-Chicago Corp 2112	USN 530		P/O AN/PDR-49
CP-371A/PDR-49	Radiac Computer-Indicator	Indicates counts per minute rate of detection by external detector, 0 to 25,000cpm using 3 ranges.	Nuclear-Chicago Corp	USN-59-b-1770		P/O AN/PDR-49A
CP-373()/UQS-TIC	Sonar Data Computer	Measures all variables in determining line of sound to target relative to deck plane.	Sangamo Electric Co 894339	USN-57-n-1017	SHIPS-F-2107	U/W AN/UQS-TIC
CP-380()/APG-T1A CP-380/APG-T1A	Target Kinematics Computer	Receives signals representing initial altitude and velocity of simulated fighter aircraft. Computes and supplies signals representing true airspeed, altitude above earth and similar flight characteristics.	Emerson Radio AS4503	AEL-57-797		P/O OA-1690/APG-T1A
CP-388()/FSQ CP-388/FSQ	Right Arithmetic Unit	Houses right half of arithmetic element containing registers required for execution of addition, subtraction, multiplication, and division.	IBM Corp 3046679	CRC-57-173		P/O AN/FSQ-8
CP-390-FQQ	Electrical Counter	Measures frequency of input signal; gives total or aggregate count of impulses arriving during any interval controlled by manual switching; 0 to 100,000 counts/sec.	Western Electric Co GA-10556	USN-57-n-1958		P/O AN/FQQ-1(V)2
CP-395()/FSG-1 CP-395/FSG-1	Binary Counter Unit	Will sequence once for every counter trigger input through 55 different binary code combinations.	Martin Co 423-232300	SESA-13632		P/O OA-1791/FSG-1 U/W CV-646/FSG-1 MX-2393/FSG-1
CP-400()/GRQ-2	Electronic Counter	Counts error pulses produced by the message comparator; 300 counts/sec.	Syracuse PLA7719130G1	WDD-57-323		P/O OA-1837()/GRQ-2
CP-401()/GRM-9	Pulse Delay Counter	Delays counter pulses received from MX-2429()/GRM-9.	Aircraft Armaments	WDD-57-427		P/O OA-1847()/GRM-9
CP-405()/PDR-50	Radiac Computer-Detector	Detects and indicates gamma ray values in test environment.	Electronic Products 460-219	USN-58-b-416		P/O AN/PDR-50()

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CP-406/PDR-51	Radiac Computer-Indicator	Counting range: 0 to 30,000 counts per minute meter type indicator.	Beckman Instrument 2800	N-58-b 431		P/O AN/PDR-51
CP-412/US	Stored Program General Purpose Computer	Stored program digital computer intended for rapid handling of large quantities of complex data; 32,000 word, 8μs memory, 7 registers, 2Mc clockrate.		USN-58-X-609	SHIPS-U-2542	P/O AN/USQ-17
CP-428()/G CP-428/G	Ionospheric Ray Tracing Computer	Used for high speed calculations of the effects of the earth's ionospheric and magnetic field on radio-wave propagation between the earth and a satellite, earth and a space-going vehicle, earth and a distant planet, or between points on earth.		CRC-58-164		
CP-441()/GRM-9	Electronic Counter	Electronically counts incoming pulses providing parallel binary number for exercise system. Counts up to 140pps in binary form.	GE-Syracuse PL7617770	WDD-55-306		P/O OA-1320()/GRM-9
CP-447()/FST-2A CP-447/FST-2A	Electronic Counter Shift Register	Electronic counting and storage in shift register.	Burroughs-Detroit DRB77570	CRC-58-258		P/O AN/FST-2A
CP-454()/GRM-9 CP-454/GRM-9	Digital Electronic Counter	Provides 14 digit parallel binary number output. Replaces A/D converters in crystal problem generator.	GE-Syracuse PL7308866G1	WDD-59-1		P/O OA-1320()/GRM-9
CP-467/U	Electrical Counter	Plug-in counter, driving nixie indicator over frequency range: 1Mc.	Van Norman Ind Inc 0863-07070	SESA-59-164		P/O FR-114()/U
CP-468/U	Electrical Counter	Plug-in counter, driving nixie indicator over frequency range: 100kc.	Van Norman Ind Inc 0863-07084	SESA-59-163		P/O FR-114()/U
CP-476()/FSG-1 CP-476/FSG-1	Problem Unit	Provides problems that check the accuracy of the OA-2398/FSG-1 and facilitates the adjustments necessary for the proper operation of the OA-2398/FSG-1.	Martin Co 423-6332000	SESA-13448		P/O OA-2398/FSG-1
CP-491()/FPT-2 CP-491/FPT-2	Pulse Voltage Computer	Cancelled 23 August 1960.		WL-60-C-2996		
CP-492()/FST-28 CP-492/FST-28	Electronic Counter-Shift Register	Performs the electonic counting and storage in shift register.	Burroughs-Detroit DRC 78200	CRC-59-200		P/O AN/FST-2B
CP-500()/GSM CP-500/GSM	Electrical Counter	To measure the output frequency of the range oscillator. It can also be used to measure the period of a signal.	Burroughs-Detroit DAT22159	WDD-59-R-980		P/O AN/GSQ-33 U/W SG-301/GSM
CP-500()/GSM CP-500/GSM	Electrical Counter	Measures output frequency of the range oscillator. Will also measure the period of a signal.	Hewlett-Packard 524B	WDD-60-980R		P/O AN/GSM-40
CP-508()/ALM-6 CP-508/ALM-6	Electronic Counter	Will accept signals, count them for a specified time and read out in BCD; 5 to 100,000 and 3330pps.	Hoffman Labs HLD 135-10-000-0001	AEL-59-797		P/O AN/ALM-6
CP-509()/ALM-6 CP-509/ALM-6	Electronic Counter	Accepts A B C D command to indicate (by a pulse) when a certain word is occurring; 100pps.	Hoffman Labs	AEL-59-798		P/O AN/ALM-6
CP-510()/ALM-6 CP-510/ALM-6	Test Data Evaluator	Contains the pulse circuitry necessary to perform interrogation throughout the system.	Hoffman Labs	AEL-59-803		P/O AN/ALM-6
CP-511()/ALM-6 CP-511/ALM-6	Test Data Programmer	Performs the primary gating functions, as commanded by the tape reader.	Hoffman Labs	AEL-59-804		P/O AN/ALM-6
CP-515()/GSQ-39 CP-515/GSQ-39	Electronic Counter	Counts number of digits inserted into memory.	Hoffman Labs 123-54-322-00-01	AEL-59-945		P/O OA-2216/GSQ-39
CP-516()/GSQ-39 CP-516/GSQ-39	Electronic Counter	Timing counter for spacing digits to be written on output tape machine.	Hoffman Labs 123-54-330-00-00-01	AEL-59-946		P/O OA-2216/GSQ-39
CP-517()/GSQ-39 CP-517/GSQ-39	Electronic Counter	Counter for digit order selection from care storage unit.	Hoffman Labs 123-54-341-00-00-01	AEL-59-954		P/O OA-2216/GSQ-39
CP-518()/GSQ-39 CP-518/GSQ-39	Electronic Counter	Counter for digit order selection from care storage unit.	Hoffman Labs 123-54-340-00-00-01	AEL-59-955		P/O OA-2216/GSQ-39
CP-519()/GSQ-39 CP-519/GSQ-39	Generator Counter	Timing counter for spacing words to be written on output tape machine.	Hoffman Labs 123-54-331-00-00-01	AEL-59-960		P/O OA-2216/GSQ-39
CP-520()/GSQ-39 CP-520/GSQ-39	Electronic Counter	A transistorized flip-flop counter which forms the output for display memory.	Hoffman Labs 123-54-214-0000-01	AEL-59-961		P/O OA-2215/GSQ-39
CP-521()/GSQ-39 CP-521/GSQ-39	Input Control Counter	Used to control the input data flow and address the input core memory.	Hoffman Labs 123-54-233-0000-01	AEL-59-963		P/O OA-2215/GSQ-39
CP-522()/GSQ-39 CP-522/GSQ-39	Decoder Counter	Contains part of a diode matrix which completes the decoding of the input control counter; 100 or 400pps.	Hoffman Labs 123-54-232-0000-01	AEL-59-964		P/O OA-2215/GSQ-39
CP-523()/GSQ-39 CP-523/GSQ-39	Decoder Counter	Counts binary pulses at 100 to 400cps.	Hoffman Labs 123-54-231-0000-01	AEL-59-968		P/O OA-2215/GSQ-39
CP-524()/GSQ-39 CP-524/GSQ-39	Main Address Counter	Modified binary counter which runs synchronously and develops sequentially the address in the main display memory.	Hoffman Labs 123-54-222-0000-01	AEL-59-969		P/O OA-2215/GSQ-39
CP-525()/GSQ-39 CP-525/GSQ-39	Auxiliary Address Counter	Modified binary counter which can be stepped sequentially or be set to any of a number of predetermined states.	Hoffman Labs 123-54-220-0000-01	AEL-59-970		P/O OA-2215/GSQ-39
CP-526()/GSQ-39 CP-526/GSQ-39	Buffer Address Counter	Modified binary counter which can be stepped sequentially or be set to any of a number of predetermined states.	Hoffman Labs 123-54-212-0000-01	AEL-59-975		P/O OA-2215/GSQ-39
CP-527/U	Electrical Counter	Measures frequency of input signal, gives total or aggregate count of impulses arriving during any time interval; 1,000,000 counts/sec max.	Beckman Instruments 7060AR	N-59-N-2392		P/O GS-59115 AN/FQQ-5

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CP-528/U	Electrical Counter	Provides facilities for measuring time intervals, frequency, phase shift; 100,000 counts/sec max.	Beckman Instruments 7350R	N-59-n-2393		P/O GS-57406 AN/FQQ-6
CP-529/U	Electrical Counter	Provides facilities for measuring time intervals, frequency, phase shift; 100,000 counts/sec max.	Beckman Instruments 7350R	N-59-n-2394		P/O AN/FQQ-5,7(V)
CP-532()/APG-T3 CP-532/APG-T3	Pilot Steering Error Computer	Tests ability of pilot to keep steering dot centered on "F" scope.	Emerson Radio AS4974	AEL-59-1108		P/O OA-2369/APG-T3
CP-533()/APG-T3 CP-533/APG-T3	Range Computer	Receives target video and target range gate signals.	Emerson Radio AS4982	AEL-59-1110		P/O OA-2370/APG-T3
CP-534()/APG-T3 CP-534/APG-T3	Flight Characteristics Control Computer	Computer prevents simulated fighter and bomber from exceeding performance characteristics of actual aircraft.	Emerson Radio AS5522	AEL-59-1113		P/O OA-2369/APG-T3
CP-538()/GRC CP-538/GRC	Antenna Positioning Computer	Provides facilities for computing antenna orientation. Used in communications via passive satellites.		WL-60-1062		
CP-539()/GSK-1 CP-539/GSK-1	Arithmetic Unit Computer	Arithmetic unit computer for guidance use.	Remington Rand Univac 210400	WDD-60-3312		P/O AN/GSK-1
CP-540()/U	Electrical Counter	Mechanical counter oscillator receiver. Range: 2 to 32Mc; oscillator offset: 1.6Mc fixed above receiver.	Manson Labs	N-60-Y-269		
CP-541()/U	Electrical Counter	Mechanical counter oscillator receiver. Range: 2 to 32Mc; oscillator offset fixed at 0.375Mc above transmitter.	Manson Labs	N-60-Y-270		
CP-542()/FPS-26 CP-542/FPS-26	Digital Electronic Counter	Electronically counts discrete electrical impulses which are proportional to the noise figure for units 16 and 17.	Crosley 743033	WL-60-1441	MIL-R-9691A (USAF)	P/O AN/FPS-26 OA-2700/FPS-26
CP-543()/FPS-26 CP-543/FPS-26	Digital Electronic Counter	Electronically counts discrete electrical impulses which are proportional to the noise figure for units 16 and 17.	Crosley 743041	WL-60-1442	MIL-R-9691A (USAF)	P/O OA-2700/FQS-26 AN/FPS-26
CP-571/USQ-20	Computer Arithematic Unit	Cancelled 18 February 1961.		N-61-X-213		
CP-572/USQ-20	Computer Arithematic Unit	Cancelled 18 February 1961.		N-61-X-214		
CP-573()/TYA CP-573/TYA	Parity Rate Counter	Counts messages with and without parity errors; provides indication when errors exceed predetermined percentage of the total.	Western Electric Co GS-61009	SIMSA-60-2527		P/O AN/TYA-13(V)
CP-573A/TYA	Parity Rate Counter	Same description as CP-573/TYA. Subassemblies differ.	Western Electric Co GS-61009A	SIMSA-61-4345		P/O AN/TYA-13(V)
CP-574/SPS-39A	Command Signal Computer	Provides analog function voltage generation and data stabilization.	Hughes Aircraft Co 555108-100	N-60-b-1441	SHIPS-R-3906	P/O AN/SPS-39A
CP-584/ASA	Memory Unit Computer	Stores two separate positions in rectangular coordinate form. Contains summing circuits and two independent servos, each servo positioning either of two output potentiometers to provide an output equal to the sum of two input voltages.	Litton Industries 850000	N-60-Q-1859		U/W OA-1768/ASA-13
CP-585/ASQ-T2	Astro-Tracking Computer	Simulates operation of Astro-Tracking System used in ASQ-42V radar system on B58A Aircraft.	Curtiss Wright	AEL-60-1100		P/O AN/ASQ-T2
CP-586/ASQ-T2	Airspeed and Altitude Computer	Master airspeed and altitude computer for trainer system.	Curtiss Wright	AEL-60-1101		P/O AN/ASQ-T2
CP-587/ASQ-T2	Stabilization Data Computer	Unit computes the stabilization and rudimentary flight parameters required by the trainer.	Curtiss Wright	AEL-60-1102		P/O AN/ASQ-T2
CP-588/ASQ-T2	Heading Computer	Unit computes simulated heading information required by the trainer system.	Curtiss Wright	AEL-60-1103		P/O AN/ASQ-T2
CP-589/ASQ-T2	Navigational Computer	Unit computes simulated fix point, aim point, and steering data for trainer operation.	Curtiss Wright	AEL-60-1104		P/O AN/ASQ-T2
CP-590/ASQ-T2	Present Position Computer	Computes error corrections for simulated aircraft in both true and transverse coordinates.	Curtiss Wright	AEL-60-1105		P/O AN/ASQ-T2
CP- 591/ASQ-T2	Ballistic Position Computer	Computes true and transverse position parameters. Also contains digitizer circuitry to maintain coincidence between present position and radar position.	Curtiss Wright FSE-4-057A	AEL-60-1106		P/O AN/ASQ-T2
CP-598()/DJW-11 CP-598/DJW-11	Missile Guidance Computer	Airborne computer used for control and guidance computations. Prior to flight, used in ground operation modes: target load and verify, accelerometer calibrate, and monitor, gyro drift test, flight simulation, steering test, target select and verify, and memory.	AC Spark Plug 7852412	WDD-62-6616		
CP-599()/DPQ-4 CP-599/DPQ-4	Program Unit	Functions as a decoding and memory device to supply information to guidance set.	Goodyear Aircraft 406A524-034-101	AEL-60-1334		P/O AN/DPQ-4
CP-600A/ALQ-53(V)	Digital Data Analyzer	Same as Digital Data Analyzer CP-600/ALQ-53(V) except for digital conversion of AGC voltage.	Loral Electronics 127189-000	N-61-W-154		P/O AN/ALQ-53(V)
CP-605()/FSA-12 CP-605/FSA-12	Auxiliary Data Processor	Provides the necessary facilities to evaluate information from other units and accept or reject this information for storage by predetermined criteria.	General Electric 7314151G1	WL-60-4413		P/O OA-3255/FSA-12

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CP-606()/FSA-12 CP-606/FSA-12	Video Signal Data Quantizer	Provides the facilities necessary to receive signal data from two or more sources, and quantize them into a single response equal in magnitude to the measured number of incoming signals.	General Electric 7314167G1	WL-60-3662		P/O OA-3263/FSA-12
CP-612()/GG	Electrical Counter	Provides means for counting and recording all traffic transmitted and received in automatic and semi-automatic relay centers.	Western Apparatus Co WC-6	SEA-61-303		U/W AN/FGC-30
CP-616/U	Digital Electronic Counter	Electronic counter for indicating output frequency of a sideband exciter, or synthesizer frequency.	Manson Labs Proj- 14508	N-61-Y-864		P/O AN/URA-39(V)
CP-634/FQA-4(V)	Electrical Counter	Provides facilities for measuring frequency from 20cps to 10Mc. Used for calibration of frequency generating equipment, frequency stability measurements, and monitoring of signals.	Western Electric Co G-330485 Beckman/Berkeley 7170	N-61-n 1433		P/O OA-3452/FQA-4(V)
CP-635/FRA	Electrical Counter	Counts periodic and random events and displays the total in a digital read-out.	Hewlett-Packard 521	N-61-Y-1492		P/O OA-3368/FRA
CP-642B	Digital Data Computer	Capable of tactical data programming. Includes arithmetic, control and storage units. Differs from CP-642/USQ-20(V) and 642A in that operating speed is increased 2 times and in that 2 channels have been added.	Univac 4051212	N-62-y-2602		P/O AN/USQ-20(V)
CP-666()/TYA-13(V) CP-666/TYA-13(V)	Message Counter	Generates an output pulse capable of driving up to 6 DT-251/TYA-13(V) for every 64, 128 or 256 input pulses (optional selection). Includes MX-3980/TYA and MX-3982/TYA-13(V).	Western Electric Co SM-D-368824	SIMSA-61-4348		P/O AN/TYA-13(V)
CP-688/FQM	Electrical Counter	10,000,000 counts per sec. Gives total count of input pulses during any time interval.	Beckman/Berkeley 7170	N-62-N-1646		P/O AN/FQM-3 AN/FQM-4 AN/FQM-5
CP-695()/ASB-12 CP-695/ASB-12	General Purpose Digital Computer	Performs computations required for alignment and operation of the autonavigator subsystem and navigation of the aircraft to selected destinations.	Autonetics 61835-501	NW-62-47		P/O AN/ASB-12
CP-696()/UD	Radiac Computer Indicator	Meter type indicator; 1 to 1000 rads gamma or x-ray; 5 to 1000 rads fast neutrons. Reads 200 gamma-neutrons individual dosimeters per hour.		SEL-62-301	SCL-4507	U/W DT-236()/PD
CP-697()/FLR-9(V) CP-697/FLR-9(V)	Digital Electronic Counter	Determines basic timing for beam identification system. Has ability to switch system to slower rate for checkout. Input: 10kc, 5msec pulse train; output: 32 lines binary information.	Sylvania Products 02-725257-1	WL-62-3654		P/O AN/FLR-9(V)
CP-702()/U CP-702/U	General Purpose Computer	Digital. Input and output units permit this to serve as vehicle borne guidance computer for a wide variety of missile and satellite systems.	American Bosch Arma 2-00048-591	WDD-62-508		
CP-704/FSA-T1	Analog Computer	Consists of 4 operational amplifiers and associated circuitry for inverting X, Y and Z coordinates computing delta Z.		N-62-Y-2374		P/O OA-1443/FSA-T1
CP-719()/GYK-4	Digital Data Computer	General purpose. 3Mc synchronous type. Operates on 48 bit fixed point numbers, 36 bit mantissa, 12 bit exponent floating point numbers or alpha numeric words of eight 6 bit characters. Uses magnetic film. Has self-contained power supply and control panel.	Burroughs-Paoli Buc7-2400-501	WL-62-6078		P/O AN/GYK-4
CP-720()/USQ-28 CP-720/USQ-28	Digital Data Computer	Input: 3333pps, 5 to 13 bits variable, 16 bits digital to digital. Output: 100pps, 64 bits max, 35 bits nominal. Provides recording, storage and processing functions for the airborne equipment of the AN/USQ-28.	Nortronics	AEL-62-915		P/O AN/USQ-28
CP-725()/GLR-1 CP-725/GLR-1	Digital Electronic Counter	Counts input pulses and delivers count to visual indicators.	Gen Dynamics/Elec 666129-679	WL-62-5785		P/O OA-4683/GLR-1 OA-4706/GLR-1
CP-726()/GLR-1 CP-726/GLR-1	Digital Electronic Counter	Counts input pulses and delivers count to visual indicators.	Gen Dynamics/Elec 666129-694	WL-62-5784		P/O OA-4683/GLR-1 OA-4706/GLR-1 OA-4680/GLR-1 OA-4705/GLR-1 OA-4707/GLR-1 OA-4681/GLR-1
CP-728()/GLR-1 CP-728/GLR-1	Digital Electronic Counter	Counts input pulses and delivers count to visual indicators.	Gen Dynamics/Elec 666129-695	WL-63-1168		P/O OA-4771/GLR-1
CP-730()/GLR-1 CP-730/GLR-1	Digital Electronic Counter	Counts pulses and delivers count to visual indicator.	Gen Dynamics/Elec 666129-680	WL-63-1169		P/O OA-4771/GLR-1
CP-740()/UYK-1(V) CP-740/UYK-1(V)	Digital Data Computer	High speed random access core memory machine. Executes 54 separate primary command elements and 22 secondary options. Requires 118vac ±1% at 60 or 400cps 1 phase or uses self-contained motor alternator set.	Thompson-Ramo-Wool 40018807	N-63-Y-482		P/O AN/UYK-1(V)
CP-1122()/FSA-23 CP-1122/FSA-23	Digital Analog Converter	Converts digital signals from the Data Processing Group OA-3223/FSA-23 into analog form.	General Electric 731-3262G1	WL-60-3898		P/O AN/FSA-23
CP-5011/FSQ-T501(V)	Digital Computer	Provides logical, mathematical and storage facilities for control of the system, and for computation of absolute and relative positions of targets and models.	Packard-Bell PB250	RCN-239		P/O OA-5064/FSQ-T501(V)

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CU-20/APN	Impedance Adapter	Provides impedance ratio of 50 to 72Ω. Permits use of TS-10/APN with AYB-1, AYD and AYD-1.				
CU-57/AP	Directional Coupler Assembly	"S" band frequency. 100kw peak pulsed power. Provides means of monitoring transmission power and frequency.	Western Electric Co	ARL-3832	D-152037	U/W TS-3/AP P/O AN/APG-1
CU-60/AP	Directional Coupler Assembly	"S" band frequency, 100kw peak pulsed power. Provides connection so that TS-3/AP can measure transmitter power output and frequency.	Western Electric Co	ARL-3887	D-152036	U/W TS-3/AP P/O SCR-720-B,D
CU-75/TSM-1	Coupling Unit	P/O AN/TSM-1 (in series with oscillator tube). Increases coupling capacity between grid and plate by 5mmf. Used for coupling when testing receiver crystals.		SCL		P/O AN/TSM-1
CU-80()/U CU-80/U	Coupling Head	50 to 100Mc. Couples AT-122/U to TS-326/U. Resistive.		USAF ARL-48-320		P/O TS-326/U
CU-88/TRA-16	Oscilloscope Adapter	Permits use of TS-149()/TRC-6 with AN/TRA-16(). Sweep rates of 4.0 to 4.1kc when driven by 320kc signal. Rates are selectable.		SCL-5109A	471-3237	P/O AN/TRA-6() AN/TRA-16() U/W TS-149()/TRC-6
CU-89/UP	Directional Coupler	Inserted as part of transmission line near xmitter and has jack to be an RF test point.		USN		U/W MK-12
CU-96/UP	Coupling Unit	Used to match 17Ω impedance of signal generator to load Z=300Ω. Contains 1 each: 18Ω, 300Ω resistors and one 12mmfd condenser.		CESL		P/O AN/MPM-2
CU-102/U	Matching Network	Used in making sensitivity checks on sonobuoy equipment by matching audio generator to sonobuoy input.	Geophysical Services	USN		P/O AN/URM-1() U/W AN/CRT-4()
CU-108/UP	Test Line Assembly	Provides suitable RF coupling for test purposes.	Peter Petroff	ESL-3478-A	71-2454 SigC	P/O SCR-584-()
CU-108A/UP	Test Line Assembly	2.7 to 2.9kMc, down 35.0db. VSWR 1.2 or less. Used for RF test purposes. Similar to and one-way interchangeable with CU-108/UP.		USAF WL-55-1530		
CU-127/UP	Directional Coupler	"k" band frequencies, down 20db +0.5db. Used for test purposes.	Aircraft Radio Corp B-12440	USN		P/O TS-223()/AP
CU-130/UP	Test Line	250kw peak and 500w avg ratings Z=51Ω. Used for RF test purposes. Contains line stretchers.		WL-45-598		P/O SCR-534-()
CU-136/UP	Bi-directional Coupler	Wave guide connector 90° E bend side outlets. Approximately 20db loss.	Aircraft Radio Corp 11002	USN		P/O TS-299()/UP
CU-149()/URM-3 CU-149/URM-3	Coupler	150kc to 42Mc. Input Z=5KΩ, output Z=50Ω. Resistance capacitance coupling.	Dynamic Electronics 10576	SCLC-8903	MIL-T-10645	P/O AN/URM-3()
CU-150()/URM-3 CU-150/URM-3	Coupler	150kc to 42Mc. Input Z=500Ω, Output Z=50Ω. Resistance capacitance coupling.	Dynamic Electronics 10577	SCLC-8904	MIL-T-10645	P/O AN/URM-3()
CU-151()/URM-3 CU-151/URM-3	Coupler	150kc to 42Mc, input and output Z=50Ω. Resistive unbalanced "LL" network.	Dynamic Electronics 10578	USA SCLC-10169	MIL-T-10645	P/O AN/URM-3()
CU-152()/URM-3	Coupler	Cancelled.		USA SCLC-8998		
CU-152A/URM-3	Coupler	150kc to 42Mc down 20db ±5%. Input Z=50Ω, output Z=5Ω Resistive "LL" network.	Dynamic Electronics 10579	USA SCLC-10170	MIL-T-10645	P/O AN/URM-3()
CU-153()/URM-3 CU-153/URM-3	Coupler	150kc to 42Mc. Input and output Z=50Ω. Resistance-capacitance coupling.	Dynamic Electronics 10580	USA SCLC-10281	MIL-T-10645	P/O AN/URM-3()
CU-155()/U CU-155/U	Antenna Coupler	110 to 220kc. Matches receiver to vertical antenna for greater sensitivity. Adjustable for heights.	Washington Institute	USN		P/O TS-635()/UP
CU-175/U	Directional Coupler	Couples to direct or reflected power. Compensation washers can keep SWR and insertion loss to 0.5db.	Airadio Corp AS-3595	USN		P/O TS-373/UP
CU-176()/U CU-176/U	Impedance Matching Network	Cancelled 17 December 1948.		USAF ARL-48-0599		P/O TS-413/U
CU-184()/URM-6 CU-184/URM-6	Impedance Matching Network	Matches 50Ω signal generator output to input of AN/URM-6. Range 15kc to 250kc.	Stoddart Aircraft 90081-3 80014	USN	CS-779, 1189	P/O AN/URM-6
CU-185()/URM-6 CU-185/URM-6	Impedance Matching Network	Matches 20Ω signal generator output to input of AN/URM-6. Range 15 to 250kc.	Stoddart Aircraft 90081-2 80014	USN	CS-779 1189	P/O AN/URM-6
CU-186()/URM-6 CU-186/URM-6	Impedance Matching Network	Matches signal generator to AN/URM-6. Range 15 to 250kc.	Stoddart Aircraft 90081-1 80014	USN	CS-779 1189	P/O AN/URM-6
CU-195()/PRM-1 CU-195/PRM-1	Impedance Matching Network	Used to match signal generator to AN/PRM-1. Range 150kc to 25Mc.	Stoddart Aircraft 90305-1	USN	CS-804 (Navy)	P/O AN/PRM-1
CU-196()/PRM-1 CU-196/PRM-1	Impedance Matching Network	Matches 20Ω signal generator output to input of AN/PRM-1. Range 150kc to 25Mc.	Stoddart Aircraft 90305-2	USN	CS-804 (Navy)	P/O AN/PRM-1
CU-197()/PRM-1 CU-197/PRM-1	Impedance Matching Network	Matches 50Ω signal generator output to input of AN/PRM-1. Range 150kc to 25Mc.	Stoddart Aircraft 90305-3	USN	CS-804 (Navy)	P/O AN/PRM-1
CU-218()/PRM-2	Antenna Coupler	Couples AT-226/PRM-6 to AB-173/PRM-2. Capacitive.	Harvey Radio Labs 208B-ZC3	WL-45-1886		P/O AN/PRM-2
CU-220()/TRM-1 CU-220/TRM-1	Radio Frequency Coupler-Detector	200kc to 400Mc. Adjustable degree of coupling. Removable adaptor to facilitate connection to either coaxial or open wire transmission system.	Trad Television Corp 102-C-472	USN		P/O AN/TRM-1

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CU-224()/U CU-224/U	Directional Coupler	Provide suitable RF coupling for test purposes in various radar and radio equipment. Down 33db ±1.5db.		WL-45-2059		
CU-225()/U CU-225/U	Directional Coupler	1130 to 1350Mc. Provides suitable RF coupling for test purposes in various radar and radio sets.		USA WL-52-R-1762		
CU-227()/URM-17 CU-227/URM-17	Impedance Matching Network	Matches signal generator output to input of AN/URM-17. Range: 375Mc to 1kMc. Input Z=20Ω, output Z=50Ω.	Stoddart Aircraft 10221	USN	CS-1028	P/O AN/URM-17
CU-246()/U	Directional Coupler	Cancelled 23 February 1951. Superseded bu WL-51-R1221.		WL-51-C1227		
CU-247()/U	Directional Coupler	Cancelled 23 February 1951.		WL-51-C1229		
CU-248()/U	Directional Coupler	Cancelled 23 February 1951.		WL-51-C1230		
CU-249()/U	Directional Coupler	Cancelled 23 February 1951.		WL-51-C1231		
CU-250()/U	Directional Coupler	Cancelled 23 February 1951.		WL-51-C1226		
CU-251()/U	Directional Coupler	Cancelled 23 February 1951.		WL-51-C-1228		
CU-261()/TSM-6 CU-261/TSM-6	Antenna Coupler	Couples challenging pulse energy of test set to listening sonobuoy's beacon antenna and FM video and RF energy from sonobuoy's xmitter to test set.	Hazeltine Electronics A-8062			P/O AN/PSM-6
CU-297/U	Directional Coupler	2.7 to 2.9Mc, down 37.5db. VSWR 1.1 or less. Used to help obtain SWR and power measurements.	Airtron Inc 47735	WL-58-R-1768		P/O OA-357/FPS-6 OA-2037/FPS-6A OA-2039/FPS-6B
CU-342()/URM CU-342/URM	Radio Frequency Coupler Detector	25 to 175Mc, 5 to 40w, Z=50Ω. Couples known amount of radio frequency energy to standing wave indicator.		USA AEL-52-505	WCER-129	U/W ME-78/URM
CU-343()/URM CU-343/URM	Radio Frequency Coupler Detector	Same description as CU-342/URM&() except 40 to 320w.		USA AEL-52-506	WCER-129	U/W ME-78/URM
CU-344()/URM CU-344/URM	Radio Frequency Coupler Detector	Same description as CU-342/URM&() except 175Mc to 1kMc frequency range.		USA AEL-52-507	WCER-129	U/W ME-78/URM
CU-345()/URM CU-345/URM	Radio Frequency Coupler Detector	Same description as CU-342/URM&() except 175Mc to 1kMc and 40 to 320w.		USA AEL-52-508	WCER-129	U/W ME-78/URM
CU-346()/URM CU-346/URM	Radio Frequency Coupler Detector	Same description as CU-342/URM&() except 0.9 to 2.5kMc frequency range.		USA AEL-52-509	WCER-129	U/W ME-78/URM
CU-347()/URM CU-347/URM	Radio Frequency Coupler Detector	Same description as CU-342/URM&() except 0.9 to 2.5kMc frequency range and 40 to 320w.		USA AEL-52-510	WCER-129	U/W ME-78/URM
CU-348()/URM CU-348/URM	Radio Frequency Coupler Detector	Same description as CU-342/URM&() except 2.36 to 4.2kMc and no power rating.		USA AEL-52-511	WCER-129	U/W ME-78/URM
CU-349()/APS-25	Directional Coupler	9375Mc ±30Mc, down 20db ±0.2db, VSWR 1.1 or less.	Technicraft Labs Inc B7554	USA USN	MIL-R-7056 (Aer)	P/O AN/APS-25
CU-353()/TSM-6A CU-353/TSM-6A	Antenna Coupler	162.25 to 173.5Mc. Input Z=100Ω Output Z=100Ω (RF) and 500Ω (video). Also same description as CU-261/TSM-6.	Hazeltine Electronics A-14636	USA USN		P/O AN/TSM-6A
CU-354()/MPQ-12 CU-354/MPQ-12	Directional Coupler	2700 to 2965Mc down 25db. Has calibrated chart. Provides a test point for finding output signal power.	Reeves Inst 108008	USA SCLE-4810	MIL-R-11120A	P/O AN/MPQ-12()
CU-364()/APM-73	Impedance Matching Network	Matches 75Ω line to a 250Ω line. For matching signal generator to inputs of IF or AFC amplifiers.	Sperry Gyroscope Co	USN		U/W AN/APQ-51 P/O AN/APM-73
CU-367()/TRD-10 CU-367/TRD-10	Antenna Coupler	Used to match Direction Finder Set AN/TRD-10 to antenna AS-681/TRD-10 and provides sensing voltages.	Elec of Clearfield J-202	USA FMSA-62-3105	MIL-D-11113B	P/O AS-681/TRD-10
CU-406/URM-25F	Impedance Matching Network	10kc to 50Mc, input Z=50Ω, output Z=500Ω. Matches receiver to signal generator.	New London Inst Co 162-B-163	USN		P/O AN/URM-25F
CU-407/URM-25F	Impedance Matching Network	Cancelled 7 August 1954 and reassigned as Electrical Dummy Load DA-109/URM-25F.		USN		
CU-410/URM-25E	Impedance Matching Network	dc to 50Mc, 10:1 voltage attenuation. Input Z=50Ω. output Z=70Ω. 0.5w max. Resistive unbalanced "Pi".	Havrey-Wells Elec C-90B1358-502	USN	MIL-R-15281 Amend 6	
CU-411/URM-25E	Impedance Matching Network	Same description as CU-410/URM-25E except no voltage attenuation.	Harvey-Wells Elec B-90B1495-501	USN	MIL-R-15281	
CU-449()/U CU-449/U	Signal Generator Coupler	dc to 30Mc down 20db. Input and output Z=50Ω. 0.1w max.		USAF AEL-54-957		
CU-452()/U CU-452/U	Signal Generator Coupler	dc to 500Mc, down 20db. Input and output Z=50Ω. 0.1w max. Connects signals from two 50Ω sources to one 50Ω load. 40db seperation between sources.		USAF AEL-54-959		
CU-453()/FPS-14 CU-453/FPS-14	Directional Coupler	2.7 to 2.9kMc. VSWR 1.1 or less. Means of sampling antenna's reflected energy and xmitter's direct energy.	Bendix Radio	WL-54-2063	EXH: AFCRC-6	P/O AN/FPS-14

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CU-455()/URM-87 CU-455/URM-87	Directional Coupler	2 to 4.2kMc, down 40db±1.5. Calibration curve supplied. VSWR 1.2 (primary line) and 1.5 (secondary line) or less. Similar to CU-333/URM-60.	Airtron Inc	USAF AEL-54-1165	EXH: WCE-345	P/O AN/URM-87
CU-504()/URM-91 CU-504/URM-91	Impedance Matching Network	18 to 125Mc. Resistive coupling. Matches a test generator to a radio receiver.	Telectro Ind Inc TN-291	USA SCLM-1251		P/O AN/URM-91() U/W IM-117()/URM-91
CU-507()/FPS-14 CU-507/FPS-14	Signal Generator Coupler	Has impedance matching networks which can match a 70Ω/50Ω/90Ω input to a 90Ω output. Insertion losses are 7 and 10db ±20%. Operating frequency=30Mc.		USAF CRC-55-211		P/O AN/FPS-14
CU-528()/U	Directional Coupler	1 to 4kMc, down 20db. VSWR 1.05 or less. Provides for sampling RF energy and power in a waveguide.	FR Machine Works	WL-56-1345	RADC-1817	
CU-542/URM-41	Antenna Coupler	Matches loop antenna to input of AN/URM-41 equipment.	Stoddart Aircraft 91184-1	USN		P/O AN/URM-41
CU-549()/TPS-1D CU-549/TPS-1D	Directional Coupler	For echo box operation and other radar performance tests. Frequency 1220 to 1350Mc.	Raytheon YC-2634-11376-1	SIMSA-62-2259		P/O MK-304()/TPS-1D
CU-556()/FPS-6 CU-556/FPS-6	Directional Coupler	2.7 to 2.9kMc down 18db. VSWR 1.5 at 2.7kMc. Couples noise from noise generator into waveguide system for noise figure measurements.	General Electric PL7610853G1	WL-56-1861	MIL-R-26838A	P/O OA 357/FPS-6
CU-556()/FPS-6A CU-556/FPS-6A	Directional Coupler	Same description as CU-556/FPS-6&().	General Electric PL 7610853G1	WL-58-R-1804	MIL-R-26838A USAF	P/O OA-2037/FPS-6A OA-2039/FPS-6B
CU-597()/FPS-7 CU-597/FPS-7	Directional Coupler	Bidirectional type. Coupling loss 50db. VSWR 1.6:1. Used for sampling forward and reflected power.	General Electric A7039450P1	WL-56-2498	RADC-2383	P/O AN/FPS-7
CU-606()/GPS CU-606/GPS	Directional Coupler	Couples radio frequency noise from waveguide to Monitor Radio Frequency ID-636/GPS&(), so that the noise signal can be expressed in decibels.	Airborne Inst Lab 3720-60E1	WL-57-R-1552	RADC-2417	P/O AN/FPS-27,20A AN/GPS-4
CU-633()/URM-7 CU-633/URM-7	Antenna Coupler	20 to 400Mc input and output Z=50Ω. Resistive: an unbalanced injection block coupling AS-922/URM-7 to R-854/URM-7.	Molded Insulation 1011-53	SESA-57-1193		P/O AN/URM-7
CU-670()/FPT-4 CU-670/FPT-4	Directional Coupler	50 to 600Mc. VSWR 1.02 or less. Permits a test point for measuring klystron input power.	MC Jones Elec Co 576N2	WL-58-1310		P/O OA-1673/FPT-4
CU-671()/FPT-4 CU-671/FPT-4	Directional Coupler	470 to 890Mc down 0.0022db. VSWR 1.02. Permits test point for measuring klystron output power.	MC Jones Elec Co 358D10047-5	WL-58-1311		P/O OA-1673/FPT-4
CU-673/U	Directional Coupler	Used for making VSWR measurements of Antenna AS-835/MPQ-4A when inserted into a test setup.	Hewlett-Packard P-572C	SIMSA-62-217		P/O AN/MPM-49 U/W AN/MPQ-4A
CU-718()/DRW-10 CU-718/DRW-10	Antenna Assembly Coupler	For testing and checking missile guidance system by coupling maximum amount of RF energy to and from ground test set with a minimum amount of external RF leakage.	General Electric 7728629G1	WDD-59-98R		U/W AN/DRW-10(V)
CU-720()/TRM-7 CU-720/TRM-7	Antenna Coupler	Used to match AT-886/TRM-7 and AT-887/TRM-7&() to Radio Interference Field Intensity Meter IM-150/TRM-7&().	Polarad Electronics C128153	AEL-59-R-574		P/O AN/TRM-7
CU-721()/TPN-12 CU-721/TPN-12	Directional Coupler	9 to 9.16kMc, down 25±1db. VSWR 1.1 or less. Permits sampling of RF energy in waveguide run.	Airtron Inc	WL-58-2073	MIL-R-9616 USAF	P/O AN/TPN-12
CU-733/APS-80(V)	Directional Coupler	Provides for sampling or inserting small amounts of RF energy.	Airtron Inc 405276-1	N-61-W-641	MIL-R-21113 (Aer)	P/O AN/APS-80(V)
CU-735/SPS-5C	Directional Coupler	5450 to 5825Mc, down 20db. VSWR 1.1 at 5465Mc. Used to aid in calibrating.	Raytheon 3433	N-59-b-472	SHIPS-F-3039	P/O AN/SPS-5C,D
CU-739/SP	Directional Coupler	215 to 225Mc down 40db. VSWR 1.05. Bidirectional. Differentiate between and measure RF incident and reflected voltages.	Westinghouse Electric 339C103	USN-59-b-545		P/O AN/SPS-37,37A 43,43A
CU-742()/FPN-34 CU-742/FPN-34	Directional Coupler	1280 to 1350Mc down 56±1db. VSWR 1.2 or less. Gives an RF source for magnetron frequency calibration.	Bendix Radio R650786-2	WL-59-1132		P/O AN/FPN-34
CU-743()/FPN-34 CU-743/FPN-34	Directional Coupler	1280 to 1350Mc, down 56±0.4db. VSWR 1.2 or less. Measures incident and reflected power and noise figure.	Bendix Radio R650729-2	WL-59-R-1460		P/O AN/FPN-34
CU-753/URM-120	Coupler Detector	2 to 30Mc. Can be rotated 180° to sample reflected or incident power. Couples coax to wattmeter.	Sierra Electronics 270-30	USN-59-Q-983		P/O AN/URM-120
CU-754/URM-120	Coupler Detector	25 to 250Mc. Can be rotated 180° to sample reflected or incident power. Couples coax to wattmeter.	Sierra Electronics 181-250	USN-59-Q-984		P/O AN/URM-120
CU-755/URM-120	Coupler Detector	0.2 to 1kMc. Otherwise same description as CU-754/URM-120.	Sierra Electronics 181-1000	USN-59-Q-985		P/O AN/URM-120
CU-783()/APW-22 CU-783/APS-22	Directional Coupler	To be placed in the waveguide between the Command Guidance Data Transponder Set AN/APW-22 and the drone antenna. Will provide an output signal to a test set.	Sperry Gyroscope Co 2375389	AEL-59-640		P/O AN/APW-22
CU-790()/FPS-30 CU-790/FPS-30	Directional Coupler	This unit connects in the transmission line and provides means of sampling or injecting power in either direction.	Bendix Radio R658779-1	CRC-59-291		P/O AN/FPS-30
CU-796()/TPS-25 CU-796/TPS-25	Bias Supply-Coupler	Couples output of signal generator to output of crystal mixer in IF strip of receiver for alignment purposes; also biases IF strip while alignment is being made.	Hazeltine Electronics A22372	SESA-59-268		U/W AN/TPS-25()
CU-802()/GKA-5 CU-802/GKA-5	Directional Coupler	Provides following detected samples: output signal of transmitter to power monitor; radio frequency of output signal of transmitter for excitation of RF monitor; and a sample of reflected power.	Radio Corp of Amer 8315803-501	WL-59-2154	MIL-F-9678A	P/O OA-2538/GKA-5
CU-804()/ARN-65 CU-804/ARN-65	Range Data Coupler Module	Automatically and continuously supplies information on distance of TACAN Receiver-Transmitter from a TACAN surface beacon to remote indicators. Similar to but not interchangeable with range portion of CU-395/ARN-21A.	John Oster Mfg Co 9805-31	AEL-59-1212	EXH: WCLN-58-2	P/O AN/ARN-65(V)

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CU-805()/ARN-65 CU-805/ARN-65	Coupler Module-Azimuth Data	Supplies information concerning bearing from TACAN Receiver-Transmitter to TACAN surface beacon to remote indicators. Similar to but not interchangeable with azimuth portion of Coupler Indicator CU-395/ARN-21A.	John Oster Mfg Co 9805-33	AEL-59-1213	WCLN-58-2 EX. C	P/O AN/ARN-65(V)
CU-807/FPN-42	Antenna Coupler	Provides matching of transmitter output stages to transmitting antenna. Contains resistive dummy load to terminate transmitter for test purposes. Frequency: 85 to 115kc.	Sperry Gyroscope Co 1501476	N-60-ac-160		P/O AN/FPN-41
CU-817()/FRT-49 CU-817/FRT-49	Directional Coupler	Samples incident and reflected signals in RF output transmission line and provides meter indication of either signal level. Frequency: 222 to 400Mc.	Internat'l Tel & Tel 1053728	WL-60-1242	MIL-T-26439	P/O OA-2630/FRT-49
CU-821()/FPS-26 CU-821/FPS-26	Impedance Matching Network	Matches impedance from data generator to the waveform monitor, the RF amplifier, and performance monitor console.	Crosley 743840	WL-59-2220	MIL-R-9691A (USAF)	P/O AN/FPS-26
CU-823()/FPS-61	Directional Coupler	Inserted into waveguide to provide suitable test outlet. Frequency: 1250 to 1350Mc.	Raytheon YC 3826-5005G1	SEL-60-157		P/O AN/FPS-61() MK-496()/FPS-36
CU-824()/FPS-61 CU-824/FPS-61	Directional Coupler	Inserts into waveguide run of radar set to provide test input from Directional Main Coupler CU-823/FPS; also provides waveguide to coaxial transition connection of RF signals from antenna in 1250 to 1350Mc frequency range.	Raytheon YD-3826-5010G1	SEL-60-158		P/O MK-678/FPS-61 AN/FPS-61
CU-831()/TRC-66 CU-831/TRC-66	Directional Coupler	Provides outlet for monitoring forward power from a 1kw Klystron Power Amplifier and reserve power reflected through following waveguide duplexer. Frequency: 4400 to 5000Mc.	Canadian Westinghouse 718D190G01	WL-60-1929	RADC-2541A	P/O OA-2776/TRC-66
CU-845()/FRT-49 CU-845/FRT-49	Directional Coupler	Samples the incident and reflected signals in RF output transmission line and provides VSWR reading. Frequency: 225 to 400Mc.	Internat'l Tele & Tel 1049595	WL-60-2231	MIL-T-26439	P/O OA-2630/FRT-49
CU-848()/FPS-6 CU-848/FPS-6	Directional Coupler	Provides means of coupling into line to measure the power carried in incident wave of RF transmission system. Frequency: 2700 to 2900Mc.	MC Jones Elec Co 481.7	WL-60-2713	MIL-R-26463	P/O OA-2885/FPS-6
CU-851/ALQ-23	Directional Coupler	Contained in AFC loop of AN/ALQ-23 system and provides path for sampled transmitter (ALT-2) energy. Frequency: 0.95 to 10.5kMc.	Webcor Inc G36P8560	N-60-Q-997	MIL-C-22213 (AER)	P/O OA-2911/ALQ-23
CU-852/ALQ-23	Directional Coupler	Provides sample of ALT-2 transmitter energy for AFC loop of AN/ALQ-23 system. Frequency 950 to 2375Mc.	Webcor Inc G36X-8545	N-60-Q-998	MIL-C-22212 (AER)	P/O OA-2909()/ALQ-23
CU-853/ALQ-23	Directional Coupler	Provides a sample of ALT-2 transmitter energy for AFC loop of AN/ALQ-23 system. Frequency: 2.3 to 5.0kMc.	Webcor Inc G36X8546	N-60-Q-999	MIL-C-22213 (AER)	P/O OA-2910/ALQ-23
CU-854/ALQ-23	Directional Coupler	Provides a sample of the ALT-2 transmitter energy for the AFC loop of AN/ALQ-23 system. Frequency: 7.25 to 10.6kMc.	Webcor Inc G36X8556	N-60-Q-1000	MIL-C-22213 (AER)	P/O OA-2911/ALQ-23
CU-857/UP	Directional Coupler	Used to sample transmitted energy and inject test signals. Frequency: 1250 to 1350Mc.	Radio Corp of Amer 8607066-501	N-60-T-1189		P/O AN/UPS-1
CU-857A/UP	Directional Coupler	1250 to 1350Mc, down 43.5db. VSWR 1.03. Samples transmitted energy and inject test signals.	Radio Corp of Amer 8337597-1	N-62-T-788		P/O AN/UPS-1
CU-861()/U	Directional Coupler	Provides suitable test outlet. Frequency: 1250 to 1350Mc. Connects at flange termination with other waveguide transition item of radar-set and provides suitable output test points for VSWR measurement.	Raytheon YD 3965-5001G1	SEL-60-396		P/O AN/FPS-70() MK-533()/FPS-36 MK-585()/FPS-75 AN/FPS-71()
CU-866()/MLM-1 CU-866/MLM-1	Impedance Matching Coupler	A multi-channel, impedance matching device. Receives pulse modulated inputs and dc levels from test points of AN/ALD-4 and imparts them to AN/MLM-1 and vice versa. Frequency: dc to 100Mc.	Melpar Inc R526846	AEL-60-1064		P/O AN/MLM-1
CU-867()/MLM-1 CU-867/MLM-1	Impedance Matching Coupler	A multi-channel, impedance matching device. Receives pulse modulated inputs and dc levels from test points of AN/ALD-4 and imparts them to AN/MLM-1, and vice versa. Frequency: dc to 100Mc.	Melpar Inc R526847	AEL-60-1066		P/O AN/MLM-1
CU-868()/MLM-1 CU-868/MLM-1	Impedance Matching Coupler	A multi-channel impedance matching device. Receives pulse modulated inputs and dc levels from test points of AN/ALD-4 and imparts them to AN/MLM-1; and vice versa. Frequency: dc to 50Mc.	Melpar Inc R526599	AEL-60-1068		P/O AN/MLM-1
CU-869()/MLM-1 CU-869/MLM-1	Coupler-Selector	Primarily a multi-channel impedance matching device. Receives pulse modulated inputs and dc levels from test points of AN/ALD-4 and imparts them to AN/MLM-1 and vice versa. Frequency: dc to 75Mc.	Melpar Inc R526917	AEL-60-1065		P/O AN/MLM-1
CU-888A/GPN	Radio Frequency Rotary Coupler	Provides coupling between fixed and rotating: S-Band waveguide; X-Band feed; and connections. Provides scan angle for performance monitoring system.	Gilfillan Bros 92515	RONE-61-2		P/O OA-279A/GPN OA-644/MPN-11 OA-1440A/MPN-11
CU-891/URM-85	Radio Frequency Interference Coupler	Used to couple RF energy from 50Ω transmission lines to permit measurement of RF interference. Frequency: 150kc to 30Mc.	Empire Devices Prod B-6653	SIMSA-60-258		P/O AN/URM-85
CU-892/URM-85	Radio Frequency Interference Coupler	Used to couple RF energy from 500Ω transmission lines to permit measurement of RF interference. Frequency: 150kc to 30Mc.	Empire Devices Prod B-6658	SIMSA-60-259		P/O AN/URM-85
CU-896/URM-85	Radio Frequency Interference Coupler	Used to couple RF energy in 20 to 1000Mc freq. range, from 50Ω transmission lines to radio interference measuring set.	Empire Devices Prod B-6654	SIMSA-60-277		P/O AN/URM-85
CU-897/URM-85	Radio Frequency Interfence Coupler	Used to couple RF energy in 20 to 1000Mc frequency, from 500Ω transmission lines to radio interference measuring set.	Empire Devices Prod B-6657	SIMSA-60-278		P/O AN/URM-85

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CU-900()/APN-146 CU-900/APN-146	Antenna Coupler	Couples and matches receiver-transmitter to antennas. Also included is a fixed length of delay line and calibration relay for calibration and self test of altimeter. Frequency: 4300±10Mc.	Bendix Pacific Corp	AEL-60-1372		P/O AN/APN-146
CU-935()/DRM CU-935/DRM	Antenna Coupler	Used to couple RF energy into and out of missile instrumentation Beacon Set AN/DRS-2 during test. Frequency: 8000 to 9500Mc.	General Electric 7729070G1	WDD-61-152		U/W AN/DRS-2
CU-944()/CPN-18C CU-944/CPN-18C	Directional Coupler	Designed to be inserted into a transmission line, or waveguide to provide suitable test outlet. Frequency: 2700 to 2900Mc.	Bendix Corp N680393-1	RONE-61-42		P/O AN/CPW-18
CU-957()/DRM CU-957/DRM	Antenna Coupler	Used to couple RF energy into and out of missile instrumentation Beacon Set AN/DRS-2(V) during test. Frequency: 800 to 9500Mc.	General Electric Co 7729118G1	WDD-61-182		U/W AN/DRS-2(V)
CU-958/DRM	Antenna Coupler	8 to 9.5kMc. 50kw max rating. Couples RF energy into and/or out of AN/DRS-2(V) during test.	General Electric 7729070 G2	WDD-61-183		U/W AN/DRS-2(V)
CU-984()/APS-104 CU-984/APS-104	Directional Coupler	Injects test signals into RF sum and RF difference channels of interconnecting waveguide to make receiver noise factor measurements and relative gain measurements.	Autonetics 47334-506	AEL-61-669		P/O AN/APS-104
CU-988/DRM	Antenna Coupler	Used to couple RF energy into and out of Missile Instrumentation Beacon Set AN/DRS-2(V) during test.	General Electric 7729070G2			U/W AN/DRS-2(V)
CU-987/GRC-110AX	Directional Coupler	For measuring VSWR of transmission system. Frequency: 2 to 30Mc.	Collins Radio 542-4116-004	N-61-T-1832		P/O AN/GRC-110AY
CU-993()/UPX-14 CU-993/UPX-14	Directional Coupler	Provides suitable test outlet from transmission line for frequency and power measurements. Frequency: 1010 to 1110Mc.	Budd Electronics D-22-118	WL-61-3259	MIL-I-26471	P/O OA-3607/UPX-14
CU-994()/TRC-66 CU-994/TRC-66	Impedance Matching Network	Used to allow a signal generator to feed a test signal at IF frequency into a balanced input of AM-2251/TRC-66 amplifier. Frequency: 60 to 80Mc.	Westinghouse Electric TBS	WL-61-3130		U/W AN/TRC-66
CU-1000()/APM-176	Antenna Coupler	Used to couple RF intelligence from Radar Test Set AN/APM-176() to Radar Navigation Set AN/APN-129(V) and vice versa.	RMS Associates Inc 187-B	SIMSA-61-499		P/O AN/APM-176()
CU-1002()/ASQ-68 CU-1002/ASQ-68	Directional Coupler-Thermal Noise Generator	Generates random excess noise and couples it into receiver of AN/APS-103. Samples and detects transmitted and reflected RF power.	Airborne Inst Lab 145413-1	AEL-61-878		P/O AN/ASQ-68
CU-1003()/ASQ-68 CU-1003/ASQ-	Directional Coupler-Thermal Noise Generator	Generates random excess noise and couples it into receiver of AN/APS-103.	Airborne Inst Lab 145414-1	AEL-61-879		P/O AN/ASQ-68
CU-1044/USM-116	Impedance Matching Network	Used with Radio Frequency Cable Adapter UG-1447/USM-116 to permit voltage measurements in unterminated short coaxial lines.	Hickok Electrical Inst 18599-2	N-62-X-392		P/O AN/USM-116
CU-1045()/DR CU-1045/DR	Assembly Antenna Coupler	Used to couple RF energy into and out of Missile Guidance Set AN/DRW-25(V) and Missile Instrument Beacon Set AN/DRS-2(V) during test.	General Electric 7641969G1	WDD-62-1		U/W AS/203/DR
CU-1046()/DR CU-1046/DR	Antenna Coupler	Used to couple RF energy into and out of Missile Instrument Beacon Set AN/DRS-2(V) and Missile Guidance Set AN/DRW-25(V) during test.	General Electric 77296229G1	WDD-62-2		P/O AT-1088/DR
CU-1065/FRT-61	Directional Coupler	Provides test outlets for checking forward and reflected RF power in transmission line between output of Radio Transmitting Set AM/FRT-61 and antenna tuning housing. Frequency: 50 to 150kc.	Continental Electronic D-41450	N-62-Y-741		P/O AN/FRT-61
CU-1085/GPN	Directional Coupler	For measuring incident or reflected power and injecting a calibrated noise signal for determining noise figure.	Hazeltine Electronics 102832	N-62-b-1302	SHIPS-F-3261H	P/O AN/MPN-5 AN/FPN-28
CU-1086/GPN	Directional Coupler	For measuring incident or reflected power and injecting a calibrated noise signal for determining noise figure.	Hazeltine Electronics 102833	N-62-b-1303	SHIPS-F-3261H	P/O AN/MPN-5 AN/FPN-28
CU-1090()/DR CU-1090/DR	Duplexer	Seperates 2 channel frequencies (5 and 8 pulse) so that the test set can perform its function.	General Electric 7729465G2	WDD-62-13		U/W AN/DRS-2(V) AN/DRW-25(V)
CU-1110/SPS-51	Directional Coupler	7.05 to 10kMc, down 26db. VSWR 1.05 at 9500Mc bidirectional, aids in measuring xmitter forward and reflected power and frequency and receiver sensitivity.	Douglas Microwave 173B-1	N-62-ac-2164		P/O AN/SPS-51
CU-1123()/TRC-66 CU-1123/TRC-66	Impedance Matching Network	60 to 80Mc. Input and output Z=50Ω. Permits matching of AN/TRC-66 to the test equipment.	Westinghouse Electric 490D520G01	WL-62-4569		P/O AN/TRC-66
CU-1124()/TRC-66 CU-1124/TRC-66	Impedance Matching Network	Same description as CU-1123/TRC-66 except output Z: 90Ω.	Westinghouse Electric 490D89G01	WL-62-4600		P/O AN/TRC-66
CU-1137()/GRT-12 CU-1137/GRT-12	Directional Coupler	2.0 to 29.999Mc. VSWR 2:1 transmission line type.	Republic Electronics 3610149	WL-62-4900	MIL-T-27097	P/O OA-4513/GRT-12
CU-1148()/FPS-30 CU-1148/FPS-30	Directional Coupler	560 to 640Mc, down 20db. VSWR 1.1:1. Transmission line type. Bidirectional.	Bendix Corp 0652097-1	CRC-62-142		U/W AN/FPS-30
CU-1160()/ASA-48 CU-1160/ASA-48	Test Signal Coupler-Compensator	Connects and electrically balances test points and connectors on RT-542/ASQ with MX-4740/ASA-48.	Collins Radio 522-6064-006	NW-62-681		P/O MX-4739/ASA-48
CU-1161()/ASA-48 CU-1161/ASA-48	Test Signal Coupler Compensator	Same description as CU-1160/ASA-48 except RT-541/ASQ instead of RT-542/ASQ.	Collins Radio 522-6065-006	NW-62-682		P/O MX-4739/ASA-48
CU-1162()/ASQ-48 CU-1162/ASA-48	Test Signal Coupler Compensator	Same description as CU-1160/ASA-48 except KY-308/ASQ instead of RT-542/ASQ.	Collins Radio 522-6067-006	NW-62-683		P/O MX-4739/ASQ-48

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
CU-1163()/ASA-48 CU-1163/ASA-48	Test Signal Coupler Compensator	Same description as CU-1160/ASA-48 except AM-2310/ASQ instead of RT-542/ASQ.	Collins Radio 522-6068-006	NW-62-684		P/O MX-4739/ASA-48
CU-1164()/ASA-48 CU-1164/ASA-48	Test Signal Coupler Compensator	Same description as CU-1160/ASA-48 except KY-309/ASQ instead of RT-542/ASQ.	Collins Radio 522-6066-006	NW-62-685		P/O MX-4739/ASA-48
CU-1166/FPS-37A	Direction Coupler	1280 to 1350Mc, down 30db forward and 40db reflected VSWR 1.05:1. Samples RF power in main line.	General Electric 77C704719P1	N-62-b-2717	SHIPS-M-4212	P/O AN/FPS-37A
CU-1184()/GLR-1 CU-1184/GLR-1	Signal Generator Coupler	Couples signal generator output to far field antenna and the receiver multicoupler.	General Dynamics/Elec 666129-740	WL-62-5828		P/O OA-4740/GLR-1
CU-1209()/TRC-66A CU-1209/TRC-66A	Directional Coupler	4.4 to 5kMc, down 40 to 70db. VSWR 1.05:1. Permits monitoring of klystron forward power and reverse power.	Radio Receptor Corp 7389542	WL-63-1479		P/O OA-4844/TRC-66A
CU-1212()/APS-94 CU-1212/APS-94	Directional Coupler	9235 to 9255Mc. VSWR: 1.05:1 at 9245Mc main line and 1.35:1 at 9245Mc secondary line.	Motorola Inc 258-33510	EMSA-63-145		P/O MK-652/APS-94
CU-5038/ARC-552	Directional Coupler	This unit provides coupling for testing facilities in the transmission line. Frequency 225 to 400Mc.	Collins Radio 522-1925-004	RCAF-1211		P/O AN/ARC-552A
CU-5042/MPS	Directional Coupler	Provides facilities for checking minimum discernible signal (MDS) in receiving system of Radar Set AN/MPS-505.		CA-419		U/W AN/MPS-505

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CV-452()/FST-2 CV-452/FST-2	Digital to Analog Height Converter	Converts 8 bit data to an analog voltage via electron tube controlled relays switching a resistive ladder network. Contains a dc voltage regulator.	Burroughs Corp DRA-34759	CRC-56-R-308		P/O AN/FST-2
CV-456()/FST-2 CV-456/FST-2	Digital to Analog X-Y Converter	Converts two 10 bit groups of data to two analog voltages via electron tube controlled relays switching resistive ladder networks.	Burroughs Corp DRA-34789	CRC-56-R-309		P/O AN/FST-2
CV-457()/FST-2 CV-457/FST-2	Digital to Analog Azimuth Range Converter	Converts a 10 bit and a 12 bit set of data to two analog voltages via constant current electron tubes driving resistive ladder networks.	Burroughs Corp DRA-34788	CRC-56-R-310		P/O AN/FST-2
CV-622()/GSQ-33 CV-622/GSQ-33	Digital to Analog Converter	Accepts binary information from CP-409/GSQ-33 and converts it into analog voltage which is fed to AM-1927/GSQ-33.	Burroughs Corp 28-08	WDD-57-1055		
CV-632()/GRM-9	Digital to Analog Converter	Converts 8 digit binary weighted information to an equivalent analog voltage. Maximum voltage 30vdc.	General Electric PL7614725	WDD-57-137		P/O OA-1689()/GRM-9
CV-633()/GRM-9	Digital to Analog Converter	Compares two 8 digit binary numbers to dc and supplies the synchronizing pulses for the digital analog converter drawers.	General Electric PL7614729G1	WDD-57-138		P/O OA-1689()/GRM-9
CV-674/FPS-16X	Digital to Analog Converter	Furnishes indication to console. Modular construction 72 and 93Ω input/output.	Radio Corp of Amer 8602585-501	USN-58-Q-338		P/O AN/FPS-16X
CP-696()/UP	Radiac Computer Indicator	Meter type indicator; 1-1000rads gamma or x-rays; 5-1000rads fast neutrons. Reads 200 gamma-neutrons individual dosimeters per hours.		SEL-62-301	SCL-4507	
CV-699/ASB-7	Analog to Digital Converter	This unit accepts 400Ω analog voltages corresponding to drift velocity and heading velocity, from the ground speed computer.	Ryan Aeronautical Co 114S0001-1	N-58-Q-936		P/O AN/ASB-7
CV-710/U	Analog to Digital, Digital to Analog Converter	Input: ±25v fs. Output: ±10v. Digital may be serial or parallel. Conversion time: 5μsec/bit of 14bits for A to D and 5μsec for D to A. Rel accuracy ±0.005%. U/W data processing and handling system.	Packard-Bell M-2	N-58-X-1182		
CV-716()/DRR-1 CV-716/DRR-1	Digital to Analog Converter	Cancelled 30 April 1959.		AEL-59-C-220		
CV-724()/U	Analog to Digital Converter	Accepts signal (60, 400, or 800cps) from synchro control system and converts to digital (1 channel, parallel 14 bit) data showing shaft (15rpm) position.	Ford Instrument Co	N-58-X-1494		U/W AN/USQ-17()
CV-728()/U CV-728/U	Analog to Digital Converter	Input data: 4 channels; 2 synchro (1 and 36 speed). Output data: 15 bit output. Supplies data to digital computer.		N-59-X-663	MIL-16400B (SHIPS)	
CV-743()/DRR-2 CV-743/DRR-2	Digital to Analog Converter	Pulse type signals: 5000 pulses per second. Converts parallel to analog in an appropriate time sequence.	Radio Corp of Amer	AEL-60-R-92		P/O AN/DRR-2
CV-760/SS	Signal Data Converter	Converts radar data from analog to digital form, detects targets from radar units, reports target location to tracking computer and suppresses excessive radar clutter. Can send range and azimuth information.	Sperry Rand Corp 254800	N-62-Y-568		U/W AN/SPS-12 AN/SPS-34 AN/SPS-37A AN/USQ-20(V)
CV-761()/SS	Signal Data Converter	Converts radar data from analog to digital form, detects targets from radar units, reports location to computer and censors radar clutter. Can send range, elevation angle and azimuth information.	Sperry Rand Corp 265450	N-62-Y-569		U/W AN/SPS-8 AN/USQ-20(V)
CV-781()/G CV-781/G	Analog to Digital Converter	Electronic coupling from 60 to 200kc. Accepts output of analog computer and converts it into a message format to meet requirements of AN/GKA-5.		CRC-59-17		U/W AN/GKA-5 AN/GSM-3
CV-792()/DRA-5 CV-792/DRA-5	Digital to Analog Converter	Cancelled 27 May 1959. Item same as CV-791/DRA-5&().		AEL-59-C-346		
CV-793()/DRA-5 CV-793/DRA-5	Digital to Analog Converter	Cancelled 27 May 1959. Item same as CV-791/DRA-5&().		AEL-59-C-347		
CV-802/ASW-13	Digital to Analog Converter	Also provides facilities for arranging quantities of binary digital information into a prescribed sequence for transmission purposes.	Western Electric Co GS-57645	USN-59-Q-1261		P/O AN/ASW-13
CV-817()/ARR-44C CV-817/ARR-44C	Digital to Analog Converter	Dc voltages type of signals. Supplies analog output which is displayed on various indicators.	General Electric 463123-120	AEL-59-381		P/O AN/ARR-44C
CV-871()/APW-23 CV-871/APW-23	Digital to Analog Converter	Input: digital parallel data from video decoder. Output: DC voltage which is displayed on indicator panel.	Sperry Gyroscope Co 1781391	AEL-59-630		P/O AN/APW-23
CV-873/ARR-44D	Digital to Analog Converter	Used in freq. division data link subsystem to provide data link display in the 30, 60 and 200 nm sweeps by changing the 6 mile target marker scale factor voltage.	General Electric 463 123-130	AEL-59-R-1016		P/O AN/ARR-44D
CV-875()/GRQ-3 CV-875/GRQ-3	Digital to Analog Converter	Receives digital information signals from the computer and track subsystem and converts these signals to analog voltages for recorder presentation.	General Electric 7621377G1	WDD-59-457		P/O OA-2497/GRQ-3
CV-876()/GRQ-3	Digital to Analog Converter	Converts digital data from computer and track sub system into analog voltages for use in the data recorders	General Electric 7310946G1	WDD-59-458		P/O OA-2497/GRQ-3
CV-877()/ALD-3 CV-877/ALD-3	Analog to Digital Converter	Converts a dc analog voltage corresponding to direction into a binary coded decimal form.	Hoffman Labs	AEL-59-759		P/O OA-2211/ALD-3

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CV-878()/ALD-3 CV-878/ALD-3	Analog to Digital Converter	Converts the AGC signal inputs from each of the 12 receivers into binary coded decimal digit form for recording purposes.	Hoffman Labs	AEL-59-760		P/O OA-2211/ALD-3
CV-879()/ALD-3 CV-879/ALD-3	Analog to Digital Converter	Used to convert the navigational information from the synchro transmitter outputs of the AN/ASN-7A and the altitude information from the Kollsman Transducer type A3310-00-001 into BCD form suitable for recording purposes.	Hoffman Labs HLD-114-10-000-0001	AEL-59-764		P/O OA-2211/ALD-3
CV-882()/ALM-6 CV-882/ALM-6	Analog to Digital Converter	Samples 0-5v analog voltages and converts to 3 digit BCD outputs corresponding to the value of the analog inputs.	Hoffman Labs	AEL-59-799		P/O AN/ALM-6
CV-911()/DJN-2 CV-911/DJN-2	Analog to Digital Converter	Converts analog information received from the Missile Guidance Computer into suitable form for an airborne telemetry system.	American Bosch-Arma 2-00041-885	WDD-59-527		U/W CP-448()/DJN-2
CV-954/A	Analog to Digital Converter	Converts analog TACAN Range and bearing information into digital form.	Giannini Corp 553T6	N-60-Q-628		U/W AN/ASW-13 AN/ASQ-58
CV-973()/GSG CV-973/GSG	Digital to Analog Converter	Cancelled 25 August 1960.		SIMSA-60-2664		
CV-974()/GSG CV-974/GSG	Digital to Analog Converter	Cancelled 25 August 1960.		SIMSA-60-2665		
CV-975()/GSG CV-975/GSG	Digital to Analog Converter	Converts a digital word consisting of eleven digits and a sign to an equivalent analog voltage in th. range of ±4 volts.	G L Martin 623-7011000-9	SIMSA-60-2786		P/O CV-1063/GSG U/W C-3507/GSG
CV-1043()/GM	Analog to Digital Converter	A wind data converter consisting of a supervisory Display Panel and a Simulator-Calibrator capable of testing and maintaining the equipment.		SEL-60-315		U/W AN/PMQ-6()
CV-1061()/GSK-2 CV-1061/GSK-2	Digital to Analog Converter	A device whose output signal is a continuous average of a discrete input signal of predetermined form and sequence.	Burroughs Corp DJA 3346	WDD-61-R-959		P/O AN/GSK-2
CV-1063()/GSG CV-1063/GSG	Digital to Analog Converter	Converts a signed 11 digit word to ±4v analog output.	G L Martin 623-7011000	SIMSA-60-2785		P/O AN/GSG-5(V),6
CV-1090()/GSN-11 CV-1090/GSN-11	Analog to Digital Converter	An incremental stepping servo that converts control data to decimal digital readout signals.	Cook Electric Co 597-6001	CRC-60-89	EXH: AFCRC-57-6	P/O OA-3140/GSN-11
CV-1091()/SYA-3 CV-1091/SYA-3	Digital-Analog Converter	Receives, converts and releases analog to digital and digital to analog data simultaneously for usage by external media.	Remington Rand Univac 254278	N-60-W-2306		P/O AN/SYA-3
CV-1120()/GPA-73(V) CV-1120/GPA-73(V)	Digital to Analog Converter	Provides the circuitry necessary to convert digital track data into analog form for use in the associated console of consoles.	General Electric 7313393G1	WL-60-3854		P/O OA-3219/GPA-73(V)
CV-1121()/FSA-23 CV-1121/FSA-23	Digital to Analog Converter	Provides analog signals derived from digital input to the Situation Display Console OA-3224/FSA-23&().	General Electric 7314191G1	WL-60-3865		P/O OA-3223/FSA-23
CV-1122()/FSA-23 CV-1122/FSA-23	Digital to Analog Converter	Converts digital signals from the Data Processing Group OA-3223/FSA-23&() into analog form for use by the Situation Display Console OA-3224/FSA-23&().	General Electric 7313262G1	WL-60-3898		P/O OA-3227/FSA-23
CV-1124()/GSA-43 CV-1124/GSA-43	Digital to Analog Converter	Accepts digital data from OA-3182/FSA-21&() and converts it to analog sweep voltages for presentation on Performance Monitor Console.	General Electric 7313279G1	WL-60-4349		P/O AN/GSA-43
CV-1125()/GPA-73(V) CV-1125/GPA-73(V)	Digital to Analog Converter	Accepts digital information from OA-3253/GPA-73(V) and converts it to analog form for display on the Control-Indicator Group OA-3237/GPA-73(V).	General Electric 7313278G1	WL-61-R-1989		P/O OA-3422/GPA-73(V)
CV-1145()/GPA-73(V) CV-1145/GPA-73(V)	Digital to Analog Converter	Provides the circuitry necessary to convert digital track data into analog form for use in the associated console.	General Electric 7313275G1	WL-61-1192		P/O OA-3251/GPA-73(V)
CV-1150()/SPM-14	Analog to Digital Converter	Converts analog signals into equivalent digital information and transmits this information to the NARATE System Comparator.	Nortronics 2294012	N-61-X-230		
CV-1174()/G	Analog to Digital Converter	A single channel converter which accepts an analog input in the 300-3100cps range and converts them to digital signals.		SEL-61-185	SCL-4253	U/W AN/GXC-4() AN/TCC-30( )
CV-1175()/ASN-38 CV-1175/ASN-38	Digital to Analog Converter	Contains electrical and electromechanical equipment which is utilized to convert digital information into shaft positions.	Autonetics 65363-502	AEL-61-325		P/O AN/ASN-38
CV-1176()/ASN-38 CV-1176/ASN-38	Digital to Analog Converter	Contains electromechanical equipment which converts digital information into shaft position.	Autonetics 65441-502	AEL-61-326		P/O AN/ASN-38
CV-1183()/GSM-48 CV-1183/GSM-48	Analog to Digital Converter	Converts analog data from system under test into Binary-Coded form for use by signal comparator.	Bendix Aviation	AEL-61-59	MIL-P-26664A	P/O OA-3380/GSM-48
CV-1238/MSQ-28	Analog-Digital to Digital Converter	Changes analog and/or digital information into digital form. Also processes the derived data so it is suitable for use by weapons monitoring console.	Hughes Aircraft Co 502162-100	SIMSA-61-2598		P/O OA-2309()/MSQ-28
CV-1252()/GPS-T5 CV-1252/GPS-T5	Analog to Digital Converter	Converts dc height voltage from twelve target generators into a seven bit parallel binary output.	Epsco Inc TB709-RU	AEL-61-855		P/O OA-3585/GPS-T5
CV-1255/ASW-17	Analog to Digital Converter	Receives analog signals representing range north and east of fix, aircraft altitude, drift, heading and converting them to be shown as "V" scan binary digital.	Douglas Aircraft Co 7833857	AEL-61-803		P/O AN/ASW-17

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CV-1258()/ASN-24 CV-1258/ASN-24	Analog to Digital Converter	Receives analog data in synchro form and converts it to binary digital form.	Librascope Inc L200-003-463	AEL-61-895	MIL-C-27618	P/O AN/ASN-24
CV-1259()/ASN-24 CV-1259/ASN-24	Digital to Analog Converter	Receives data in binary digital form and converts it to analog synchro form.	Librascope Inc L200-003-461	AEL-61-896	MIL-C-27618	P/O AN/ASN-24
CV-1260()/ASN-24 CV-1260/ASN-24	Digital to Analog Converter	Accepts information in binary digital form and converts it to analog synchro form representing units, tens, hundreds and thousands.	Librascope Inc L200-003-465	AEL-61-897	MIL-C-27168	P/O AN/ASN-24
CV-1261()/ASN-24 CV-1261/ASN-24	Analog to Digital Converter	Accepts data in the form of a potentiometer signal and converts it to binary digital form.	Librascope Inc	AEL-61-898	MIL-C-27618	P/O AN/ASN-24
CV-1262()/ASN-24 CV-1262/ASN-24	Analog to Digital to Analog Converter	Accepts synchro data and converts it to binary data. Alternately, accepts data in binary and converts to synchro signal.	Librascope Inc L200-003-464	AEL-61-899	MIL-C-27618	P/O AN/ASN-24
CV-1263()/ASN-24 CV-1263/ASN-24	Analog to Digital to Analog Converter	Input signal dual speed 36:1 synchro signal or binary digital signal. Output, binary digital form or to a 36:1 synchro signal.	Librascope Inc L200-003-466	AEL-61-900	MIL-C-27618	P/O AN/ASN-24
CV-1264()/ASN-24 CV-1264/ASN-24	Digital to Analog Converter	Converts binary signal to a potentiometer signal.	Librascope Inc L200-003-462	AEL-61-901	MIL-C-27618	P/O AN/ASN-24
CV-1292()/ASW-21 CV-1292/ASW-21	Digital to Digital-Analog Converter	Converts digital signals to digital and analog signals. 100w of power required if aircraft control computer is not used.	Radio Corp of Amer 8316579-501	N-62-W-88		P/O AN/ASW-21
CV-1299()/FSA CV-1299/FSA	Digital to Analog Converter	Converts a variable pulse rate (digital number) into a dc signal (analog data) output.	Radio Corp of Amer 8606822-501	WL-62-1509		P/O AN/FSA-27,28,36
CV-1305()/FSA CV-1305/FSA	Digital to Analog Converter	Binary coded decimal input. Uses a stable reference voltage (20vdc) which is applied to an attenuation network whose resistance is determined by the configuration of 16 relays.	Radio Corp of Amer 8305563-501	WL-62-1821		P/O AN/FSA-27,28,36
CV-1312()/MSQ-48	Digital to Analog Converter	Converts the digital information from the computer to analog signal voltages to drive the plotting board.	ITT Federal Labs NUS-5186	AEPG-112-62	TR CSD-23-59	P/O AN/MSQ-48
CV-1319/SYA-1(V)	Analog to Digital Converter	Consists of: Synchro to digital converter which supplies digital azimuth angle input for use by the H/S console and the unit computer, and digital X & Y coordinates for use by the PPI console: Digital to Pulse Train Converter which supplies range marks for both PPI and H/S consoles and a rate multiplier channel which simultaneously produces X & Y coordinate pulse trains for use with the PPI consoles.	Hughes Aircraft Co 575515-100	N-62-b-1590	SHIPS-D-3921A	P/O AN/SYA-4(V) AN/SYA-1(V)
CV-1320/SYA-4(V)	Analog to Digital Converter	Receives analog azimuth angle data from AN/SPS-39 and produces digital azimuth angle data for use by the H/S console, unit computer, and digital-to-pulse-train which provides X & Y coordinate pulse trains for generating radar sweep, range pulses for rate multiplier channel and end of sweep timing signals to A to D and theta channels and to the consoles.	Hughes Aircraft Co 575525-100	N-62-b-910	SHIPS-D-3921A	P/O AN/SYA-4(V)
CV-1321/SYA-4(V)	Analog to Digital Converter	Synchro-to-digital converter used with radar synchro outputs (to 18rpm), supplying digital azimuth angle for use by H/S console and unit computer. Also has X and Y coordinates for use by PPI console. Digital-to-pulse-train supplies range marks for PPI and H/S consoles.	Hughes Aircraft Co 575530-100	N-62-b-911	SHIPS-D-3921A	P/O AN/SYA-4(V)
CV-1329()/FSA-37 CV-1329/FSA-37	Digital to Analog Converter	Converts digital error signals to analog error signals. Provides two output signals. 0 to +20volts and 0 to -20volts.	Radio Corp of Amer 8305558-501	WL-62-2158		P/O AN/FSA-37
CV-1333()/FSG-1 CV-1333/FSG-1	Digital to Analog Converter	Converts 11 digit word & its sign to ±4v analog voltages. Done by series of 11 constant current generators and a ladder network.	Martin Marietta Corp 423-1348000	SIMSA-62-2466		P/O AN/FSG-1
CV-1347()/F CV-1347/F	Digital to Analog Converter	Input: 200kc, 10v p-p sine wave; 1kc, 0 to 24v square wave. Output: 5vdc; 1kc, 0 to -4.5vdc square wave; -8vdc.	Radio Corp of Amer 8631125-501	WL-62-2512		P/O OA-4013/FPM-14 OA-4005/FSQ-42
CV-1381()/FPS-49A CV-1381/FPS-49A	Analog to Digital Converter	Cancelled 4 February 1963.		WL-63-C-1611		
CV-1382()/FPS-49A CV-1382/FPS-49A	Analog to Digital Converter	Converts target displacement voltage into pulses for digital readout. Provides the azimuth or elevation angle of the target.	Radio Corp of Amer 8602162-501	WL-62-3354		P/O OA-4135/FPS-49A
CV-1384()/FPA-21 CV-1384/FPA-21	Digital to Analog Converter	Converts digital information to analog form for visual display application. Contains: TD-600/FPA-21.	Radio Corp of Amer 8308957-502	WL-62-3393		P/O OA-4164/FPA-21 OA-4161/FPA-21
CV-1388()/FPA-21 CV-1388/FPA-21	Digital to Analog Converter	Converts digital information to analog form for visual display application. Contains: ID-1065/FPA-21.	Radio Corp of Amer 8308957-503	WL-62-3369		P/O AN/FPA-21
CV-1395()/SQS-26	Digital to Analog Converter	Converts digital pre-selector output into analog voltages and symbols for Bearing-Range Indicator Req. No. 1 contract NOsr-81482.	General Electric 7313869G1	N-62-n-1753		P/O AN/SQS-26
CV-1403()/FGA-7 CV-1403/FGA-7	Digital to Analog Converter	8 channels; 600 serial bits/sec. Capable of simultaneous conversion of serial data to parallel data and vice-versa. By addition of CV-1404/FGA-7 can operate at 1200 serial bits/second.	Stelma Inc SP-416M	PICO-62-351		P/O AN/FGA-7
CV-1419()/MSQ-28B CV-1419/MSQ-28B	Analog-Digital to Digital Converter	Processes the derived digital data in a manner suitable for use by OA-4345/MSQ-28B.	Hughes Aircraft Co 502162-110	SIMSA-62-2980	SCTR ADA-20A W/Amend No.1	P/O OA-4342/MSQ-28B

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CV-1456()/MSQ-41 CV-1456/MSQ-41	Digital to Analog Converter	Converts raw pulse: data received from AN/DSQ-5 scintillator scorer into miss distance information.	Franklin Systems Corp 61H10357	ASD-62-57-DET 4		
CV-1459()/FSA-43 CV-1459/FSA-43	Digital to Analog Converter	Converts digital input from the relay register to analog form for transmission to the servo amplifiers.	Radio Corp of Amer 2132433-501	WL-62-4313		P/O OA-4417/FSA-43
CV-1460()/FSA-45 CV-1460/FSA-45	Digital to Analog Converter	Converts digital input from the relay register to analog form for transmission to the servo amplifiers.	Radio Corp of Amer 2132738-501	WL-62-4354		P/O OA-4420/FSA-45
CV-1485()/ASA-27 CV-1485/ASA-27	Navigational Digital to Analog Converter	Converts a pulse modulated signal of digital form into a symmetrical bi-polar dc analog.	Litton Systems Inc 504675	NW-62-361		P/O AN/ASA-27
CV-1503()/SYA-6 CV-1503/SYA-6	Digital to Analog Converter	Converts analog to digital and vice-versa simultaneously. Has self-test capability.	Univac 4051601	NW-62-573		P/O AN/SYA-6
CV-1512()/USW-2 CV-1512/USW-2	Analog to Digital Converter	Converts data from ships heading compass system MK-19. Automatically calculates heading of ship on seas or runway heading when the AN/USW-2 is located on land.	Radio Corp of Amer 8326660-501	NW-62-668		P/O OA-4576/USW-2
CV-1520()/GLR-1 CV-1520/GLR-1	Analog to Digital Converter	One voltage to digital converter assembly converts analog voltage inputs into binary coded decimal digits.	General Dynamics/Elec 666129-249	WL-62-5790		P/O OA-4626/GLR-1
CV-1521()/GLR-1 CV-1521/GLR-1	Analog to Digital Converter	Converter dc to time converter receives multiplexed analog voltages representing channels one and two receiver frequency where it converts each voltage to 2 pulses.	General Dynamics/Elec 666130-105	WL-62-5792		P/O OA-4626/GLR-1
CV-1524()/TRR-17 CV-1524/TRR-17	Digital to Analog Converter	dc outputs of azimuth position of scan antenna, the elevation of same and elevation and azimuth of elevation scan antenna. Data received via FM sub-carriers.	Motorola Inc	CRC-62-121	MIL-A-27919	OA-4640/TRR-17
CV-1525()/TRT-15 CV-1525/TRT-15	Analog to Digital Converter	Used to convert each of the dc outputs of the antenna azimuth and elevation potentiometers to a suitable code for modulation of the FM subcarriers.	Motorola Inc 01-37018A01	CRC-62-124	MIL-A-27919	P/O OA-4642/TRT-15
CV-1527/SYA-7	Digital to Analog Converter	Converts analog to digital and vice-versa imultaneously. Has a self-contained tester.	Univac 4051501-01	NW-63-36		P/O AN/SYA-7
CV-1544()/GYA-5	Digital to Analog Converter	Accepts the regenerated digitized data and converts it to analog data.	Nat'l Security Agency XR-2-64A/2	NSA-62-0098		P/O AN/GYA-5()
CV-1556()/FPS-7E CV-1556/FPS-7E	Analog to Digital Converter	Converts analog height input to digital output for 412L System.	General Electric 7316924G1	WL-62-5750		P/O OA-4766/FPS-7E
CV-1564()/A CV-1564/A	Analog to Digital Converter - Storer	Synchro shaft information like altitude, attitude, fuel quantity and navigational data is converted to digital form and is stored by AN/AIQ-53& AN/ASW-21.	Bendix Corp X-1303502	NW-63-180		U/W AN/ASN-41 AN/AIQ-53 AN/ASQ-57 CP-582/A AN/ASW-21
CV-5050/FSQ-T501(V)	Analog to Digital Converter	Accepts analog voltages from Electronic Switch SA-5021/FSQ-T501(V), and converts to binary data, which is fed to Digital Computer CP-5011/FSQ-T501(V).	Packard-Bell HSB-1-38	RCN-234		P/O OA-5063/FSQ-T501(V)

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
DA-1/AP	Dummy Load	Provides 13.5db coupling from input jack to the output of antenna assembly.	PRD Electronics	USN		P/O TS-416( )/AP U/W CW-150( )/AP AS-306( )/APN-11
DA-2( )/UP DA-2/UP	Dummy Load	5650-7050Mc, 1w average power 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-762		
DA-3( )/UP DA-3/UP	Dummy Load	7050Mc-10,000Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-763		
DA-4( )/UP DA-4/UP	Dummy Load	4000Mc - 5650Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-764		
DA-5/U	Dummy Load	Used as a resistive termination 1/2w.	Hazeltine Electronics A12077	USN		P/O AN/UPM-4( ) TS-492( )/UPM-4 TS-552( )/UPM-6
DA-6/U	Dummy Load	Choke termination is section of x-band waveguide, 300kw peak power, VSWR 1.10.	Submarine Signal Co 1000AS-18	USN		P/O SU-2 Radar
DA-7( )/UP DA-7/UP	Dummy Load	7050-10,000Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-813		
DA-8( )/UP DA-8/UP	Dummy Load	5650-7050Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-814		
DA-9( )/UP DA-9/UP	Dummy Load	4000-5650Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-815		
DA-10( )/UP DA-10/UP	Dummy Load	5650-7050Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-816		
DA-11( )/UP DA-11/UP	Dummy Load	4000-5650Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-817		
DA-12( )/U DA-12/U	Dummy Load	51Ω termination for coax. line.	Industrial Products IPC-9550	USN		
DA-13( )/CRN DA-13/CRN	Dummy Load	To measure CW and FM signals 332-336Mc; 50w power consumption, 125ohm impedance.	Gen Communications	USAF ARL-48-R-302		U/W TS-475( )/CRN
DA-14( )/CRN DA-14/CRN	Dummy Load	To measure CW and FM signals 332-336Mc; 50w power consumption, 125ohm impedance.	Gen Communications	USAF ARL-48-R-303		U/W TS-475( )/CRN
DA-15( )/U DA-15/U	Dummy Load	8.2Gc to 12.4Gc, 1w avg, 1kw peak. Termination for low power transmission line. U/W various radar sets.	PRD Electronics	WL-45-962		P/O AN/URM-63
DA-16( )/UP DA-16/UP	Dummy Load	120Ω ±5% non-inductive. General purpose.	Hazeltine Electronics A-4090	USN		P/O AN/UPA-1A
DA-16A/UP	Electrical Dummy Load	Same description as DA-16/UP.	Kardon Mfg Co	USN	MIL-A-15481A	P/O AN/UPA-1B
DA-17( )/U DA-17/U	Dummy Load	47Ω resistor and 0.01μf. Reduces tending of IF regeneration in VHF Radio Receivers.	Seaboard Electric	USN		P/O Navy RDZ series
DA-18( )/U DA-18/U	Dummy Load	2600-3950Mc, 1.5megawatt peak power at 1 μsec pulse, 600w average power, 50Ω input impedance. U/W various radar sets.	ARF Products 1D403 Airtron Inc 50D55166	USA-WL-53-R-1871 USAF WL-53-R-2018	MIL-D-4678	
DA-19( )/U DA-19/U	Dummy Load	3950-5850Mc, 1.2 megawatt peak, 350w nom., 50Ω impedance. U/W various radar sets.	Sperry Gyroscope Co	WL-56-R-1047	MIL-D-3954	
DA-20( )/URM-68 DA-20/URM-68	Dummy Load	5850-8200Mc, 300w average power, 350kw peak power, 50Ω. Formerly DA-20/U. U/W various radar sets.	Hazeltine Electronics Airtron Inc Sperry Gyroscope Co	WL-56-R-1048	MIL-D-3954 MIL-D-4300	P/O AN/URM-68
DA-21( )/U DA-21/U	Dummy Load	7050-10,000Mc, 280w average power, 460kw peak power; 50Ω impedance. U/W various radar sets.	Electro Impulse Labs Sperry Gyroscope Co	WL-45-1861	7522 (USAF) MIL-D-3954	
DA-22( )/U DA-22/U	Dummy Load	8200-12,400Mc, 175w average power, 180kw peak power, 50Ω nominal impedance.	Sperry Gyroscope Co	WL-52-R-1885	USAF 7537	P/O AN/URM-62
DA-23( )/U DA-23/U	Dummy Load	8200-12,400Mc, 100w nom., 100kw peak power, 50Ω impedance. U/W various radar sets.	Sperry Gyroscope Co	WL-56-R-1050	MIL-D-3954	
DA-24( )/U DA-24/U	Dummy Load	18,000-26,500Mc, 35w average power, 40kw peak power. U/W various radar and radio components.	Sperry Gyroscope Co	WL-53-R-1714		P/O AN/USM-40
DA-25( )/U DA-25/U	Dummy Load	26,500-39,000Mc, 18w nom., 0.020 megawatt peak power. U/W various radar sets.	Sperry Gyroscope Co	WL-45-1865	MIL-D-3954	
DA-26( )/U	Dummy Load	18,000-26,500Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-1119		
DA-27( )/U	Dummy Load	12,400-18,000Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-1120		
DA-28( )/U	Dummy Load	26,500-39,000Mc, 1w average power, 1kw peak power. U/W various radar sets.	PRD Electronics	WL-45-1121		
DA-29( )/U DA-29/U	Dummy Load	50Ω impedance, dissipates 10w using light bulbs.	Espey Mfg Co 5030	SCL-6847	71-3244	P/O AN/TRC-12( ) 8( ),11( )
DA-30( )/U	Dummy Load	20cps-2,000kc, 20megawatts peak power, video dummy load, built in voltage divider; 10Ω. U/W various radar sets.	Aircraft Electronics	WL-45-1421		
DA-31( )/U DA-31/U	Dummy Load	1.15Gc to 1.75Gc, 12 to 20kw avg, 10Mw peak. To terminate RF transmission lines. U/W various radar sets.	Sperry Gyroscope Co	WL-45-1453		

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DA-32()/U DA-32/U	Dummy Load	90-1000Mc, 50Ω, 1500w.	General Electric	USN	CS-704	P/O AN/SLT-1
DA-33()/U DA-33/U	Dummy Load	2400-3700Mc, 1000w.	General Electric M-7403927	USN	CS-704	P/O AN/SLT-1
DA-35()/U DA-35/U	Dummy Load	20cps-200 kc, 0-10v rms input, 1000Ω impedance.		USAF AEL-48-627		U/W TS-382A/U P/O TS-382A/U
DA-36()/U DA-36/U	Dummy Load	50Ω ±5dc resistance. Dummy antenna.	General Electric K-7126103	USN		P/O AN/SLT-1
DA-37()/U DA-37/U	Dummy Load	Rated 12kv, 6000w, 25Ω.	General Electric 20	USN		P/O AN/SPS-8
DA-38()/URM-13 DA-38/URM-13	Dummy Load	Power indicator 0-400Mc, 18w max., using lamps .	Bendix Radio C200352-1	AEL-50-R557	MIL-D-5859 , 5859A	P/O AN/URM-13
DA-39()/U DA-39/U	Dummy Load	1000-4000Mc, 100w average power, 50Ω, VSWR less than 1.3.	PRD Electronics	WL-45-2107		P/O ME-18/U
DA-40()/U DA-40/U	Dummy Load	1000-4000Mc, 1000w average power, 50Ω, VSWR 1.3 max.	PRD Electronics	WL-45-2108		P/O ME-19/U
DA-41()/U DA-41/U	Dummy Load	4,000-10,000Mc, 100w average power, 50Ω, VSWR 1.3 max.	PRD Electronics	WL-45-2109		P/O ME-20/U
DA-42()/U DA-42/U	Dummy Load	4,000-10,000Mc, 1000w average power, 50Ω, VSWR 1.3 max.	PRD Electronics	WL-45-2110		P/O ME-21/U
DA-43()/U	Wattmeter Dummy Load	Dummy load and direct power measurement 100w max. 0.2-20Mc.	Control Electronics RFW-220	USN	MIL-D-7166A ADS-EL-525	U/W AN/ARC-2 AN/ART-13
DA-44()/FPN	Dummy Load	100kc, 52Ω, 1megawatt peak.	Fed Tele & Radio Corp FRL-25173	WL-50-1132	WLENG-165A	P/O AN/FPN-15()
DA-45()/UP	Dummy Load	20-440Mc, 1w average power, 1kw peak, 1.15 max. VSWR.	PRD Electronics A-15478	WL-50-1616		
DA-46/FRT-10	Electrical Dummy Load	100-200 kc, 30kw, rated to 120°F 500 pounds.	Westinghouse Electric 7504032,G-2	USN	CS-1178	P/O AN/FRT-10
DA-47()/U DA-47/U	Electrical Dummy Load Assembly	100kc to 200kc, 250kw. Dummy Load for RF amplifiers.	Westinghouse Electric 7504032,G-1	USN	CS-1178	P/O AN/FRT-10
DA-48()/U DA-48/U	Electrical Dummy Load	100kc to 200kc, 29.4kw. Dummy load for RF amplifiers.	Westinghouse Electric 7624603,G-1	USN	CS-1178	P/O AN/FRT-10
DA-49()/U DA-49/U	Electrical Dummy Load	100kc to 200kc, 14.7kw.	Westinghouse Electric 7624603,G-4	USN	CS-1178	P/O AN/FRT-10
DA-50()/U DA-50/U	Electrical Dummy Load	100-200kc, 22.5kw.	Westinghouse Electric 7624603,G-7 55-A-2888	USN	CS-1178	P/O AN/FRT-10
DA-51()/U DA-51/U	Electrical Dummy Load	2600-3950Mc, 1kw peak, 1w nom., 50Ω.		WL-57-1344		
DA-52()/CPS-1 DA-52/CPS-1	Radio Frequency Radiation Absorber	Cancelled. 8/8/51.		WL-50-2294	WLENG-2080	P/O AS-105/CPS-1 AS-104/CPS-1
DA-53()/U	Electrical Dummy Load	1150-1750Mc, 10 megawatts with 0.1μsec pulse, 3000w average; RG-69/U input impedance. U/W various radar sets.	Sperry Gyroscope Co	WL-51-13332		
DA-54()/U DA-54/U	Electrical Dummy Load	1150-1750Mc, 10 megawatts with 0.1μsec pulse, 1000w average. U/W various Radar Sets.	Sperry Gyroscope Co	WL-51-1333		P/O AN/URM-59
DA-55/U	Electrical Dummy Load	12.4kMc-18kMc, 0.28 megawatt peak, 100w nom. U/W various radar sets.	Sperry Gyroscope Co 401	WL-51-1334 USN		
DA-56()/U	Electrical Dummy Load	10kw max. peak, 1.2kw average, 50Ω.	Airborne Inst Lab 437-3F6	USN		U/W AN/GPA-7,7A
DA-57()/GRD DA-57/GRD	Electrical Dummy Load	1.50-7.50Mc, 1w peak, 1/4w average, 1Ω impedance. P/O antenna coupler.	Tech-Tron Corp B-500430-501	USN	SHIPS A-556	U/W CU-291/GRD CU-292/GRD
DA-58()/GRD DA-58/GRD	Electrical Dummy Load	7.50-15Mc, 1Ω input, 1w peak, 1/4w average. Part of Antenna Coupler, Type II.	Tech-Tron Corp B-500430-502	USN	SHIPS A-556	U/W CU-293/GRD
DA-59()/GRD DA-59/GRD	Electrical Dummy Load	7.50-15Mc Cancelled 7/8/52. S/A DA-58/GRD. Part of Antenna Coupler, Type II, III.	Midwest Eng. Dev	USN		
DA-60()/U DA-60/U	Electrical Dummy Load	0-8000cps 10Ω, 500w for testing amplifier.	Ward Leonard Co 101	USN		U/W AN/AIA-4A
DA-61()/UPM-50 DA-61/UPM-50	Electrical Dummy Load	Dummy load and voltage divider, 8kw peak, 10w nom., dc-2Mc, 12.5Ω impedance.	Phebco Ind 39A302	WL-54-B-1795	RADC-EXH: ENG-2238	P/O AN/UPM-50
DA-62()/U DA-62/U	Electrical Dummy Load	100-1950kc 50Ω input impedance.	Bruno Inc	AF-AEL-55-R-569	MIL-G-4477	P/O AN/GPM-15
DA-63()/U DA-63/U	Electrical Dummy Load	1275w range up to 2Mc, 50Ω input. Cancelled 7/8/53.		WL-51-R2217	ENG-275 (USAF)	U/W AN/CPS-5
DA-64()/UP DA-64/UP	Electrical Dummy Load	Range 3Mc, 1400w max., 1200w nom., 50Ω.	Raytheon 1773	SCL-12013	MIL-R-10846	U/W AN/CPS-9()
DA-64A/UP	Electrical Dummy Load	Range 3Mc, 1400w max., 1200w nom., 50Ω; One way interchangeable with DA-64/UP.	Raytheon 1773B	SCLM-7288	MIL-D-11933	
DA-64B/UP	Electrical Dummy Load	Range 3Mc, 10,000v peak, 1200w nom., 50Ω; interchangeable with DA-64/UP except for maintenance parts.	Polarad Electronics 82199	SCLM-7428	MIL-D-11933	

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DA-65()/U DA-65/U	Electrical Dummy Load	108Mc to 112Mc and 329Mc to 335Mc, 51.5±2Ω non-inductive, average and peak power 20w. Used as a load for radio frequency power.	Fed Tele & Radio Corp A2120015	USA AEL-52-258	MIL-R-4146	P/O OA-430/MRN-8
DA-66()/U DA-66/U	Electrical Dummy Load	108-112 and 329-335Mc, 50w peak continuous, 50w nom., 51.5Ω.	Fed Tele & Radio Corp A2120015	AEL-54-R45	MIL-R-4146	P/O OA-430/MPM-8
DA-67()/U DA-67/U	Electrical Dummy Load	800Ω non-inductive, 300w avg, 300kw peak. Terminated with special connector on end of pigtail type cable. Used in place of 4J50 magnetron.	Westinghouse Electric 51-C-4522	USN USA		U/W AN/APM-65
DA-68()/U DA-68/U	Electrical Dummy Load	50Ω non-inductive, 600w avg, 600kw peak. Used for radar modulator high voltage pulse.	Westinghouse Electric 51-C-4343	USN USA		U/W AN/APM-65
DA-69()/URM-48 DA-69/URM-48	Electrical Dummy Load	20Mc to 100Mc, non-inductive, 1.47μv avg, 2.08μv peak. Used in aligning radio sets.	ARF Products	SESA-59-153	MIL-S-10484	P/O AN/URM-48
DA-70()/URM-57 DA-70/URM-57	Electrical Dummy Load	Dc-10Mc, 100w avg. power, 500Ω has 4 to 1 voltage divider.		AEL-52-R633	WCER-137 & WCE-328	P/O AN/URM-57
DA-71()/URM-58 DA-71/URM-58	Electrical Dummy Load	2-4200Mc, 500w avg. or 500kw max. at 0.001 data cycle, 50Ω.		AEL-53-R204	WCER-125	P/O AN/URM-58
DA-72()/U DA-72/U	Electrical Dummy Load	0-150w dissipation, 50Ω input load.	Radio Corp of Amer T-631636-501	AEL-52-R772		U/W AN/ARC-21
DA-73()/U DA-73/U	Electrical Dummy Load	54-71Mc, 50w peak, 40w nom.	Eldico Corp 2378-B	SCLC-10595	SC-DL-90677	U/W AN/GRC-10()
DA-74()/UP	Electrical Dummy Load	5400-5900Mc, 300kw peak, 450w avg., dry RF load. U/W radar systems.	Sperry Gyroscope Co	USN		
DA-75()/U DA-75/U	Electrical Dummy Load	1.3-2700Mc, 2kw peak, 1kw nom., 51.5Ω impedance, 1/2kw nom without fan. U/W AM & FM transmitters.	Bird Electronics 82A	SCLE-4279	MIL-R-10607 (SIGC)	
DA-76()/U	Electrical Dummy Load	1120-1700Mc, 1kw peak, 1w average.	PRD Electronics	WL-52-1767		
DA-77()/U	Electrical Dummy Load	1700-2600Mc, 1kw peak, 1w average.	PRD Electronics	USA-WL-52-1768		
DA-78()/U DA-78/U	Electrical Dummy Load	Dc-4000Mc, 500w nom., 50Ω.	Hazeltine Electronics A-14688	USN		P/O MX-1104/MPS-4 AN/MPS-4C
DA-79()/U DA-79/U	Electrical Dummy Load	50Ω. Dummy antenna.	Collins Radio 2042-2019	USN USA	MIL-H-15362	P/O MK-128/ARC-27
DA-80()/U DA-80/U	Electrical Dummy Load	.3-25Mc, 750w (5mins.max) 500w. representative of 25'whip antenna.		USN		U/W AN/URT-2,3,4,
DA-81()/U	Electrical Dummy Load	925-3950Mc, 1kw peak, 1w average, 50Ω impedance.	PRD Electronics	USA WL-52-1769		
DA-82()/U	Electrical Dummy Load	100-1700Mc, 1kw peak, 1w average, 50Ω impedance.	PRD Electronics	USA WL-52-1770		
DA-83()/URM-37 DA-83/URM-37	Electrical Dummy Load	Simulates 100ft. of 52Ω impedance transmission line. Cancelled 19 January 1953. Ra SM-59/URM-37.	Measurements Corp H4309	USN	XEL-190	P/O AN/URM-37
DA-84()/ARM-6 DA-84/ARM-6	Electrical Dummy Load	2-24Mc, 100Ω impedance.	Radio Corp of Amer 746-783	USA AEL-52716		P/O AN/ARM-6
DA-85()/URA-13 DA-85/URA-13	Electrical Dummy Load	1.5-32Mc, 5w nom., 50Ω impedance.	Collins Radio 522 0071 003	USA SCLC-5937	SCL-1239	P/O AN/URA-130
DA-86/U	Electrical Dummy Load	1250-1350Mc, 2 megawatts peak, 2kw average, 300Ω impedance.	Radio Corp of Amer 315372-501 Rev 1	USN		P/O AN/SPS-12
DA-87()/U DA-87/U	Electrical Dummy Load	0-2000Mc, 200w peak, 50w nom., 51.5Ω ±10% impedance.	Bird Electronics 81	USN		U/W OA-533/MRN-9
DA-88()/U DA-88/U	Electrical Dummy Load	30-500Mc, 500w peak, 300w nom., 51.5Ω ±10% impedance.	Bird Electronics 82	USN		U/W OA-533/MRN-9
DA-88A/U	Electrical Dummy Load	Resistive; 15kw peak power, 500 watts nominal; freq. range: 0-3300Mc; 50Ω impedance. One way interchangeable with DA-88/U.	Bird Electronics 811152-82A	USN-58-X-1891		
DA-89()/U DA-89/U	Electrical Dummy Load	10,000v peak, 0-2.4kw average power, on sq. waves to 1μsec pulse, 25Ω, acts as 100 to 1 voltage divider.		USA WL-53-1110	RADC-2256	U/W AN/GPA-11
DA-90()/U DA-90/U	Electrical Dummy Load	0-2Mc, 13,500w peak, 4.3kw nom., 50Ω input acts as 200 to 1 voltage divider.	Artisan Electronics DL-20202 Square Root Mfg Co SR-617025	USA WL-54-R-1463	MIL-D-4739 (USAF)	U/W AN/FPS-8 AN/MPS-11
DA-91/U	Electrical Dummy Load	0-3000Mc, 600w nom., 50Ω input impedance 15kw peak.	MC Jones Elec Co 632(M) Bird Electronics 820300	USN		U/W AN/URT-2,3,4
DA-92/SRT	Electrical Dummy Load	Confidential.		USA USN		
DA-93()/URM-73	Electrical Dummy Load	20-1000Mc, 4-500w average 50Ω nom., input impedance.	Fed Tele & Radio Corp C-2142772-A	AEL-52-495	USAF WCER-121	P/O AN/URM-73()
DA-94()/FRC-33A DA-94/FRC-33A	Radio Frequency Radiation Absorber	6000-7000Mc, 2w power dissipation, waveguide absorption type. Cancelled 10/25/54.	Philco Corp 368-4633	USA WL-53-1635		P/O OA-305A/FRC-33
DA-95/U	Electrical Dummy Load	60cps, 450w peak, 360w nom., 2Ω impedance.	General Electric ML 770684861	USN		P/O AN/SPS-8A

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DA-96/U	Electrical Dummy Load	2700-2900Mc, 2.2 megawatts peak, 2kw nom. Inductive.	Airtron Inc 52280	USN	R-1018A	
DA-97/U	Electrical Dummy Load	8500-9600Mc, 250kw peak, 300w nom.	Airtron Inc 5224C	USN	R-1018A	P/O AN/FPN-28
DA-98( )/U DA-98/U	Electrical Dummy Load	12.4Gc to 18.0Gc, 250w avg, 120kw peak. Dissipates RF power as heat with minimum of radiation.	Airtron Inc 52103	SCLS-3765		
DA-99( )/SLT	Electrical Dummy Load	1200w nom., 50Ω input impedance, resistive impedance.	Bird Electronics C-881000	USN	MIL-R-15995A (SHIPS)	
DA-100( )/SLT-3	Electrical Dummy Load	Confidential.		USA USN		
DA-101( )/SLT-3	Electrical Dummy Load	Confidential.		USA USN		
DA-102( )/UPM-27	Electrical Dummy Load	Confidential.		USA AEL-53-785		
DA-103/U	Electrical Dummy Load	8200-12,400Mc, 250kw peak, 40w nom. Same as DA-22/U except aluminum flange.	Airtron Inc 47310 Bendix Radio L244291	USA USN		P/O RT-184/SPN-8
DA-104( )/U DA-104/U	Electrical Dummy Load	0-2Mc, 2 megawatt peak, 1500w nom., 22Ω impedance.		USA WL-53-2097		U/W AN/TPS-1B, 1D
DA-105( )/G DA-105/G	Electrical Dummy Load	0-3kMc, 500w, 50Ω impedance. Part of Corporal Missile Ground Guidance.	Bird Electronics	USA ORDTU 57-54		
DA-106/URM-25E	Electrical Dummy Load	10kc-50Mc, max. current 20ma, 0.1ma.nom.	Harvey-Wells Elec B-90B1496-501	USN	MIL-R-15281 amend.6	
DA-107( )/URM-84	Electrical Dummy Load	7500-11,000Mc, 750w, 0.5 megawatts at peak, VSWR less than 1.2 to 1.		USA AEL-53-750	WCLR-199	P/O AN/URM-84( )
DA-108( )/GR	Electrical Dummy Load	225-400Mc, 100kw peak, 10kw nom. 52Ω. Cancelled 16 July 1954.		WL-54-1163	RADC-1648	U/W OA-751( )/GRC
DA-109( )/URM-25F	Electrical Dummy Load	10-50,000kc, 52Ω.	New London Inst Co 62-B154	USN		P/O AN/URM-25F
DA-110( )/GPQ-T1 DA-110/GPQ-T1	Electrical Dummy Load	dc-4000Mc, 4kw peak 50w, 51.5Ω.	Gilfillan Bros 60481	AEL-54-383		P/O OA-775/GPQ-T1
DA-111( )/UPM-12 DA-111/UPM-12	Electrical Dummy Load	8500-9600Mc, 125μw average power. VSWR of 3 over range.	Sperry Gyroscope Co 539	AEL-54-497	MIL-R-8724	P/O AN/UPM-12
DA-112/U	Electrical Dummy Load	2.6Gc to 4.0Gc, resistive, 2kw avg, 3.5Mw peak. 1 dummy antenna load.	Sperry Gyroscope Co 563-1	USN		
DA-113/U	Electrical Dummy Load	75Ω termination for loading coax cables.	Trad Television Corp 124-B-241	USN	SHIPS-0-1518	P/O AN/USM-38
DA-114( )/FPS-14 DA-114/FPS-14	Electrical Dummy Load	2700-2900Mc, 1000kw peak, 1kw nom.	Airtron 52149 Bendix Radio	USAF WL-55-1461	AFCRC-6	P/O AN/FPS-14
DA-115/U	Electrical Dummy Load	7050-10,000Mc, 800kw peak, 750w nom. VSWR 1.10 max.		USA ORDBA-0003		P/O
DA-116( )/MPM-24	Electrical Dummy Load	250/300vdc range; 100/310/630/1200/2000Ω impedances for servo motors.		USA SCLS-11172		P/O OA-565( )/MPM-24
DA-117/U	Electrical Dummy Load	7050-10,000Mc, 750w nom., 800kw peak, VSWR 1.10max.		USA ORDBA 0002		
DA-118( )/APW-17 DA-118/APW-17	Electrical Dummy Load	Confidential.		USAF AEL-55-389		
DA-119( )/MRC-45 DA-119/MRC-45	Electrical Dummy Load	75Ω to 1600Ω non-inductive, 400w avg, 450w peak. For use as a variable load for a radar set.	Reeves Inst 134737	USAF WL-55-2025	RADC-2292	P/O AN/MRC-45
DA-120/U	Electrical Dummy Load	2600-3950Mc. 1270kw peak min. for 1.3μsec, 2150w nom. VSWR 1.8 to 1.10.		USA ORDBA-0003		
DA-121( )/U	Electrical Dummy Load	10kc-50Mc, 50Ω impedance.	Trad Television Corp 214B-3	USA SCLM-1213		P/O MK-288( )/URM U/W AN/URM-25( )
DA-122( )/U	Electrical Dummy Load	10kc-500Mc, 50Ω impedance.	Trad Television Corp 214B-4	USA SCLM-1214		P/O MK-288( )/URM U/W AN/URM-25( )
DA-123( )/U	Electrical Dummy Load	10kc-50Mc, 50Ω impedance	Trad Television Corp 214B-5	USA SCLM-1215		P/O MK-288( )/URM U/W AN/URM-25( )
DA-124( )/U	Electrical Dummy Load	10kc-50Mc, 50Ω impedance.	Trad Television Corp 214B-6	USA SCLM-1216		P/O MK-288( )/URM U/W AN/URM-25( )
DA-125/U	Electrical Dummy Load	400w peak, 300w nom. power, 52Ω impedance.		USN 1414	SHIPS T-1913 T-1867	P/O AN/TRN-2,3 UXA-101
DA-126( )/FPS-20 DA-126/FPS-20	Electrical Dummy Load	1250-1350Mc, 6megawatt, 6000w nom. power dissipation.	Bendix Radio N221487-1 Bogart Mfg Co B11188	WL-56-1516	EXH: RADC 2476	P/O AN/FPS-20, 20A

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
DA-127()/MPS-16 DA-127/MPS-16	Electrical Dummy Load	25Ω, 2.4kw avg. Dissipate radar set modulator power.	Avco Corp 735750	WL-58-R-2297	RADC-2468	P/O AN/MPS-16
DA-128()/MPS-16 DA-128/MPS-16	Electrical Dummy Load	Cancelled 7/57. Replaced by DA-149/U.		WL-57-c-1642		
DA-128/U	Dummy Load	Cancelled 2 July 1957.				
DA-129/UP	Electrical Dummy Load	51Ω ±5% resistance.	Cardwell Mfg Co Karden Mfg. Co.	USN	MIL-A-15481A	P/O AN/UPA-1B
DA-130/MPM-29	Electrical Dummy Load	Cancelled 11 December 1956.		ORDDW-262-56		
DA-131/MPM-31	Electrical Dummy Load	90Ω resonance impedance. Dummy amplifier load.		ORDDW-108-55	GS-16377	P/O OA-1062/MPM-31
DA-132/MPM-32	Electrical Dummy Load	CRT deflection coil simulator. Cancelled 18 May 1956.		ORDDW-69-55		
DA-133/MPM-36	Electrical Dummy Load	Variable in 7 steps. Cancelled 18 May 1956.		ORDDW-166-55	GS-16413	P/O OA-1067/MPM-36
DA-134/MPM-36	Electrical Dummy Load	12.6kΩ, 20w. Power Load. Cancelled 18 May 1956.		ORDDW 167-55		P/O OA-1067/MPM-36
DA-135/MPM-37	Electrical Dummy Load	Peak 6kw, nom. 1.8 and 6.0kw, impedance 50/15/5700Ω. Cancelled 12 November 1956.		ORDDW-97-55	GS-16419	P/O AN/MPM-37
DA-136()/FPS-14 DA-136/FPS-14	Electrical Dummy Load	Non-inductive, 205w avg, 246w peak. Dummy load for a power supply and a voltage regulator.	Bendix Radio	USAF CRC-55-158		P/O AN/FPS-14 U/W AN/FPS-14
DA-137()/BR	Electrical Dummy Load	0.3-26Mc, simulates 25ft. Whip antenna. 100w nom.	Fed Telecommun Labs D2080203	USN 1677	MIL-D-17385	
DA-138/TRM-3	Electrical Dummy Load	0-400Mc, provides 50Ω termination.	Transitron Electronics B-0132-01801	USN 1760	MIL-S-8633 (AER)	P/O AN/TRV-3
DA-139()/URM DA-139/URM	Electrical Dummy Load	30-500Mc, 2500w nom., 50Ω impedance 200w. Without water cooling.	Bird Electronics 673000	SCLC-10686		P/O AN/URM-86() U/W ME-106()/URM
DA-140()/AP	Electrical Dummy Load	20-1400Mc, 500w nom., 50Ω impedance.		SCLE-9763	MIL-R-11817 PAR 3.4.1.2	P/O TS-118()/AP
DA-141()/U	Electrical Dummy Load	2600-3950Mc, 1kw peak, 1w nom.	Sperry Gyroscope Co 5224-66623	SCLS-3856		U/W RG-48()/U
DA-142()/U	Electrical Dummy Load	3950-5850Mc, 1kw peak, 1w nom. VSWR 1.01 max.	Sperry Gyroscope Co 5224-66627	SCLS-3857		U/W RG-49()/U
DA-143()/U	Electrical Dummy Load	8200-12,400Mc, 1kw peak, 1w nom. VSWR 1.01 max.	Sperry Gyroscope Co 5224-66625	SCLS-3858		U/W RG-52()/U
DA-144/U	Electrical Dummy Load	5.85Gc to 8.2Gc, 1kw avg, 710kw peak. Dummy Antenna.	Bogart Mfg Co 11878	ORDBA-0010		
DA-145/U	Electrical Dummy Load	2.6Gc to 3.95Gc, 2.5kw avg, 3.2kw peak. Dummy Antenna.	Bogart Mfg Co 11951	ORDBA-0005		
DA-146/U	Electrical Dummy Load	8.2Gc to 12.4Gc, 750w avg, 290kw peak. Dummy Antenna.	Bogart Mfg Co C-11874	ORDBA-0006		
DA-147/U	Electrical Dummy Load	1120-1700Mc, 17,200kw peak, 4000w nom, w/fins, VSWR 1.10max.	Bogart Mfg Co C-11188	ORDBA 0007		
DA-148/U	Electrical Dummy Load	7050-10,000Mc, 460kw peak, 850w nom., w/fins, VSWR 1.10 max.	Bogart Mfg Co 11876	ORDBA-0008		
DA-149/U	Electrical Dummy Load	2950-5850Mc, 2000kw peak, 2000w nom., w/fins, VSWR 1.10 max.	Bogart Mfg Co 11877	ORDBA-0009		
DA-150/SPG-49	Dummy Mixer	Mixer to replace balanced mixer of radar under test.	Sperry Gyroscope Co 1,000,573	USN	MIL-R-18669	U/W AN/SPG-49
DA-151/SPG-49	Electrical Dummy Load	5400-5900Mc, 15.0mw peak, 22kw nom., 11Ω.	Sperry Gyroscope Co 1,000,572	USN	MIL-R-186069	U/W AN/SPG-49
DA-152/SPG-49	Electrical Dummy Load	5400-5900Mc, peak 6.4/180/180kw, nom. 13/360/360kw impedance 10kΩ, 50Ω,2500Ω.	Sperry Gyroscope Co 1,000,575	USN	MIL-R-18669	U/W AN/SPG-49
DA-153/SPG-49	Electrical Dummy Load	5400-5900Mc, 15mw peak, 22kw nom., 1500Ω.	Sperry Gyroscope Co	USN	MIL-R-18669	U/W AN/SPG-49
DA-154()/U	Electrical Dummy Load	1000-4000Mc, 1000w peak, 1w average 68Ω.	F-R Machine Works	WL-56-1346	RADC-1817	
DA-155()/FSQ DA-155/FSQ	Electrical Dummy Load	Resistive power supply load.		CRC-56-186		P/O AN/FSQ-7,8
DA-156()/TPQ-8 DA-156/TPQ-8	Electrical Dummy Load	Confidential.		SCLE-9884		
DA-157()/TR	Radio Frequency Radiation Absorber	7125-7975Mc, 1w average power, waveguide absorption type.	Motorola Inc X1273	WL-56-1843	RADC-1568	P/O AN/TRT-4,5,6 AN/TRR-9,10,11 AN/TRQ-12,13
DA-158()/U DA-158/U	Electrical Dummy Load	26.5Gc to 40Gc, 75w avg, 75kw peak. Dummy Antenna.		ORDBA-0042	MIL-T-945A	
DA-159()/U DA-159/U	Electrical Dummy Load	12.4Gc to 18Gc, 250w avg, 160kw peak. Dummy Antenna.		ORDBA-0043	MIL-T-945A	
DA-160()/U DA-160/U	Electrical Dummy Load	18Gc to 26.5Gc, 150w avg, 125kw peak. Dummy antenna.		ORDBA-0044		
DA-161()/FRT-36 DA-161/FRT-36	Electrical Dummy Load	28-65Mc, 50kw peak, 50kw nom., 600Ω.		WL-56-1885		P/O AN/FRT-36(V)

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DA-162/APS-62	Electrical Dummy Load	9375 ±100Mc, 450kw peak, 400w average, VSWR 1.1max., 377Ω.	Airtron Inc 52279 Lavoie Labs 35700011	USN		P/O AN/APS-62
DA-163()/U DA-163/U	Electrical Dummy Load	Variable 20-32vac., simulate unbalanced 3 phase load characteristics.		AEL-56-942		
DA-164/BRA-4	Electrical Dummy Load	dc-4000Mc, 500w nom., 51.5Ω impedance.	Bird Electronics 82A Radio Corp of Amer 1241527	USN	M-2106 addendum 1	P/O AN/BRA-4
DA-165()/APA-137	Electrical Dummy Load	435Mc, 2 megawatts peak, 3.6kw nom., 50Ω.	Goodyear Aircraft	USN		P/O AN/APA-137
DA-166()/FRC-45 DA-166/FRC-45	Electrical Dummy Load	0-4000Mc, 50w nom., 50Ω.	Collins Radio 522 0269 004	WL-56-2333		P/O AN/FRC-45(V)
DA-167()/FRC-45 DA-167/FRC-45	Electrical Dummy Load	200-2500Mc, 15kw nom,(2 to 1SWR) 50Ω.	Collins Radio 541 7320 005	WL-56-2335	BTL-GS-18074	P/O AN/FRC-45(V)
DA-168/U	Electrical Dummy Load	400cps,6kw.	Bell Telephone Labs BX721154	ORDBA-0040	GS-15288	
DA-169()/GLQ-3	Electrical Dummy Load	0-3000 Mc, 150w nom., 52Ω.	M C Jones Elec Co 635(N)	SCLE-12109	Tech req. SCL-2603	P/O AN/GLQ-3()
DA-170()/FPS-7 DA-170/FPS-7	Electrical Dummy Load	Dummy Antenna. LxWxD=54"x21.44"x12" (at base)	General Electric A7040498P1	WL-56-2510	EXH: RADC 2383	P/O AN/FPS-7
DA-171()/U DA-171/U	Electrical Dummy Load	2 megawatt peak and 7kw nom. power dissipation, 1250-1350Mc freq. range.		WL-57-1107		
DA-172()/FRT-37 DA-172/FRT-37	Electrical Dummy Load	320w peak, 300w nom., 125-525kc, 300Ω impedance.	Wilcox Electric Co 97327	WL-57-1287		P/O AN/FRT-37
DA-173()/GRM-10 DA-173/GRM-10	Electrical Dummy Load	1000w, 2-30Mc, 50Ω impedance.	Collins Radio	AEL-57-316	EXH: RADC 1800	P/O AN/GRM-10
DA-174()/GRM-10	Electrical Dummy Load	1000w., 2-3Mc, 52Ω impedance.	Collins Radio	AEL-57-317	EXH: RADC-1800	P/O AN/GRM-10
DA-175()/GRM-10 DA-175/GRM-10	Electrical Dummy Load	1000w., 2-30Mc, 52Ω impedance.	Collins Radio	AEL-57-318	EXH: RADC-1800	P/O AN/GRM-10
DA-176()/GRM-10 DA-176/GRM-10	Electrical Dummy Load	1000w., 52Ω impedance.	Collins Radio	AEL-57-319	EXH: RADC-1800	P/O AN/GRM-10
DA-177/U	Electrical Dummy Load	15kw peak, 500w avg., DC-3300Mc, 50Ω impedance.	Sierra Electronic 160A-500FLC	USN 564		U/W AN/URM-3
DA-178/UP	Electrical Dummy Load	2850Mc to 2910Mc, 600w avg, 1Mw peak. Terminates in a waveguide flange type for checking transmission.	Hazeltine Electronics PI-2022	USN-57-Q-921		P/O AN/APS-82
DA-179()/FPS-7 DA-179/FPS-7	Electrical Dummy Load	240cps to 500kc, 15.7Ω, 45kw avg, 29Mw peak. Used to dissipate modulator power during test.	General Electric PL-7306003G1	WL-57-1449	EXH: RADC-2383B	P/O AN/FPS-7
DA-180()/FPS-33 DA-180/FPS-33	Electrical Dummy Load	1mw peak, 1.2kw nom., 1250-1350Mc.	Bogart Mfg Co 14061	SESA-13159		P/O SA-560/FPS-33
DA-181/U	Electrical Dummy Load	140kw, 100kw; 9-40kc freq. range. 30Ω impedance.	Westinghouse Electric 470D693	USN-57-6-1320	SHIPS-N-2252	P/O AN/FRA-31
DA-182/GPM	Electrical Dummy Load	Contains a 100Ω and 1000Ω resistor. Cancelled 27 November 1957.	Westinghouse Electric	ORDBA-0099		
DA-183()/FPT-4 DA-183/FPT-4	Electrical Dummy Load	1200w peak, 1000w nom., 400-600Mc freq. range. 50Ω impedance.	Motorola Inc 301D10705-1	WL-57-1972		U/W AN/FPT-4
DA-184()/DJN-1	Electrical Dummy Load	Utilized in computer adjustments.	American Bosch-Arma	WDD-57-513		U/W CP-383()/DJN-1
DA-185()/URM-104 DA-185/URM-104	Electrical Dummy Load	120kw peak, 60w avg., freq. range 26.5-40.0kMc.		AEL-57-878	EXH: WCLR-419	P/O AN/UPM-105
DA-186()/GPM	Electrical Dummy Load	1/2w nom. 82kc, 1000Ω impedance.		ORDBA-0119		U/W CG-530/U
DA-187()/GPM	Electrical Dummy Load	1/2w nom. 82kc, 100Ω impedance.		ORDBA-0118		U/W CG-530/U
DA-188/APM-85	Electrical Dummy Load	Confidential.		USN-57-Q-1927		
DA-189()/GRC DA-189/GRC	Electrical Dummy Load	Used for dissipation of RF output during alignment and troubleshooting. Meter indicates transmitter power output. Power dissipation: 50w peak, 40w nom., range 600-1850Mc.	Radio Corp of Amer 11447	SIMSA-62-2653	SCL-4222	P/O AN/GRC- 0(V)1,2, 3,4,5 AN/GRC-51() AN/GRC-52() AN/MRC-74() AN/MRC-75()
DA-190()/DSM-11 DA-190/DSM-11	Motor Generator Dummy Load	Consists of 450va, 3ph adjustable ph output.	AC Spark Plug 8570622	WDD-57-692		P/O AN/DJM-11
DA-191()/FRC-47 DA-191/FRC-47	Electrical Dummy Load	100kw peak, 20kw nom. 350-450Mc 50Ω impedance.	General Electric 7777291	CRC-58-137	MIL-R-26422	P/O OA-1657-FRC-47
DA-192/ASM-6	Electrical Dummy Load	500cps, simulated load for detecting magnetometer.	Dalmo-Victor Co	USN-58-ah-994		P/O AN/ASM-6
DA-193/BQS	Electrical Dummy Load	Confidential.		N-58-h-1176		

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DA-194/GRC-19	Electrical Dummy Load	Dummy antenna load for testing radio transmitters 1.5 to 20Mc freq. range.	Artisan Electronics ADL 6410	SESA-59-285		U/W T-195/GRC-19
DA-195/U	Electrical Dummy Load	10kw peak, 1200w nom. 0-3000Mc, 50Ω impedance.	Eldico Electronics	USN-58-T-1141		P/O AN/GSC-16
DA-196()/U	Electrical Dummy Load	dc to 1kc, 51.5Ω, 100w avg.				
DA-197()/U DA-197/U	Electrical Dummy Load	3000mw at 15 peak signal; peak 4000w average 395-455Mc freq. range.	Bogart Mfg Co D14271	USN-58-ah-1509		U/W AN/APS-70,91,95 96 SA-602/U
DA-198/FPN-39	Electrical Dummy Load	1,000kw peak, 16kw nom., 100kc freq. range.	Sperry Gyroscope Co 40661-DL	USN-58-ac-1449		P/O AN/FPN-39
DA-199()/U DA-199/U	Electrical Dummy Load	dc to 30Mc, 600Ω, 500w peak. Dummy Antenna.	Technical Mat Corp TER-500	58-TC-80		
DA-200()/U DA-200/U	Electrical Dummy Load	dc to 30Mc, 600Ω, 1750w peak. Dummy Antenna.	Technical Mat Corp TER-3500	SIGLP-6.1-58-TC-81		
DA-201()/U DA-201/U	Electrical Dummy Load	dc to 300Mc, 600Ω, 5kw peak. Dummy Antenna.	Technical Mat Corp TER-5000	SIGLP-6.1-58-TC-82		
DA-202()/FPN-34 DA-202/FPN-34	Electrical Dummy Load	250kw peak, 250w nom., 1280-1350Mc.	Bendix Radio	WL-58-1948	EXH: RADC-2475A	P/O AN/FPN-34
DA-203/BP	Electrical Dummy Load	Confidential.		USN-58-b-1815		
DA-204/FPS-7	Electrical Dummy Load	200Ω, 4kw avg, 5kw peak. Waveguide termination.	General Electric 7711210p1	WL-58-2206	EXH: RADC-2383	P/O OA-1497/FPS-7(C)
DA-205()/MPM-49	Electrical Dummy Load	Used to check voltages of PP-1588/MPQ-4A. Operating freq. 400cps.	General Electric SC-D-85696G001	SESA-58-220		P/O AN/MPM-49() U/W AN/MPQ-4A
DA-206()/MPM-49	Electrical Dummy Load	Used to check voltages of C-2014/MPQ-4A. Operating freq. 400cps.		SESA-58-221		P/O AN/MPM-49() U/W AN/MPQ-4A
DA-207/AWM-5	Electrical Dummy Load	Resistor type, 500vdc breakdown voltage; 50vac line-to-Ground Voltage.		N-58-ah-2222		P/O AN/AWM-5; U/W MK-16
DA-208/GSM	Electrical Dummy Load	Adjustable resistive load for testing NICAD storage batteries. Facilities included for monitoring battery current, cell voltage and overall battery voltage.	Convair 27-06129-1	WDD-58-2168		
DA-209/U	Electrical Dummy Load	Power dissipation 10kw peak, 5kw nominal; DC-30Mc; 50Ω impedance.	Technical Mat Corp TER-5000(50)	USN-58-Y-2321		U/W AN/FRT-39
DA-210/U	Electrical Dummy Load	Power dissipation 10kw peak, 5kw nom., dc -30Mc; 70Ω impedance.	Technical Mat Corp TER-5000(70)	USN-58-Y-2322		U/W AN/FRT-39
DA-211()/ARM-43 DA-211/ARM-43	Electrical Dummy Load	Power: 1350w peak; 400w nominal; 2-36Mc range; 50Ω impedance. Contains 50Ω dummy load wattmeter.	Hughes Aircraft Co	AEL-58-751	EXH: WCLN-1275B	P/O TS-1237/ARM-43
DA-213/UPM-89	Electrical Dummy Load	Power dissipation 313va, nominal.	Hazeltine Electronics A-31012	N-59-ah-178	MIL-T-945	P/O AN/UPM-89 U/W AN/APS-82()
DA-214/AQM-6	Voltage Divider Dummy Load	Used for measurement of high voltages of IP-347/AQA-1 and PP-1392/AQA-1.	General Electric 7733354G1	USN-59-ah 254		P/O AN/AQM-6
DA-215/UPM-89	Electrical Dummy Load	Power dissipation 1w. Provides matched termination for AN/APS-82 in lieu of antenna AS-913/APS-82.	Hazeltine Electronics	USN-59-ah-381		P/O AN/UPM-89 U/W AN/APS-82
DA-217()/FPS-56	Electrical Dummy Load	Used to absorb RF transmission energy; has waveguide interconnection at one of terminations of RF transmission line switch. Power Dis: 6.0 meg. w. peak; 1.3kw nom.; Range: 1200-1400Mc.	Bogart Mfg Co 91634	SIMSA-61-4335	ADA-34	P/O MK-384/TPS-1D AN/FPS-56 AN/FPS-76
DA-218/U	Electrical Dummy Load	Power dissipation 500w; 2-3Mc; 50Ω impedance. Dissipates transmitter output in lieu of antenna.	Collins Radio 552-1741-00	N-59-Y-555		U/W AN/URC-32
DA-219()/APS-95 DA-219/APS-95	Electrical Dummy Load	Confidential.		AEL-59-95		
DA-220()/APS-81 DA-220/APS-81	Electrical Dummy Load	612w peak, 510 avg 25Ω impedance.	General Electric	AEL-59-283		U/W AN/APS-81
DA-221()/FPS-35 DA-221/FPS-35	Electrical Dummy Load	Confidential.		WL-59-1352		
DA-222/U	Electrical Dummy Load	Confidential.		N-59-d-1721		
DA-223()/FPT-2 DA-223/FPT-2	Electrical Dummy Load	19.4Mw peak, 1.225Mw avg. 46Ω. Operates on 30kv. 50μsec max L/R ratio. Has 2 cooling motors.	Radio Corp of Amer 8934167	WL-59-1791		P/O AN/FPT-2 & BMEWS
DA-224()/FPS-30 DA-224/FPS-30	Electrical Dummy Load	Power dissipation 500kw peak, 5kw nom;570-630Mc; 50Ω impedance.	Bogart Mfg Co D-16710	CRC-59-192		P/O AN/FPS-30
DA-225/FRC-37	Electrical Dummy Load	Power dissipation 162w peak, 32.4w nom; 1700-2400Mc; 50Ω impedance. In-line attenuators to load transmitter in lieu of antenna.	Kellogg Switchboard	N-59-Y-1981		P/O AN/FRC-37
DA-226()/GRC DA-226/GRC	Electrical Dummy Load	Power dissipation 20kw; 225-400Mc; VSWR 2:1 max; water cooled.	Dielectric Prod Eng 4701SC	WL-59-1764	MIL-A-9634	P/O OA-751/GRC
DA-227()/TPX-30	Electrical Dummy Load	Power dissipation 3kw peak; 990-1040Mc and 1080-1130Mc; 50Ω impedance. Used as dummy load or series attenuator.	Hazeltine Electronics A-33150	SEL-59-1309		P/O OA-2489()/TPX-30
DA-228()/URM-125 DA-228/URM-125	Electrical Dummy Load	Power dissipation 1kw peak, 1w nom; 3000Mc; 50Ω impedance.	Radioplane Northrop 101048-11	SESA-59-2558		P/O AN/URM-125
DA-229/GRM-21	Electrical Dummy Load	Power dissipation 1kw peak, 500w nom; 2-30Mc. Variable impedance, frequency dependant simulated load equal to 15ft. antenna.	Collins Radio 522-2007-004	N-59-T 2492		P/O AN/GRM-21

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DA-230/BQS-6	Electrical Dummy Load	Cancelled 9 December 1959. Never used. Reassigned: Resistor, fixed, Water-Cooled MX-2944/BQS-6.		N-59-n-2674		
DA-231/BQS-6	Electrical Dummy Load	Confidential.		N-60-n-1639		
DA-231A/BSQ-6	Electrical Dummy Load	Confidential.		N-60-n-1620		
DA-232/U	Electrical Dummy Load	75Ω impedance 0.5w.	Industrial Products 40750	N-59-b-2737	MIL-C-3608	P/O AN/UPM-111
DA-233/U	Electrical Dummy Load	Power dissipation 0.5kw peak, 0.5w nom; 0-4700Mc; 50Ω impedance.	General Radio Co 874-WM	N-59-T-2854		U/W AN/TRC-75
DA-234()/UPM-112 DA-234/UPM-112	Electrical Dummy Load	Series R-L circuits provide the torque servo amplifier assembly of the QRC-70(T) equipment with a load that simulates the impedance present at the amplifier output during normal amplifier operation.	General Mills 488908	AEL-59-1236	MIL-T-945	U/W AN/UPM-112
DA-235()/FPS-26 DA-235/FPS-26	Electrical Dummy Load	Confidential.		WL-59-2182		
DA-236()/FPS-26 DA-236/FPS-26	Electrical Dummy Load	Confidential.		WL-60-1020		
DA-237/U	Electrical Dummy Load	Absorbes RF energy. 200kw peak. 50Ω impedance VSWR less 1.15 to 1.	Bogart Manufacturing D-17651	USN-60-b-246		
DA-238/U	Electrical Dummy Load	Absorbes RF energy. 750kw peak. 50Ω impedance. VSWR less 1.15 to 1.	Bogart Manufacturing D-20001	N-60-b-247		
DA-239/APM-139	Electrical Dummy Load	Simulates Klystron load, 204.7w peak, 181.2w nom. 48kΩ impedance.	Ryan Aeronautical Co 114Z3011-1	N-60-ah-317		P/O AN/APM-139 U/W AN/APN-122(V)
DA-240()/FRT-49 DA-240/FRT-49	Electrical Dummy Load	Transmitter dummy load 25kw peak. 225-400Mc 20kw nom. 50Ω impedance.	Internat'l Tel & Tel 1049444	WL-60-1240	MIL-T-26439	P/O OA-2630/FRT-49
DA-241()/U	Electrical Dummy Load	Power dissipation 1 watt; freq range 1250-1350Mc. Impedance 300Ω. Waveguide housing.	Raytheon 3826/1071G1	SEL-60-226		P/O MK-496()/FPS-36
DA-241()/FPS-61 DA-241/FPS-61	Electrical Dummy Load	Terminates one end of Diplexer TD-354/FPS-61. Power Dis: 1w; Range 1250-1350Mc.	Raytheon 3826-1071G1	SIMSA-62-2618		P/O MK-678/FPS-61 AN/FPS-61
DA-242/U	Electrical Dummy Load	Low reflection 50Ω line termination dc-1000Mc up to 2.5kw. Serves as dummy antenna for transmitter tuning adjustments and trouble shooting with full power absorption under non radiating conditions.	Bird Electronics 8894	N-60-X-1661	SHIPS-D-3312	
DA-243/FPS-50(V)	Electrical Dummy Load	Confidential.		WL-61-R-3968		
DA-244()/FPS-24 DA-244/FPS-24	Electrical Dummy Load	Part of network to dispike leading edge of the modulator output pulse. 680kw peak. 1500 cycles 6w. nom. 11.8Ω impedance.	General Electric 7310513G1	WL-60-1575	MIL-R-26427	P/O OA-2773/FPS-24
DA-245()/FPS-24 DA-245/FPS-24	Electrical Dummy Load	Provides inverse diode load resistance for the modulator. 100kw peak. 1500 cycles 2kw. nom. 155Ω impedance.	General Electric 7614137G1	WL-60-1573	MIL-R-26427	P/O OA-2773/FPS-24
DA-246()/FPT-2 DA-246/FPT-2	Electrical Dummy Load	200kw peak. 25kw nominal 400-450Mc. 50Ω.	Radio Corp of Amer 8441175-1 BSP-1300	WL-60-R-1749		P/O AN/FPT-2 & BMEWS
DA-247()/ASM-28 DA-247/ASM-28	Electrical Dummy Load	Simulates headset loads. 0.5w peak 100mw nominal 100cps to 10kc. 300Ω.	Daystrom Electric Inst 8317-18002	USN-60-ah-691		P/O AN/ASM-28 U/W AN/ASA-20&26
DA-248()/ASM-28 DA-248/ASM-28	Electrical Dummy Load	Simulates headset loads. 0.5w peak 100mw nominal. 100cps to 10kc. 15Ω.	Daystrom Electric Inst 8317-18001	USN-60-ah-692		P/O AN/ASM-28 U/W AN/ASA-20 AN/ASA-26
DA-249/M	Electrical Dummy Load	Tests inverters in guided missile equipment. 9.36kw peak 2.13kw nominal. 400 cycles 13 1/4Ω, 26 1/2Ω 53Ω.		ORDXR-59-60		
DA-250()/FPS-24 DA-250/FPS-24	Electrical Dummy Load	Confidential.		WL-60-2442		
DA-251()/FPS-24 DA-251/FPS-24	Electrical Dummy Load	Confidential.		WL-60-2443		
DA-252()/FPS-50(V) DA-252/FPS-50(V)	Electrical Dummy Load	Confidential.		WL-60-1945		
DA-253/P	Electrical Dummy Load	For checking and performance testing the FCS power supply, electric test set. 0.39kw peak 0.1kw nominal, 400cps, 2.5kΩ, 10kΩ, 1050Ω, 1MΩ 1.08Ω. 75kΩ, 12Ω.		ORDXR-66-60		
DA-254/APM-92	Electrical Dummy Load	Provides a resistive electrical load as a substitute for that of the magnetron of Radar Set Group AN/APA-128 during tests or maintenance of the high voltage power supply. 750w power dissipation 6.4kΩ, 1.4Ω.	Raytheon 3206A	N-60-ah-1101		P/O AN/APM-92
DA-255()/GSM DA-255/GSM	Electrical Dummy Load	Non inductive permits a xmitter to be tuned and peaked for optimum output without radiating unwanted RF.	Convair B-52-R	WDD-60-2142		
DA-256/U	Electrical Dummy Load	400Mc to 450Mc, 50Ω non-inductive, 4kw avg, 225kw peak. Absorbs RF power.	Bogart Mfg Co 91576	N-60-b-1712		P/O AN/SPS-40
DA-257()/FPS-26 DA-257/FPS-26	Electrical Dummy Load	Confidential.		WL-60-R-4491		
DA-259()/FPS-24 DA-259/FPS-24	Electrical Dummy Load	Confidential.		WL-60-3430		
DA-260()/FPS-35 DA-260/FPS-35	Electrical Dummy Load	For amplitron tube. Consists of several resistor banks, 15.3Ω resultant resistance, 180kw. Total dissipation.	F-R Machine Works 501297	WL-60-4282	MIL-R-9615A	P/O AN/FPS-35

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DA-261()/DJM-15 DA-261/DJM-15	Electrical Dummy Load	Simulates the resistance and capacitance of the umbilical cable.	AC Spark Plug 7929011	WDD-60-729		P/O AN/DJM-15
DA-262()/DJM-15 DA-262/DJM-15	Electrical Dummy Load	Provides simulated loads for 3 error signals and visual verification of 8 discrete signals in the absence of the airborne computer in GMAB.	AC Spark Plug XES-6050	WDD-60-730		P/O AN/DJM-15
DA-263()/FRC-39A(V) DA-263/FRC-39A(V)	Electrical Dummy Load	Provides proper power supply loads for several equipments.	Radio Engineering Lab G-337777	WL-60-3616	MIL-R-9657B	P/O OA-3157/FRC-39A(V)
DA-264()/TPS-22 DA-264/TPS-22	Electrical Dummy Load	Confidential.		WL-60-4446		
DA-265()/U	Electrical Dummy Load	Standard impedance termination, coax connectors; 50Ω, 1 watt dissipation; dc-10kMc; VSWR: 1.04-1.5.	Empire Device Prod TE-80	SIMSA-61-126		U/W AN/GRC-80
DA-266()/APM-149 DA-266/APM-149	Electrical Dummy Load	Power dissipation: 137w, peak; 116.6w nom; impedance: 44k ±5%. Contains anode and filament loads.	Ryan Electronics 50 000 8-G1	N-61-W-393		P/O AN/APM-149
DA-267()/DJM-17 DA-267/DJM-17	Electrical Dummy Load	Cancelled, June 2, 1961.				
DA-268()/DJM-17 DA-268/DJM-17	Electrical Dummy Load	Cancelled, June 2, 1961.				
DA-269/GRC	Electrical Dummy Load	Power dissipation: 28watts; 40Ω impedance. Frequency:20-55Mc.		SIMSA-61-2164		P/O MK-153/GRC U/W AN/GRC-3 to 8
DA-270/GRC	Electrical Dummy Load	Power dissipation: 1 watt; 50Ω impedance. Frequency: 47.0-58.4Mc.		SIMSA-61-2165		P/O MK-153/GRC U/W AN/GRC-3 to 8
DA-271()/GSM DA-271/GSM	Electrical Dummy Load	Adjustable resistive load to test NICAD batteries; 10.5kw, max. Facilities included to monitor battery current (1-300a), overall voltage (0-50vdc) and cell voltage (0-1.5vdc) during time discharge.	Convair 43869	WDD-61-2006		
DA-272()/FRC-39A(V) DA-272/FRC-39A(V)	Calorimeter	Liquid coolant dissipative RF load. 10kw. nominal; 50Ω impedance; freq: 755-985Mc.	Radio Engineering Lab 957	WL-60-3773	MIL-R-9657B	P/O AN/FRC-39A(V)
DA-273/SPS-39A	Electrical Dummy Load	Power dissipation, 3kw, nominal; impedance, 20Ω. Pulse frequency, 100pps, max. Simulates lumped electrical characteristics of klystron &/or pulse transformer. 20Ω.	Hughes Aircraft Co 555270-100	N-61-b-822	SHIPS-R-3506	P/O AN/SPS-39A
DA-274/U	Electrical Dummy Load	Antenna dummy load. Power dissipation: 15kw peak, 600 watts, nominal; 50Ω impedance. Frequency range: 0-3kMc.	Bird Electronics 820300	N-61-Y-1005		
DA-275()/FPS-35 DA-275/FPS-35	Electrical Dummy Load	Tests load to check output of tetrode plate modulator. Dissipation: 2megw peak, 16kw nominal; 375Ω impedance.	Sperry Gyroscope Co 1019194	WL-61-2079	MIL-R-9615A	P/O OA-3403/FPS-35
DA-276()/DJM-18 DA-276/DJM-18	Electrical Dummy Load	Provides loads for 3 error signals and provides for visual verification of 8 discrete signals. Similar to,but not interchangeable with, DA-262/DJM-15&().	AC Spark Plug 7860727	WDD-61-713		P/O AN/DJM-18
DA-277()/DJM-18 DA-277/DJM-18	Electrical Dummy Load	Simulates resistance and capacitance of umbilical cable. Distributes 12vdc to AN/DJW-11 and DJM-18&(). Distributes 115vac to AN/DJM-18&(). Similar to, but not interchangeable with OA-261/DJM-15&().	AC Spark Plug 7860732	WDD-61-716		P/O AN/DJM-18
DA-278/GSQ-56	Electrical Dummy Load	Cancelled September 21, 1961.				
DA-279()/MS	Electrical Dummy Load	Variable resistive load, 15.625-4000Ω; Dissipation: 1440 watts, peak. Facilitates test of power supplies.	Hughes Aircraft Co 507080-100	SIMSA-61-347		P/O AN/MSM-34() U/W AN/MSQ-18
DA-280()/U DA-280/U	Electrical Dummy Load	26.5Gc to 40Gc, 50w avg, 22kw peak. High power waveguide dummy load.	Microwave Associates MA-719	USAEMSA-62-467		U/W AN/APQ-86
DA-281()/FPS-67A DA-281/FPS-67A	Electrical Dummy Load	Dissipates excess RF power from MX-3603/FPS-67A; 250kw peak, 250w nominal. Frequency: 1250-1350Mc.	Bendix Radio 589493-1	WL-61-3053		P/O AN/FPS-67A
DA-282()/UPX-14 DA-282/UPX-14	Electrical Dummy Load	Power termination for transmitter when not connected to an antenna. Dissipation: 12.5kw peak 10kw nominal. 52Ω impedance. Frequency: 1010-1120Mc.	Budd Electronics D-22-284	WL-61-3260	MIL-I-26471	P/O OA-3607/UPX-14
DA-283()/APM-172 DA-283/APM-172	Electrical Dummy Load	449cps pulse, 4 to 6μsec.	Burroughs Corp 4165-3629-501	AEL-61-826		P/O AN/APM-172
DA-284/MSM-34	Electrical Dummy Load	0.063 to 4kΩ, 125w avg, 2kw peak.	Hughes Aircraft Co 507080-100	SIMSA-61-4145	SCTR-ADA-21A	P/O AN/MSM-3
DA-285()/FPS-76 DA-285/FPS-76	Electrical Dummy Load	Provides a resistive termination for testing output of amplifier-modulator AM-3245/FPS-76 pulse forming network power dissipation 8.5kw. nominal; 11.2Ω impedance.	Raytheon YJ3831-5005G1	SIMSA-61-4254	ADA-34	P/O AN/FPS-76 MK-586/FPS-36
DA-286()/FPS-76 DA-286/FPS-76	Electrical Dummy Load	To absorb RF transmission emitted from radar transmitters when switched at switch, waveguide SA-846/FPS-76. For testing pre-operation or maintenance. Power dissipation 6.0kw nominal; oper. freq. range. 1200-1400Mc. Similar to Electrical Dummy Load DA-147/U	Bogart Mfg Co 91661	SIMSA-61-4265	ADA-34	P/O MK-586/FPS-36 MK-649 /FPS-36 AN/FPS-76
DA-287()/FPS-49 DA-287/FPS-49	Electrical Dummy Load	Confidential.		WL-61-3875		
DA-288()/FPS-27 DA-288/FPS-27	Electrical Dummy Load	Confidential.		WL-62-1011		
DA-289()/ASM-59 DA-289/ASM-59	Electrical Dummy Load	Provides impedance to simulate Motor Assy and test points to measure input and output signals of vacuum tube voltmeter and oscilloscope. 6.1w. peak, 400 cycle oper. freq., 220Ω impedance.	Sikorsky Aircraft S1670-10536	SIMSA-62-122		P/O AN/ASM-59

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DA-292()/U DA-292/U	Electrical Dummy Load	Power dissipation (from a transmitting antenna): 2000w at 25°C., 1800w at 50°C; freq. range dc to 30Mc; balanced input impedance 600 ohms.	Barker & Williamson DL-2K	SIMSA-62-2148		
DA-293()/U DA-293/U	Electrical Dummy Load	Power dissipation (from a transmitting antenna): 6000w at 25°C, 5000w at 50°C; Freq. range dc to 30Mc; balanced input impedance 600Ω.	Barker & Williamson DL-6K	SIMSA-62-2149		
DA-294()/TPS-27 DA-294/TPS-27	Electrical Dummy Load	Used to load the AN/TPS-27 focus coil for checking purposes power dissipation: 5kw.	Westinghouse Electric 378A525G01	WL-62-1525		P/O AN/TPS-27
DA-295/ASM-6A	Electrical Dummy Load	To replace the detecting head for tests on the magnetic detecting sets which require low magnetic noise input for circuit operation test.	Textron Inc 74606	N-62-W-501		P/O AN/ASM-6A
DA-296()/GRM-50	Electrical Dummy Load	Reduces the source impedance and provides a dummy antenna. Operational freq. range: 50kc to 65Mc; impedance: 50Ω to 5Ω, devision 10 to 1.	Hewlett-Packard 606-34A	SIMSA-62-116		P/O AN/GRM-50()
DA-297()/TPS-27 DA-297/TPS-27	Electrical Dummy Load	Used in checking of stability, regulation and performance of transmitter AC-filament-current regulator of AN/TPS-27. Power dissipation: 300w peak, 10-110Ω variable.	Westinghouse Electric 378A524G01	WL-62-1532		P/O AN/TPS-27
DA-298/FRT-61	Electrical Dummy Load	Used to dissipate output power of transmitting set radio during test and tune-up. Power dissipation: 200kw peak, 50kw. Nom; freq. range 50-150kc; impedance: 600Ω.	Continental Elec	N-62-Y-744		P/O AN/FRT-61
DA-299/APS-96	Electrical Dummy Load	Provides dummy load for power amplifier, driver output, or bandpass in modular section, and for the high voltage power supply of radar set. Contains provisions for manually operating momentary overload.	Carborundum Co PL-GR-2	N-62-W-818		U/W AN/APS-96
DA-300/APS-96	Electrical Dummy Load	6.75Ω, 9kw avg, 2.37Mw peak. Dummy amplifier load.	Carborundum Co PL-GR-1	N-62-W-819		U/W AN/APS-96
DA-304()/GSM-82 DA-304/GSM-82	Electrical Dummy Load	Provides 12 amp load for 28vdc power supply. Power dis: 336w. peak, 313w. Nom. direct current.		WDD-62-4308		P/O AN/GSM-82
DA-305()/GSM-82 DA-305/GSM-82	Electrical Dummy Load	Provides 36amp load for 28vdc power supply. Power dis: 1008 w. peak; 924w. Nominal direct current.		WDD-62-4319		P/O AN/GSM-82
DA-306()/GSM-82 DA-306/GSM-82	Electrical Dummy Load	Provides 48 amp load for 28vdc power supply. Power dissipation: 1344w peak 1260 w. nominal; dc.		WDD-62-4320		P/O AN/GSM-82
DA-307/SPG-49A	Electrical Dummy Load	Serves as dummy load for isolators in common pump circuit for side lobe suppression and acquisition parametric amplifiers of radar set AN/SPG-49A and 49B. Power rating 1kw, pk; 1w, cont. Operating freq. 17,500Mc.	Sperry Microwave Elec 265 3807-2	N-62-W-1016		P/O AN/SPG-49A & 49B
DA-308/SPG-49A	Electrical Dummy Load	Serves as load for isolator in acquisition channel of radar set AN/SPG-49A and 49B. Power rating: 10w pk., 3w nom., oper. freq. 5,380 to 5,920.	Sperry Microwave Elec 2679654	N-62-W-1017		P/O AN/SPG-49A 49B
DA-309()/APM-92 DA-309/APM-92	Electrical Dummy Load	Simulates loading effects of AN/APA-128 computer on AN/APQ-72 power supply. Power dissipation 500w. nom. Cancelled 4 March 1963.	Raytheon 500 88-1422	N-62-W-1121		P/O AN/APM-92
DA-310/KPQ-1	Electrical Dummy Load	Used during test as output termination of radar modulator. Power rating: 2000w. peak, 1,200 overage. For use with radar system that has modulated or pulsed dc output.	Electro-Impulse Labs	N-62-T-1279	MIL-D-11933B	U/W AN/KPQ-1
DA-311()/FPA-19 DA-311/FPA-19	Electrical Dummy Load	Provides a termination load in the "Power Plant Electric" AN/FPA-19 and AN/FPA-19().	Radio Corp of Amer 8335776-501	WL-62-2642		P/O AN/FPA-19
DA-312()/GSM-82 DA-312/GSM-82	Electrical Dummy Load	Provides a 2amp load for a ±15vdc power supply PP-3111/GSQ-54. Power dissipation 65w peak 60w nominal; dc.	Boeing Aircraft Co 25-34539-1	WDD-62-4560		P/O AN/GSM-82
DA-313()/FPS-74 DA-313/FPS-74	Electrical Dummy Load	1000pps, 17Ω non-inductive, 18.7kw avg, 6.5Mw peak. For use in testing a modulator.	Budd Electronics 220A000-000	WL-62-3017		U/W AN/FPS-74
DA-314/U	Electrical Dummy Load	dc to 3Mc, 70Ω resistance. 1750w. Dummy antenna.	Technical Mat Corp TER-3500-70U	PICO-62-361		U/W AN/TSC-20 AN/TSC-25 AN/FRT-56
DA-316()/FPS-74 DA-316/FPS-74	Electrical Dummy Load	250w low impedance inputs represent the data processor and receiver during testing of the transistorized power supply.	Budd Electronics 221A000-000			U/W AN/FPS-74
DA-317()/FPS-74 DA-317/FPS-74	Electrical Dummy Load	16,600w power dissipation. Provides the various loads required by the high voltage power supply during test and calibration.	Budd Electronics 216A000-000			U/W AN/FPS-74
DA-318/U	Electrical Dummy Load	dc to 11Gc, 50Ω, 5w avg. General Purpose.	Bird Electronics 80ENCM	N-62-T-1937		
DA-319()/MRC-98 DA-319/MRC-98	Electrical Dummy Load	775Mc to 985Mc, 50Ω, 10kw avg. Used as a liquid to cooled RF load.	Radio Engineering Lab S-1902-3	WL-62-3878		P/O AN/MRC-98
DA-320()/FPS-74 DA-320/FPS-74	Electrical Dummy Load	3.5kw , 2600 to 3950Mc. Dissipates RF power while radar set is being tested or calibrated.	Narda 324	WL-62-3917		U/W AN/FPS-74
DA-321()/GSM-82 DA-321/GSM-82	Electrical Dummy Load	180w avg, 280w peak, non-inductive load for a power supply.	Boeing Aero Space	WDD-62-4771		P/O AN/GSM-82
DA-324/APM-92	Electrical Dummy Load	700w high, 370w normal, 250w low. Simulates high, normal and low current loading effects on Radar Sets AN/APQ-72 and AN/APA-128 and AN/APA-157.	Raytheon 50088-1538	NW-62-207		P/O AN/APM-92
DA-325/SPS-51	Electrical Dummy Load	8000Mc to 9500Mc, 125w avg. Terminates power output of xmitter.	Douglas Microwave Co M201-B	N-62-ac-2165		P/O AN/SPS-51

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DA-326()/APM-186 DA-326/APM-18	Electrical Dummy Load	450w peak. Simulates loading of power supply systems.	Lab for Electronics	AEL-62-658		P/O AN/APM-186
DA-327()/APM-189 DA-327/APM-189	Electrical Dummy Load	48kΩ, 181.2w avg, 204.7w peak. Simulates demand on power supply by klystron xmitter tube.	Ryan Electronics 500099-G1	EMSA-62-504		P/O AN/APM-189
DA-328/FPN-45	Electrical Dummy Load	100kc, 13Ω, 55kw avg, 7Mw peak. Simulates Circuits.	Internat'l Tel & Tel 108745SG1	N-62-ac-2444		P/O AN/FPN-45
DA-329/FPN-44	Electrical Dummy Load	100kc, 2.5Ω, 7kw avg, 1.3Mw peak. Simulates Circuits.	Internat"l Tel & Tel 108743ZG1	N-62-dc-2426		P/O AN/FPN-44
DA-331()/GSM-87 DA-331/GSM-87	Electrical Dummy Load	3.2Ω, non-inductive, under 500w avg. load for voltmeter use.	Boeing Aircraft Co	WDD-62-11577		P/O AN/GSM-87
DA-332()/GSM-88 DA-332/GSM-88	Electrical Dummy Load	3.2Ω, non-inductive, under 500w. Load for voltmeter use.	Boeing Aircraft Co	WDD-62-11683		P/O AN/GSM-88
DA-333()/ASM-76 DA-333/ASM-76	Electrical Dummy Load	600Ω, non-inductive, 250w avg, 2kw peak. Loads power supply.	Litton Systems Inc 516008	NW-62-588		P/O TS-1898/ASM-76
DA-334()/ARM-63	Electrical Dummy Load	250mw avg. Dissipates xmitter power.	Aircraft Radio Corp 30072	EMSA-62-626		P/O AN/ARM-63()
DA-337()/FPS-35 DA-337/FPS-35	Electrical Dummy Load	Resistive load used when testing the modulator of a radar output tube.	Sperry Gyroscope 1038082	WL-62-5659		P/O AN/FPS-35
DA-338/APM-185	Electrical Dummy Load	1250Ω to 875Ω dependent on voltage, 500w avg. Simulates computer loading effects.	Raytheon 50088-5076	NW-63-183		P/O AN/APM-185
DA-339()/FYQ-8 DA-339/FYQ-8	Electrical Dummy Load	100w avg, 190w peak. Loads power supply.	Internat'l Tel & Tel 4594983G1	WL-63-1735		U/W AN/FYQ-8
DA-5001()/TPS-501 DA-5001/TPS-501	Electrical Dummy Load	0-6Mc, 50Ω, 800w, 1kw peak.	Radio Corp of Amer Montreal	Canada RCAF-113		U/W AN/TPS-501
DA-5002()/U DA-5002/U	Electrical Dummy Load	6250-7060Mc, 750kw peak, 1kw average.	Canadian Marconi Co 304-824	Canada RCAF-243	RCAF-RAD 70-25	U/W AF/ISG-98
DA-5003()/U DA-5003/U	Electrical Dummy Load	50Ω impedance, 0.6w nom.	Canadian Marconi Co 301-473	Canada RCAF 247	RCAF-RAD 70-25	U/W AF/ISG-98
DA-5004()/FPS-502	Electrical Dummy Load	Confidential.		RCAF 476		
DA-5005()/SP	Electrical Dummy Load	Power dissipation 80kw peak, 50w nom; 8500-9600Mc.		141-Canada		P/O OA-5037/SP
DA-5006/MRC-505	Electrical Dummy Load	Power dissipation 5w peak, 600mw nom. freq. range 4500-5000Mc.	Canadian Westinghouse 412B929/4 (WL-3A)	RCAF #1188		P/O AN/MRC-505
DA-5007/URM-503	Electrical Dummy Load	Dissipates power of the modulator on Radar Set AN/FPS-507. 8kw. peak 100w nom. dc to 2Mc. 22 1/2Ω, 12kv max. pulse.		RCAF 1269		U/W AN/FPS-507
DA-5008/GRM-501	Electrical Dummy Load	Provides typical load conditions on all dc power supplies in either the MD-141 or the MD-129 modulators power supply.		RCAF-1312		P/O AN/GRM-501
DA-5010/MPS	Electrical Dummy Load	Power dissipation: 1w, 0.5w; freq: 2600-3950Mc. Facilitates noise figure checks.		CA-420		U/W AN/MPS-505(XP-1)
DA-5011/MPQ-501	Electrical Dummy Load	Used for testing radar modulation. Power dissipation 300kw peak, 150w nominal impedance: 50 or 1800 ohms; frequency range 0 to 10,000cycles.		CA-513		P/O AN/MPQ-501
DA-5012/URM-502	Electrical Dummy Load	To replace antenna on radar or radio set while testing or adjusting operating equipment. Power dissipation 250w. nom.; freq: 100 to 400Mc; impedance: 50Ω.	Bayly Engineering Ltd DL 250NF	RCN-62-379		P/O AN/URM-502
DA-5013()/FRA-505(V) DA-5013/FRA-505(V)	Electrical Dummy Load	General Purpose.		CA-62-598		P/O AN/FRA-505(V)

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
DT-1/ASQ-1	Head Unit	Motor driven head assembly consisting of a detecting head and stabilizing mechanism. Motors fed from stabilizer unit. Operate to keep detector coil properly oriented in earth's field.	Airborne Inst Lab	ARL-1974		P/O AN/ASQ-1
DT-1A/ASQ-1	Head Unit	Motor driven head assembly consisting of a detecting head and stabilizing mechanism. Motors fed from stabilizer unit. Operate to keep detector coil properly oriented in earth's field.	Altec Lansing Co	USN		P/O AN/ASQ-1
DT-2/ASQ-3	Magnetic Loop Assembly	Three mutually perpendicular fluxgate magnetometer elements, mounted on set of gimbal rings, driven by two 130 cycle two-phase motors.		USN		P/O AN/ASQ-3
DT-3/ASQ-1A	Head Unit	Head assembly consisting of detecting head and stabilizing mechanism. Motor driven stabilizing unit operates to keep detector coil in earth's field.	Airborne Inst Lab	USN	Aero M-570,571	P/O AN/ASQ-1A
DT-3A/ASQ-1A	Head Unit	Motor driven head assembly consisting of a detecting head and stabilizing mechanism. Motors fed from stabilizer. Operate to keep detector coil properly oriented in earth's field.	Airborne Inst Lab	USN	Aero M-570,571	P/O AN/ASQ-1A
DT-4()/ASQ-3A DT-4/ASQ-3A	Magnetic Loop Assembly	Three mutually perpendicular fluxgate magnetometer elements, mounted on a set of gimbal rings, driven by two 130 cycle two-phase motors.	Western Electric Co D163925	USN		P/O AN/ASQ-3A
DT-5()/PRS-1 DT-5/PRS-1	Detector Head Assembly	High frequency search unit. Function is to detect metallic and non-metallic mines buried in ground.	Fed Tele & Radio Corp Espey Mfg Co Horni Mfg Co Sperry Gyroscope Co J H Bunnell	CESL-1595		P/O AN PRS-1
DT-6()/ASQ-3	Magnetic Loop Assembly	Three mutually perpendicular fluxgate magnetometer elements, mounted on a set of gimbal rings, driven by two 130 cycle two-phase motors.		USN		P/O AN/ASQ-3
DT-7()/TSS-1	Flash Detector	Convex glass lens, photo-electric cell, amplifier mounted in plastic tube. Used to pick up flashes from guns.		SCL		P/O AN/TSS-1
DT-8()/PRS-3 DT-8/PRS-3	Search Coil	A flat waterproof coil consisting of two primary and one secondary coil.		SCL PPD		P/O AN/PRS-3()
DT-9()/PRS-2 DT-9/PRS-2	Search Head	Specially designed Geiger-Mueller counter tube for use as the search head of Detector Set AN/PRS-2.	Sylvania Electric Co X-6081-5-1	ESL-3412-A	271-2492 (SigC)	P/O AN/PRS-2()
DT-9A/PRS-2	Search Head	Same description as DT-9/PRS-2 & ().	Sylvania Electric Co X-6081-69-4	SCL-7966	271-2492 (SigC)	P/O AN/PRS-2()
DT-10()/ASQ-6 DT-10/ASQ-6	Pickup Unit	Electro-magnetic pickup unit produces electrical signal when struck by bullet.	Sperry Gyroscope Co	ARL-45-197		P/O AN/ASQ-6()
DT-11()/PRS-3	Search Coil	Vertical coil: 95 turns, 3.3mh. Horizontal coil: 95 turns, 3.75 mh. Interchangeable with DT-8/PRS-3.		ENG BOARD		P/O AN/PRS-3()
DT-12()/PD DT-12/PD	Radiac Detector	Air ionization chamber containing electrometer tube and shorting device. Charged by PP-310()/PD.	Victoreen Inst Co	USN		P/O AN/PDR-2() U/W PP-310()/PD
DT-13()/PD DT-13/PD	Radioactivity Detector	Cancelled 25 September 1947.		USN		
DT-14()/PD DT-14/PD	Radiac Detector	Portable beta and gamma detector. High sensitivity 0 to 0.1 roentgens/24hrs, medium sensitivity, 0 to 10 roentgens/24hrs.	Sylvania Electric Co	USN	CS-705 BuShips	P/O AN/PDR-1(),8() AN/PDR-1 (XN-1)
DT-15()/PD DT-15/PD	Radiac Detector	Portable beta and gamma detector range 0.1 to 10 roentgens/24hrs. Cancelled 1 Dec. 1947.	Sylvania Electric Co	USN	CS-705 BuShips	P/O AN/PDR-1()
DT-16()/PD DT-16/PD	Radiac Detector	Pocket type integrating air ionization meter employing electrostatic principle of operation.	Victoreen Inst Co	USN		P/O AN/PDR-4
DT-16A/PD	Radiac Detector	Pocket type integrating air ionization chamber employing electrostatic principal of operation 0.2 roentgens/24 hrs.	Instrument Dev Labs 3340 Nuclear Instrument Co	USN		P/O AN/PDR-4
DT-17()/PD DT-17/PD	Radiac Detector	Portable beta and gamma high sensitivity detector. Range/24hrs 0 to 0.1 roentgens.	Sylvania Electric Co Raytheon	USN	CS-705 BuShips CS-891 BuShips	P/O AN/PDR-1() or 8() AN/PDR-22
DT-18()/PD DT-18/PD	Radiac Detector	Range of tube 0 to 10 roentgens/24hrs. Cancelled 24 August 1948.	Sylvania Electric Co	USN	CS-705 BuShips	P/O AN/PDR-1() 8()
DT-20()/UD DT-20/UD	Radiac Detector	Tests limited size laboratory samples of radio-active materials for beta and gamma radiation life: 10^7 minimum counts.	Technical Associates	LS-2	USN	U/W CP-37()/UD 38()/UD
DT-21()/UD DT-21/UD	Radiac Detector	Detects gamma contamination of water and provides electrical pulses to counter. Life: 10^9 approx.	Victoreen Inst Co X-325A	USN		P/O AN/UDR-2() U/W CP-39()/UD
DT-22()/UDR-3 DT-22/UDR-3	Radiac Detector	For indicating and counting beta and gamma contamination on hands of personnel.		USN		P/O AN/UDR-3() U/W CP-42()/UDR-3
DT-23()/UDR-3 DT-23/UDR-3	Radiac Detector	Radiac detection of beta particles and gamma radiation on feet of personnel.		USN		P/O AN/UDR-3() U/W CP-42()/UDR-3
DT-24()/UDR-1 DT-24/UDR-1	Radiac Detector	High count parallel plate ionization chamber for detecting alpha particles. Range of count $4x10^7$ (approx).	Instrument Dev Labs	USN		P/O AN/UDR-1() U/W CP-43()/UDR-1
DT-25()/UD DT-25/UD	Radiac Detector	For detecting beta and gamma contamination of salt or fresh water. Life in counts 10^9.	Victoreen Inst Co	USN		U/W CP-37()/UD CP-38()/UD
DT-26()/UDR-4 DT-26/UDR-4	Radiac Detector	For detecting alpha contamination on both sides of each hand simultaneously. Approx 4000 counts/minute.	Atomic Energy Comm	USN		P/O AN/UDR-4() U/W CP-44()/UDR-4
DT-27()/UDR-5 DT-27/UDR-5	Radiac Detector	Air ionization type proportional pulse counter for detecting alpha rays. Range of measurement: 0 to 10^5 disintergrations/minute.	Clinton Eng Works	USN		P/O AN/UDR-5() U/W CP-45()/UDR-5

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
DT-28()/PDR-9 DT-28/PDR-9	Radiac Detector	Non-differentiating beta-gamma detector.	Atomic Energy Comm	USN		P/O AN/PDR-9() U/W CP-46()/PDR-9
DT-29()/BQR DT-29/BQR	Hydrophone	Primary &/or seagoing std hydrophone; 16 to 45° Y cut rochelle salts crystals; frequency range 100 to 40,000cps, flat: 100 to 4000cps. 13db peak at 20,000cps.	Wallace & Tiernan Prod GA17	USN		
DT-31()/UPA-1A DT-31/UPA-1A	RF Probe	Input Z; 51Ω, output Z; 1000Ω, incl. 1/4 wave line 0-3000Mc &/or 3/4 wave line at 3000Mc &/or 3/4 wave line at 9000Mc. 1.25mw at 50Ω.	Hazeltine Electronics	USN	CS-844	P/O AN/UPA-1A
DT-32()/PDR-10 DT-32/PDR-10	Radiac Detector	Alpha particle detector. Cancelled 6 March 1950. Never built. No requirements.	Atomic Energy Comm	USN		P/O AN/PDR-10()
DT-33()/PD DT-33/PD	Radiac Detector	Portable beta and gamma detector. Range: 0 to 0.5mr/hr.	Admiral Corp 597B2	USN	CS-1073 CS-892 BuShips	P/O AN/PDR-8C,8D,22A
DT-34()/UDR-7 DT-34/UDR-7	Radiac Detector	GM tube pressurized and pressurized sample compartment no window between sample and tube. Detects beta and gamma emissions from samples placed in detector.	Radiation Counter Labs	USN		P/O AN/UDR-7
DT-35()/PD DT-35/PD	Radiac Detector	Pocket type integrating air ionization chamber for detection of gamma radiation range: 0 to 200mr.	Kelley-Koett Mfg Co K-700	USN		P/O AN/PDR-21
DT-36()/PD DT-36/PD	Radiac Detector	Portable beta and gamma detector. Range: 0 to 0.1 roentgens/24 hrs.	Hoffman Radio Corp	USN	CS-689, 1074	P/O AN/PDR-8,8B U/W MX-909/U
DT-37B/ASQ-8	Detecting Head	Saturable core magnetometer bridge type detecting head. Cancelled 16 Feb 1961. Never Used. Not needed.	Dalmo-Victor Co	USN-58-Q-909	MIL-D-19142 (AER)	P/O AN/ASQ-10
DT-38()/ASB-1	Magnetic Compass Element	Earth induction type. Emits synchro type signal. Must be aligned to fore and aft airplane direction.	Sperry Gyroscope Co 656520	USN		P/O AN/ASB-1()
DT-39()/U DT-39/U	Sound Detector	Portable instrument for locating and measuring noise and vibration.	Aircraft Electronics 1009	USN		
DT-40()/UD DT-40/UD	Radiac Detector	Alpha particle irradiation detector. 7.6w max amplitude of output pulse minus 80 volts.	Berkeley Scientific	USN USA	MIL-R-15209 SHIPS	P/O AN/UDR-9
DT-41()/UDR-10	Radiac Detector	Detects radioactive contamination of the palm and back of hand.	General Electric W106J75	USN	CS-1220 Modified	P/O AN/UDR-10
DT-42()/UDR-10	Radiac Detector	Detects beta-gamma radioactivity contamination on bottom of subjects feet.	General Electric W106J76	USN	CS-1220	P/O AN/UDR-10
DT-43()/PD	Radiac Detector	Integrating multi-range, ionization chamber type instrument for detection of gamma radiation. Cancelled 23 February 1955.		ESL-3761	SCL-2199 (SCEL)	U/W PP-494()/PD
DT-44()/PRS-3 DT-44/PRS-3	Mine Detector	Detects small metal objects, especially anti-personnel and anti-tank mines.	General Electric ML 105J348-G1	SCL-7175	USA 71-3396 MIL-D-10259 (SigC)	P/O AN/PRS-3()
DT-44A/PRS-3	Mine Detector	Same description as DT-44/PRS-3&().	General Electric T105J348G1	USA-SCLM-7559		P/O AN/PRS-3A
DT-44B/PRS-3	Mine Detector	Same description as DT-44/PRS-3&().	Bulova Watch Co 9653-113	USA-SCLM-7561		P/O AN/PRS-3B
DT-44C/PRS-3	Mine Detector	Same description as DT-44/PRS-3&().	Microtone Co BM-7010	USA-SCLM-7563		P/O AN/PRS-3C
DT-44D/PRS-3	Mine Detector	Same description as DT-44/PRS-3&().	Bendix Radio	USA-SCLM-7599		P/O AN/PRS-3D
DT-45()/FRN-12 DT-45/FRN-12	Antenna Detector Stage	Diode tube detector in watertight housing with dipole antenna. Demodulates signal and re-transmits signal to R-282/FRN-12.	Lavoie Labs 13702700	WL-45-1949	R-785 (CAA)	P/O AN/FRN-12
DT-46()/UD DT-46/UD	Radiac Detector	GM tube in center of lead housing. Detects beta and gamma radiation. Contains DC Amplifier AN-278/UD.	Tracerlab Inc SC-9A	USN		U/W AN/UDR-6,6A
DT-47()/UD DT-47/UD	Radiac Detector	Used for automatic positioning of up to 25 laboratory samples. Modified DT-46/UD.	Tracerlab Inc SC-6 SC-9A Mod	USN		U/W AN/UDR-6,6A
DT-48/UD	Radiac Detector	GM Tube and DC Amplifier AM-278/UD. Detects beta and gamma radiation. Sample tray placed in any of 5 slots.	Tracerlab Inc SC-10	USN		U/W AN/UDR-6,6A
DT-49()/PDR-8A DT-49/PDR-8A	Radiac Detector	High sensitivity GM tube type BS-1. Detects beta and gamma radiation. Shockproof and watertight up to 2psi. Previously known as DT-49/PD&().	Radio Corp of Amer	USN	CS-890	P/O AN/PDR-8A
DT-50()/UP DT-50/UP	RF Probe	Contains 1N23 crystal rectifier, body and special waveguide flange (Barlow type for RG-51/U)	Barlow Engineering 9-107	USN	CS-675	P/O TS-501/UP
DT-51()/UD	Radiac Detector	A waterproof case incorporating a crystal which will exhibit visible color change upon exposure to X or gamma radiation. Cancelled 23 February 1955.		ESL-3839	SCL-2245 SCEL	
DT-52()/UPM-12	RF Probe	Broadband untuned RF test probe for use with slotted line IM-54()/UPM-12 & IM-55()/UPM-12 to measure voltage swr of RF systems operating in the frequency range of 7050 to 10,000Mc/s.		WL-45-2438	EXH: WLENG-1221	P/O AN/UPM-12
DT-53()/PDR-27 DT-53/PDR-27	Radiac Detector	Radiac detection of beta and gamma radiation or gamma radiation alone. Range: 0 to 0.1 roentgens/hr or 0 to 5mr/hr.	Admiral Corp GB 157 General Electric ML104J415G1 Kelley-Koett Mfg Co	USN	CS-1054A Mil-R-15213 (SHIPS)	P/O AN/PDR-27,27A,27C U/W IM-57/PDR-27 IM-63/PDR-27A
DT-53A/PDR-27	Radiac Detector	Portable beta and gamma detector. Range: 0 to 5mr/hr.	Hoffman Radio Corp AA-328	USN		P/O AN/PDR-27B,27D
DT-53C/PDR-27	Radiac Detector	Similar to and interchangeable with DT-53/PDR-27 and DT-53A/PDR-27.	Hoffman Radio Corp	USN		P/O AN/PDR-27D

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DT-53D/PDR-27	Radiac Detector	Geiger-Mueller detecting tube; beta and gamma rays detected. Energy range:0.25 million electron volts or greater.	Admiral Corp 597B30	USA USN		P/O AN/PDR-27E
DT-54()/SQR-1 DT-54/SQR-1	Hydrophone	Low frequency receiving hydrophone: rochelle salts spot type: 100 cyc to 15,000 cyc. -95db versus 1v/ microbar.	Raytheon 1321	USN	CS-811 BuShips	P/O AN/SQR-1
DT-55()/PQM-1 DT-55/PQM-1	Hydrophone	Ammonium dihydrogen phosphate crystal frequency range: 40 to 40,000 cycles.	Brush Dev Co BM-105	USN		P/O AN/PQM-1()
DT-55A/PQM-1	Hydrophone	Ammonium dihydrogen phosphate. 20 to 40,000 cycles. 300Ω impedance sensitivity -65db vs 1v/dyne/cm^2.	MASSA Electronics 72A-100	USA USN	MIL-N-15576	P/O AN/PQ-1,1A
DT-56/URM-17	RF Probe	Isolates input of Radio Interference-Field Intensity Meter IM-52/URM-17 from direct power connections up to 1000vac.	Stoddart Aircraft 90338-1	USN		P/O AN/URM-17
DT-59()/UD	Radiac Detector	A 100 roentgen ionization chamber dosimeter for detection of gamma radiation. Cancelled 23 Feb. 1955.		SCL-9025		U/W PP-628()/UD
DT-60()/PD DT-60/PD	Radiac Detector	Radiophoto luminescent glass: gamma rays detected; 0 to 600 roentgen.	Corning Glass Works Polaroid Corp	USN	MIL-R-15239 (SHIPS) MIL-R-16153B (SHIPS)	U/W CP-95/PD
DT-60A/PD	Radiac Detector	A non-self indicating phosphate glass dosimeter worn on a chain around the neck. Detects exposure to gamma and X-rays.		CA-381	CA-A127	
DT-60B/PD	Radiac Detector	Non-indicating personnel dosimeter. X and gamma ray detection. 80kev to 1.5Mev.	Specialty Electronics 1748-3002	N-60-b-1551		U/W CP-95()/PD
DT-60C/PD	Radiac Detector	Measures X and gamma radiation over the range from 0 to 600 roentgens.	Industrial Elec Hdw	N-60-b-1648		
DT-60D/PD	Radiac Detector	Silver activated phosphate glass. Detects X-ray and gamma-ray radiation. 0.08 to 1.3Mev. Not self-indicating.	Electrospace Corp C-3050-123	N-62-B-2020		U/W CP-95()/PD
DT-61()/BQR-3 DT-61/BQR-3	Hydrophone	Provides acoustic attenuator to prevent ship's noise from entering hydrophone. Cancelled 7 June 1952.	Raytheon 1518	USN	CS-1013	P/O AN/BQR-3
DT-62()/PD DT-62/PD	Radiac Detector	Gamma rays detected; 40kv effective or greater detectable radiation energy within 10%.	Victoreen Inst Co 507	USN		U/W PP-671/PD
DT-63()/PD	Radiac Detecting Element	Photographic element emulsion for detection of X-ray and gamma ray detection. Range: 0.08 to 5Mev. Range: 50/100/200 roentgens. Cancelled 23 February 1955.	Polaroid Corp	SIGGG-N		U/W PH-656()/PD
DT-64()/PD DT-64/PD	Radiac Detecting Element	Self developing radiac detecting gamma and x-rays. Range: 0.05 to 10.0Mev. 1.0 to 60 roentgens.	Polaroid Corp	SIGGG-N	MIL-R-10843 (SigC)	U/W PH-656()/PD PH-650()/UD
DT-65()/PD DT-65/PD	Radiac Detecting Element	Measures integrated exposure of gamma or x-rays over range of 5 to 600 roentgens.		SIGGG-N	MIL-R-10843 (SigC)	U/W PH-656()/PD PH-650()/UD
DT-66()/UD DT-66/UD	Radiac Detector	Used to detect alpha radiation and produce an electrical pulse proportional to energy.	Industrial Nucleonics Berkeley Scientific	SCL-9499	SCL-2354	P/O OA-459()/UD
DT-67()/PD	Radiac Detector	Alkali halide crystal type gamma ray detector. Range: 0.2Mev to 5Mev. Cancelled 23 February 1955.	General Electric	SCL-9796		U/W IM-67()/PD
DT-68()/UDR-10 DT-68/UDR-10	Radiac Detector	Fixed installation type beta gamma detector. For subject's hands.	General Electric W106J75, W106J76 W106J107	USN	1220 Mod.	P/O AN/UDR-10
DT-69()/BQR-3A DT-69/BQR-3A	Hydrophone	Used on submarines as part of receiving equipment for listening and obtaining the bearing of any source of sound. Frequency response: 100 to 14,000cps.	Bendix Pacific Corp 549280	USN	SHIPS-S 133	P/O AN/BQR-3
DT-69A/BQR-3A	Hydrophone	Used on submarines as part of receiving equipment for listening and obtaining the bearing of any source of sound. Frequency response: 100 to 14,000cps.	Massa Electronics GA-1012	USN	MIL-H-15438 (SHIPS)	
DT-70/BQB-3A	Hydrophone Element	Used on submarines as part of receiving equipment for listening and obtaining the bearing of any source of sound. Frequency response: 100 to 14,000cps.	Bendix Pacific Corp 549285	USN	SHIPS-S-133	P/O AN/BQR-3A
DT-71()/U DT-71/U	Radio Frequency	Bolometer with coaxial mount for terminating RF transmission lines and providing a means to measure power in line. Frequency range: 4000 to 10,000Mc. 100 to 1000μw input.	PRD Electronics A10485	WL-51-R-1220		P/O AN/URM-25()
DT-72()/U DT-72/U	Radio Frequency Bolometer	RF line termination plus power measurement. Frequency range: 20 to 1000Mc. 100 to 1000μw input.	PRD Electronics A10302	WL-51-R1221		P/O AN/URM-19() MX-1305/URM-19
DT-73()/U DT-73/U	Radio Frequency Bolometer	RF line termination plus power measurement. Frequency range: 20 to 1000Mc. 100 to 1000μw input.	PRD Electronics A12902 Bruno Inc 59-2102	WL-51-R1222	MCREE-949	P/O MX-1310/URM-24 AN/URM-24()
DT-74()/U DT-74/U	Radio Frequency Bolometer	RF line termination plus power measurement. Frequency range: 20 to 1000Mc. Input: 5 to 50mw.	PRD Electronics A12553 Bruno Inc	WL-51-R-1223	MCREE-944	P/O AN/URM-20() MX-1308/URM-22
DT-75()/U	Radio Frequency Bolometer	RF line termination plus power measurement. Frequency range: 1000 to 4000Mc. Input: 100 to 1000μw.	PRD Electronics A10253	WL-51-R-1224		P/O AN/URM-21() MX-1306/URM-20
DT-76()/U DT-76/U	Radio Frequency Bolometer	RF line termination and power measurement. Frequency range: 1000 to 4000Mc. Input: 5 to 50mw.	PRD Electronics A12469 Bruno Inc 57-2102	WL-51-R-1225	RADC ENG-362	P/O AN/URM-22() MX-1309/URM-23

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DT-77()/PD DT-77/PD	Radiac Detecting Element	Detects gamma radiation for personnel protection. Range from 80kv to 1Mv.	Dupont 554	SCL-10773		U/W PH-657()/UD
DT-79()/BEQ-1	Radiac Detector	Thermal neutron detector using a proportional counter tube. Sensitivity: 2 to 2000 counts/sec.	Westinghouse Electric	USN	E-535142	P/O AN/BEQ-1()
DT-80()/BEQ-1	Radiac Detector	Fast neutron detector using enriched BF_3 proportional counter tube. Sensitivity: 20 to 10,000 counts/sec.	Westinghouse Electric	USN	E-535143	P/O AN/BEQ-1
DT-81()/BEQ-1	Radiac Detector	Gamma rays detected using Geiger-Mueller Tube 5979. Sensitivity: 2 to 1000 counts/sec.	Westinghouse Electric	USN	E-535144A	P/O AN/BEQ-1()
DT-82()/BEQ-1	Radiac Detector	Gamma rays detected using Geiger-Mueller Tube 5979. Sensitivity: 2 to 1000 counts/sec.	Westinghouse Electric	USN	E-535145	P/O AN/BEQ-1()
DT-83()/BEQ-1	Radiac Detector	Gamma rays detected using Geiger-Mueller Tube 5979 Sensitivity: 2 to 1000mr/hr.	Westinghouse Electric	USN	E-535147	P/O AN/BEQ-1()
DT-84()/BEQ-1	Radiac Detector	Irradiated gamma particles detected using Geiger-Mueller tube. Mounted in nuclear submarine compartments.	Westinghouse Electric	USN	E-535141	P/O AN/BEQ-1()
DT-86()/BEW-1	Neutron Detector	Indicates low neutron flux level. Thermal neutrons detected in the range of 10 to 10^4 N/cm^2	Westinghouse Electric	USN		P/O OA-334()/BEW-1
DT-87()/BEW-1	Neutron Detector	Used to indicate neutron flux density. Thermal neutrons detected in the range of 10^3 to 10^7 $N/cm^2/sec$.	Westinghouse Electric	USN		P/O OA-334()/BEW-1
DT-88()/BEW-1	Neutron Detector	Used to indicate neutron flux level. Thermal dectector in range of 10^6 to 10^{12} $N/cm^2/sec$.	Westinghouse Electric	USN	E-535174	P/O OA-334()/BEW-1
DT-89()/BEW-1	Neutron Detector	Uncompensated ion chamber. Thermal neutrons detected in the range of 10^{10} to 1.5×10^{12} $N/cm^2/sec$.	Westinghouse Electric	USN		P/O OA-334()/BEW-1
DT-91()/U DT-91/U	Exploring Coil	Electro-magnetic pick up device. Used to monitor tracing currents when locating faults in long and/or loaded cables. Frequency 20cps.	Western Electric Co	USA SCL-11332		P/O AN/PTM-1()
DT-92()/UQ DT-92/UQ	Hydrophone	Magnetostriction type hydrophone. As transmitter range is 0.3 to 50kc. As receiver 0.1 to 30kc.	Massa Electronics M-155A	USA Navy	MIL-H-15428 (SHIPS)	P/O NT-51080-C
DT-92A/UQ	Hydrophone	Magnetostriction type hydrophone. As transmitter range is 0.3 to 50kc. As receiver 0.1 to 30kc	Massa Electronics M-155	USA Navy	MIL-H-15428 (SHIPS)	U/W NT-51080-D
DT-93()/SQS-T2 DT-93/SQS-T2	Hydrophone	Receiver transducer. Used in connection with echo ranging equipment.	Airplane & Marine D-SK-216	USA Navy		
DT-94()/TS-E DT-94/TS-E	Vibration Velocity Pickup	Transducer for converting vibration velocity into electrical energy. Frequency range 10 to 2500cps.	M B Mfg Co 125	USA Navy		P/O AN/TSM-8
DT-96()/UD	Radiac Detector	Used to detect X and gamma radiation. Cancelled 23 February 1955.	Patterson-Moos Co	USA SCLE-4167	SCL-2629	U/W CP-166()/UD
DT-98()/PQM-1 DT-98/PQM-1	Hydrophone	Ammonium dihydrogen phosphate hydrophone. Frequency range 20 to 40,000cps.	Massa Electronics M-158,166	USA Navy	MIL-N-15576	P/O AN/PQM-1
DT-99()/PQM-1A DT-99/PQM-1A	Hydrophone	Ammonium dihydrogen phosphate hydrophone. Frequency range 20 to 40,000cps.	Massa Electronics M-158, 163	USA Navy	MIL-N-15576 (SHIPS)	P/O AN/PQM-1A
DT-101()/DR-27F DT-101/DR-27F	Radiac Detector	Detects beta and gamma rays using the Geiger-Mueller tube. Detectable radiation range 0.25Mev.	Admiral Corp 597B30-1	USA Navy		P/O AN/PDR-27F
DT-102()/PDR-40	Radiac Detector	Detects beta and gamma rays using Geiger-Mueller tube. Detectable radiation energy level 0.25Mev. For personnel protection.	Admiral Corp 597B40	USA Navy		P/O AN/PDR-40()
DT-103()/GSM-3 DT-103/GSM-3	Magnetic Detector	Senses bearing-to-shaft clearances through mutual inductance variations. Range: 6v at 0 clearance and 0.37v at 25m clearance.	Minnesota Elec Corp 107-287	USA Navy	MIL-E-16986 (SHIPS)	P/O AN/GSM-3
DT-104()/U	Radio Frequency Bolometer	Used to measure low level micro-wave power. Frequency range 2500 to 9600Mc.	Sperry Gyroscope Co 821	USA SCLE-4329		U/W CG-1061()/U CG-1062()/U CG-1063()/U TS-1779()/U
DT-105()/U DT-105/U	Radio Frequency Detector	RF detector. Frequency range 15 to 130Mc.	Transmitter Equip Mfg 2XL-8019	USA Navy	CS SHIPS R-449	
DT-106/PDR-27G	Radiac Detector	Detection of beta and gamma rays using Geiger-Mueller tubes. Detectable radiation energy range 0.2Mev or better.	National Electrical AD-11970-1 Specialty Electronics M1-5F	USA Navy	MIL-R-15213D MIL-E-17362C	P/O AN/PDR-27G
DT-107()/PRS-4 DT-107/PRS-4	Mine Detector	Used to detect buried metallic or non-metallic objects. Balanced mutual inductance bridge. Aural and visual indications.	Emerson Radio	USA Navy		P/O AN/PRS-4
DT-108()/U DT-108/U	Directional Coupler Detecting Element	Directional coupler detecting elements. Frequency range 25 to 60Mc, power range 0 to 10w Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-323		U/W ME-91/U
DT-109()/U DT-109/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 25 to 60Mc, power 0 to 25w Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-324		U/W ME-91/U
DT-110()/U DT-110/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 25 to 60Mc, power 0 to 50w Cancelled 8 September 1954.		USA AEL-53-325		U/W ME-91/U

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
DT-111()/U DT-111/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 25 to 60Mc, power 0 to 100 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-340		U/W ME-91/U
DT-112()/U DT-112/U	Directional Coupler Detecting Element	Directional coupler detecting element.Frequency range 25 to 60Mc, power 0 to 250 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-327		U/W ME-91/U
DT-113()/U DT-113/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 25 to 60Mc, power range 0 to 500 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-379		U/W ME-91/U
DT-114()/U DT-114/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 25 to 60Mc, power 0 to 1000 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-328		U/W ME-91/U
DT-115()/U DT-115/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 50 to 125Mc, power 0 to 10watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-329		U/W ME-91/U
DT-116()/U DT-116/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 50 to 125Mc, power 0 to 25 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-330		U/W ME-91/U
DT-117()/U DT-117/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 50 to 125Mc, power 0 to 50 watts. Cancelled 8 September 1954.	Bird Electronics	USAF AEL-53-330		U/W ME-91/U
DT-118()/U DT-118/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 50 to 125Mc, power 0 to 100 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-332		U/W ME-91/U
DT-119()/U DT-119/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 50 to 125Mc, power 0 to 250 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-333		U/W ME-91/U
DT-120()/U DT-120/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 50 to 125Mc, power 0 to 500 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-334		U/W ME-91/U
DT-121()/U DT-121/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 50 to 125Mc, power 0 to 1000 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-335		U/W ME-91/U
DT-122()/U DT-122/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 100 to 250Mc, power 0 to 10 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-336		U/W ME-91/U
DT-123()/U DT-123/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 100 to 250Mc, power 0 to 25 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-337		U/W ME-91/U
DT-124()/U DT-124/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 100 to 250Mc, power 0 to 50 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-338		U/W ME-91/U
DT-125()/U DT-125/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 100 to 250Mc, power 0 to 100 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-339		U/W ME-91/U
DT-126()/U DT-126/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 100 to 250Mc, power 0 to 250 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-340		U/W ME-91/U
DT-127()/U DT-127/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 100 to 250Mc, power 0 to 250 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-341		U/W ME-91/U
DT-128()/U DT-128/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 100 to 250Mc, power 0 to 1000 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-342		U/W ME-91/U
DT-129()/U DT-129/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 200 to 500Mc, power 0 to 10 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-343		U/W ME-91/U
DT-130()/U DT-130/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 200 to 500Mc, power 0 to 25 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-344		U/W ME-91/U
DT-131()/U DT-131/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 200 to 500Mc, power 0 to 50 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-345		U/W ME-91/U
DT-132()/U DT-132/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 200 to 500Mc, power 0 to 100 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-380		U/W ME-91/U
DT-133()/U DT-133/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 200 to 500Mc, power 0 to 250 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-346		U/W ME-91/U

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DT-134()/U DT-134/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 200 to 500Mc, power 0 to 500 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-347		U/W ME-91/U
DT-135()/U DT-135/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 200 to 500Mc, power 0 to 1000 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-348		U/W ME-91/U
DT-136()/U DT-136/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 400 to 1000Mc, power 0 to 10 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-349		U/W ME-91/U
DT-137()/U DT-137/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 400 to 1000Mc, power 0 to 25 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-350		U/W ME-91/U
DT-138()/U DT-138/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 400 to 1000Mc, power 0 to 50 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-351		U/W ME-91/U
DT-139()/U DT-139/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 400 to 1000Mc, power 0 to 100 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-352		U/W ME-91/U
DT-140()/U DT-140/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 400 to 1000Mc, power 0 to 250 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-353		U/W ME-91/U
DT-141()/U DT-141/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 400 to 1000Mc, power 0 to 500 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-354		U/W ME-91/U
DT-142()/U DT-142/U	Directional Coupler Detecting Element	Directional coupler detecting element. Frequency range 400 to 1000Mc, power 0 to 1000 watts. Cancelled 8 September 1954.	Bird Electronics	USA AEL-53-355		U/W ME-91/U
DT-149()/U DT-149/U	Radio Frequency Detector	Used for detecting RF voltage for display on a cathode ray tube.	Lewyt Mfg Co B-7652	USA WL-54-1060	ENC-367	P/O TS-452C/U
DT-150()/ASH-4 DT-150/ASH-4	Light Intensity Detector	Detects light intensity and produces appropriate electrical signals for the operation of an indicator.	Edgerton G & G Inc	USA AEL-54-165		P/O AN/ASH-4
DT-151/TSM-8A	Vibration Velocity Pickup	Seismic type. Frequency range 10 to 2500 cps. Coil resistance 600Ω. Adjusted for vertical vibration. Gives electrical output.	MB Mfg Co 124	USN		
DT-152()/BEQ-2 DT-152/BEQ-2	Gamma Radiac Detector	Integrating type GM tube. 5mr/hr to 5r/hr single scale indications. Sounds alarm when predetermined value of gamma flux is exceeded.	General Electric	USA USN		P/O AN/BEQ-2()
DT-154()/BEQ-2	Air-Particle Radiac Detector	Detects, computes, and indicates the beta radiation omitted from airborne radioactive dust particles. Range 10^{-7} to $2x10^{-5}$ microcuries per c.c.	General Electric	USA USN		P/O AN/BEQ-2()
DT-155()/U DT-155/U	Element Bolometer	A carbon aquadag type sensitive bolometer element for 4,000 to 10,000 M frequency range with less than 1.5:1 VSWR.	Bruno Inc RT-URM-24	USA WL-54-1231	MCREE-949	P/O DT-73/U
DT-156/TSM-11	Magnetic Field Detecting Element	Individual coil mounted on boom.	Texas Instruments Inc 40102	USN	XAE-108	P/O AN/TSM-11
DT-157()/U DT-157/U	Bolometer Element	Wollaston wire sensitive element whose frequency range is 1000 to 4000Mc per second with VSWR 1.3 to 1.	Bruno Inc 57-A-2201	USAF WL-54-2086	MCREE-941	P/O MX-1306/URM-20
DT-158()/UQ	Sonar Hydrophone	Barium titanate type hydrophone whose frequency range is 10 cycles to 50 kilocycles.	Chesapeake Inst Co AR-1	USN	SHIPS-R-1606	U/W PP-1317()/UQ AM-1227()/UQ
DT-160()/AKT DT-160/AKT	Motional Pickup Transducer	Transforms air speed index information into voltage output. 0 to 360° range, 0 to 5 volts output. Previously known as DT-160/AKT-7&().	Technology Inst Corp	AEL-56-R-337		P/O AN/AKT-7 U/W AN/AKT-10
DT-161()/AKT DT-161/AKT	Motional Pickup Transducer	Transforms air speed index information into voltage output. 0 to 360° range, 0 to 5 volts output. Previously known as DT-160/AKT-7&().	Technology Inst Corp	USA AEL-55-24	WCLR-169	P/O AN/AKT-7
DT-162()/AKT DT-162/AKT	Motional Pickup Transducer	Transforms manifold pressure information into voltage output. Range 0 to 5 volts for 0 to 60" of mercury. Previously known as DT-162/AKT-7&().	Colvin Labs 411.04	AEL-56-R-339	WCLR-169	P/O AN/AKT-7 U/W AN/AKT-10
DT-163()/AKT DT-163/AKT	Motional Pickup Transducer	Transforms engine rpm information into a useable form. Electric-magneto type pick-up, 0 to 4,200rpm. Previously known as DT-163/AKT-7&().	Electric Tachometer M1200	AEL-56-R-340	WCLR-169	P/O AN/AKT-7 U/W AN/AKT-10
DT-164()/AKT DT-164/AKT	Motional Pickup Transducer	Transforms air speed information into voltage analog. Range 0 to 500 knots corresponding to 0 to 5 volts. Previously known as DT-164/AKT-7&().	Colvin Labs 425.02	AEL-56-R-341	WCLR-169	P/O AN/AKT-7 U/W AN/AKT-10
DT-165()/AKT DT-165/AKT	Motional Pickup Transducer	Transforms altitude information into voltage output. Range 0 to 5 volts for 0 to 60,000ft. Previously known as DT-165/AKT-7&().	Colvin Labs 425.01	AEL-56-R-342	WCLR-169	P/O AN/AKT-7 U/W AN/AKT-10
DT-166()/AKT DT-166/AKT	Motional Pickup Transducer	Transforms altitude information into voltage. Range 0 to 5 volts for 1000 to 11,000 feet. Previously known as DT-166/AKT-7&().	Colvin Labs 425.01	AEL-56-R-343	EXH: WCLR-169	P/O AN/AKT-7
DT-167()/U DT-167/U	Radio Frequency Bolometer	A wollaston wire sensitive bolometer used for detecting RF energy up to 15mw, frequency range 300 to 12,400Mc.		USAF WL-55-1098		

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DT-169()/ARW-69	Motional Pickup Transducer	Target aircraft bellows controlled to produce appropriate electrical signals for controlling aircrafts speed.	Sommers Gyroscope Co 278A	USA AEL-55-306	WCLSE-2-281206	P/O AN/ARW-69()
DT-170/UQS-1	Sonar Hydrophone	Converts sound energy to electrical energy. Operating frequency 100kc.	General Electric	USN	SHIPS MIL-M-154C 59	P/O AN/UQS-1 AT-359B/UQS-1
DT-171/BQR-3	Sonar Hydrophone	Barium titanate type operating frequency of 500 to 20,000cps.	Harris Transducer 104,104B,104HP	USN	MIL-H-19077 (SHIPS)	U/W AN/BQR-3,3A
DT-172()/U DT-172/U	Thermal Resistor	A carbon aquadag sensitive bolometer element for 1,000 to 4,000Mc frequency range, with less than 1.3 to 1.0VSWR.	Bruno Inc 57-2201	USAF WL-55-2483	MIL-B-4959 (USAF)	P/O MX-1309/URM-23
DT-173()/AJN DT-173/AJN	Magnetic Azimuth Detector	Direction sensing device. Cancelled 19 March 1958.		AEL-56-95		
DT-173A/AJN	Magnetic Azimuth Detector	Cancelled 19 March 1958.		MIL-T-25521		
DT-174()/BDQ-1 DT-174/BDQ-1	Radiac Detector	Gamma ray detector using Geiger-Mueller tube. Energy detection range 50kev or greater.	Airborne Inst Lab 91530	USN	SHIPS-R-1921	
DT-175()/BDQ-1 DT-175/BDQ-1	Radiac Detector	Thermal neutron detector for personal protection, non-separable defecting element.	Airborne Inst Lab 3097-35E6	USN	SHIPS-R-1921	
DT-176()/AJN DT-176/AJN	Magnetic Azimuth Detector	Direction sensing device. Senses magnetic north.		AEL-56-283		
DT-177/UQ	Sonar Hydrophone	Accurate underwater sound pressure measurements over frequency range of 100 to 150,000cps.	Dyna-Empire Inc C-3386	USN	SHIPS-T-1506	U/W AN/FQM-1
DT-183()/AKT DT-183/AKT	Motional Pickup Transducer	Transforms engine rpm into useable voltage form. Range 0 to 4600rpm. Output voltage 6v per 100rpm.	Tele-Dynamic Co	AEL-57-306	EXH: ECL-1044 AMEND 3	U/W AN/AKT-7
DT-184()/AKT DT-184/AKT	Motional Pickup Transducer	Transfers altitude information into useable voltage information. Range 0 to 6600 feet, voltage 0 to 5 volts.	Colvin Labs	AEL-57-307	EXH: WCL-1044 Amend-3	U/W AN/AKT-7
DT-185()/AKT DT-185/AKT	Motional Pickup Transducer	Transforms airspeed information into voltage output. Range 60 to 200 knots. Voltage output 0 to 5 volts.	Colvin Labs	AEL-57-308	EXH: WCL-1044 Amend-3	U/W AN/AKT-7
DT-186()/AKT DT-186/AKT	Motional Pickup Transducer	Transforms air speed information into voltage output. Range 40 to 350 knots. Output voltage 0 to 5 volts.	Colvin Labs	AEL-57-309	EXH: WCL-1044	U/W AN/AKT-7
DT-188/PDR-45	Radiac Probe	Beta and gamma rays accepted but no detection. Element included.	Electronic Products 504	USN-396		P/O AN/PDR-45 U/W IM-131/PDR-45
DT-188A/PDR-45	Radiac Probe	Beta and gamma rays accepted but no detection element included. Used for personnel protection.	Electronic Products 507-119	USN-58-b-1825		P/O AN/PDR-45A U/W IM-131A/PDR-45
DT-189/GSM-3A	Magnetic Detector	Mumetal U-shaped probe coil. Senses bearing to shaft clearances through mutual inductance variations.	Consolidated Avionics	USN-397	SHIPS-M-2241	P/O AN/GSM-3A
DT-190()/PDR-27	Radiac Detector	Beta and gamma ray detection using Geiger-Mueller tube. Range 80,000 to 2Mev.	Victoreen Inst Co	USN-57-b-482		P/O AN/PDR-27()
DT-191/PDR-49	Radiac Detector	Detects thermal slow or fast neutrons. Range of 0.25 to 14Mev.	Nuclear Chicago Corp DN-3			P/O AN/PDR-49,49A U/W CP-371A/PDR-49
DT-191A/PDR-49	Radiac Detector	Boron tri floride neutron detector. Range 0.25Mev.	Nuclear Chicago Corp DN-3	USN-59-b-2054		P/O AN/PDR-49A U/W CP-371A/PDR-49
DT-192/PDR-47A	Radiac Probe	Designed for response approx. proportional to fast neutron tissue dose. Detects fast neutrons in the range 0.2 to 10Mev by the proton recoil method.	Nucor Research Inc F-1	USN-57-b-1004		P/O AN/PDR-47A U/W IM-136/PDR-47A
DT-192A/PDR-47A	Radiac Probe	Designed for response approx proportional to fast neutron tissue dose. Detects fast neutrons in the range 0.2 to 10Mev by the proton recoil method.	Nuclear Corp of Amer F-1 (Mod)	N-59-b-2916	MIL-E-17362B (SHIPS)	P/O AN/PDR-47B U/W IM-136A/PDR-47A
DT-194/URM-17A	Electrical Field Measuring Probe	Isolates RF field from direct source of power. Frequency range 375 to 1000Mc.	Stoddart Aircraft 91477-1	USN-57-X-1092	SHIPS-1 2714	P/O AN/URM-17A
DT-195/DPM-7	Motional Pickup Transducer	Translates wing motions into electrical signals. Range is 0.33v/degree.	Raytheon 2601-5003G1	USN-57-Q-1780		P/O AN/DPM-7
DT-196/PDR-27J	Radiac Detector	Two GM tubes (Jan 5980 and Jan 5979). 5980 tube: 500 and 50mr/hr. 5979 tube: 5 and 0.5mr/hr radion detection. Sensitivity recorded on 4 scale range meter.	Chatham Electronics C-1130 Northeastern Eng Inc 11315 Carol Electronics	USN-57-b-1786	SHIPS-R-2446	P/O AN/PDR-27J AN/PDR-27L AN/PDR-27P
DT-197/PDR-51	Radiac Detector	1B85 beta detector and a gamma geiger tube. Plateau lg 300v (min), plateau slope 3%/100v (max).	Beckman Instruments 20	N-58-b-432		P/O AN/PDR-51
DT-198()/AJN DT-198/AJN	Magnetic Azimuth Detector	Detects magnetic north and sends 800cps azimuth signal to compass equipment. Compensates for field of plane.		AEL-58-134	MIL-T-25521 (ASG)	
DT-202()/U	Radio Frequency Bolometer	Range 1000 to 4000Mc: Sensing Element: barretter, thermistor, or 0.01 amp instrument fuse. Used in making microwave power measurements.	Hewlett-Packard 475B	SESA-58-230		U/W AN/URM-61
DT-203()/AKT-15 DT-203/AKT-15	Space Phenomena Transducer	Transducer head to record natural phenomena at extreme altitudes.		SWV-58-136		
DT-204()/AKT-15 DT-204/AKT-15	Space Phenomena Transducer	Transducer head to record natural phenomena at extreme altitudes.		SWV-58-137		
DT-205()/AKT-15 DT-205/AKT-15	Space Phenomena Transducer	Transducer head to record natural phenomena at extreme altitudes.		SWV-58-138		

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DT-206()/AKT-15 DT-206/AKT-15	Space Phenom-ena Transducer	Transducer head to record natural phenomena at extreme altitudes.		SWV-58-139		
DT-207()/AKT-15 DT-207/AKT-15	Space Phenom-ena Transducer	Transducer head to record natural phenomena at extreme altitudes.		SWV-58-140		
DT-208()/AKT-15 DT-208/AKT-15	Space Phenom-ena Transducer	Transducer head to record natural phenomena at extreme altitudes.		SWV-58-141		
DT-209()/USM-101	Directional Coupler Detecting Element	Detachable directional coupler for detecting RF power for proper meter use. Frequency range 25Mc to 250Mc. Cancelled 25 November 1959.	Sierra Electronics 181-250	SESA-58-307		P/O AN/USM-101()
DT-210()/USM-101	Directional Coupler Detect-ing Element	Detachable directional coupler for detecting RF power for proper meter use. Frequency range 200 to 1000Mc Cancelled 25 November 1959.	Sierra Electronics 181-1000	SESA-58-308		P/O AN/USM-101()
DT-212/PDR-54	Radiac Probe	Detects alpha particles. Detectable energy range 1 million electron volts.	Eberline Instrument 10032-76	USN-59-b-1058		P/O AN/PDR-54 U/W IM-154/PDR-54
DT-213()/GRQ-2 DT-213/GRQ-2	Error Signal Detector	Detects and indicates range tracking errors and sends this information to the computer for correction.	General Electric PL7616945G1	WDD-59-39		P/O OA-1833/GRQ-2
DT-214()/USM-68	Radio Frequency Bolometer	Precision measurement of absolute radio frequency power in the frequency range of 0.5 to 11km cycles.	Bruno Inc 135-3901	WL-59-1636	MIL-B-9560 (USAF)	P/O AN/USM-68
DT-215()/USM-68 DT-215/USM-68	Bolometer Element	A wollaston wire sensitive element for 0.5 to 11 kilomegacycles/second frequency range.	Bruno Inc 135-2510 135-2511	WL-59-1637		P/O DT-214/USM-68 DT-216/USM-68
DT-216()/USM-68 DT-216/USM-68	Radio Frequency Bolometer	Used in precision measurement of absolute radio freq. power in range of 0.5 to 11.0k megacycles.	Bruno Inc 135-3900	WL-59-1638	MIL-B-9560 (USAF)	U/W AN/USM-68
DT-217()/USM-68 DT-217/USM-68	Bolometer Element	A wollaston type wire sensitive element for 0.5 to 11 kilomegacycles per second frequency range.	Bruno Inc 135-2510 135-2511	WL-59-1639		P/O DT-216/USM-68 DT-214/USM-68
DT-218()/FJW-1	Nuclear Weapons Overpressure Detector	Detects overpressures associated with detonation of Nuclear weapon. Lower limit 1psi. Waterproof housing. Upon receiving the proper shock wave, seconary control relay in C-3020()/FJW-1 is de-energized.		SEL-59-1273		P/O AN/FJW-1(V)
DT-219()/FJW-1	Thermal Radiation Detector	Located atop of tower etc. for maximum coverage. Sensitive to rise time and duration of thermal pulse of detonation. De-energizes control relay found in C-3020()/FJW-1 which illuminates visual indicators.		SEL-59-1274		P/O AN/FJW-1(V)
DT-220()/FJW-1	Gamma Radiation Detector	Ionization type or scintillation type. Circuit rejects ambient type radiation. Sensitivity: 3.6mr/hr overtime interval of 10msec.		SEL-59-1275		P/O AN/FJW-1(V)
DT-221()/GSQ-39 DT-221/GSQ-39	Reference Pulse Detector	Detects the presence of a framing character at the beginning of every data block.	Hoffman Electronics 123-54-312-00-00-01	AEL-59-939		P/O OA-2216/GSQ-33
DT-222()/GPM-41 DT-222/GPM-41	Light Intensity Detector	Consists of an arrangement of optical lenses, photomultiplier, amplifier, mask and motor drive for the purpose of calibrating light output and display position of Radar Target Indicator IP-516()/APS-94.	Motorola Inc 20141372	SESA-60-2061		P/O AN/GPM-41()
DT-223()/D DT-223/D	Acceleration Displacement Detector	Senses, measures and transmits missile roll angular displacement and maneuver linear acceleration data to the IM-99A Guided Missile Flight Control System.	Boeing Aircraft Co 1420-631-4197 55-3016-10	AEL-60-65		P/O IM-99A
DT-224/PDR-56	Radiac Probe	Sensing element for Radiacmeter IM-160/PDR-56. Contains a scintillating screen, a light pipe and the photo-multiplier tube.	Tracerlab Inc	N-60-b-340		P/O AN/PDR-56 U/W IM-160/PDR-56
DT-224A/PDR-56	Radiac Probe	Converts alpha radiation to light pulses by ZnS(Ag) screen and transmits this light via a light pipe to the photomultiplier tube. 3Mev or greater. Two-way interchangeable with DT-224/PDR-56.	Nuclear Research A-1123	N-63-b-184		P/O AN/PDR-56B U/W IM-160B/PDR-56
DT-226()/FPS-24 DT-226/FPS-24	Video Signal Detector	dc to 1Mc; rectifier data: Crystal diode type 1N198; filtered output. Detects changes in video waveform presented by preceeding circuitry of other equipment.	General Electric 7623196G1	WL-60-1772	MIL-R-26427	P/O OA-2796/FPS-24
DT-227()/FPS-6 DT-227/FPS-6	Video Signal Detector	Detects the amplified intermediate frequencies in the order of 30Mc.	General Electric 7624935G1	WL-60-2660	MIL-R-26463	P/O OA-2886/FPS-6
DT-228/PDR-56	Radiac Probe	Converts alpha particles to light pulses by ZnS(Ag) screen. 3Mev or greater. Interchangeable with DT-224/PDR-56 in AN/PDR-56 series radiac set.	Tracerlab Inc Nuclear Research A-1122	N-60-b-2362	SHIPS R-3366 ADD 2 MIL-R-22938 (SHIPS)	P/O AN/PDR-56,56A 56B U/W IM-160/PDR-56 IM-160A/PDR-56 IM-160B/PDR-56
DT-229()/TYA-13(V) DT-229/TYA-13(V)	Ready-Start Word Detector	Accepts base-band data signals and detects a ready-start word.	Western Electric Co GS-61001	SIMSA-60-2518		P/O AN/TYA-13(V)
DT-230()/TYA-13(V) DT-230/TYA-13(V)	Timing Phase Detector	Accepts base-band data signals at a 750bit per second rate and a ready start signal and provides a train of timing pulses.	Western Electric Co GS-61002	SIMSA-60-2522		P/O AN/TYA-13(V)
DT-231()/TYA-13(V) DT-231/TYA-13(V)	Line Fault Detector	Accepts signals from a demodulator operating with switched input to eliminate possible bad effects of switching transients and to detect open or very noisy lines.	Western Electric Co GS-61005	SIMSA-60-2534		P/O AN/TYA-13(V)
DT-232()/TYA DT-232/TYA	Timing Phase Detector	Accepts base band data signals at a 750 bit per second rate and provides a train of timing pulses phased to the centers of the data signals.	Western Electric Co GS-61003	SIMSA-60-2601		P/O OA-2917/TYA-14
DT-233()/TYA DT-233/TYA	Timing Phase Detector	Accepts base-band data signals at a 1500bit per second rate and provides a train of timing pulses in phase with the center of the individual data signals.	Western Electric Co GS-6100A	SIMSA-60-2604		P/O OA-2919/TYA-15

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DT-234( )/TYA DT-234/TYA	Ready Start Word Detector	Circuitry required to accept base-band data signals and detects a ready-start word.	Western Electric Co GS-61007	SIMSA-60-2608		P/O OA-2917/TYA-14 OA-2919/TYA-15
DT-236( )/PD	Radiac Detector	A silicon junction detecting element to measure total cumulative neutron dose to which the wearer has been exposed.	Battelle Memorial	SEL-60-403		
DT-237( )/ARC-86 DT-237/ARC-86	Radio Frequency Detector	Detects and demodulates the FM signals from Radio Frequency Amplifier AM-2864/ARC-86&( ). Provides voice output for interphone system.	Bendix Radio	AEL-60-1046		P/O AN/ARC-86
DT-238/GVH-1A	Light Intensity Detector	12 to 20mv output. 50 thermocouples in series to measure solar radiation falling upon a horizontal plane.	Eppley Laboratories 50 JNCT	SESA-60-1374		P/O AN/GVH-1A
DT-239/ASQ-10	Magnetic Detecting Head	Provides signal of local magnetic disturbances and provides error signals for orientation of sensing element. Measures local magnetic disturbances in the earths magnetic field.	Dalmo Victor Co	N-61-W-87	MIL-D-19142 (AER)	P/O AN/ASQ-10
DT-240/PDR-47C	Radiac Probe	0.25 to 14Mev. Element included. Equivalent to EID probe. Contains counter amplifier and univibrator.	Nuclear Corp of Amer F1A	N-61-b-406		P/O AN/PDR-47C
DT-243( )/PDR-60	Radiac Probe	Detects alpha particles. Approximately 2Mev or greater detectable radiation energy range.	Eberline Instrument 10031-01	SIMSA-61-104		P/O AN/PDR-60( )
DT-244/FQA-6	Maximum Voltage Detector	This unit is designed to produce an output pulse for each input signal pulse of successively greater amplitude.	Western Electric Co GS-65417	N-61-n-881		P/O AN/FAQ-6
DT-245( )/FPS-6 DT-245/FPS-6	Video Signal Detector	Detects the amplified intermediate frequencies in the order of 30Mc.	General Electric 7627801G1	WL-61-2284	MIL-R-26463	P/O OA-3439/FPS-6
DT-246( )/FPS-6 DT-246/FPS-6	Video Signal Detector	Cancelled 9 November 1961.	General Electric 7093221G1	WL-61-C-3562		P/O OA-3450/FPS-6
DT-247/A	Light Intensity Detector	Detects light intensity changes. Upon detecting a light change of 50 ft. candles this unit delivers a nominal 28 volt output pulse 0.023 sec. in duration to the camera system.	Autronics Corp 1222-2	N-61-W-1721		U/W P3V-1
DT-249/MSQ-28	Detector Unit	A part of the ARDME Detector Group, which collects and sums the radar return data within a predicted gate volume, supplied by the tracking computer.	Hughes Aircraft Co 501031-100	SIMSA-61-4093	ADA-19A w/amend. 1	P/O OA-2308/MSQ-28
DT-249A/MSQ-28	Detector Unit	A part of the ARDME Detector Group, which collects and sums the radar return data within a predicted gate volume, supplied by the tracking computer.	Hughes Aircraft Co 501031-101	SIMSA-61-4094	ADA-19A w/amend.1	P/O OA-2308/MSQ-28
DT-250( )/TMQ-14 DT-250/TMQ-14	Height Set Detector	Detects and amplifies infrared energy emitted by cloud height projector as it is scattered by cloud cover.	Barkely and Dexter UYL-b-3000-DL	CRC-61-116	EXH: AFCRL 60-4	P/O AN/TMQ-14
DT-251( )/TYA-13(V) DT-251/TYA-13(V)	Parity Rate Failure Detector	Provides an indication for each of 4 transmission lines when the percentage of received messages with faulty parity exceeds a selected rate.	Western Electric Co SM-D-368829	SIMSA-61-4350		P/O AN/TYA-13(V)
DT-252( )/GYK-2 DT-252/GYK-2	Audio Frequency Detector	Detects, amplifies and transmits launch enable and interrogation signals to VRSA and safety control switch.	Radio Corp of Amer 8323661-501	WDD-62-5906		P/O OA-3593/GYK-2 U/W AN/GYK-2
DT-254/TSC-15	Audio Frequency Detector	Detects 20cps ring signal from field phone EE-8 or TA-43. Can also detect 1290 and 1400cps signal as received over a radio link.	Collins Radio 528-0193-005	N-62-T-578		P/O OA-3129/TSC-15
DT-255( )/USM-161 DT-255/USM-161	Radio Frequency Bolometer	10Mc to 10kMc frequency range. Thermistor sensitive element, temperature compensated.	Gen Microwave Corp N402-1	SIMSA-62-190		P/O AN/USM-161
DT-256( )/FSA-37 DT-256/FSA-37	Audio Frequency Detector	Detects 400cps error signal to produce dc error voltage. Contains class A cascade amplifier and peak type half wave demodulator.	Radio Corp of Amer 8606315-501	WL-62-1910		P/O AN/FSA-37
DT-257( )/FSA-37 DT-257/FSA-37	Video Signal Detector	50cps to 100kc. Detects video signal and provides an integral level dc voltage output. Contains: summing, referencing and signal inverting circuits.	Radio Corp of Amer 8604867-501	WL-62-1842		P/O AN/FSA-37
DT-258( )/FPS-49 DT-258/FPS-49	Video Signal Detector	Detects 60kc input. Provides video signal output.	Radio Corp of Amer 646970-501	WL-62-2088		P/O OA-3537/FPS-49
DT-259( )/ASW-22 DT-259/ASW-22	Video Signal Detector	45±0.3Mc. Controls phase shift in elevation and azimuth IF signal channels. Generates bipolar video signals.	Republic Aviation MSD199C33100	N-62-W-723	MIL-E-5400	P/O AN/ASW-22
DT-260( )/FPS-49 DT-260/FPS-49	Audio Frequency Detector	ac signal input is peak detected and supplied as dc signal output.	Radio Corp of Amer 8309522-501	WL-62-2249		P/O OA-3553/FPS-49
DT-261/PDR-27M	Radiac Detector	Modified version of DT-196/PDR-27J. Probe is more sensitive and 360° coverage for gamma and gamma-beta radiation monitoring. U/W IM-141/PDR-27J and IM-176/PDR-27NX.		N-62-b-1265		P/O AN/PDR-27M AN/PDR-27NX
DT-262/SPG-55A	Velocity Detector	Sends 50v bus to indicator panel whenever a preset threshold velocity is exceeded by elevation rate of 400cps, traverse rate of 400cps and range and radial velocity signals.	Sperry Gyroscope 2380318	N-62-W-1183		P/O OA-4093/SPG-55A
DT-263/SPG-55A	Target Detector	Detects: whether AAJAC and radar ranging system are tracking same target; whether target is present; whether radar range gate is entering chaff region.	Sperry Gyroscope 2380321	N-62-W-1184		P/O OA-4093/SPG-55A
DT-264( )/F DT-264/F	Audio Detector	Detects positive portion of input and has dc output.	Radio Corp of Amer 8608087-501	WL-62-2582		P/O OA-4079/F OA-4038/FSQ-42
DT-265( )/FPS-74 DT-265/FPS-74	Coded Pulse Detector	Amplitude limits and detects input signal. Output is video signal and amplitude is proportional to frequency deviation from center frequency 23.3Mc.	Budd Electronics 1201A28-0000	WL-62-3561		P/O OA-4124/FPS-74
DT-266( )/FPS-74 DT-266/FPS-74	Temperature Detector	A sensory unit for cooling capacity measurements. U/W a temperature measuring bridge.	Budd Electronics 219A000-000	WL-62-3720		U/W AN/FPS-74

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DT-267( )/MSQ-28B DT-267/MSQ-28B	Detector Unit	Collects and sums radar return data within predicted gate volume supplied by the tracking computer. Replaced DT-249/MSQ-28 (not interchangeable).	Hughes Aircraft Co 501031-110	SIMSA-62-2899	SCTR ADA-19A w/amend 1	P/O OA-4333/MSQ-28B
DT-267A/MSQ-28B	Detector Unit	Same description as DT-267/MSQ-28B except replaces but not interchangeable with DT-249A/MSQ-28.	Hughes Aircraft Co 501031-111	SIMSA-62-2900	SCTR ADA-19A w/amend 1	P/O OA-4333/MSQ-28B
DT-268( )/PQM	Sonar Hydrophone	9cps to 25kc. head Zirconate type. Intended for use with a new noise measuring set to replace AN/PQM-1A.		N-62-X-2117	SHIPS-H-4202	
DT-269( )/PRD-60	Radiac Probe	Scintillation type gamma rays. Preamp included. Used primarily for plutonium detection.	Eberline Instrument PG-1	USAEMSA-62-474		P/O AN/PDR-60( )
DT-270/U	Radio Frequency Bolometer	3.95 to 5.85kMc. Max power 10mw; VSWR 1.5. Used with microwave power meters to measure average power of low duty cycle pulses.	Hewlett-Packard G487B	N-62-T-2169		
DT-271( )/APQ-96	Transponder Performance Detector	Gives go-no-go data about AN/APX-44 during in-flight operation. Checks xmitter frequency, peak power, power, bracket decode, interrogation frequency, receiver sensitivity and insertion VSWR.		EMSA-62-509	SC-A-46656A	P/O AN/APQ-96( )
DT-272/USM-174	Radio Frequency Bolometer	100 to 8200Mc, Z=50Ω. Used to detect RF input signals.	Control Electronics N-301-0-1	N-62-X-2423	SHIPS-T-3241	P/O AN/USM-174
DT-273( )/GPM-52 DT-273/GPM-52	Light Intensity Detector	10cps to 3.5Mc. 400mv/#lumen max output. Calibrates light output and display position of IP-516/APS-94. Contains an internal standard.	Motorola 201-42449	EMSA-62-1503		P/O AN/GPM-52
DT-274( )/MSQ-54 DT-274/MSQ-54	Radar Data Error Detector	Demodulates the radar error signals by means of 3 electronic choppers and applies the dc outputs to the X,Y, and Z smoothing networks.	Reeves Inst 175758	WL-62-4691		P/O OA-4503/MSQ-54
DT-275( )/MSQ-54 DT-275/MSQ-54	Radar Data Error Detector	Detects 30cps azimuth or elevation tracking error of antenna and produces an error modulated 400cps driving signal. This signal then repositions the antenna.	Reeves Inst 175765	WL-62-4732		P/O OA-4507/MSQ-54
DT-277( )/FLA-4 DT-277/FLA-4	Video Signal Detectors	Picks 30Mc video signal off incoming IF in Simulator Set AN/FLA-4.	General Electric 723159G1	WL-62-5807		P/O AN/FLA-4
DT-278( )/ARC-102	Neutralizing Detector	Used during driver and feedback neutralizing procedures.	Collins Radio CPN 548-3533-003	EMSA-63-114		P/O MK-722( )/ARC-102
DT-5001/FDR-501	Radiac Detecting Element	Ionization chamber type. Detects beta and gamma rays. 1 to 1,000,000r/hr detectable radiation range.	Victoreen Inst Co A747A	CA-479		P/O AN/FDR-501
DT-5001A/FDR-501	Radiac Detecting Element	Ionization type detecting element. Beta and gamma rays detected.		CA-62-620	CA-N103-P	P/O AN/FDR-501A
DT-5002/FDR-501	Radiac Detecting Element	Ionization type. Beta and gamma rays.1 to 1,000,000 mr/hr. Detectable range.	Victoreen Inst Co A718A	CA-480		
DT-5002A/FDR-501	Radiac Detecting Element	Ionization type detecting element. Beta and gamma rays detected.		CA-62-621	CA-N103-P	P/O AN/FDR-501A
DT-5003( )/FSH-501	Light Intensity Detector	Used to detect nuclear explosions. 360° vision. Convert initial pulse of light (30 to 450Msec) to electric pulse.		CA-62-569	CA-A155 Issue I	
DT-5004( )/ADR-501	Radiac Detector	Ionization type detecting element. May be mounted externally to light aircraft or helicopters to permit radiation detection over a large area.		CA-62-634		P/O AN/ADR-501

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FR-1()/U FR-1/U	Frequency Calibration	10 to 20Mc±0.01% in 10 ranges, crystal calibrator. Harmonic range: 300kc and 300Mc. Heterodyne meter.	General Radio Co 620AR	USN		
FR-2()/U FR-2/U	Reference Cavity	2.4 to 3.4kMc manual tuning. Hermetically sealed. Suitable for measuring CW and pulse type signals.	Polytechnic Res & Dev	AAF ARL-46-381		
FR-3()/U	Frequency Meter	2.4 to 3.4kMc, Crystal demodulator for providing a means of video display of signals on a synchroscope.	PRD Electronics 560	ARL-46-382		
FR-4()/U FR-4/U	Frequency Meter	100kc to 20Mc ±0.001%, 7 switching positions. Internal crystal calibration provided.	Sparks-Withington Co	SCLM-6464	MIL-F-11068	P/O AN/URM-79() AN/URM-82() 5()
FR-5()/U FR-5/U	Frequency Meter	10 to 100Mc ±0.001% calibration, 3 switching posititons. Internal oven controlled crystal calibration.	Lavoie Labs	USA SCLM-6299	MIL-F-11069 (SigC)	P/O AN/URM-5()
FR-5A/U	Frequency Meter	10 to 100Mc ±0.001%, internal crystal calibration provided. Interchangeable with FR-5/U.		SESA-60-116		P/O AN/URM-80
FR-6()/U FR-6/U	Frequency Meter	100 to 500Mc ±0.001%, two switching positions. Internal oven crystal controlled calibration.	Lavoie Labs	SCLM-6470	MIL-F-10636 (SigC)	P/O AN/URM-81()
FR-7()/UP FR-7/UP	Echo Box	5440 to 5835Mc. Consists of resonant cavity crystal rectifier and meter. Manually tuned.	Johnson Service Co SA-16440	USN	SHIPS-R-244	P/O AN/SPS-4
FR-8()/U	Frequency Meter	3.95 to 5.85kMc ±0.03%, 1 band. Transmission type. Has linear frequency dials and hermitically sealed cavity.	PRD Electronics	WL-45-826		
FR-9()/U FR-9/U	Frequency Meter	5.85 to 7.05kMc ±0.03%, transmission type. Has linear frequency dials and hermitically sealed cavity.	PRD Electronics	WL-45-R-2077	EXH: WLENG-2088	
FR-10()/U	Frequency Meter	7.05 to 8.20kMc ±0.03%. Transmission type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	WL-45-828		
FR-11()/U	Frequency Meter	7.05 to 8.20kMc ±0.03%, transmission type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	WL-45-829		
FR-11()/MPQ-4A FR-11/MPQ-4A	Tuned Cavity	15.8 to 16.2kMc, tunable. Contains: crystal detector, hermetically sealed μammeter and submersion proof case.	PRD Electronics	SCEL-57-1276		
FR-12()/U	Frequency Meter	8.20 to 10kMc ±0.03%, transmission type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	SCEL-45-830		
FR-13()/U	Frequency Meter	8.20 - 10kMc ±0.03%, transmission type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	WL-45-831		
FR-14()/U	Frequency Meter	3.95 to 5.85kMc ±0.03%, absorption type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	WL-45-832		
FR-15()/U	Frequency Meter	5.85 to 7.05kMc ±0.03%, absorption type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	WL-45-833		
FR-16()/U	Frequency Meter	7.05 to 8.20kMc ±0.03%. Absorption type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	WL-45-834		
FR-17()/U	Frequency Meter	7.05 to 8.20kMc ±0.03%. Absorption type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	WL-45-835		
FR-18()/U	Frequency Meter	8.20 to 10kMc ±0.03%. Absorption type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	WL-45-836		
FR-19()/U	Frequency Meter	8.20 to 10kMc ±0.03%. Absorption type. Has linear frequency dials and hermetically sealed cavity.	PRD Electronics	WL-45-837		
FR-20()/U FR-20/U	Wavemeter	1.7 to 4.6 and 4.0 to 13.0Mc ±3%, 2 bands. Absorption type. No power required.	Radio Corp of Amer 8857603-501	USN	CS-1260	P/O AN/GRC-13
FR-21()/U FR-21/U	Frequency Calibrator	5cps to 50kc ±2%, ten steps. Electronic type.	Hewlett-Packard 500A	USN		
FR-22()/U	Wavemeter	15 to 18kMc ±0.03%. Transmission type.	PRD Electronics	WL-45-1029		
FR-23()/U	Wavemeter	10 to 12.4kMc ±0.03%. Transmission type.	PRD Electronics	WL-45-1030		
FR-24()/U	Wavemeter	12.4 to 15.0kMc ±0.03%. Transmission type.	PRD Electronics	WL-45-1031		
FR-25()/U	Wavemeter	18 to 22kMc ±0.03%. Transmission type.	PRD Electronics	WL-45-1032		
FR-26()/U	Wavemeter	22.0 to 26.5kMc ±0.03%. Transmission type.	PRD Electronics	WL-45-1033		
FR-27()/U	Wavemeter	26.5 to 32.0kMc ±0.03%. Transmission type.	PRD Electronics	WL-45-1034		
FR-28()/U	Wavemeter	32.0 to 39.0kMc ±0.03%. Transmission type.	PRD Electronics	WL-45-1035		
FR-29()/U	Wavemeter	10.1 to 12.4kMc ±0.03%. Absorption type.	PRD Electronics	WL-45-1036		
FR-30()/U	Wavemeter	12.4 to 15.0kMc ±0.03%. Absorption type.	PRD Electronics	WL-45-1037		
FR-31()/U	Wavemeter	15.0 to 18.0kMc ±0.03%. Absorption type.	PRD Electronics	WL-45-1038		
FR-32()/U	Wavemeter	18.0 to 22.0kMc ±0.03%. Absorption Type.	PRD Electronics	WL-45-1039		

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FR-33()/U	Wavemeter	22.0 to 26.5kMc ±0.03%. Absorption type.	PRD Electronics	WL-45-1040		
FR-34()/U	Wavemeter	26.5 to 32.0kMc ±0.03%. Absorption type.	PRD Electronics	WL-45-1041		
FR-35()/U	Wavemeter	32.0 to 39.0kMc ±0.03%. Absorption type.	PRD Electronics	WL-45-1042		
FR-36()/U	Frequency Meter	160kc to 30Mc ±0.003% or ±50cps. Uses low frequency crystal for calibration. Has heterodyne oscillator.		USN	16F1(RE) ADD # 1	
FR-37()/U	Frequency Calibrator	10kc to 50kc harmonic to 20Mc. Crystal controlled.		SCL-6666	SCL-3109	P/O AN/FSM-3()
FR-38()/U	Frequency Meter	10cps to 100Mc ±1 count, 4 calibrated outputs. Internal frequency standard used for calibration.	Hewlett-Packard 524B Lavoie Labs	USA USN	MIL-F-7847	P/O AN/USM-26
FR-38A/U	Frequency Meter	10cps to 10Mc ±1 count, 4 calibrated outputs. Interchangeable with FR-38/U.	Hewlett-Packard 524B*	USN	MIL-F-7847	
FR-38B/U	Frequency Meter	Same description as FR-38A/U.	Hewlett-Packard 524B(N)	USN 1582	MIL-F-7847A (AER)	
FR-38C/U	Frequency Meter	Same description as FR-38A/U.	Northeastern Eng Inc D-17566	USN-57-Q-970	MIL-F-7847A (AER)	P/O AN/USM-26
FR-38D/U	Frequency Meter	Same description as FR-38A/U.	Northeastern Eng Inc 109000	USN-57-Q-1526	MIL-F-7847A (AER)	P/O AN/USM-26
FR-39()/U FR-39/U	Wavemeter	56.0 to 400Mc ±2%. No power supply. Absorption type.	General Radio Co 758-A	USN SCL	MIL-W-12958	
FR-40()/GSM-1 FR-40/GSM-1	Frequency Meter	50 to 70cps ±0.3cps. In 0.2cps steps. Has mirrored scale. For checking nominal 60 cycle sources.	Espey Mfg Co General Electric P-3 21.982	USA SCLC-10096	MIL-F-11650	P/O AN/GSM-1()
FR-40A/GSM-1	Frequency Meter	Same description as FR-40/GSM-1.	Dunbrow Development P-432-1	USA SCLM-1228	MIL-R-11650	P/O AN/GSM-1
FR-41()/U	Echo Box	130 to 154Mc. Manually tuned. Calibrated. Built-in Q compensation for constant ring time.		WL-45-1858	EXH: WLENG-1167	
FR-42()/U FR-42/U	Tuning Fork	1000cps fixed -0.008%/°F. Marked calibration.	General Radio Co 813-A	USN		
FR-43()/URM-18 FR-43/URM-18	Frequency Meter	100cps to 2Mc ±0.1%, 9 switching positions. Heterodyne type.	General Radio Co 1106-A	SCLS-3281		P/O OA-166()/URM-18
FR-43A/URM-18	Frequency Meter	100kc to 2Mc ±0.1%,9 switching positions. Heterodyne type meter.	General Radio Co 1106-A	EMSA-62-689		P/O OA-166A/URM-18A
FR-44()/URM-18 FR-44/URM-18	Frequency Meter	1Mc to 10Mc ±0.1%, 10 switching positions. Heterodyne type.	General Radio Co 1106-B	USA SCLS-3282		P/O OA-166()/URM-18
FR-45()/URM-18 FR-45/URM-18	Frequency Meter	10Mc to 100Mc ±0.1% . 10 switching positions. Heterodyne type.	General Radio Co 1106-C	SCLS-3283		P/O OA-166()/URM-18
FR-45A/URM-18	Frequency Meter	Same description as FR-45/URM-18.	General Radio Co 1106-C	EMSA-62-688		P/O OA-166A/URM-18A
FR-46()/URM-18 FR-46/URM-18	Frequency Calibrator	100kc ± 0.5 part in 10⁸ in 24 hours. Crystal compartment controlled to ±0.01°C. Uses Quartz bar.	General Radio Co 1101-A	SCLS-3278		P/O OA-165()/URM-18
FR-47()/U	Frequency Meter	15kc to 30Mc ±0.0005% or ±3cps. 8 decades. Provision for external 100kc precise source.	Fed Telecommun Labs	USN	CS-1185	
FR-48()/U	Wavemeter	550Mc to 1kMc ±0.03%. Absorption type.	PRD Electronics 577A	WL-45-2277	EXH: WLENG-1032-A	
FR-49()/U FR-49/U	Wavemeter	925 to 1650Mc ±0.03%. Absorption type. Hermetically sealed. Accurate from -40° to +60°C.	PRD Electronics 578A	WL-50-R-1795	EXH: WLENG-238	P/O AN/UPM-13
FR-50()/U	Wavemeter	1.6 to 2.6kMc ±0.03%. Absorption type.	PRD Electronics 579	WL-45-2279	EXH: WLENG-1032-A	
FR-51()/U	Wavemeter	2.5 to 3.94kMc ±0.03%. Absorption type.	PRD Electronics	WL-45-2280	EXH: WLENG-1032-A	
FR-52()/U	Wavemeter	550Mc to 1.0kMc ±0.03%. Transmission type.	PRD Electronics 577B	WL-45-2281	EXH: WLENG-1032-A	
FR-53()/U	Wavemeter	925 to 1650Mc ±0.03%. Transmission type.	PRD Electronics 578B	WL-45-2282	EXH: WLENG-1032-A	
FR-54()/U	Wavemeter	1.6 to 2.6kMc ±0.03%. Transmission type.	PRD Electronics 579B	WL-45-2283	EXH: WLENG-1032-A	
FR-55()/U	Wavemeter	2.5 to 3.95kMc ±0.03%. Transmission type.	PRD Electronics 580B	WL-45-2284	EXH: WLENG-1032-A	
FR-56()/CPN-18 FR-56/CPN-18	Tuned Cavity	2630 to 2970Mc. Markings on scale every 10Mc. Has a microammeter. Manually tuned.	Bendix Radio 0R200582-1	WL-50-R1697	EXH: WLENG-113A	P/O OA-222/CPN-18

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
FR-58()/SPN-6 FR-58/SPN-6	Tuned Cavity	3530 to 3720Mc. Manually or motor tuned. This is similar but not interchangeable with XN-1 version.	Johnson Service Co SA-16510	USN		P/O AN/SPN-6
FR-59()/TRM-3	Frequency Calibrator	Crystal controlled, marker calibrated. 10/25/50/250kc, 1/5/20Mc and AFC from 100kc to 400Mc.	ARF Products 1X8099	USN	BuAer XEL-97 & #1	P/O AN/TRM-3()
FR-60()/USM-22 FR-60/USM-22	Wavemeter	9310Mc ±0.3Mc. Crystal rectifier. Has a micro-ammeter.		AEL-50-615		P/O AN/USM-22
FR-61()/U	Frequency Meter	500 to 2000Mc ±0.001%, 2 switching positions. Internal crystal calibration. Moisture and fungus proofed.	Lavoie Labs	SCLS-3542		P/O AN/URM-3() AN/URM-5()
FR-63()/U	Frequency Meter	25cps to 60kc ±2%. 6 ranges.		SCL-9330		
FR-64()/U FR-64/U	Frequency Deviation Meter	100kc. Self contained oscilloscope. Used to compare 100kc frequency standards. Drip proof and fungus inert.	Davies Labs	USA USN	MIL-F-16100	
FR-65()/TSM-9 FR-65/TSM-9	Frequency Meter	0.01cps to 10Mc. 3 switching positions. Count period may be selected through panel controls.	Hewlett-Packard 524A	SCLS-3399		P/O AN/TSM-9()
FR-65()/U	Frequency Meter	1cps to 1Mc ±1cps. Contains 100kc crystal oscillator accurate to 2 parts/million/week.	Hewlett-Packard 524A	SCL-10271		
FR-66()/UP	Tuned Cavity	6275 to 6575Mc. Manual and motor driven.	Johnson Service Co SA-16327 Raytheon 1740	USA USN	SHIPS-R-305	P/O AN/SPS-5()
FR-67()/U FR-67/U	Frequency Meter	20cps to 100kc ±1cps. Internal crystal controlled timing gate. Display is in digital form.	Berkley Scientific 554	SCL-1238		
FR-68()/UP FR-68/UP	Tuned Cavity	9.0 to 9.6kMc. Manual and motor tuned. Includes antenna horn.	Bendix Radio A220854-1	USA USN	MIL-R-15569	P/O AN/SPN-8
FR-69()/UP FR-69/UP	Tuned Cavity	1150 to 1350Mc. Manual tuning. Similar to TS-545/UP.	Johnson Service Co SA-18201	USN		P/O AN/SPS-12
FR-70()/U FR-70/U	Frequency Calibrator	100cps/1kc/10kc/100kc fundamentals. Harmonic coverage in 100kc steps to 50Mc. Crystal controlled. Coarse and fine adjustment to zero beat crystal against a standard.	Ernest Norman Labs 105	SCL-12125		
FR-70A/U	Frequency Calibrator	Same description as FR-70/U.	Teletronics Labs	SCLM-7373		P/O AN/FSM-3()
FR-71()/SPS-2	Tuned Cavity	1250Mc to 1350Mc. Manually tuned. 5w avg output.	General Electric 7301389	USA USN	CS-1239	P/O AN/SPS-2
FR-72()/UP FR-72/UP	Tuned Cavity	8.5 to 9.5kMc. Manually tuned. Brass.	Hughes Aircraft Co 486-70-0001	USA AEL-52-487	WCEG-411	
FR-73()/UP	Tuned Cavity	1215 to 1370Mc. Manually tuned. 1w avg input.	Polarad Electronics FL Johnson Service Co 50592	USA USN	SHIPS-T-502	
FR-74()/UP	Tuned Cavity	3.4 to 3.7kMc. Manually tuned.	Johnson Service Co 50648	USA USN	SHIPS-T-502	
FR-75()/U FR-75/U	Frequency Meter	Cancelled 16 February 1954. Replaced by AN/URM-82().		SCLM-1112	MIL-F-11068 (SigC)	
FR-76()/MRQ-6 FR-76/MRQ-6	Frequency Calibrator	Cancelled 14 January 1957.		ORDDW-339-56		
FR-77()/MRQ-6 FR-77/MRQ-6	Frequency Calibrator	Cancelled 14 January 1957.		ORDDW-335-56		
FR-78()/MPQ-25 FR-78/MPQ-25	Frequency Calibrator	Confidential.		ORDTU-13		
FR-79()/U FR-79/U	Electronic Frequency Counter	dc to 10Mc. Has 2 display meters, delivers 1 counting pulse/100 received. P/O Nike I Ord 6.	Hewlett-Packard 520A	ORDTU-16		P/O GS-16400
FR-80()/U FR-80/U	Electronic Frequency Counter	dc to 10kc ±1 count. 5 place digital display. Display time is variable. P/O Nike I Ord 6. Measures: time interval, frequency, period and allied measurements.	Hewlett-Packard 522B	ORDTU-16		P/O GS-16400
FR-81()/U FR-81/U	Wavemeter	2.2 to 400Mc. 7 plug-in coils. Galvanometer type. Used to measure resonant frequencies. P/O Nike I Ord 6.	Measurements Corp 59	ORDTU-27		P/O GS-16400
FR-82()/U FR-82/U	Wavemeter	8.2 to 10.0kMc ±0.08%. Reaction type.	PRD Electronics 585A	SCLM-1104		
FR-83()/U FR-83/U	Frequency Calibrator	dc to 500pps ±0.05% calibration. Electron coupled oscillator. No checking crystal.		AEL SCLE-4895	MIL-C-13274	U/W AN/AMR-1()
FR-84()/U FR-84/U	Frequency Meter	**Cancelled** 15 August 1955.	Gertsch Products Inc FM-3	ORDTU-45-54		
FR-85()/MPQ-4 FR-85/MPQ-4	Tuned Cavity	15.8 to 16.2kMc. Manually tuned by a plunger. Has a microammeter.	PRD Electronics	SCLM-6891	MIL-R-11906A	P/O AN/MPQ-4()
FR-86/U	Tuned Cavity	9320 to 9430Mc. Motor tuned. 0.1w avg output.	Radiomarine Corp B-31794	USN	USCG-RTS-370	AS-745/SPS-23X AS-746/SPS-23Y AS-747/SPS-23Z
FR-87/U	Tuned Cavity	9320 to 9430Mc. Motor tuned. 0.1w avg output.	Radiomarine Corp B-31817	USN	USCG-RTS-370	AS-744/SPS-23 AS-748/SPS-23XX
FR-88/U	Wavemeter	8.2 to 10kMc ±0.01%. Manual tuning. General purpose X-band radar use.		USA SCLE-9303		
FR-89/FPN-28	Tuned Cavity	9.0 to 9.18kMc. Motor tuned. 2μa power output.	Bendix Radio N282946-1	USN	R-1081A	

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
FR-90/FPN-28	Tuned Cavity	2.7 to 2.9kMc. Motor tuned. 100μa power output.	Bendix Radio OR 282585-1	USN	R-1081A	
FR-91()/U FR-91/U	Wavemeter	1.60 to 2.25kMc ±0.05%, 20°F to 120°F. Has a micro-ammeter 0-50μamps. Also a crystal rectifier.	Frequency Stds Inc FS-C-173B	USA SCLM-1155		
FR-92/USM-53	Frequency Calibrator	20cps to 20kc. Adjusted fixed frequencies.	Stone & Smith	USN	SHIPS-T-1494	P/O AN/USM-53
FR-93()/APX-27 FR-93/APX-27	Tuned Cavity	Confidential.		AEL-55-47		
FR-93A/APX-27	Tuned Cavity	Confidential.		AEL-58-331		
FR-94/U	Wavemeter	Confidential.		USN-5-57		
FR-95/USM-54	Wavemeter	3.5 to 6.5kMc ±0.1%. One bandswitch.	Sperry Gyroscope Co 537	USN EL-4132		P/O AN/USM-54
FR-96()/U	Wavemeter	9.30 to 9.32kMc ±0.008%. Direct reading.	Aircraft Armaments 412	USAF WL-55-1080	RADC-1736	
FR-97()/U	Wavemeter	16.25 to 16.30kMc ±0.008% direct reading.	Aircraft Armaments 777	WL-53-1082	EXH: RADC-1744	
FR-98()/TRM-6 FR-98/TRM-6	Calibrator Converter	Input: 950 to 2,240Mc RF; output: 140Mc.	Polarad Electronics	AEL-55-625		P/O AN/TRM-6()
FR-99()/TRM-6 FR-99/TRM-6	Calibrator Converter	Input: 2140 to 4390Mc RF; output: 140Mc.	Polarad Electronics	AEL-55-624		P/O AN/TRM-6()
FR-100()/TRM-6 FR-100/TRM-6	Calibrator Converter	Input: 4190 to 7740Mc . Output: 140Mc.	Polarad Electronics	USAF AEL-55-625		P/O AN/TRM-6()
FR-101()/TRM-6 FR-101/TRM-6	Calibrator Converter	Input: 7360 to 10,000Mc. Output: 140Mc.	Polarad Electronics	USAF AEL-55-626		P/O AN/TRM-6()
FR-102()/TRM-4 FR-102/TRM-4	Calibrator Converter	Input: 150 to 295Mc. Output: 80.7Mc.	Measurements Corp H-5472	USAF AEL-55-753		P/O AN/TRM-4
FR-103()/TRM-4 FR-103/TRM-4	Calibrator Converter	Input: 295 to 500Mc. Output: 80.7Mc.	Measurements Corp H-5474	USAF AEL-55-754		P/O AN/TRM-4
FR-104()/TRM-4 FR-104/TRM-4	Calibrator Converter	Input: 500 to 1000Mc. Output: 80.7Mc.	Measurements Corp H-5475	USAF AEL-55-755		P/O AN/TRM-4()
FR-105()/U FR-105/U	Wavemeter	8.1kMc - 10.2kMc Manually tuned. Absorption type. Chart provided for finding frequency.	Sperry Gyroscope Co 126	USAF AEL-55-759	MIL-R-8724A	P/O AN/UPM-12A
FR-106()/FPS-14 FR-106/FPS-14	Frequency Calibrator	28 to 31Mc. 3 channels. RF filtering used to minimize RF leakage. A mixer is included for beating.	Bendix Radio	USAF CRC-55-R-210		P/O AN/FPS-14
FR-107/FPN-28	Tuned Cavity	2.7 to 2.9kMc. 100μa power output. Manual tuning.	Bendix Radio OR650457-1	USN	R-1081	P/O AN/FPN-28,28A
FR-108()/USM	Frequency Meter	5 to 10kMc ±5Mc. Instananeous and direct reading.	PRD Electronics	SCLE 9710		P/O AN/USM-69()
FR-109/FQQ-1	Frequency Standard	60cps fixed frequency ±0.001%. Tuning fork control. Tuning fork frequency: 24cps and frequency divider.	Western Electric Co GS-55586	USN		P/O AN/FQQ-1(V)
FR-110()/GKA-1 FR-110/GKA-1	Frequency Calibrator	695cps/805cps fixed frequencies. ±0.05%. Tuning fork oscillators for calibration. Has test probe.	General Electric PL7714392G1	WL-56-1459		P/O OA-486/GKA-1
FR-111()/MPQ-4A FR-111/MPQ-4A	Tuned Cavity	15.8 to 16.2kMc. Tunable and has crystal detector.	PRD Electronics	SCEL-57-1276		P/O AN/MPQ-4A
FR-112()/FSQ FR-112/FSQ	Oscilloscope Calibrator	Used to calibrate oscilloscopes with a simulated computer memory pulse. Output: 2μsec pulse.		CRC-56-189		P/O AN/FSQ-7,8
FR-113()/G FR-113/G	Radio Frequency Monitor	Cancelled 31 January 1957.		CRC-56-394		
FR-114()/U	Frequency Meter	20cps to 1Mc ±0.001% or ±1 count, internal crystal calibration. Counter type frequency meter.	Berkeley Scientific	SCLS-11574		
FR-115()/TLR	Electrical Pulse Analyzer	Provides two modes of prf analysis. Neon indicator.	Sylvania Electric Co 2	WL-56-2083		U/W R-735()/TLR
FR-116/SPS-17	Frequency Meter	Confidential.		USN-57-103		
FR-117()/U FR-117/U	Frequency Meter	Cancelled 13 October 1958.		WL-57-1089	RADC-1920	
FR-118()/U FR-118/U	Frequency Measuring Standard	540kc to 30.5Mc. ±1 part/million. AM/FM/CW signals. Output: direct frequency reading. Portable.		AEL-57-77	WCLE-1334	
FR-119()/U FR-119/U	Molecular Frequency Standard	23,870Mc. CW frequency spectrum of ammonia. (Maser). Has output at natural resonant frequency of ammonia.		AEL-57-137		
FR-120/SPM-1	Wavemeter	Confidential.		USN-57-d-1243		
FR-121()/U FR-121/U	Frequency Measuring Standard	225 to 400Mc ±1 part/million. AM/FM/CW signals. Provides direct frequency read-out on a counter type display meter.		AEL-57-855 WCLN-1334 Amend #1		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
FR-122()/AR FR-122/AR	Frequency Calibrator	100kc CW signal. Visual error indicator. Checks performance of precision airborne frequency standards.				
FR-123/UPM-95	Frequency Meter	8.5 to 9.6kMc ±0.025%. Crystal detector included.	Gen Communications 52953	USN 57X 2112	SHIPS-F-2702	P/O AN/UPM-95
FR-124()/GSQ-33 FR-124/GSQ-33	Electronic Rate Counter	Used to count frequency of signal from AN/URW-12.	Burroughs Corp DJC 3001-5	WDD-57-973		P/O CP-409/GSQ-33
FR-125()/G FR-125/G	Tuned Cavity	13 to 18kMc. Tunable. Used for general search type frequency measurements.	Sperry Gyroscope Co 348	SESA-58-120		U/W AN/MPQ-4()
FR-126()/U FR-126/U	Wavemeter	8.12 to 12.40kMc ±0.08%. Tuned by a choke plunger. Indicates by dip in power xmitter.	Hewlett-Packard X532A	SESA-58-176		U/W AN/TPS-21()
FR-127()/U FR-127/U	Frequency Calibrator	1Mc range. Output: 100kc ±1 part in 10^{10} or better. Has 1Mc quartz oscillator with temperature control.	James Knight Co	AEL-58-430		
FR-128()/U FR-128/U	Atomic Beam Frequency Standard	Cesium standardizing element output: 100kc ±1 part in 10^{9} or better.	National Company Inc	AEL-58-431		
FR-129()/APN-100	Electronic Altimeter Set Calibrator	4.2 to 4.4kMc. Permits loop sensitivity check of RT-416()/APN-100.	Emerson Research Labs	SEL-58-1308	SCL-5539	P/O AN/APN-100()
FR-130()/GR-1	Frequency Deviation Measuring Set	Confidential.		WDD-58-152		
FR-131()/U	Frequency Meter	30 to 92Mc ±0.0001% or ± 20cps, fundemental. Harmonics to 3kMc. Internal crystal calibration.	Lavoie Labs LA-70	SESA-58-258		P/O AN/USM-100)_ U/W AN/MSQ-18
FR-132/U	Frequency Meter	10cps to 10Mc ±1 count. 5 switching positions. Has internal crystal calibration.	Hewlett-Packard	USN-59-X-357		P/O AN/USM-102
FR-133/SPS-5C	Tuned Cavity	5450 5o 5825Mc. Similar to and interchangeable with FR-66/UP but has a different freq. range.	Raytheon 3432	N-59-b-473	SHIPS-F-3039	P/O AN/SPS-5C,D
FR-134()/GKA-5 FR-134/GKA-5	Radio Frequency Monitor	1.0 to 400Mc and 600kc fixed. Manually selected. Has cathode ray tube for visual indication.	Radio Corp of Amer	AEL-59-102		P/O AN/GKA-51(V)
FR-135/USM-107	Frequency Meter	100Mc to 10.5kMc ±0.1%. 5Mc and 50Mc crystal oscillators. Heterodyne type of meter.	PRD Electronics 504	USN-59-X-1428		P/O AN/USM-107
FR-136/USM	Wavemeter	Cancelled 9 October 1959.		USN-59-X-1429		
FR-136/USM-107	Wavemeter	Cancelled 9 October 1959.		USN-59-X-1429		
FR-137/USM-107	Wavemeter	Cancelled 9 October 1959.		USN-59-X-1430		
FR-138()/FPS-35 FR-138/FPS-35	Frequency Meter	Confidential.		WL-59-1371		
FR-139/M	Frequency Meter	Cancelled 9 November 1960.		ORDXR-103-60		
FR-140()/URM FR-140/URM	Frequency Deviation Meter	100kc, 1Mc, 2.5Mc and 5Mc ±1 part in 10^{10}. No crystal, transistorized. Compares standard with another signal.	Aircraft Radio Corp	USN-60-X-554	SHIPS-F-3252	P/O AN/URM-115
FR-141()/GSM FR-141/GSM	Frequency Meter	20Mc to 1kMc. Deviation frequencies: 20/50/100/300/1000kc. Broadband FM receiver.	Convair	WDD-60-2135	ZD-7-028	
FR-142()/GRQ-3 FR-142/GRQ-3	Frequency Deviation Analyzer	Instaneous display of two 500 to 900kc CW signals. Outputs for oscilloscope display.	General Electric Co	WDD-60-15		U/W AN/GRQ-3
FR-143/U	Frequency Meter	10cps to 10Mc. 7 place direct digital readout. Period and frequency measurements.	Beckman Instruments 7370	N-60-Y-1703		U/W RO-153/U
FR-144/U	Tuned Cavity	Same as FR-133/SPS-5 except less motor.	Johnson Service Co 86-18209	N-60Q-1803		
FR-145()/TPM-11 FR-145/TPM-11	Wavemeter	Confidential.		WL-60-4125		
FR-146()/U	Wavemeter	1 to 4kMc ±0.10%. Direct readout dial. Coaxial.	FXR Inc 1410A	SIMSA-61-191		U/W AN/APX-44
FR-147()/SRC-17	Frequency Calibrator	1Mc range ±1 part in 10^{8}/day. Crystal controlled. Battery operated and batteries are rechargeable.	Manson Labs N480	N-61-Y-1136		P/O AN/SRC-17()
FR-148()/GSQ-53 FR-148/GSQ-53	Frequency Calibrator	5Mc ±5parts in 10^{10}/day. Two oscillators. Crystal controlled.	Sulzer Labs Inc 3A	NSA-0018		P/O AN/GSQ-53()
FR-149()/USM-159 FR-149/USM-159	Frequency Meter	125kc to 1000Mc ±0.01%, internal crystal calibrator. Transistorized. Internal battery.	Lavoie Labs K-50110500	SIMSA-62-110		P/O AN/USM-159
FR-150/UP	Tuned Cavity	8.5 to 9.6kMc. Direct coupler of approx. 25db. Tuned by two plungers.	Johnson Service Co	N-62-X-1674		
FR-153()/USM-129 FR-153/USM-129	Coaxial Frequency Meter	0.95 to 2.0kMc ±0.2%. Max. VSWR 1.5. Absorption type meter. Min dip 20%. Min Q 1000.		ORDBA-62-0362		P/O MX-3169/USM-129 MX-3169A/USM-129 MX-3297/USM-129 MX-3297A/USM-129
FR-154()/USM-129 FR-154/USM-129	Coaxial Frequency Meter	1.9 to 4kMc ±0.2%. Max VSWR 1.5 absorption type meter. Min dip 25%. Min Q 1000.		ORDBA-62-0363		P/O MX-3170/USM-129 MX-3170A/USM-129
FR-155()/USM-129 FR-155/USM-129	Coaxial Frequency Meter	3.95 to 8.20kMc ±0.2%. Max VSWR 1.5. Absorption type meter. Min dip 30%. Min Q 1000.		ORDBA-62-0364		P/O MX-3171/USM-129 MX-3171A/USM-129
FR-156()/U FR-156/U	Wavemeter	34 to 36kMc ±0.1%. 1 band. Manual tuning. Calibration chart is provided.	Microwave Assoc MA-506S	USAEMSA-62-466		U/W AN/APQ-86
FR-157()/FLR-9(V) FR-157/FLR-9(V)	Frequency-Timer Analyzer	Receives a standard frequency fed into the counter circuits as a time base for measuring and counting the frequency and time of the input from AM-3631/FLR-9(V).	Sylvania Electric Co 02-725225-1	WL-62-3646		P/O OA-4399/FLR-9(V)

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FR-158()/FRQ-12 FR-158/FRQ-12	Frequency Deviation Meter	1Mc or 100kc. Zero center meter ±1 part in 10^8.		N-62-X-2370		P/O AN/FRQ-12
FR-159()/FPS-35 FR-159/FPS-35	Frequency Meter	2.03 to 6.0Mc ±5%. Accurately checks RF circuits.	Sperry Gyroscope Co 1022537	WL-62-5463		P/O AN/FPS-35
FR-160()/TRM-6 FR-160/TRM-6	Calibrator-Converter	Input: 9.50 to 15.35kMc ±2%. Output: 260Mc. Uses heterodyne principle for conversion.	Polarad Electronics 143410	AEL-62-847		P/O AN/TRM-6
FR-161()/TRM-6 FR-161/TRM-6	Calibrator-Converter	Input: 14.6 to 21kMc ±2%, Output: 260Mc. Uses heterodyne principle for conversion.	Polarad Electronics 143410	AEL-62-860		P/O AN/TRM-6
FR-162()/FPS-35 FR-162/FPS-35	Tuned Cavity	For plate circuit of RF tetrode driver.	Sperry Gyroscope Co 1035980	WL-63-1279		P/O AN/FPS-35
FR-163()/FPS-49 FR-163/FPS-49	Duplexer Cavity	Houses the thyratron tube, tuning mechanism and connectors for low level duplexer.	Radio Corp of Amer 8718224-501	WL-63-2181		P/O CU-1198/FPS-49
FR-5001()/U FR-5001/U	Meter Frequency Deviation	2.5 to 10.0Mc or 10.0 to 100Mc. Manual selector. Crystal controlled checking circuit internal.	Marconi Ltd TF-934	CA-62-640		
FR-5001A/U	Frequency Meter	2.5 to 100.0Mc ±3%. Internal crystal calibrator.	Marconi Ltd TF-934/3	CA-62-636		
FR-5002()/SRA	Tuned Cavity	225 to 400Mc. Manually tuned and digital counters.	Sinclair Radio Ltd D-AD-151	101		U/W CU-5016()/SRA
FR-5003/MPQ-501	Tuned Cavity	15.7 to 16.3kMc 1.5w rating. Tunable.		CA-506	CA-E106	P/O OA-5087/MPQ-501
FR-5004()/U FR-5004/U	Frequency Meter	10 to 1200Mc ±1 part in 107 or ±20cps. Internal standards of 10kc, 100kc 1Mc.		CA-62-539		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
IM-1()/PD IM-1/PD	Radiacmeter	Beta and gamma count rate meter, both aural and visual indication.	Victoreen Inst Co	USN		P/O AN/PDR-5()
IM-1A/PD	Radiacmeter	Same as above. 0 to 0.2/2/20mr/hour ±10%. GM tube.	Victoreen Inst Co 263A	USN		P/O AN/PDR-5
IM-2()/PD IM-2/PD	Radiacmeter	Portable beta-gamma count rate meter with built in (300v) GM tube. 0 to 1/5/20mr/hour.	Victoreen Inst Co	USN		P/O AN/PDR-6()
IM-3()/PD IM-3/PD	Radiacmeter	Portable beta-gamma rate meter using sealed air ionization type chamber. 0 to 0.2/2/20/200mr/hour.	Victoreen Inst Co X-247	USN		
IM-4()/PD IM-4/PD	Radiacmeter	Alpha, beta and gamma non-differentiating meter. Uses two 5803 or VX-32B tubes. 0 to 4/40mr/hour.	Victoreen Inst Co 356	USN		
IM-5()/PD IM-5/PD	Radiacmeter	Portable, beta-gamma ionization chamber detection rate meter.	Sylvania Electric Co SIC-7 (Cutie Pie)	USN		
IM-6()/PD IM-6/PD	Radiacmeter	Beta and gamma rate meter using air ionization chamber. Reassigned AN/PDR-9().	Atomic Energy Comm SIC-4 (Betty Snoop)	USN		
IM-7()/PD IM-7/PD	Radiacmeter	Portable alpha, beta, gamma detector; measures 0 to 100/1000mr/hour.	Landsverk Electrometer L-100 Kelley-Koett Mfg Co	USN		
IM-7A/PD	Radiacmeter	Same description as IM-7/PD&().	Kelley-Koett Mfg Co K-320	USN		
IM-8()/PD IM-8/PD	Radiacmeter	Portable beta, gamma count rate meter, provides aural and visual indications. 0 to 0.2/2/20mr/hour.	Instrument Dev Labs	USN		P/O AN/PDR-7()
IM-9()/PD IM-9/PD	Radiacmeter	Portable integrating gamma detector. 0 to 200mv.	Kelley-Koett Mfg Co L-200 Landsverk Electrometer	USN	MIL-R-10059	P/O AN/PDR-3,or 3A U/W PP-311()/PD
IM-9A/PD	Radiacmeter	Same description as IM-9/PD&(). Similar to IM-19 and 20/PD.	Kelley-Koett Mfg Co	USN		P/O AN/PDR-3,3A
IM-9B/PD	Radiacmeter	Same description as IM-9/PD.	Kelley-Koett Mfg Co K112	USN	Navy SHIPS-R-96	
IM-9C/PD	Radiacmeter	Ionization chamber detector, gamma radiation 0.04 to 2.0Mev greater.	Victoreen Inst Co 541	USN	MIL-R-15568A (Navy)	
IM-9D/PD	Radiacmeter	Same description as A,B and C versions, but different manufacturer.	Beckman Instruments	USA USN	MIL-R-15568A (Ships) & Amend A	
IM-9E/PD	Radiacmeter	Measures accumulated X or gamma radiation, 0 to 200mr.	Beckman Instruments	USA USN	MIL-R-19894	U/W PP-354C/PD
IM-10()/UP IM-10/UP	Field Intensity Meter	110 to 220kc. For CW or pulse (Loran at 20 to 35pps). Includes receiver, signal generator (50/100/200/300 μsec pulses), VTVM and scope. Modified TS-318()/UP.	Washington Institute	USN		P/O TS-635()/UP
IM-11()/UD IM-11/UD	Radiacmeter	Used to count alpha disintegration (to $5x10^5$cpm) in the presence of soft beta disintegrations (to $5x10^9$cpm). Uses low geometry vacuum chamber.	Atomic Energy Comm C6MIC	USN		
IM-12()/P IM-12/PD	Radiacmeter	Pocket type, aural, beta-gamma detector using 250v GM tube.	Atomic Energy Comm CGM-3	USN		
IM-13()/PD IM-13/PD	Radiacmeter	Pocket type, integrating air ionization meter using electro-static principle. Reassigned DT-16/PD&().	Victoreen Inst Co 3A	USN		P/O AN/PDR-4()
IM-14()/UP IM-14/UP	Field Intensity Meter	Same description as IM-10/UP&().	Washington Institute	USN		U/W TS-635()/UP
IM-15()/CRN IM-15/CRN	Slotted Line	100 to 350Mc. Coax. 125Ω or 90Ω w/adapter. Used to measure SWR in radiac sets AN/MRM-1, AN/CRN-2 and 10.	Gen Communications	ARL-48-R-301		U/W TS-475()/CRN
IM-16()/U	Slotted Line	4 to 7.05kMc. Coax. Includes carriage but not MX-381()/U probe which is required.	Polytechnic Institute	WL-45-963		
IM-17()/USM-14 IM-17/USM-14	Slotted Line Waveguide	8.2 to 12.4kMc. For RG-52/U. U/W MX-1019/U probe. Includes carriage. Accurate to 0.1mm. Early information shows this item as Slotted Line IM-17()/U.	Narda 220-101		MIL-I-4929	P/O AN/USM-14
IM-18()/PD	Radiacmeter	Portable, integrating gamma detectors 0 to 200mr. Replaced by IM-9/PD.	Kelley-Koett Mfg Co K-100 K-141	SCL 9980		P/O AN/PDR-3 or 3A
IM-18A/PD	Radiacmeter	Portable, integrating gamma detectors 0 to 200mr. Replaced by IM-9A/PD.	Kelley-Koett Mfg Co K-150 K-151	USN		
IM-19()/PD IM-19/PD	Radiacmeter	Portable, integrating gamma detector; fountain pen type. 0 to 10Ω. Uses quartz fiber electroscope and a microscope lens system.	Kelley-Koett Mfg Co K-150 K-151	USN		
IM-19A/PD	Radiacmeter	Ionization chamber detector. 0.08Mev or greater detectable radiation (gamma). Pocket clip type.	Beckman Instruments	USA USN	SHIPS "STR" 854-62 (88OF-1)	
IM-19B/PD	Radiacmeter	Same description as IM-19A/PD	Bendix Aviation 608-2	USN	SHIPS "STR" 854-8	U/W PP-311A/PD PP-354C/PD
IM-20()/PD IM-20/PD	Radiacmeter	Portable, gamma ray integrating meter. 0 to 50Ω. Charged by PP-311 or 311A/PD. Pen type.	Kelley-Koett Mfg Co K-160	USN		
IM-23()/U IM-23/U	Slotted Line	2.6 to 3.95kMc. Waveguide. Includes carriage. U/W MX-831()/U probe or MX-929/U.	PRD Electronics 672	WL-45-1305		
IM-23A/U	Slotted Line	Same as IM-23/U but 1 piece construction.	Nichols Products Co	USA WL-52-1303		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
IM-24()/U	Slotted Line	900 to 4000Mc. Coax. Includes carriage for MX-831/U probe. U/W various radar sets.	General Electric	WL-45-1306		
IM-25()/U	Slotted Line	0.9 to 4kMc. Coax. Includes carriage. U/W MX-831()/U. U/W various radar sets.	General Electric	WL-45-1307		
IM-26()/U	Slotted Line	100 to 900Mc. Coax. Includes carriage. U/W various radar sets.	General Electric	WL-45-1308		
IM-27()/U	Slotted Line	100 to 900Mc. Coax. Includes carriage. U/W various radar sets.	General Electric	WL-45-1309		
IM-28()/U IM-28/U	Slotted Line	1.12 to 1.7kMc. Waveguide. U/W MX-1019/U probe.	Gorham Co Nichols Products Co	USA WL-53-R-1879	MIL-R-4634	P/O AN/UPM-24
IM-28A/U	Slotted Line	Same as IM-28/U except for case material.	Press-Wireless	WL-52-2131		P/O AN/UPM-24
IM-29()/PDR-22 IM-29/PDR-22	Radiacmeter	Measures gamma (0 to 10r/day in 4 scales) by accepting pulse from internal GM tube (or DT-17/PD for beta and gamma).	Raytheon	USN	CS-891 (Navy)	P/O AN PDR-22
IM-30()/PDR-8D IM-30/PDR-8D	Radiacmeter	Same description as IM-29/PDR-22&(). Uses DT-33/P instead of DT-17/PD.	Admiral Corp	USN	CS-892 (Navy)	
IM-31()/PDR-8 IM-31/PDR-8	Radiacmeter	Measures gamma (0 to 0.1r/day in 2 ranges, by accepting pulse from internal GM tube or 0 to 10r/day in 4 ranges of beta and gamma from DT 36/PD.	Hoffman Radio Corp SKS-506	USN	CS-889	P/O AN/PDR-8
IM-32()/PDR-8B IM-32/PDR-8B	Radiacmeter	Measures gamma (0 to 5mr/hour in 2 ranges) by accepting pulses from internal GM tube or beta and gamma (0 to 500mr/hour in 4 ranges) from DT-36/PD.	Hoffman Radio Corp SKS-506 AA-107	USN	SC-1074 (Navy)	P/O AN/PDR-8B
IM-33()/P	Radiacmeter	Uses air ionization chamber for detection and measurement of gamma radiation. Cancelled 23 February 1955.		ESL-3724		U/W PP-474()/PD
IM-34()/U IM-34/U	Slotted Line	400 to 3000Mc. 50 and 53Ω. Coax.Includes carriage. U/W MX-831 or 963/U probes.		WL-45-1879		P/O TS-130A/UP
IM-35()/PRM-2 IM-35/PRM-2	Field Strength Meter	140 to 220kc. CW or low frequency Loran. Signal generator (130 to 230kc), synchroscope, ammeter and receiver are included.	Harvey Radio 208B-ZAM	WL-45-1882		P/O AN/PRM-2
IM-36()/URM-6 IM-36/URM-6	Radio Interference Field Intensity Meter	14kc to 250Mc, 1 to 2μv/meter w/rod antenna and 10 to 100μv/meter as 2 terminal VTVM balanced or unbalanced.	Stoddart Aircraft 90200-1 Eltron Inc 118124	USN	CS-779	P/O AN/URM-6
IM-36A/URM-6	Radio Interference Field Intensity Meter	Same description as IM-36/URM-6&(). IF: 12.5kc.	Stoddart Aircraft	USN		P/O AN/URM-6B
IM-37()/PRM-1 IM-37/PRM-1	Radio Interference Field Intensity Meter	150kc to 25Mc, 1μv to 1 volt. Scale: 1 to 40db linear, and 0 to 100μv.	Stoddart Aircraft 90300-1	USN	CS-804 (rev) (Navy)	P/O AN/PRM-1
IM-37A/PRM-1	Radio Interference Field Intensity Meter	150kc to 25Mc, 2μv/meter. IF: 455 and 1600kc. Components differ from those of IM-37/PRM-1.	Stoddart Aircraft 90730-1	USN	MIL-TO-16206 (SHIPS)	
IM-37B/PRM-1	Radio Interference Field Intensity Meter	Same description as IM-37A/PRM-1, Includes loop and rod antennae and probes.	Espey Mfg Co 27.5313	USN		
IM-38()/PDR-8C IM-38/PDR-8C	Radiacmeter	Beta and gamma radiation; 0 to 500mr/hour in 4 ranges (0 to 5mr/hour for gamma alone).	Admiral Corp 59706	USN	CS-1073	
IM-39()/PD IM-39/PD	Radiacmeter	Portable beta-gamma (GM tube) count rate meter; 0 to 20mr/hour in 3 ranges ±10% accuracy from -5 to +50°C.	National Technical Lab 10800MX5	USN		
IM-40()/PD IM-40/PD	Radiacmeter	Portable gamma ionization rate meter; 0 to 5000mr/hour in 4 ranges.	National Technical Lab 10700MX6	USN		
IM-41()/U	Slotted Line	3.95 to 7.05Mc. Coax. W/carriage. U/W MX-1019()/U probe. Supersedes TS-637()/U.	Polytechnic Res & Dev	WL-45-1952		P/O AN/USM-13
IM-42()/U	Slotted Line	3.95 to 10kMc. Coax. W/carriage. U/W MX-1019()/U. Superseded TS-637()/U. Reassigned CG-1152/U&().	Polytechnic Res & Dev	WL-45-1952		P/O AN/USM-11
IM-43()/U IM-43/U	Slotted Line	7.05 to 10kMc. W/carriage. U/W MX-1019()/U. Supersedes TS-639.	Polytechnic Res & Dev	WL-45-1954		P/O AN/USM-7
IM-44()/U	Slotted Line	3.95 to 5.85kMc. Waveguide. W/carriage. U/W MX-1019()/U probe. Supersedes TS-641/U.	Polytechnic Res & Dev	WL-45-1955		P/O AN/USM-5
IM-45()/U IM-45/U	Slotted Line	5.85 to 8.2kMc. Waveguide. W/carriage. U/W MX-1019()/U probe. Supersedes TS-641/U.	Polytechnic Res & Dev	WL-45-1956		P/O AN/USM-6
IM-46()/U IM-46/U	Slotted Line	18 to 26.5kMc. Waveguide. W/carriage and probe. Supersedes TS-644()/U.	Polytechnic Res & Dev	WL-45-1957		P/O AN/USM-14
IM-47()/U IM-47/U	Slotted Line	26.5 to 39kMc. Waveguide. W/micrometer driven carriage and probe. Supersedes TS-645()/U.	Polytechnic Res & Dev	WL-45-1958		P/O AN/USM-10
IM-48()/U IM-48/U	Slotted Line	12.4 to 18.0kMc. Waveguide. W/micrometer driven carriage and probe. Supersedes TS-646()/U.	Polytechnic Res & Dev	WL-45-1959		P/O AN/USM-9
IM-49()/PDR-15	Radiacmeter	Used to detect, identify and compute gamma and beta radiation.	Westinghouse Electric T-7612871	USN		
IM-50()/PD IM-50/PD	Radiacmeter	Measures gamma; portable intergrating detector type. To be procured as IM-9/PD.	Beckman Instruments DO-56	USA USN	CS-1215 (Navy)	U/W PP-311/PD PP-311A/PD

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
IM-50A/PD	Radiacmeter	Measures gamma; portable integrating detector type. Similar to IM-9A/PD; 0 to 200r. To be procurred as IM-9/PD.	Beckman Instruments 102	USN	CS-1288	
IM-51()/PD IM-51/PD	Radiacmeter	Portable, integrating gamma detector; 0 to 200mr. Use IM-9A/PD.	Cambridge Instrument	SIGG-N		U/W PP-527/PD
IM-52()/URM-17 IM-52/URM-17	Field Strength Meter	375 to 1000Mc. Operated from separate power supply.	Stoddart Aircraft 90328-1	USN		P/O AN/URM-17
IM-53()/PDR-8A IM-53/PDR-8A	Radiacmeter	Uses GM for gamma and detector DT-49/PD for beta and gamma; 0 to 10r/day in 4 ranges.	Radio Corp of Amer T-619682	USN	CS-890	P/O AN/PDR-8A
IM-54()/UPM-12	Slotted Line	7.05 to 10kMc. For RG-51/U. W/carriage. U/W DT-52()/UPM-12 probe and SG-46()/UPM-12. Insertion VSWR: 1.03.	Polytechnic Res & Dev	WL-45-2439	EXH: WLENG-1221	P/O AN/UPM-12()
IM-55()/UPM-12	Slotted Line	8.2 to 10kMc. W/carriage. U/W DT-52()/UPM-12. Insertion VSWR: 1.03.	Polytechnic Res & Dev	WL-45-2440	EXH: WLENG-1221	P/O AN/UPM-12()
IM-56()/PD IM-56/PD	Radiacmeter	Portable, integrating gamma dose indicating device; 0 to 500r using changing color indicator: 100 and 300r colored standards.	Callory Chemical Co	USN	MIL-R-17828	
IM-57()/PDR-27 IM-57/PDR-27	Radiacmeter	Accepts pulses from internal GM tube for gamma (0 to 500mr/hour) or from detector for gamma and beta (0 to 5mr/hour).	General Electric ML4SN8AG1	USN	CS-1054A	U/W DT-53/PDR-27
IM-58()/U IM-58/U	Standing Wave Indicator	200kc to 2Mc and 2 to 30Mc. Scales marked power (0 to 10 in 11 ranges) and SWR (1 to 100). Coaxial.	Radio Corp of Amer 313015-501	USN		
IM-59()/PD IM-59/PD	Radiacmeter	For wide range gamma radiation survey 5-500 or 5-5000mr/hour scales. GM tube.	Anton Electronic Lab	USA USN		P/O AN/PDR-32()
IM-59A/PD	Radiacmeter	Computes and indicates amount of beta and gamma detected 0 to 500mr/hour.	Admiral Corp 597021	USA USN	MIL-R-16050	P/O AN/PDR-32A
IM-60()/PD	Radiacmeter	Same as IM-59()/PD but spring instead of battery driven.	Anton Electronic Lab	USN		P/O AN/PDR-33()
IM-61()/PD IM-61/PD	Radiacmeter	For gamma and x-ray measurement. Integrating: 0 to 5r or 0 to 50r.		SCL-12005	MIL-R-10531	U/W PP-630()/PD
IM-62()/PDR-10A IM-62/PDR-10A	Radiacmeter	Portable low level alpha detector, computer and indicator; measures 10,000 disintegrations/min/150 sq cm.	General Electric	USN		P/O AN/PDR-10A
IM-62A/PDR-10A	Radiacmeter	Portable low level alpha detector, computer and indicator; measures 10,000 disintegrations/min/150sq cm.	Nuclear Inst & Chem Co	USN USA	MIL-R-16086 (SHIPS)	P/O AN/PDR-10A,10O
IM-63()/PDR-27A IM-63/PDR-27A	Radiacmeter	Accepts pulses from internal GM tube or from Radiac Detector DT-53/PDR-27 0 to 5mr/hour for beta and gamma, 0 to 500mr for gamma.	Kelley-Koett Mfg Co	USN	MIL-R-15213	P/O AN/PDR-27A U/W DT-53/PDR-27
IM-64/PD	Radiacmeter	Alpha, beta and gamma ionization chamber; 0.005 to 500r/hour. Cancelled 27 January 1955.	Kelley-Koett Mfg Co K-320	SIGGG-N		
IM-65()/TPS-10D IM-65/TPS-10D	Standing Wave Indicator	VSWR scale: 1 to 4. Waveguide. Requires 0.4w signal. U/W CU-263/TPS-10D.	Radio Corp of Amer	WL-50-1826	WLENG 171	P/O AS-184A/TPS-10 OA-375/TPS-10D
IM-66()/GPM IM-66/GPM	Standing Wave Indicator	X band. For spectrum and power measurements. 3 outputs include crystal detector, bolometer detector and adjustable RF probe.	Gilfillan Bros 45208	WL-50-2113	R-7437-A	P/O AN/CPN-4 AN/FPN-16
IM-67()/PD	Radiacmeter	Computes and indicates amount of gamma radiation received. Cancelled 23 February 1955.		SCL-1797	SCL-2297 SigC	U/W DT-67()/PD
IM-68()/PDR-18 IM-68/PDR-18	Radiacmeter	Portable, high range, gamma survey instrument; 0 to 500r/hour in 4 ranges.	Westinghouse Electric 7503067G1	USN	CS-1217 (SHIPS)	P/O AN/PDR-18
IM-68A/PDR-18	Radiacmeter	Portable, high range, gamma survey instrument; 0 to 500r/hour in 4 ranges.	Wextinghouse Electric 7503067G1	USN USA	MIL-R-15572	P/O AN/PDR-18B
IM-69()/PDR-27B IM-69/PDR-27B	Radiacmeter	Accepts pulse from internal GM tube (0 to 500mr/hour in 4 ranges) or DT-53A/PDR-27 (p to 5mr/hour) and computes and indicates amount.	Hoffman Radio Corp AA-329	USN	SHIPS-R-79	P/O AN/PDR-27B
IM-69A/PDR-27B	Radiacmeter	Same as IM-69/PDR-27B except probe has inner lining of lead.	Admiral Corp GD-160	USN	MIL-R-15213 (SHIPS)	P/O AN/PDR-27B,C
IM-70()/PD	Radiacmeter	Detects particles and gamma rays. Measures radiation intensity of gamma rays 5 to 500,000mr/hour. Electrometer grid input.	Kelley-Koett Mfg Co K-354 mod	SCL-9906		
IM-71()/PD	Radiacmeter	Detects particles and gamma rays. Measures radiation intensity of gamma rays 5 to 500,000mr/hour. Replaced by IM-108()/PD.	Kelley-Koett Mfg Co K-360 mod	SCL-9907		
IM-72()/PD	Radiacmeter	Detects particles and gamma rays, measuring radiation intensity of gamma rays .005 to 500r/hour. Cancelled 23 February 1955.		SCL-9908		
IM-73()/PD	Radiacmeter	Capacitor type ionization chamber, indicates cumulative dosage to 250mr. Cancelled 23 February 1955.	Consol Engineer Co	SIGGGN		
IM-74()/PDR-27C IM-74/PDR-27C	Radiacmeter	Accepts pulses from internal GM tube (0 to 500mr per hour of gamma radiation) or DT-53B/PDR-27 (0 to 5mr/hour of beta and gamma radiation.		USN	AER-EL-63	P/O AN/PDR-27C,E
IM-74A/PDR	Radiacmeter	Design improvements over IM-74/PDR-27C&(). Same description as IM-74/PDR-27 & ().		USN	MIL-R-15213C	P/O AN/PDR-27E
IM-74B/PDR-27C	Radiacmeter	Same description as IM-74/PDR-27C&(). Different manufacturer.	National Electrical D11843	USN	MIL-R-15213D (SHIPS)	
IM-75/PDR-18A	Radiacmeter	High range gamma ray survey instrument.	Tracerlab Inc SKG-217-24	USN		P/O AN/PDR-18A

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IM-76()/PDR-27D IM-76/PDR-27D	Radiacmeter	Radiac equipment accepts pulse from internal GM tube or radiac detector and indicates beta and or gamma.	Hoffman Radio Corp	USN		P/O AN/PDR-27D
IM-78()/PDR-10B IM-78/PDR-10B	Radiacmeter	Dial type indicator, alpha particles (4-5Mev), 0 to 10,000 disintegrations/minute.		USA USN	MIL-R-16086B	
IM-79()/PD	Radiacmeter	To detect and measure X and gamma rays 5 to 600r. Cancelled 23 February 1955.		SCL-12006		
IM-80()/PD IM-80/PD	Radiacmeter	Measures alpha, beta and gamma rays; calibration: 200/2000/20,000cpm. GM tube.	Tracerlab Inc SU-3B	SCL-12009		P/O AN/MDQ-1()
IM-81()/UP IM-81/UP	Standing Wave Indicator	Requires signal generator (9305 to 9445Mc pulsed) and slotted line with probe for VSWR: measurement from 1:1 to 4:1. Accuracy is 3% at 1.58:1, 5% at 1.99:1, 10% at 3.16:1. 15μv full scale from 500 to 200cps and 20μv to 4000cps. For 250Ω line. Interchangeable with unit 1 of TS-12/AP.	Trad Television Corp 106-D-80	USA USN		
IM-81A/UP IM-81A/UP	Standing wave Indicator	Same as IM-81/UP except for case, cables and connectors.		USN	MIL-I-17906 (SHIPS)	
IM-82()/UP IM-82/UP	Slotted Line	Waveguide. W/carriage and probe. Attenuation: 0.02db per foot at 5kMc. 300kw.	Sylvania Electric Co 01-808-51	USA USN	CS-1212A	P/O AN/SPS-10
IM-82A/UP	Slotted Line	5.45 to 5.825kMc. W/bolometer type detector. Waveguide (RG-49/U).	Daystrom Inst 01-80851	N-59-2887	SHIPS-R-3143	P/O AN/SPS-10D
IM-83()/SPS-2	Slotted Line	1.3kMc at attenuation of 0.003db/foot. Waveguide. 17kw.	General Electric 7705016	USA USN		P/O AN/SPS-2
IM-84()/URM-50 IM-84/URM	Field Strength Meter	300 to 400Mc. One monitoring channel in frequency range. Provides AF output jack.	National Company Inc	USA USN	MIL-M-15783B (SHIPS)	P/O AN/URM-50
IM-85A/PDR-27E	Radiacmeter	Measures gamma and beta; meter indicator 0 to 0.5mr/hr, 0 to 500mr/hr.	Admiral Corp 597D37	USA USN	MIL-R-15213C (SigC)	P/O AN/PDR-27H
IM-86()/PD	Radiacmeter	Cancelled 23 February 1955.		USA SCLE-9569		
IM-87()/MRN-8 IM-87/MRN-8	Standing wave Indicator	300 to 350Mc. W/probe. 2 to 100v sensitivity for VSWR measurement.	Fed Tele & Radio Corp	AEL-52-261 USA	MIL-R-4146	P/O AN/MRN-8
IM-88()/URM-47 IM-88/URM-47	Radio Interference Field Intensity Meter	20 to 400Mc ±2% in 6 bands, 6 channels. 1 to 100μv and 0 to 40db ±1%. 50Ω input Z.	Stoddart Aircraft 90784-1	USA USN		U/W AN/URM-47
IM-89()/UR IM-89/UR	Standing Wave Indicator	200 to 400Mc. VSWR: 1:1 to 6:1. Z: 51.5Ω. Handles 10 to 40 watts.	Bird Electronics A45002	USA USN	MIL-R-16333 (SHIPS)	
IM-90()/PDR-40	Radiacmeter	Measures, computes and indicates energy level, aurally and visually; 0 to 500r/hour.	Admiral Corp 597D39	USA USN		P/O AN/PDR-40()
IM-91()/UD	Radiacmeter	Detects and measures x and gamma rays; meter, 0 to 50/500roentgens. Cancelled 23 February 1955.	Bendix Aviation 617	USA SCLE-4368		U/W PP-630()/PD
IM-92()/U IM-92/U	Standing Wave Indicator	500 to 4000Mc range, U/W 50Ω coax. transmission line.	Nassau R & D Assoc 230	SCLS-3907		
IM-93()/UD IM-93/UD	Radiacmeter	Detects and measures gamma and x-rays; meter 0 to 600r.	Bendix Aviation 686 Landsverk Electrometer L-46	SCLE-9796	MIL-R-13029	U/W PP-630()/PD PP-995()/UD
IM-93A/UD	Radiacmeter	Indicates amount of radiation to which bearer has been exposed.	Bendix Aviation	SESA-60-2011		
IM-94/PD	Radiacmeter	Ionization chamber detects gamma rays: 0.08Mev, 0 to 100r.	Beckman Instruments	USA USN	SHIPS-R-856	
IM-95()/UD	Radiacmeter	Detects and measure x and gamma rays; meter: 0 to 500r.	Bendix Aviation 616	USA SCLE-4518		U/W PP-630()/PD
IM-96()/U	Standing Wave Indicator	50 to 1000Mc. VSWR: 1 to 5 automatically or 1 to 20 manually both with meter readout. 50 to 1000cps internal generator. Also measures angle of reflection.	PRD Electronics 19732	WL-52-2102	ENG-1326 USAF	
IM-97/USM-37	Standing Wave Indicator	U/W RF modulated or (1kc AM). VSWR: 3 or 10 full scale. Has 3 input circuits. 0.3μv full scale.	Hewlett-Packard 415E-801	USN		P/O AN/USM-37
IM-98()/PDR-29	Radiacmeter	Detects and measure beta and gamma together or gamma alone. Meter: 0 to 500mr/hour in 4 ranges.	Electronic Products	USA USN	MIL-R-15230 (SHIPS)	
IM-99/U	Standing Wave Indicator	3 to 225Mc. For 52Ω line. Meter: 0 to 10/100/1000w. VSWR: 2 to 1000. Insertion loss: 3db.	M C Jones Elec Co MM-252	USA USN		U/W AN/MRN-9
IM-100/USM-37	Slotted Line	3 to 12kMc, 50Ω. U/W MX-1545/USM-37.	Hewlett-Packard 806B	USN		P/O AN/USM-37
IM-101/U	Field Strength Meter	200 to 540kc; 10μv/meter to 10v/meter. Battery powered.	National Electrical 166	USA USN		
IM-101A/U	Field Strength Meter	200 to 540kc, 10μv to 10v/meter. Battery powered. IF differs from that of IM-101/U.	Vitro Electronics 166A	N 62-ac-422		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
IM-102/URM-6C	Radio Interference Field Intensity Meter	14kc to 250kc, 1μv/meter to 1v/meter. 12.5kc IF with 60db IF rejection. Similar to IM-36A/URM-6.	Espey Mfg Co	USA USN	SHIPS-T-172	P/O AN/URM-6C
IM-103/URM-42	Radio Frequency Interference Meter	60Mc ±2%. 1 band, 1 channel. 1 to 100μv and 0 to 40db. An IM-52/URM-17 modified (160 to 60Mc converter).	Stoddart Aircraft 90818-1	USN	MIL-R-16336 (SHIPS)	P/O AN/URM-42
IM-104()/UPM-12 IM-104/UPM-12	Standing Wave Ratio Indicator	85Mc to 9.6kMc. VSWR: 1.05 to 1.3±5%, 1.3 to 2 ±10%, 2 to 3 ±10%. Requires 105μw at 1.3 to 1.5kc prf. Measures attenuation through contained RF bridge.	Sperry Gyroscope Co 539	USA AEL-54-495	MIL-R-8724	P/O AN/UPM-12
IM-105/U	Standing Wave Indicator	1.75 to 1.95kMc. 0 to 100μa ±10% meter w/curves to convert to SWR. U/W RG-19/U or other 52Ω coax and Loran Transmitters.	Fed Telecommun Labs J2161447	USN		
IM-106()/UD IM-106/UD	Radiacmeter	Measures gamma rays. 0.05 to 500r/hour. Uses ion chamber. For in-flight use.	Evans Signal Labs	USA SCLE-9488		
IM-107()/PD	Radiacmeter	Ionization chamber detects gamma and x-rays: 0.08Mev, 0 to 200r. Pen type.	Bendix Aviation	USN		
IM-108()/PD	Radiacmeter	Measures beta, gamma, and x-rays: 1 to 500r/hour. Replaces AN/PDR-36() and IM-71()/PD.	Electronics	USA SCLE-9515		
IM-108A/PD	Radiacmeter	Same description as IM-108/PD but measures gamma only.	Jordan Electronics AU-0184	SESA-59-1416		
IM-108B/PD	Radiacmeter	Same description as IM-108()/PD but Canadian components.		CA-423	MIL-10127	
IM-109()/URM-89 IM-109/URM-89	Field Strength Meter	120kc to 18Mc, 20μv to 20v/meter. Self calibrating. 3 bands determine 100p antenna used. May be battery powered.	ELK Electronics 118-1	USA SCLC-10294	MIL-F-10127	P/O AN/URM-89()
IM-109A/URM-89	Field Strength Meter	Same description as IM-109/URM-89&().	Republic Electronics	SESA-59-276		P/O AN/URM-89
IM-110()/U	Waveguide Slotted Line	1 to 4kMc. Waveguide. VSWR: 1.03 or less. w/o probe.	F-R Machine Works	WL-56-1347	RADC-1817	
IM-111()/UD	Radiacmeter	Measures gamma and x-rays, 1 to 2000r/hour. For air craft use.	Evans Signal Labs	USA SCLE-9677		
IM-112/PD	Radiacmeter	Measures thermal neutrons and gamma rays. Ionization chamber. 0 to 200mr built to Mil-R-10059D. Requires 180 volt chargers.	Landsverk Electrometer L-29	USN 1489		
IM-113/PDR	Radiacmeter	Measures and detects gamma and beta: 0 to 0.2/2/20mr/hour. Uses GM tube.	Spinco Mfg Co XX2, XX0	USA SCLM-		
IM-114/PRM-21	Field Strength Meter	1.7 to 4Mc. 30μv to 15v/meter with loop antenna and 1μv to 15v/meter w/60' antenna (not supplied). Scope and calibrated synchronizing oscillator permit digital readout of prf of received Loran signals.	Industrial TV Inc IT-185R	USN	LFM-404	P/O AN/PRM-21
IM-115()/TRM-6 IM-115/TRM-6	Radio Interference Field Intensity Meter	950kc to 10kMc depending on calibrator-converter used. Average, quasi peak or peak indicating meter. Audio, video and recorder outputs provided. Portable.	Polarad Electronics	USAF AEL-55-627		P/O AN/TRM-6()
IM-116()/TRM-4 IM-116/TRM-4	Radio Interference Field Intensity Meter	150 to 295Mc, 295 to 500Mc, 500 to 1000Mc ±2% depending on calibrator-converter. VTVM scale: 0 to 60db, 0 to 100μv fs linear or 0 to 1000Wv fs log all ±5% IF=250kc and 1Mc.	Measurements Corp H-5472	USAF AEL-55-745	MCREE-576	P/O AN/TRM-4
IM-117()/URM-91 IM-117/URM-91	Field Strength Meter	18 to 125Mc, 5μv to 0.1v at low end of frequency range and 100μv to 2.5v at high end.	Telectro Ind Inc TM-275	USA SCLM-1257	MIL-M-13091	P/O AN/URM-91()
IM-118()/PD IM-118/PD	Radiacmeter	Indicates presence of beta and gamma, measures only gamma: 0 to 5/50/500r/hour.	Electronic Products EP-502	USN 1664		P/O AN/PDR-45
IM-119()/FPS-19 IM-119/FPS-19	Video Integrating Analyzer	Measures and displays noise figure. Input video frequency: 10 to 20v amplitude.	Airborne Inst 3701-53E4	WL-55-2913	EXH: RADC 2415	P/O OA-1052/FPS-19
IM-120/U	Standing Wave Ratio Indicator	6275 to 6575Mc. VSWR: 0 to infinity in db with 1.6db at center scale. Measures power output. Waveguide.	Raytheon YB 2561-5004G1	USN	SHIPS-F-1818 SHIPS-R-600	U/W AN/SPS-5
IM-121/URM-41	Field Strength Meter Radio Interference	30cps to 15kc, 1 band. Frequency accuracy: ±2% above 300cps and ±5% below.	Stoddart Aircraft 19262-1	USN	MIL-T-16120A (SHIPS)	
IM-122()/PD	Radiacmeter	Measures and detects gamma and x-rays; 1 to 500 roentgens per hour.		SCLE-9929		U/W PP-995()/UD PP-1578()/PD
IM-123()/PD	Radiacmeter	Measures beta and gamma. 1 to 5, 10 to 50, 100 to 500r/hour.		SCLE-9930		
IM-124()/PD	Radiacmeter	Measures gamma and x-rays. Meter type. 1 to 500r/hour. Uses crystal detector.		SCLE-9950		
IM-125()/PDR-43	Radiacmeter	GM tube detects both beta and gamma radiation. Beta may be shielded for gamma measurement: 0 to 5/50/500r/hour. Has internal strontium 90 calibrating source.	Electronic Products 503	USN		P/O AN/PDR-43()
IM-125A/PDR-43	Radiacmeter	Detects beta and gamma rays; measures gamma rays. Circuitry differs slightly from that of IM-125/PDR-43.	Electronic Products 506-17A	N-60-b-188		P/O AN/PDR-43A
IM-125B/PDR-43	Radiacmeter	Detects beta and gamma rays; measures gamma rays. Has internal test sample and GM tube.	Electronic Products 506-233	N-60-b-2055		P/O AN/PDR-43B
IM-125D/PDR-43	Radiacmeter	Measures gamma, detects beta rays. GM tube and calibrating source included. To 500r/hour.	Electro-Neutronics C100200	N-63-b-162		P/O AN/PDR-43D

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IM-126/U	Standing Wave Ratio Indicator	250 to 550kc. SWR: 1 to 100. 52Ω. For up to 1kw.	Alto Scientific Co T-32	1191 USCG		
IM-127/SPS-10	Standing Wave Ratio Indicator	300 to 700cps. VSWR: 1 to 4 in 10 ranges ±8% to 1.5 and ±18% to 4. Requires 1mv signal. Powered by AN/SPS-10.	Sylvania Electric Co 01-112300-1	USN	SHIPS-F-1966	P/O AN/SPS-10
IM-127A/SPS-10	Standing Wave Ratio Indicator	Same description as IM-127/SPS-10 but ranges are 312 to 325cps beacon and 625 to 650cps radar.	Daystrom Inst 09102	N-59-b-2888	SHIPS-R-3143	P/O AN/SPS-10D
IM-128()/UPM	Standing Wave Ratio Indicator	300 to 1500cps. VSWR: of 1:1.3, 1:3, 3:10, 10:30. Also 1 to 10ma bolometer current and VSWR: of 0 to 10db. Requires 0.47mv minimum signal.		WL-56-2340		
IM-129()/PDR-44	Radiacmeter	Measures gamma, detects beta and gamma rays. Uses ionization chamber detector and meter indicator.	Admiral 597D78	USN	SHIPS-R-2047	P/O AN/PDR-44
IM-130()/BDQ IM-130/BDQ	Monitoring Radiacmeter	Beta and gamma scintillation counter. Minimum detectable range: 50kev for gamma, 2Mev for beta Meter: $5x10^{-10}$ to $5x10^{-7}$ μcuries/cm³. Cancelled December 1958.	Anton Electronic Lab	USN 61	SHIPS-A-2334	U/W AN/BDQ-1 AN/BDQ-1A
IM-131/PDR-45	Radiacmeter	GM tube for beta and gamma detection, gamma measurement. Uses meter indicator.	Electronic Products 504	USN 398		P/O AN/PDR-45
IM-131A/PDR-45	Radiacmeter	Same functional description as IM-131A/PDR-45.	Electronic Products 507	USN-58-b-1824		P/O AN/PDR-45A
IM-132/PDR-27CX	Radiacmeter	An IM-74/PDR-27C modified to run from 110v, 60cps.	Victoreen Inst Co	USN-57-b-481	SHIPS-F-2284	P/O AN/PDR-27CX
IM-133()/UD	Radiacmeter	Measures gamma and X-rays. Gamma range: 0.1 to 1000 r/hour. Uses ionization chamber detector for 80kev to 1.25Mev range. Similar to IM-108()/PD.		SEL-59-1213		P/O AN/FDR-1 AN/MDR-1 AN/ADR-7 AN/VDR-1
IM-134()/WDQ IM-134/WDQ	Radiacmeter	Measures beta and gamma. GM tube detects 0.08 to 2.0Mev. Indicates 1 to 1000mr/hour. Includes test sample; transistorized; fixed installation; for nuclear powered vessel monitoring systems.	Fairchild Camera	USN-57-X-571	SHIPS-R-2305	
IM-135/PD	Radiacmeter	Self indicating dosimeter measures gamma and x-rays: 0 to 5r. Ionization chamber and electrometer require 160vdc charger.	Bendix Aviation	USN-58-6-210	MIL-R-19935 (SHIPS)	
IM-136/PDR-47A	Radiacmeter	For fast neutron detection and measurement: 0 to 5/50/500mr/hour plus 0 to 200mr total count. 0.2 to 10Mev ionization chamber detector.	Nucor Research Inc E-1B	USN-57-b 1005		P/O AN/PDR-47A
IM-136A/PDR-47A	Radiacmeter	Same description as IM-136/PDR-47A.	Nuclear Corp of Amer E1B	N-59-b-2915	MIL-E-17362B (SHIPS)	P/O AN/PDR-47B
IM-137/BDQ-3	Radiacmeter	Detects and measures beta and gamma radiation in the range of $5x10^{-10}$ to $5x10^{-7}$ μcuries/cm³. Uses scintillation counter, meter indicator, alarm lamp.	Fairchild Camera 3002	USN-57-X-1082		
IM-138()/URM-102	Field Strength Meter	3 to 30kc, 50μv to 10v/meter. 20 to 100cps bandwith. Scope and headphone monitoring.	Stoddart Aircraft 91495-1	USN-57-X-1429	SHIPS-M-2426	P/O AN/URM-102
IM-139/SDR-1	Radiacmeter	Measures gamma radiation. Uses GM tube and ionization chamber detectors, meter indicator: 0 to 1mr/hour, 0 to 10,000r/hour.	Electronic Products 505-101	USN-57-b-1481	SHIPS-R-2583	P/O AN/SDR-1
IM-140/PDR-27CY	Radiacmeter	Measures beta, gamma and x-radiation: 0 to 0.5/5/50/500 mr/hour. This is an IM-74/PDR-27C w/modified power supply.	Victoreen Inst Co	USN-57-b-1712	SHIPS-F-2284	P/O AN/PDR-27
IM-141/PDR-27J	Radiacmeter	Indicates and detects beta and gamma radiation, measures gamma: 0 to 0.5/5/50/500 mr/hour.	Chatham Electronics D-11310	USN-57-b-1787	SHIPS-R-2446	P/O AN/PDR-27J
IM-142/ASH-14	Electronic Refractometer	Measures large scale changes in atmospheric index of refraction at about 9.4kMc. Contains reference and measuring cavity. Range: 0 to 200 ±1% N units, to 400N units with IF amplifier. Airborne.		USN-57-Q-2041		P/O AN/ASH-14 U/W RO-79/U
IM-143/PD	Bendix Aviation	Measures gamma and X-radiation: 0 to 600r ±10%. Ionization chamber and electrometer. Similar to IM-93/UD.	Bendix Aviation 686(modified)	USN-58-b-197	MIL-R-19541 (SHIPS)	
IM-144()/WDQ	Radiacmeter	Scintillation counter detects $8x10^{-10}$ to $8x10^{-7}$ μcuries/cm³. Monitors and indicates air radiation.	Westinghouse Electric 906F930	USN-58-X-370	SHIPS-A-2749	
IM-144A/WDQ	Radiacmeter	Detects and measures beta particles in range of $8x10^{-10}$ to $8x10^{-7}$ μcuries/cm³.	Westinghouse Electric 7-L	N-60-X-410	SHIPS-A-3425	
IM-145()/UD	Radiacmeter	Detects contamination: plutonium-200cpm/m² to 10 million cpm/m², beta-0.02 to 1000mrads/hour, gamma-0.002 to 100mrads/hour. Replaces AN/PDR-27(), 39(), and 53().		SEL-59-1261		
IM-146/GRN	Standing Wave Ratio Indicator	250 to 550kc. SWR: 1 to infinity in 1 range. Operates from RF power. U/W Radiobeacon xmitting system.		USN-58-ac-777		
IM-146A/GRN	Standing Wave Ratio Indicator	Same description as IM-146/GRN.	Monitor Elec Co 80D601	N-61-ac-2083		
IM-147/PD	Radiacmeter	Measures gamma and x-rays using ionization chamber detector, meter indicator; 0 to 50r. Similar to IM-18(), 19(), 20/PD. U/W PP-630/PD.	Bendix Aviation B-632-328	SESA-58-2125		
IM-148()/WDQ IM-148/WDQ	Radiacmeter	Measures beta radiation from $8x10^{-10}$ to $8x10^{-7}$ μcuries per cm³. Scintillation counter. Similar to IM-144/WDQ.	Fairchild Camera	N-58-X-1362	SHIPS-A-2989	
IM-149()/GRS-1	Slotted Line Waveguide	Confidential.		WDD-58-151		
IM-150()/TRM-7 IM-150/TRM-7	Radio Interference Field Intensity Meter	150kc to 25Mc ±2%. -6db to +20db ±2%. 2IF channels: 455 and 1600Mc. Audio and video outputs. For CW or impulse inputs.	Polarad Electronics B122406	AEL-59-R-572		P/O AN/TRM-7
IM-151()/WDQ IM-151/WDQ	Radiacmeter	Measures alpha and beta. Scintillation counter detector: $8x10^{-10}$ to $8x10^{-7}$ μcuries/cm3.		N-59-X-2353	SHIPS-A-3245	

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IM-151A/WDQ	Radiacmeter	Same description as IM-151/WDQ. Maintenance parts differ.	Tracerlab Inc	N-61-X-2585	SHIPS-A-3245	
IM-152/SP	Standing Wave Ratio Indicator	5450 to 5825Mc. Meter scale: 0 to 20ma. Includes conversion charts.	Raytheon	N-60-b-1871	SHIPS-F-3039	P/O OA-2237/SPS-5C AN/SPS-5C&D
IM-153()/PD IM-153/PD	Radiacmeter	Measures gamma and X-rays: 0 to 999r in 0.1r steps. Has ionization chamber detector, counter-register and aural alarm.	Victoreen Inst Co 785	USN-59-b-2747	MIL-R-21017 (SHIPS)	
IM-154/PDR-54	Radiacmeter	Uses gas flow proportional detector to measure alpha radiation.	Eberline Instrument	USN-59-b-1057		P/O AN/PDR-54
IM-155()/UPM-24A IM-155/UPM-24A	Waveguide Slotted line	1.12 to 1.7kMc. Waveguide. Includes probe and crystal and bolometer type detector. U/W MX-1019/U probe. Replaces IM-28/U and IM-28A/U.	Nichols Products Co 16L	WL-59-1592	MIL-R-4634 (USAF)	P/O AN/UPM-24A
IM-156/PD	Radiacmeter	Measures gamma, detects alpha and beta. Uses meter indicator, ionization chamber detector.	Technical Associates SRJ-6	SESA-59-1410		P/O AN/PDR-53()
IM-157/U	Standing Wave Ratio Indicator	980cps to 1.02kc. SWR: 1 to 1.3, 1 to 4, 3 to 10 plus 0 to 2 and 0 to 10db. U/W slotted line and detector mounts. Coax or waveguide.	Hewlett-Packard 415B	SESA-59-244		P/O AN/UPM-108
IM-157A/U	Standing Wave Ratio Indicator	Same description as IM-157/U. Uses MIL type rather than commercial components.	Hewlett-Packard H10-415B	SIMSA-61-353		
IM-157B/U	Standing Wave Ratio Indicator	1kc. Meter scale: db, bolo current, and SWR: 0 to 10, 0 to 2.5, 1 to 1.5, 3.2 to 10. Sensitivity: 0.1rms μv at 30cps bandwidth and noise 5db below fs. Special: the dynamic range is 70db in 10 and 2.5db steps with provision to expand any 2.5db. Transistorized. U/W crystal detectors, bolometers, or probes.	Hewlett-Packard 415D	N-62-X-2136		P/O AN/USM-37B
IM-160/PDR-56	Radiacmeter	Measures alpha radiation using scintillator detector and meter indicator of range: 0 to $10^3/10^4/10^5/10^6$cpm.	Tracerlab Inc	USN-60-b-148	SHIPS-R-3366	P/O AN/PDR-56
IM-160A/PDR-56	Radiacmeter	Same description as IM-160/PDR-56. Has Thorium 232 test sample and probe DT-24 or 8/PDR-56.		N-62-B-834	MIL-R-22938 (SHIPS)	P/O AN/PDR-56
IM-160B/PDR-56	Radiacmeter	Same description as IM-160A/PDR-56. Transistorized.	Nuclear Research B-1064	N-63-b-181	MIL-R-22938 (SHIPS)	P/O AN/PDR-56B
IM-162()/PDR-57 IM-162/PDR-57	Radiacmeter	Measures gamma radiation: 0 to 500mr/hour in 5 ranges.		SESA-60-2140		P/O AN/PDR-57
IM-163()/FPS-50(V) IM-163/FPS-50(V)	Slotted Line Waveguide	Confidential.		WL-60-2425		
IM-164()/FPS-50(V) IM-164/FPS-50(V)	Slotted Line Waveguide	Confidential.		WL-60-2426		
IM-165()/FPS-50(V) IM-165/FPS-50(V)	Slotted Line Coaxial	Confidential.		WL-60-2427		
IM-166/URT	Standing Wave Ratio Indicator	2 to 32Mc. Scale: 0 to 100 or 0 to 1000 forward watts or reflected watts (simultaneously). VSWR: to 5:1. For 50 or 70Ω lines.	Technical Mat Corp SWR-1K(R)	N-60-Y-1469		P/O AN/URT-19(V)
IM-167()/FPS-50(V) IM-167/FPS-50(V)	Waveguide Shorting Slide	U/W IM-163/FPS-50(V) for measuring impedance of waveguide components. Adjustable.	F-R Machine Works SK-16194	WL-60-3438		P/O AN/FPS-50(V)
IM-168()/FPS-50(V) IM-168/FPS-50(V)	Waveguide Shorting Slide	Same description as IM-167/FPS-50(V)&().	F-R Machine Works SK-16232	WL-60-3437		P/O AN/FPS-50(V)
IM-169/PDR-47C	Radiacmeter	Detects and measures neutron activity: 0 to 500mrep per hour in 3 ranges and 0 to 200 counts. Uses meter and recoil proportional counter. Battery operated.	Nuclear Corp of Amer E-1D	N-61-b-405		P/O AN/PDR-47C
IM-170()/PDR-60	Radiacmeter	Measures alpha radiation using scintillation type detector and meter indicator.	Eberline Instrument PAC-1S	SIMSA-61-102		P/O AN/PDR-60()
IM-171()/PD	Radiacmeter	Gamma and X-rays detected and measured. Meter indicator, solid state circuitry. Portable.		SEL-61-250		
IM-172()/SRA	Standing Wave Ratio Indicator	Indicates incident and reflected power in antenna coupler circuit.		N-61-Y-1757		P/O AN/SRA-29(),30(),31()
IM-173/PDR-27L	Radiacmeter	Measures beta and gamma rays: 0.05 to 500mr/hour. GM tube detector. Has headphone output. Similar to IM-141/PDR-27J.	Northeastern Eng Inc 11390	N-61-b-2303		P/O AN/PDR-276
IM-174()/PD IM-174/PD	Radiacmeter	Measures gamma rays: 0 to 500r/hour. Has ionization chamber detecting element; uses Zener diodes. Similar to IM-108A/PD.	Landers, Frary & Clark A-66-2011-000	SIMSA-62-2014		
IM-175()/U IM-175/U	Standing Wave Ratio Indicator	980 to 1020cps. 0 to 60db attenuation in 5 steps. VSWR or db on 7 scales. Also indicates bolometer current and amplifier gain normalized. U/W slotted lines and detector mounts.	Gen Microwave Corp 351	SIMSA-62-2538	SigC EXH: PMD-28A	
IM-176/PDR-27NX	Radiacmeter	Detects and measures gamma or gamma plus beta. Meter: 0 to 0.5/5/50/500mr/hour. Provides aural indication. An IM-141/PDR-17J modified for personnel and laundry monitoring.		N-62-b-1267		P/O AN/PDR-27(NX)

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IM-177/PDR-27P	Radiacmeter	0 to 0.5/5/50/500mr/hour ±2% in 50 scale divisions. Measures beta and gamma rays. Transistorized.	Carol Electronics D 521-11310	N-62-b-1792	MIL-M-10304	P/O AN/PDR-27P
IM-178/ARC-88	Standing Wave Ratio Indicator	225 to 400Mc. Substituted in place of meter connector to provide line to measure incident and reflected waves. U/W International Inst Inc meter type 163.	Collins Radio 522-3252-004	NW-62-350	MIL-R 22930 MIL-R 22659	P/O AN/ARC-88
IM-179()/U IM-179/U	Radiacmeter	Measures gamma rays: 0.2 to 200r/minute. Has ionization chamber detecting element.		SWV-62-35		
IM-180/SDR-2	Radiacmeter	Measures gamma radiation: 0 to 1/10,000mr/hour. Has alarm which sounds when preset level of radiation between 0.1 and 1000mr/hour is present.	Nuclear Corp of Amer E-70029	N-62-b-2681		P/O AN/SDR-2
IM-181/PD	Radiacmeter	Measures X and gamma radiation. Uses ionization chamber and electrometer for up to 1 roentgen indicator. Rocket type.		N-63-b-284		
IM-182()/PDR-61 IM-182/PDR-61	Radiacmeter	Measures X-radiation with a scintillation counter. Has meter readout. Hand held.	Capehart Corp 490-001	WL-63-1768		P/O AN/PDR-61
IM-5015/TD	Remote Monitoring Radiacmeter	Gamma rays detected and measured. Ionization chamber detector, meter indicator. Detector attached to 50 foot cable for remote indication. Canadian Army Development Establishment, CA-A161.		CA-441		
IM-5016()PDR IM-5016/PDR	Radiacmeter	Beta and gamma rays detected, gamma rays measured. Geiger-Muller detector, meter and aural indicator. Contamination and low range survey meter. Canadian Army Equipment Engineering Establishment, CA-N-100.		CA-483		
IM-5017()/ADR	Radiacmeter	Measures radiation when located in aircraft flying over large or unaccessable areas. Uses ionization chamber detecting element and recording meter. Cancelled 14 March 1962.		CA-62-536 CA-523		

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IP-55()/FPS-24 IP-55/FPS-24	Radio Frequency Monitor	Oscilloscope. Y-axis: dc to 15Mc, 0.05v/cm. X axis: dc to 500kc, 1.40v/cm. Sweep: 0.2μsec/cm to 2sec/cm. Monitors waveforms of radar.	General Electric 7078920P1	WL-60-1095	MIL-R-26427	P/O OA-2685/FPS-24
IP-68()/CPN-2A IP-68/CPN-2A	Control Monitor	A modified ID-18/CPN-2. Contains crystal oscillator, frequency divider, oscilloscope, pulsed oscillator, delay lines, and a radar receiver. Receives RF pulse and sends out video signal.	Radio Corp of Amer	AEL-48-639		P/O AN/CPN-2A
IP-79()/U	Radiation Pattern Indicator	Displays on scope signal amplitude versus antenna rotation angle. 0 to 20db calibration. Horizontal sweep calibrated in degrees of rotation. dc to 3.5kc. Input: 0.05 to 0.1v.	Electronic Assoc.	WL-50-R2162		P/O AN/URM-16()
IP-80()/URM-16	Radiation Pattern Indicator	dc to 3.5kc. Input 5 to 15v. Requires +5kv, 0.5ma; -150v, 10ma; +300v, 200ma; and 66.3v.	Network Mfg Co	WL-45-2002		P/O AN/URM-16()
IP-117()/FPN	Pulse Analyzer Indicator	Used to observe received Loran pulses and monitor their synchronization. 2 CRT's. 2 horizontal sweeps per tube: 4 to 1200μsec. Common vertical sweep amplifier.	Fed Tele & Radio Corp FRL-25849-1-1	WL-50-1044	WLENG-165A	P/O OA-216()/FPN-15
IP-118()/FPN	Pulse Analyzer Indicator	Has 5CP1 CRT. Develops 2 sweeps: 4 to 1200μsec. To analyze Loran pulses and monitor their synchronization.	Fed Tele & Radio Corp FRL-25849-1-2	WL-51-R1270	WLENG-1100	P/O AN/FPN-19()
IP-130()/UPM-17 IP-130/UPM-17	Pulse Analyzer Indicator	5" CRT. Displays amplitude versus frequency. Has a 64Mc IF amplifier w/350kc bandpass; 22Mc sweep generator, ±0.25 to 12.5Mc; 65Mc local oscillator; 1Mc IF amplifier w/10kc bandpass: square law detector; video amplifier 20 to 8000cps bandpass.	Lavoie Labs	USAF AEL-54-R-683	MIL-S-4469 (USAF)	P/O AN/UPM-17
IP-140()/TLR-1 IP-140/TLR-1	Pulse Analyzer Indicator	9.5 to 12,100Mc. 5" CRT. Sawtooth sweep: 10 to 6000cps. Serve time base: 5,25, and 100w/sec. Elliptical sweep: 20 to 10,000cps.	Radiomarine Corp	SCL-12059A	MIL-R-10654 (SigC)	P/O AN/TLR-1()
IP-144()/TLR IP-144/TLR	Panoramic Indicator	Presentation of radio frequency activity in megacycles, 5 bands. Uses "A" scan, type 5UP1 CRT.	Motorola Phoenix	SIMSA-62-2202	MIL-R-10680 (SigC)	P/O AN/TLR-9() AN/TLR-10()
IP-145()/TLR IP-145/TLR	Pulse Analyzer Indicator	Displays modulation pattern of detected RF signal. Input 0.1 to 40v. 5CP1A CRT.	Polarad Electronics	SCLE-4866	MIL-R-10680 (SigC)	P/O AN/TLR-9() AN/TLR-10()
IP-147()/FRT-10 IP-147/FRT-10	Radio Frequency Monitor	100 to 200kc. Displays F or AM signals on scope. Displays continuous frequency count and records on paper tape,	Westinghouse Electric 55-A-2418	USN	CS-1178 BuShips	P/O AN/FRT-10
IP-148()/APA-11A IP-148/APA-11A	Electrical Pulse Analyzer	3JP2 CRT. 50 to 10,000pps. 0.2 to 50μsec pulse width in 3 steps. 70Ω input Z. Accepts video output of search receiver for determining pulse width and repetition rate.	Baldwin Piano Co	AEL-51-R357	MIL-R-6398	P/O AN/APA-11A
IP-148A/APA-11A	Electrical Pulse Analyzer	3JP2 CRT. 45 to 10,000pps. 0.1 to 100μsec pulse width in 3 steps. 70Ω input Z. Used to determine pulse width and prf of video output pulses of search receiver.	Baldwin Piano Co	USA AEL-52-856	MIL-R-6398	P/O AN/APA-11A
IP-173()/U IP-173/U	Panoramic Indicator	0 to 1000Mc, 1000kc max sweep width 3,5, and 25 to 35cps scanning rates. Variable resolution. 75Ω input Z. 100μv direct sensitivity.	Panoramic Radio Prod SB-8	USA SCLM-1044		U/W AN/TRC-8() AN/TRC-11() AN/TRC-12()
IP-173A/U	Panoramic Indicator	4.5 to 5.5Mc. 500kc dispersion. 50Ω input Z. 500μv linear sensitivity. 2 way interchangeable with IP-173/U except for maintenance parts.	Panoramic Radio Prod SB-8A	SCLM-1368		U/W AN/TRC-8() AN/TRC-11() AN/TRC-12()
IP-173B/U	Panoramic Indicator	Same description as IP-173A/U. Maintenance parts differ.	Panoramic Radio Prod SB-8A	SESA-58-184		U/W AN/TRC-8() AN/TRC-11() AN/TRC-12()
IP-173C/U	Panoramic Indicator	Same description as IP-173B/U. Maintenance parts differ.	Panoramic Radio Prod	SESA-59-155		
IP-197()/TLR-1X IP-197/TLR-1X	Panoramic Indicator	9.5 to 12,100Mc in 10 bands. 125Mc dispersion. 5kc min resolution. 50Ω input Z. Sensitivity: 0.1v p-p for 3" deflection.	Polarad Electronics	USA	MIL-R-10654 (SigC)	P/O AN/TLR-1X
IP-198()/TLR-1X IP-198/TLR-1X	Pulse Analyzer Indicator	5CP1A CRT. Contains frequency, time base, and elliptical sweeps, vertical amplifiers.	Polarad Electronics	USA SCLE-4033	MIL-R-10654 (SigC)	P/O AN/TLR-1X
IP-206()/URR IP-206/URR	Panoramic Indicator	390 to 410kc. 50kc max sweep width. 6kc min resolution 52Ω input Z. 10μv for 0.5" deflection.	Panormaic Radio Prod SA-10	USA USN		
IP-207()/UPA-35 IP-207/UPA-35	Azimuth and Range Indicator	Gives PPI display of radar information. 10 to 300 mile range. 2,5,10,20, or 50 mile range marks.	Polarad Electronics A15522-2	RONE-62-R-43	MIL-I-26825C (USAF)	P/O AN/UPA-35
IP-207()/GLR-1 IP-207/GLR-1	Azimuth Indicator	Provides BCD data representing azimuth data for 5 antennas.	Gen Dynamics/Elec 66129-275	WL-62-6122		P/O OA-4734/GLR-1
IP-211()/SPS-2	Video Frequency Monitor	2cps to 2Mc. 3 channels. CRT indicator.	GE Syracuse 7301353	USA USN		
IP-212()/SPS-2	Video Frequency Monitor	200cps to 2Mc. 2 monitors, 3 channels. CRT indicators. Manual selection.	GE Syracuse 7301355	USA USN		
IP-223()/ALA-5 IP-223/ALA-5	Electrical Pulse Analyzer	Dual gun CRT 50 to 20,000pps. Sweep locks in with prf. 0.2 to 100μsec pulse width in 3 steps. 500Ω input Z.	Baldwin Piano Co	USA AEL-52-R775	MIL-R-6398	P/O AN/ALA-5
IP-223()/APA-11B IP-223/APA-11B	Electrical Pulse Analyzer	Same description as IP-223/ALA-5.	Baldwin Piano Co	USA AEL-52-358	MIL-R-6398	P/O AN/APA-11B
IP-228()/TLR	Panoramic Indicator	5" CRT. 2vdc vertical input. 18vdc horizontal input. Presentation 0 to 100, units of one.		USA SCLE-4180		U/W AN/TRR-4()

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IP-259()/U IP-259/U	Panoramic Indicator	0 to 500Mc, 1 band, 2 channels. 1 channel 400 to 600kc. Sum or difference within 400 to 600kc range. 50Ω input Z. 20μv for 0.25" deflection. For monitoring SSB transmitters.	Panoramic Radio Prod SB-8a	USA SCLC-10032.		
IP-323/U	Pulse Analyzer Indicator	5" CRT. 20Mc input. 50kc IF bandwidth. Dispersion ratio 1:10Mc/inch. Power versus frequency.	Polytechnic Res & Dev 850-B	USN		P/O TS-833A/U
IP-344()/U IP-344/U	Radio Teletype-writer Set Monitor	Provides CRT indication of signal quality and detector adjustment. Converter provides input.	Northern Radio Co	USAF AEL-55-384	WCEN-1052	U/W CV-384/U
IP-352()/UR	Tuning Indicator	For viewing output of frequency shift converters which employ slope type discriminators for mark and space separation. Y-axis: 0 to 500cps, 1MΩ input Z: 2.5v/inch. Sweep: sine wave at line frequency.	Hoffman Labs	USN	SHIPS-0-1859	
IP-361()/APN-T5 IP-361/APN-T5	Shoran Indicator Monitor	A means for the instructor to check or monitor the students shoran indicator.	Emerson Radio AS-3004	AEL-55-921		P/O APN-T5
IP-366()/FST-2 IP-366/FST-2	Coordinate Data Monitor	To display quantized video, sector outline, quantized targets, status of counter, etc within AN/FST-2.	Burroughs-Detroit DRA-34797	CRC-56-R-320		P/O AN/FST-2
IP-383()/GSN-3 IP-383/GSN-3	Coordinate Data Monitor	Y-axis: 8Mc BW, 0.25rms v/inch. 1MΩ. Sweep circuits 220 to 250,000cps. 50 and 100sec markers. Trigger: 100v peak 5" CRT.	Crosley AD729520	CRC-56-287	USAF EXH: AFCRC-3	P/O AN/GSN-3
IP-395()/APQ-53	Radio Frequency Monitor	An "A" scope monitoring display, on a 5" CRT, of the radar video signals and the modulator and transmitter pulse waveforms.	Bendix Aviation	AEL-56-870		P/O AN/APQ-53()
IP-411/SPS-28	Radio Frequency Monitor	Measures incident and reflected power, 0.250kw; VSWR: 1 to infinity ±5%. Has spectrum analyzer. 172 to 228Mc. 300kc to 5Mc sweeps width. SSb. Sensitivity: -17dbm at 220Mc (CW).	Westinghouse Electric	USN		P/O AN/SPS-28
IP-429()/U IP-429/U	Radio Frequency Monitor	Detects and displays pulse envelopes of pulse modulated signals from magnetron oscillators. 1200 to 9600Mc in 4 bands. 200 to 6000pps. 0.2 to 7μsec pulse width. 100Mc RF BW. 50Mc video BW. Sweep: 0.25 to 20μsec/inch. 1 to 50μsec delay.		WL-56-1867		
IP-443()/GRQ-2	Signal Data Monitor	Provides visual indication of tracking operation. 36.6 and 585.6μsec sweep duration. 150kc to 2Mc, 10dcv/inch vertical. 200μsec markers.	GE Syracuse PL 7614321G1	WDD-57-287		P/O OA-1834()/GRQ-2
IP-444()/GRQ-2	Signal Data Monitor	Provides visual indication of tracking operation. 15cps to 5Mc, 45 to 57vdc/inch vertical. 4,7, and 34msec sweeps. 250v amplitude. 200μsec markers.	GE Syracuse	WDD-57-288		P/O OA-1834()/GRQ-2
IP-445()/GRS-1	Rate Signal Monitor	To display rate system signals. X-and Y-axis: 5kc to 1Mc 0.1rms v/inch vertical thru amplifiers. 60Ω input on X and Y. 10kc sweep.	GE Syracuse PL 7614325G1	WDD-57-386		P/O OA-1844()/GRS-1
IP-446()/GRS-1	Coordinate Data Monitor	Oscilloscope. 20cps to 500kc.	Dynac Inc	WDD-58-69		P/O OA-1992()/GRS-1
IP-471()/ULA-2(V) IP-471/ULA-2(V)	Pulse Analyzer Indicator	Basically a five beam. CR synchroscope. Resolves the video signal of any standard countermeasures receiver.	Amer Electronics Lab 1150185	SIMSA-62-2100		U/W MT-2072/ULA-2(V) P/O AN/ULA-2(V)
IP-476()/FPN-34 IP-476/FPN-34	Audio Frequency Radio Frequency Monitor	Provides facilities for monitoring video signals.	Bendix Aviation R-650714-1	WL-58-1839	RADC-2475A	P/O AN/FPN-34
IP-477()/FPN-34 IP-477/FPN-34	Phase Monitor	Provides test signal and CRT indicator to display velocity of response curve in canceller system. Furnishes 10kc sine wave swept in frequency 2kc at 0.25cps.	Bendix Radio R650735-2	WL-58-1840	EXH: RADC-2475A	P/O OA-2069/FPN-34
IP-484()/GRQ-3 IP-484/GRQ-3	Video Signals Monitor	Monitors raw video from receiver and plots this against range and tracking gates.	GE Syracuse PL 7616942G1	WDD-62-219		P/O OA-2101/GRQ-3 OA-2102/GRQ-3
IP-485()/GRQ-3 IP-485/GRQ-3	Rate Signals Monitor	Displays rate signals. Monitors doppler "P" and "Q" dot signal locks. 495kc to 1Mc.	GE Syracuse PL 7616941G1	WDD-62-220		P/O OA-2103/GRQ-3
IP-489()/FST IP-489/FST	Coordinate Data Monitor	Displays output data of service phone line in SAGE, is brighter and has longer persistance than OA-1163/FST. 1300BIT/SCC.				U/W AN/FST-2
IP-498()/FST-2 IP-498/FST-2	Coordinate Data Monitor	Gives CRT display of quantized video, sector outline, quantized targets, status of counter, etc of AN/FST-2 1.5μsec pulse width, 6μsec between pulses. Normal sweep 10 to 270 miles; delayed; and center expand sweep.	Burroughs-Detroit DRA81500	CRC-58-287		P/O AN/FST-2
IP-503/SPG-55	Pulse Analyzer Indicator	5" synchroscope. Used to measure pulse parameters and to display missile beacon tracking information.	Sperry Gyroscope Co	N-9-706		P/O AN/SPG-55 OA-2259/SPG-55
IP-512()/APS-95 IP-512/APS-95	Radar Set Performance	5" CRT. X-axis: 500cps to 5Mc, 91Ω input Z.	Hazeltine Electronics A32380	AEL-59-352	MIL-R-26399 USAF	P/O OA-2244/APS-95 U/W AN/APS
IP-520()/TPQ-11 IP-520/TPQ-11	Cloud Base And Top Indicator	Displays radar returns of the console. 0 to 15,000/30,000/60,000ft. 2500 and 5000ft range markers.	Lear Siegler Inc AS78046	CRC-62-R-257	MIL-R-9752A USAF	P/O OA-1461/TPQ-11
IP-531()/FST IP-531/FST	Coordinate Data Monitor	Monitors SAGE computer inputs. Gives remote random access PPI display of multiplexer data. 1300 to 1600 bit/sec. Prints out selected target coordinates on recorder.		CRC-59-R-303	EXH: AFCRC-59-15	P/O TD-285/FST

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IP-534()/ALD-3 IP-534/ALD-3	Video Audio Monitor	A visual display of the input signal waveshape in such a fashion that the period and repetition frequency may be determined.	Hoffman Labs 118-10-000-0002	AEL-59-1000		U/W AN/ALD-3
IP-544()/AAR-28 IP-544/AAR-28	Infrared Receiver Indicator	Displays targets in their spatial relationships. Inputs from IR receiver control, signal data processor and signal processing amplifier. Gives alarm signal to SARG and indicator to operator.	Aerojet General Corp 168401	AEL-60-464		P/O AN/AAR-28
IP-551()/FPS-24 IP-551/FPS-24	Radio Frequency Monitor	Oscilloscope. Y-axis: dc to 15Mc, 0.05v/cm. X-axis: dc to 500kc, 1.40v/cm. Sweep: 0.2μsec/cm to 2sec/cm. 5" screen.	GE Syracuse RM15MOD209B	WL-62-R-2206	MIL-R-26427	P/O OA-2685/FPS-24
IP-564()/ASR-5(V) IP-564/ASR-5(V)	Panoramic Indicator	Display of activity on all bands, panoramic for scanning receivers, frequency-time-intensity for wide open receivers.	Airborne Inst Lab 156284	AEL-60-506		P/O OA-2499(V)/ASR-5
IP-566/SPG-55A	Spectrum Analyzer	X band. Accuracy of calibration: 5 in 10,000Mc. Meter: 0 to 100μa dc ±5%. Has CRT. Samples CWI transmitter output and sets alarm when AM and FM noise, coding and coherency FM deviation and low frequency noise exceed limits.	Sperry Gyroscope Co 1023911	N-60-W-1217		P/O AN/SPG-55A
IP-567/SPG-55A	Pulse Analyzer Indicator	High frequency synchroscope. Displays missile beacon tracking information-code and missile information.	Sperry Gyroscope Co 1024745	N-60-W-1243		P/O AN/SPG-55A
IP-570()/ALD-5(V) IP-570/ALD-5(V)	Wave Form Indicator	Provides CRT display and panel readouts of video waveforms on multiple, simultaneous time bases. Inputs are video, sync, and timing signals.	Raytheon 158900	AEL-60-559		P/O OA-2506/ALD-5(V)
IP-571()/ALD-5(V) IP-571/ALD-5(V)	Digital Wave-Form Indicator	Gives CRT display of data from CV-1016/ALD-5(V).	Raytheon 159000	AEL-60-564		P/O OA-2506/ALD-5
IP-574()/ALD-5(V) IP-574/ALD-5(V)	Pulse Variation Indicator	Displays coded video from semi-automatic receiver on a slow time base presentation.	Airborne Inst Lab 183509	AEL-60-566		P/O OA-2506/ALD-5
IP-579()/DRM-10 IP-579/DRM-10	Wave Form Monitor	5.5cps to 5.5Mc. Sweep: 15cps to 75kc. Displays waveforms of voltages from Radio Receiver R-1023/DRM-10.	Bendix Systems	AEL-60-R-1343		P/O AN/DRM-10
IP-591()/U	Radio Frequency Monitor	Provides CRT indication of transmitter performance. 2 to 30Mc, 1 band. Receiver IF at 300, 455, or 500kc.	Internat'l Elec Mfg Co	N-61-Y-176	MIL-F-17655B (SHIPS)	
IP-598()/SRC-17	Digital Data Monitor	0 to 5000cps. Totalizes errors in transmitting data.	Manson Labs	N-61-Y-915		P/O AN/SRC-17()
IP-606()/FPS-35 IP-606/FPS-35	Radio Frequency Monitor	Oscilloscope. Y-axis: 0 to 15Mc, 0.05vrms/cm. X axis: 0 to 240kc. Sweep: 0.1μsec to 1 sec duration. Has markers. Sweep magnifier extends calibrated range to 0.02μsec/cm on time base A and 0.4μsec/cm on time base B.	Sperry Gyroscope Co 1016185	WL-61-1860		
IP-621()/SPG-55B IP-621/SPG-55B	Pulse Analyzer Indicator	High frequency synchroscope. Displays missile beacon tracking information-code and missile information.	Sperry Gyroscope Co 2379234	N-61-W-1663		P/O OA-3521/SPG-55B
IP-623()/TPS-27 IP-623/TPS-27	Radio Frequency Monitor	Oscilloscope. Y-axis: 10cps to 2.5Mc, 10rms mv/inch. Sweep: 30cps to 30kc. 1MΩ on Y-axis.	Westinghouse Electric 478D406G02	WL-61-2677	MIL-R-26455	P/O AN/TPS-27
IP-636()/FPT-9 IP-636/FPT-9	Radio Frequency Monitor	Usually observes the signal characteristics of 2 power amplifiers. Provides manual selection of 28 channels.	Continental Electronic 33400-E/C36773	WL-62-R-1655		P/O AN/FPT-9
IP-637()/FPT-9 IP-637/FPT-9	Radio Frequency Monitor	Usually displays the signal characteristics of power amplifier. Provides manual selection of 14 channels.	Continental Electronic 33405-E/C36774	WL-62-R-1657		P/O AN/FPT-9
IP-639/TPS-34	Moving Target Integrator Deck Indicator	Cancelled 3 April 1962.		N-62-T-562		
IP-640/TSQ-46	Monitor Indicator	CRT. For visual and video monitoring.		N-62-T-339		P/O AN/TSQ-46
IP-641/URR	Radio Frequency Monitor	250kc input. Monitors up to 3 radio receivers in diversity, two 70Ω outputs. CRT. Checks received spectrum of AN/FRR-60(V).	Technical Mat Corp DVM-4	N-62-Y-318		
IP-652()/FPS-49 IP-652/FPS-49	Radar Set Monitor	CRT monitoring 15 points of the AN/FPS-49A.	Radio Corp of Amer 8305005-501 8305800-501	WL-62-R-2694		P/O OA-3537/FPS-49
IP-700()/FPA IP-700/FPA	Coordinate Data Monitor	A preview scope used to determine quality of radar video. 400kc input.	Hazeltine Electronics 102493	EMSA-63-2016		P/O OA-4649/FPA-15 OA-4650/FPA-16
IP-701()/FPA IP-701/FPA	Radar Performance Monitor	Displays radar performance data on PPI and self contained indicator.	Hazeltine Electronics 102753	EMSA-63-2018	ADA-31A ADA-28A	P/O OA-4649/FPA-15 OA-4650/FPA-16
IP-706/ARN-75	Loran Indicator	CRT display of received master and slave station transmission to permit time difference measurements.	Edo Corp 25335	NW-63-43		P/O AN/ARN-75
IP-715()/GLR-1 IP-715/GLR-1	Panoramic Indicator	Horizontal: dc to 100kc; vertical: dc to 1Mc, 12 bands, 2 channels; 100Ω input Z. Gives CRT display of signals being monitored by a panoramic receiver.	Gen Dynamics/Elec 666129-104	WL-62-6360		P/O OA-4814/GLR-1

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ME-1()/U ME-1/U	Multitester	0 to 600vac in 2 ranges. 0 to 600a(ac) in 4 ranges. 50 to 70cps.	General Electric	SIGGG-S		
ME-2()/U ME-2/U	Audio Level Meter	0.2mw to 100mw in 5 ranges, -10 to +50dbm on auxiliary scale ±0.45db, ±0.75db at 15kc. Impedance: 2.5 to 20000Ω in 40 steps ±5% at 15,000cps.	General Radio Co 783-A	USN		
ME-3()/U ME-3/U	Ammeter	0 to 10/20/50a(ac) ±0.75%,25 to 125cps. Resistance 0.0073Ω at 10a. Movable iron type. 100 scale divisions, mirrored scale.	Weston Electrical Inst 433	USN USMC		
ME-4()/U ME-4/U	Milliammeter	0 to 1/10ma. Used to measure the crystal and magnetron currents of Radar Set AN/DPN-2().	Western Electric Co	USN	ORD-688	U/W AN/DPN-1() AN/DPN-2()
ME-5()/DPN-1 ME-5/DPN-1	Multitester	0 to 30/300/1000v, 1kΩ/v. 0 to 1/15/50/150ma.	Western Electric Co	USN	ORD-688	U/W AN/DPN-1()
ME-6()/U ME-6/U	Electronic Multitester	0.001 to 100.0vac rms in 5 ranges ±3%, 10cps to 150kc at 0.5MΩ//30μμf. 1 to 10 and 0 to 20db logarithmic voltage scale. 4.375"meter.	Ballantine Labs 300A	SIGGG-C	71-3368	P/O AN/URM-4, 4A U/W AN/GSQ-1()
ME-6A/U	Electronic Multitester	0.0005 to 500vac in 6 ranges ±2%, 10cps to 250kc at 2MΩ//15μμf. 4.375" meter. Linear dbscale.	Instruments Elec	USN	71-3368	
ME-6B/U	Electronic Multitester	Same description as ME-6A/U.	A F Smuckeler	USN	SHIPS-M-63	
ME-6C/U	Electronic Multitester	0.005 to 500vac in 6 steps, -5 to +17db ±3%, 15cps to 250kc. Input Z: 2MΩ//15μμf. Logarithmic scale.	Specialty Assby & Pkg	USA USN	MIL-E-17001	
ME-6D/U	Electronic Multitester	0.0005 to 500vac and -60 to +40db in 6 steps ±3%, 15cps to 250kc. Input Z: 2MΩ//17μμf on high ranges, 2MΩ//30μμf on low ranges. 60 to 600μa sensitivity.	Daven Co	USN	MIL-E-17001	
ME-6E/U	Electronic Voltmeter	0.001 to 100vac in 5 steps and linear 0 to 20db scale ±2%, 10cps to 150kc. Input Z: 0.5MΩ//30μμf.	Ballantine Labs 300	SIMSA-60-203		
ME-7()/U ME-7/U	Audio Level Meter	-15 to +5dbm ±5%. Measures level of received and transmitted audio signal of TT-31()/AGA-1.	Radio Frequency Labs	USN	I-6 (Jan)	P/O TT-31()/AGA-1
ME-8()/FMQ-1	Maintenance Equipment	Maintenance equipment for third and fourth echelon repair of Radiosonde Receptor AN/FMQ-1.		SCL		U/W AN/FMQ-1
ME-8()/G ME-8/G	Multitester	0 center, 1/5/10/50/250v at 1kΩ/v and 5/10/50/100mv at 300Ω/v ±0.5%. For tracing causes of electrolysis in cables.	Weston Electrical Inst 56	SCL-6415		
ME-9()/U ME-9/U	Multitester	0 to 500vdc ±3% in 5 ranges and 0 to 1000vdc ±4% at 1kΩ and 20kΩ/v. 0 to 500vac ±4% in 5 ranges and 0 to 1000vac ±5% at 1kΩ/v. 0 to 2.5μa(dc), 0 to 2.5/10/50/100/250/500ma(dc) and 0 to 2.5/10a(dc). 0 to 10MΩ in 5 steps. 4.5" meter.		ARL-17-34	AAF R-7090	P/O TS-352/U
ME-9A/U	Multitester	0 to 500vdc ±3% in 5 ranges and 0 to 1000vdc ±4% at 1kΩ and 20kΩ/v. 0 to 500vac ±4% in 5 ranges and 0 to 1000vac ±5% at 1kΩ/v. 0 to 10a(dc) in 8 ranges. 0 to 250kΩ cs ohm reading in 5 ranges. 4.5" meter.		AEL-50-187	R-7090A & amend 1	P/O TS-352/U
ME-9B/U	Multitester	Same description as ME-9A/U.		AEL-50-188	R-7090A & amend 1	P/O TS-352/U
ME-9F/U	Multitester	Same description as ME-9A/U. Cancelled 23 March 1954.	Lanagan Hoke Inc	AEL-52-543		P/O TS-352/U
ME-9G/U	Multitester	Same description as ME-9A/U.	Phaostron Co PL-0418	AEL-53-474 USA USN		P/O TS-352A/U TS-352B/U
ME-9H/U	Multitester	0 to 1000vac in 6 ranges at 20kΩ/v. 0 to 10(dc) in 8 ranges. 0 to 10MΩ in 5 ranges. Accuracy: ±3%. Multiplier kit MX-815()/U extends range to 5000vac.	Bridge Electronics BE-1359-D105	SIMSA-62-461	MIL-M-4269	P/O TS-352B/U
ME-10()/U ME-10/U	Voltmeter	0.001 to 100v ±3% in 5 ranges. 10cps to 150kc. Cancelled 21 April 1947.	Ballantine Labs 300A	USN		P/O AN/URM-4A
ME-11()/U ME-11/U	RF Wattmeter	0 to 15/60w ±5%, 100 to 500Mc. Absorbtion type meter.	Bird Electronics 750-3	USN	CS-614 BuShips	
ME-11A/U	RF Wattmeter	0 to 15/60w ±5%, 30 to 6000Mc. Crystal rectifier.	Electro-Impulse Labs	USA USN		P/O AN/URM-43 43A
ME-11B/U	RF Wattmeter	0 to 600w ±5%, 30 to 600Mc. Crystal Rectifier type. May be used as RF load upto 60w, 30 to 600Mc.	Elec of Clearfield	USN-57-X-1316	MIL-R-15331B	
ME-11C/U	Wattmeter	Same description as ME-11B/U.	Electro Impulse Labs	USN-57-X-1678	MIL-W-15331D	P/O AN/URM-43C
ME-12()/U ME-12/U	RF Wattmeter	25μw to 10mw, 20 to 1000Mc. Bolometer type meter. U/W various radio, radar and navigation equipment	Polytechnic Institute	WL-45-2089		
ME-13()/U ME-13/U	RF Wattmeter	10mw to 5w, 20 to 1000Mc. Bolometer type meter. U/W various radio, radar and navigation equipment.	Polytechnic Institute	WL-45-2090		
ME-13/CRC-2	Parts Kit	Not applicable.				
ME-14()/U ME-14/U	RF Wattmeter	25μw to 10mw, 1000 to 4000Mc. Bolometer type meter. U/W various radio, radar and navigation equipment.	Polytechnic Institute	WL-45-R-2091	EXH: WLENG-2109	
ME-15()/U ME-15/U	RF Wattmeter	0.010 to 5w, 1000 to 4000Mc. Bolometer type meter. U/W various radio, radar and navigation equipment.	Polytechnic Institute	WL-45-R-2092	EXH: WLENG-2107	
ME-16()/U ME-16/U	RF Wattmeter	0.025 to 10mw, 4000 to 10,000Mc. Bolometer type. U/W various radio, radar and navigational equipment.	Polytechnic Institute	WL-45-2093		
ME-17()/U ME-17/U	RF Wattmeter	10mw to 5w, 20 to 1000Mc. Bolometer type U/W various radio, radar and navigational equipment.	Polytechnic Institute	WL-45-R-2094		
ME-18()/U ME-18/U	RF Wattmeter	5 to 100w, 1000 to 4000Mc. Bolometer type U/W various radio, radar and navigational equipment.	Polytechnic Institute	WL-45-2095		
ME-19()/U ME-19/U	RF Wattmeter	100 to 1000w, 1000 to 4000Mc. Bolometer type U/W various radio, radar and navigational equipment.	Polytechnic Institute	WL-45-R-2096		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
ME-20()/U ME-20/U	RF Wattmeter	5 to 100w, 4 to 10kMc. Bolometer type U/W various radio, radar and navigation equipment.	Polytechnic Institute	WL-45-R-2097		
ME-21()/U ME-21/U	RF Wattmeter	100 to 1000w. 4 to 10kMc. Bolometer type U/W various radio, radar and navigation equipment.	Polytechnic Institute	WL-45-R-2098		
ME-22()/PCM ME-22/PCM	Decibel Meter	-45 to +25dbm ±0.5db, 0.2 to 35.0kc. Calibrated for direct connection or bridging on 600Ω circuits.	Contelco 5491	SCL-8003	71-3354 Army	P/O TS-140()PCM U/W SG-15()/PCM
ME-22A/PCM	Decibel Meter	-15 to +15db CW ±0.5db in 2 ranges, 0.2 to 35kc. Calibrated for direct connection or bridging on 600Ω circuits.	Teletronics Lab 92161	SCLM-7376	MIL-T-12643 (SigC)	P/O TS-140()/PCM
ME-23()/UD ME-23/UD	Radiological Count Rate Meter	0 to 100/500/1000/5000cpm. Cancelled: 25 September 1947 Nomenclature changed to Computer-Indicator CP-39/UD&().	Victoreen Inst Co X-325	USN		
ME-24()/U ME-24/U	Voltmeter	Same as ME-24/U except internally shielded.	Weston Electrical Inst 430	USN		U/W AN/FPN-1()
ME-24A/U	Voltmeter	-25 to 0 to 125vdc ±0.5%, 150 scale divisions. 1000Ω per volt. 4" meter.	Weston Electrical Inst 931	USN		P/O AN/FPN-1A
ME-25()/U ME-25/U	Multitester	0 to 100vdc ±5% in 6 ranges at 9.5MΩ. 0 to 260vac ±5% in 5ranges at 12MΩ//6μμf. 0 to 1000ma in 6 steps ±3% in 6 ranges. 0 to 1000MΩ in 6 ranges.-10 to +42db in 4 ranges. Electronic type.	Hickok Electrical Inst	USN		
ME-25A/U	Multitester	0 to 1000vdc in 7 ranges at 13MΩ. 0 to 1000vac rms in 7 ranges, 0 to 250vac p-p in 5 ranges at 12MΩ//7μμf. 0 to 1000ma(dc) in 6 ranges. 0 to 1000MΩ in 6 ranges. Conversion chart for db measurements. Electronic type.	Hickok Electrical Inst	USN	RE-9300-B	
ME-25B/U	Multitester	0 to 500vdc ±6% in 9 ranges at 50MΩ through 1kv and 250MΩ for 5kv range. 0 to 1000vac rms in 8 ranges, 0 to 1000vac p-p in 8 ranges, 0 to 100v RF rms in 5 ranges ±5%, 60cps to 100Mc at 40MΩ//12μμf. 0 to 1000ma(dc). ±5% in 9 ranges. 0 to 1000MΩ ±3° of arc in 6 ranges. 4.66", 50μa basic movement. Electronic type.	Simpson Electric 5208W	USA USN	M-111	
ME-26()/U ME-26/U	Multitester	0 to 1000vdc in 7 ranges at 100MΩ. 0 to 300vac in 6 ranges. 6MΩ. 0 to 500MΩ in 7 ranges. Electronic type.	Hewlett-Packard 410A	USN		
ME-26A/U	Multitester	0 to 1000vdc in 7 ranges at 122MΩ. 0 to 300vac in 6 ranges at 122MΩ. 0.2 to 500MΩ in 7 ranges. Accuracy: ±3%. Electronic type.	Hewlett-Packard 410B	USA USN		
ME-27()/AP ME-27/AP	RF Wattmeter	0.1 to 1000mw average power, 8500 to 9600Mc. Uses 0 to 200μa meter.		USAF ARL-48-196	71-5056	U/W AN/APG-16
ME-28()/U	RF Wattmeter	Cancelled 23 February 1949.		WL-45-C-280		
ME-29()/U ME-29/U	Ammeter	0 to 1/5/10/50/100/500ma(dc) ±2%. Resistance: 96Ω on 1ma scale, to 0.2Ω on 500ma scale. Used with various radars.	TLG Electric Corp	WL-53-R 1835	WLENG-108-A	
ME-30()/U ME-30/U	Voltmeter meter	0.001 to 300vac in 12 ranges ±3% from 20cps to 100kc and ±5% from 100kc to 2Mc. Input Z: 10MΩ//15μμf for high ranges, //24μμf low ranges. Electronic type.	Hewlett-Packard 400C	USN		
ME-30A/U	Voltmeter Meter	0.1mvac to 300vac in 12 ranges ±2% from 20cps to 1Mc and ±5% from 10cps to 4Mc at 10MΩ//14μμf on high ranges and //24μμf on low ranges. VTVM.	Hewlett-Packard 400D	USN		
ME-30D/U	Electronic Voltmeter	0.001 to 300vac ±2% in 12 ranges, 20cps to 1Mc at 10MΩ//15μμf on high ranges and //25μf on low ranges -72 to 52db in 12 ranges. VTVM.	Bayly Engineering Ltd 111A	CA-473		
ME-30E/U	Electronic Voltmeter	0 to 300vac ±1% at 400cps, in 12 ranges. -60 to +50db ±1% at 400cps, in 12 ranges. Input Z: 10MΩ.	Precision Inc 600080	SIMSA-62-195	MIL-V-55104	U/W AN/FCC-5 AN/FCC-6 AN/TCC-7
ME-31()/U ME-31/U	Ammeter	0 to 1ma(dc) ±1%, 1450Ω resistance. Dársonval movement.	Stoddart Aircraft 90078-1	USN	CS-779 CS-1189	P/O AN/URM-6
ME-32()/U ME-32/U	RF Ammeter	0 to 120/360ma RF ±2%. Thermocouple type movement.	Maryland Electronics CA-1024	USN		
ME-33()/U ME-33/U	Ammeter	0 to 1ma(dc) ±1%, 1500Ω resistance. 0.150sec deflection time. Fan shapemeter.	Stoddart Aircraft 90078-2	USN	CS-804	P/O AN/PRM-1, 1A, 1B
ME-34()/PQM-1	Sonar Sound Level Meter	Essentially flat 40 to 20,000cps. Measures sound pressure level of underwater sound referred to 0.0002dyne/sq. cm.		USN		P/O AN/PQM-1
ME-35()/PRM-1 ME-35/PRM-1	Radio Interference Field Intensity Meter	0 to 100μv range; 150kc to 25Mc. Cancelled 26 May 1949 Rb IM-37/PRM-1.	Stoddart Aircraft 90300-1	USN	CS-804 (rev) (Navy)	P/O AN/PRM-1
ME-36()/URM-12 ME-36/URM-12	Voltmeter	0.3 to 400v ±2% in 10 ranges ac and dc. 0 to 100μa ac and dc.	Bendix Aviation N200-351	AEL-51-R9	71-5056A	P/O AN/URM-12
ME-37()/ARC	Multitester	10 ranges, 5v dc to 300vdc, 0μa to 50μa. Cancelled 22 July 1954.	Wilcox Electric Co	AEL-49-205		U/W AN/ARC-29()
ME-38()/U	Wattmeter	25μw to 10mw ±0.6db, 18 to 26.5kMc. VSWR: 1.3 or less. Includes one 10db and one 20db attenuator.	Polytechnic Institute	WL-45-2030		U/W TS-688/U
ME-39()/U	Wattmeter	10mw to 1w ±0.6db, 8.2 to 12.4kMc. VSWR: 1.3 or less. Includes one 10db attenuator.	Polytechnic Institute	WL-45-2032		U/W TS-688/U
ME-40()/U	Wattmeter	10mw to 1w±0.6db, 12.4 to 18.0kMc. VSWR: 1.3 or less. Includes 10db attenuator.	Polytechnic Institute	WL-45-2033		U/W TS-688/U
ME-41()/U	Wattmeter	10mw to 1w ±0.6db, 18 to 26.5kMc. VSWR: 1.3 or less. Includes one 10db attenuator.	Polytechnic Institute	WL-45-2034		U/W TS-688/U
ME-42()/U	Wattmeter	25μw to 10mw ±0.6db, 8.2 to 12.4kMc. VSWR: 1.3 or less. One 10db and one 20db attenuator included.	Polytechnic Institute	WL-45-2028		U/W TS-688/U

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ME-43()/U	Wattmeter	25μw to 10mw ±0.6db, 12.4 to 18.0kMc. VSWR: 1.3 or less. One 10db and one 20db attenuator included.	Polytechnic Institute	WL-45-2029		U/W TS-688/U
ME-44()/U	Wattmeter	25μw to 10mw ±0.6db, 26.5 to 40.0kMc. VSWR: 1.3 or less. One 10db and one 20db attenuator included.	Polytechnic Institute	WL-45-2031		U/W TS-688/U
ME-45()/U	Wattmeter	10mw to 1w ±0.6db, 26.5 to 40.0kMc. VSWR: 1.3 or less. One 10db attenuator included.	Polytechnic Institute	WL-45-2035		U/W TS-688/U
ME-46()/G ME-46/G	Meter Assembly	Meter assembly, 2 ammeters one 0 to 50μa (dc), and one 0 to 30μa (dc) meters.	Press Wireless B-40092	USAF WL-5-R-2641	WLENG-167	P/O PT-101/G
ME-47()/U	Multitester	120 to 18,000kc in 6 bands, 2μv to 20v/m. Cancelled 17 March 1955 Rb IM-109()/URM-89.		SCL-7880		P/O TS-481()/U
ME-48()/U ME-48/U	Multitester	0 to 4kvdc in 10 ranges at 20kΩ/v. 0 to 1kvac in 9 ranges at 1kΩ/v. 0 to 10a(dc) in 9 ranges. 0 to 20MΩ in 5 ranges. Accuracy: ±2%. 50μa movement.	Western Electric Co	USN	MIL-M-15134	P/O AN/PSM-4
ME-48A/U	Multitester	0 to 5000vdc ±3% in 10 ranges. 0 to 1000vac ±5% in 9 ranges. 0 to 10a(dc) ±3% in 9 ranges. 0 to 30MΩ ±3% in 5 ranges. 50μa meter.	Simpson Electric	USA USN	MIL-M-15134 (SHIPS)	P/O AN/PSM-4A
ME-48B/U	Multitester	0 to 5kvdc ±4% in 10 ranges at 20kΩ/v. 0 to 1kvac ±5% in 9 ranges at 1kΩ/v. 0 to 500v output in 8 ranges. 0 to 10a(dc) in 9 ranges. 0 to 100MΩ ±3% of arc in 5 ranges. Has polarity reversing switch.	Simpson Electric D-2668	USN-58-X-1848	MIL-B-18	P/O AN/PSM-4()
ME-48C/U	Multitester	0.5 to 5000vdc ±4% in 10 ranges. 0.05 to 5000vac ±5% in 9 ranges. 2μa to 10a(dc) ±3% in 9 steps. 1 to 100MΩ in 5 ranges.	Jetronic Industries	N-61-X-152	MIL-M-17096A	P/O AN/PSM-4C
ME-49()/U ME-49/U	Audio Level Meter	-20 to +30dbm ±2% in 3 ranges, 600Ω input Z. Round, Hermetically sealed meter.	Hickok Electrical Inst	USN	SHIPS-M-131	P/O AN/URM-38
ME-51()/UP ME-51/UP	Frequency Power Meter	3100 to 3500Mc ±2Mc. 0 to 100mw ±2db. Input Z: 50Ω. Measures average power of cw and pulsed signals. Used with Ord Dept Set T-33.	Weston Electrical Inst GS-15094	SCLM-6403		
ME-52()/TSM-6 ME-52/TSM-6	Modulation Meter	Modulation check, to check carrier frequency and FM deviation for sonobuoy equipment.	Hazeltine Electronics A8002	USA USN		P/O AN/TSM-6
ME-53()/U ME-53/U	Ampere-hour Meter	Ampere-hour meter for training purposes. Cancelled 20 October 1950 Rb SM-39/UQS-T1.	Sangamo Electric Co 892660	USN		P/O MX-1065/UQS-T1 U/W AN/UQS-T1
ME-54()/MPM-5 ME-54/MPM-5	Galvanometer	0 to 25kΩ ±0.003%. Uses 100μa galvanometer in substitution method of measurement.	Bendix Aviation	USN	CS-972	P/O AN/MPN-5
ME-55()/SSA ME-55/SSA	Electronic Voltmeter	0 to 5 vac, 60cps to 20Mc, 500Ω/v. Has special scale sensitivity. 3" meter. VTVM. P/O Data Dist. Group for Naval Vessels.		USN	MIL-D-15614	U/W OA-266/SSA
ME-56()/TSM ME-56/TSM	Electronic Voltmeter	0 to 10vac ±5% in 2 ranges at 18MΩ on low frequencies. VTVM. Can be used to measure RF voltage difference across calibrating resistance .7 to 110Mc.	Electronic Assoc. 337	SCLS-10241		U/W AN/TSM-3() TS-683/TSM
ME-57()/U	Modulation Meter	Frequency deviation: 0 to 1Mc at frequencies from 20 to 1000Mc with modulation from 50 to 70,000cps. Responds to RF levels as low as 5mv.		SIMSA-61-149		U/W AN/PRC-21 AN/TRC-24
ME-58()/U	Modulation Meter	0 to 80% modulation at AF of 50 to 10,000cps and RF of 10kc to 50Mc. Accuracy: ±5%. Sensitivity: 0.01v.		SIGGG-C		
ME-59()/PSM-3 ME-59/PSM-3	Voltmeter	0 to 15/30/75/150/750vac ±1%, 50 to 1000cps. Approximately 6volt-amperes for full scale deflection on all ranges.	Weston Electrical Inst	USAF AEL-55-R-488	NCREE-718	P/O AN/PSM-3
ME-60()/U ME-60/U	Wattmeter	-10 to +6db ±5% with zero db at 500w, 200 to 8000cps. Rectifier type.	David Bogen Inc 762WW	USN		P/O AN/AIA-4A
ME-61()/GRC-9 ME-61/GRC-9	Field Strength Meter	Field strength measurement over range 1.5 to 4Mc, 4 to 10Mc, 10 to 24Mc bands.		SIMSA-60-2620 SCL-10301		P/O AN/GRC-87 AN/VRC-34 U/W AN/GRC-9()
ME-62()/U	Phase Monitor	0 to 360° ±2°, 60 to 150Mc, 20mw to 250w. Measures phase angle between sine waves of same frequency. Has 1° incremental accuracy for phase shifts. U/W various radar and omni-range equipment.	Technology Inst Corp	WL-51-1852	ENG-1323 (USAF)	
ME-63()/U ME-63/U	Phase Monitor	0 to 360° ±1°, 20cps to 20kc. Measures phase shift of two voltages of the same frequency. U/W various radar and omni-range equipment.	Technology Inst Corp 322-A	WL-53-1159	ENG-1269 (USAF)	P/O AN/URM-67()
ME-64()/U	Voltmeter	0 to 150vac at 25kΩ, 0 to 600vac at 100kΩ, accuracy: ±2%. Movable iron type meter.	Weston Electrical Inst 528	USA SCLC-8230		
ME-65()/U	Ammeter	0 to 2/5/10/20/50/100/200a(ac) ±0.5%. Movable iron type. 100 scale divisions.	Westinghouse Electric PY-5 Hickok Electrical Inst 131-173	SIMSA-60-206		
ME-66()/URM-46 ME-66/URM-46	Wattmeter	0 to 250mw ±15% at 51Ω. For use at radio frequencies. Scale graduated in 10mw increments.	Bird Electronics	AEL-52-20		P/O AN/URM-46
ME-67()/U ME-67/U	Multitester	0 to 700vac ±3% in 3 ranges, 50 to 70cps. 0 to 1000a(ac) ±3% in 5 ranges, 50 to 70cps.	Weston Electrical Inst VA-1	AEL-53-11		P/O AN/USM-36
ME-68()/PRC-14 ME-68/PRC-14	Ammeter	0 to 200μa ±3%, 700mv drop across terminals at full scale deflection.	Air Associates RD-111-45-2	WL-52-1004	ENG-281 (USAF)	P/O AN/PRC-14
ME-69()/U	Wattmeter	0 to 25w ±5%, 1 to 2.5kMc, graduated in 25 scale divisions.	Bird Electronics 61S1	SCLM-1008		U/W AN/TRC-29
ME-70()/PSM-6 ME-70/PSM-6	Multitester	0 to 1000vdc in 7 ranges at 20kΩ/v and 1kΩ/v. 0 to 1000vac in 6 ranges at 1kΩ/v. 0 to 1000ma(dc) in 8 ranges. 0 to 10MΩ in 5 ranges. Accuracy: ±3% on all ranges. 50μa, 4.5" movement.	Bruno Inc	AEL-52-212		P/O AN/PSM-6

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ME-70C/PSN-6	Multitester	0 to 1000vdc ±3% in 7 ranges at 20kΩ/v and 1kΩ/v. 0 to 1000vac in 7 ranges at 1kΩ/v.0 to 1000ma(dc) ±3% in 8 steps. 0 to 10MΩ in 10 steps.Electronic type.		AEL-62-801		
ME-71()/FCC ME-71/FCC	Audio Level Meter	-25 to +2dbm ±2db in 3 ranges, 20kc to 500kc, for 600Ω line. w/injection oscillator for calibrating sensitivity to input voltages.	Western Electric Co KS-15538	SCLC 8715		U/W AN/FCC-5() AN/FCC-6()
ME-71A/FCC	Audio Level Meter	-25 to +2dbm ±2db, 20 to 500kc, for 600Ω line. Has injection oscillator for sensitivity calibration.	Sierra Electronics 108A	SCLM 1292		U/W AN/FCC-5() AN/FCC-6()
ME-72()/PQM-1A ME-72/PQM-1A	Sonar Sound Level Meter	+30 to +145db ±1%, 20 to 32000cps ±2db. 0db is 0.2 mdynes/cm^2. Measures underwater noise.	Lanagan Hoke Inc 72A-200	USA USN	MIL-N-15576 (SHIPS)	
ME-73()/APM-65 ME-73()/APM-65	Electrical Meter Assembly	Includes 1 voltmeter, 1 dc ammeter, 1 ac ammeter, 1 frequency meter. Also 1dc multitester: 0 to 50/300/600v and 0 to 50ma.	Westinghouse Electric	USA USN		P/O AN/APM-65
ME-74()/U ME-74/U	Electronic Voltmeter	0.5mv to 500v in 6 ranges. -65 to +65db in 6 ranges. Accuracy: ±2%. Input Z: 2MΩ//15μμf. Electronic type.		USA USN	MIL-E-15489	
ME-75()/ARC-21 ME-75/ARC-21	Multitester	0 to 1500vdc in 5 ranges. 0 to 15/50vac. 0 to 15/50/150/500ma(dc). Accuracy: ±2%. 50μa movement.	Radio Corp of Amer	AEL-52-R-673		U/W AN/ARC-21
ME-76/U	Ammeter	0 to 1ma(dc), 1450Ω ±1%. Remote meter.	Stoddart Aircraft 90934-1	USN-58-X-793		P/O AN/URM-47A
ME-77()/U	Multitester	0 to 1000vdc ±3% in 5 ranges, 20kΩ/v. 0 to 1000vac ±4% in 4 ranges, 1kΩ/v. 0 to 10MΩ ±3% in 5 ranges.		SCLC-5559	MIL-M-(CSL-252)	
ME-78()/URM ME-78/URM	Multitester	VSWR: 1.1:1 to 5:1 ±10%. RF power: 5 to 40w and 40 to 320w ±20%. 2.5" meter.		AEL-52-512	WCER 129	
ME-79()/USM-33 ME-79/USM-33	Multitester	0 to 300/600vac ±2%, 50 to 1000cps. 0 to 15/60/150/600a(ac) ±2%, 50 to 1000cps. Clamp-on-line type ammeter. W/conventional ac voltage feature.	Weston Electrical Inst	USAF AEL-55-965	MIL-M-26896	P/O AN/USM-33
ME-79A/USM-33	Multitester	0 to 150/300/600vac ±2%. 0 to 15/60/150/600a(ac) ±2%. Clamp-on-line type ammeter w/conventional ac voltage feature.	Weston Electrical Inst 172-1	AEL-60-1339	MIL-M-26896A	P/O AN/USM-33
ME-80()/URM-50 ME-80/URM-50	Ammeter	0 to 200μa ±2%, 1840Ω resistance. Scale marked "carrier level", 0 to 100cw. Linear Scale.	National Company Inc SA 9981	USA USN	MIL-M-15783 (SHIPS)	P/O AN/URM-50
ME-81()/USM-34 ME-81/USM-34	Multitester	0 to 1000vdc ±4% (±6% over 1kvdc) in 4 ranges at 13MΩ. 0 to 100vac rms in 2 ranges and 0 to 3000vac p-p in 3 ranges, ±6% (±7% over 100vac) at 13MΩ. 0 to 1000ma ±5% in 4 ranges. 0 to 1000MΩ ±10° of arc.	Hickok Electrical Inst 902-207	USA USN	MIL-M-15629A (SHIPS)	P/O AN/USM-34
ME-81B/USM-34	Multitester	0.01 to 1000vdc in 4 ranges, 0 to 3000vdc in 4 ranges w/multiplier. 0 to 1000vac in 4 ranges. 0 to 1000vac RF in 4 ranges. 0 to 2000MΩ in 4 ranges.	B M Harrison	N-60-X-1828	MIL-M-15629D	P/O AN/USM-34B
ME-82()/U ME-82/U	Wattmeter	0 to 120w ±5%, 50 to 600Mc, 52Ω resistive impedance.	MC Jones Elec Co MM-265 Model Eng & Mfg Inc	SCLC 8398 SIMSA-61-2148	MIL-R-10616	P/O MK-122()/TRC AN/TRC-24(),35() 36() OA-1676/GRC
ME-83()/U	Audio Level Meter	-25 to +2dbm ±2db, 10 to 100kc carrier frequency. Calibrated for 600Ω load. Contains an injection oscillator for calibrating sensitivity.		SCLC 5589	SCL-1392	P/O AN/GCM-1() U/W SG-83()/U
ME-84/FPN-30	Recording Ammeter	Ammeter, recording, dc, -5.0 plus 5μsec, 1000Ω/v sensitivity.	Esterline Angus Co	USA USN		P/O AN/FPN-30
ME-85()/URM-40	Q-Meter	0 to 600 "Q" range from 50kc to 30Mc. 80 to 1200 "Q" range from 30Mc to 200Mc. Accuracy: ±10%.	Davies Labs 64	USA USN	MIL-G-16110 (SHIPS)	P/O AN/URM-40()
ME-86()/U ME-86/U	Photoelectric Foot Candle Meter	0 to 600ft/candles in 3 ranges. Light target is 2 cells, filtered, external type.	Weston Electrical Inst 143762	SCLM 1337		
ME-87()/U ME-87/U	Multitester	0 to 3/15/150vdc ±1% at 100Ω/v. 0 to 3/15/30a(dc) ±2% at 50mv on 30a range. 4" fan type meter.	Weston Electrical Inst 280	SCLM 1297	MIL-M-11542	
ME-87A/U	Multitester	Same description as ME-87/U.	Triumph Mfg Co 1380	SCLM 7105	MIL-M-11542	
ME-88/U	Voltmeter	4 scales: 0 to 0.5v RF, 0 to 1.0, 0 to 2.5, 0 to 15, ±2%, at 40kΩ/v//10μμf. Includes capacitors, crystal rectifier, resistors and switch.	Fed Tele & Radio Corp D-2140580-F	USA USN		U/W AN/URT-2,3,4
ME-89/USH	Recording Ammeter	0 to 0.2ma(dc) ±1%, scale graduated in 50 divisions from 0 to 100cw. 3.75"/min chart speed. Dual coils.	Esterline Angus Co	USA USN		
ME-90()/URM-73	Wattmeter	4 to 500w average power ±10% in 3 ranges. 3.5" meter.		USA-AEL-52-494	WCER 121	P/O AN/URM-73()
ME-91()/U ME-91/U	Wattmeter	0 to 25 and 0 to 50 range inscription in watts. Cancelled 8 September 1954.	Beckman Instruments 43	AEL-53-322		
ME-92/URM-38A	Audio Level Meter	-20 to 30db ±10% in 3 ranges. 0db is 1mw into 600Ω. Rectifier type for audio frequencies.	Hickock Electrical Inst	USN	MIL-M-15796A (SHIPS)	
ME-93()/U ME-93/U	Electronic Multitester	0.001 to 100vac rms ±2% to 100kc, ±3% above 100kc, in 5 ranges, at 500kΩ//30μμf.	Ballantine Labs 300D	USA ORDTU-18		P/O GS-16400 NIKE I Ord 6
ME-94()/U ME-94/U	Electronic Voltmeter	0 to 150vdc ±2% in 6 ranges. 0.1 to 150vac ±2% in 6 ranges. Input Z: 10MΩ on dc, 25MΩ on ac.	General Radio Co 1800A	USA ORDTU-22		P/O GS-16400 NIKE I Ord 6
ME-95()/DSM-6	Electronic Voltmeter	0 to 2.5/10/30/250/500vdc ±2% at 10MΩ. 0 to 2.5/10/30/250vac ±2%, 20 to 1000cps, at 10MΩ.	Hycon Mfg 143350	USN		
ME-97()/G ME-97/G	Multitester	0 to 1000mvdc ±1% in 7 ranges, 0 to 1000vdc ±1/2% in 7 ranges. 0 to 1000vac ±3% in 14 ranges. 0 to infinity in 7 ranges. Input Z: 10MΩ. Electronic type. Cancelled 15 August 1955.	Southwestern Indust R(VM)	ORDTU-54-54		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
ME-98/U	Voltmeter	0 to 100μv ±1% at 1450Ω 0 to 40db scale. Fan shaped meter with 45° sloping panel.	Espey Mfg Co 3.251	USN		P/O AN/URM-6C
ME-99( )/U	Audio Level Meter	-80 to +30db ±0.5db, 10cps to 40kc. 1mw in 600Ω for zero level. Scale marked: -15 to +2CW.	Teletronics Labs	USA SCLC-10063	SCL-1554	U/W SG-83( )/U
ME-100( )/U ME-100/U	Multitester	0 to 0.35/3.5/35vdc ±2%. 0 to 15Ω ±2.5% at 5ma(dc). Tests squibs, primers for rockets & jato's.	Allegany Inst Co	USAF AEL-54-1157	WCLC-53-3	
ME-101/DSM	Electronic Voltmeter	0 to 2.5/10/30/250/500vdc ±2% at 10MΩ. 0 to 2.5/10/30/250vac ±2%, 20 to 1000cps at 10MΩ. For use with the Terrier Missile.	Hycon Mfg 187630-505	USN		P/O AN/DSM-9
ME-102( )/SPW-2 ME-102/SPW-2	Electrical Meter Assembly	8 meters, 1 switch and sequential timing circuit. To sequentially start the operation of a power supply and the indicate output current and voltage.	Sperry Gyroscope Co 624153	USN	Nav Ord OS5797 MIL-R 18669 N Ord	P/O AN/SPW-2
ME-103( )/U	Ammeter	0 to 150a(dc) ±0.5% at 50mv for fs deflection. Used to test motor generators, rotary convertors and rectifiers.	Weston Electrical Inst 931 D-C	SCLM-1326		P/O AN/USM-69( )
ME-104( )/FPS-20 ME-104/FPS-20	Frequency Meter	1245 to 1355Mc ±0.01%. 1mw RF input. Uses IN25 and 0 to 50ma movement.	Bendix Radio R650482-1	WL-56-1648	RADC EXH: 2417	
ME-104( )/GPA-27	Frequency Meter	1245 to 1355Mc. 1mw RF input voltage. Employs a 0 to 50ma movement.	Bendix Radio	WL-55-2509	RADC EXH: ENG-1440	P/O OA-955( )/GPA-27
ME-105/FQQ-1	Electrical Meter Assembly	Contains 2 voltmeters and 1 frequency meter: 0 to 150vac, 60cps; 0 to 150vac, 400cps; 58 to 62cps.	Western Electric Co GS-56295 issue 1	BTL-45041		P/O AN/FQQ-1(V)
ME-106( )/URM ME-106/URM	Wattmeter	0 to 100/500/2500w RF ±5%. Nonlinear scale expanded at lower end.	Bird Electronics 67300	SCLC-10685		P/O AN/URM-86( )
ME-107/FQQ-1	Electrical Meter Assembly	Contains 1 voltmeter and 1 frequency meter: 0 to 250vac; 58 to 62cps in 0.5 cycle steps.	Western Electric Co GS-56187 REV B	BTL-45052		P/O AN/FQQ-1(V)
ME-107A/FQQ-1	Electrical Meter Assembly	Same description as ME-107/FQQ-1 with improved frequency meter accuracy.	Western Electric Co GS-56187A	N-59-m-2497		P/O AN/FQQ-3(V)
ME-107B/FQQ-1	Electrical Meter Assembly	Cancelled 10 February 1961.		N-60-n-1957		
ME-108( )/TCC-33	Electrical Meter Assembly	Contains 1 voltmeter and 1 microammeter: 0 to 200v; 50 to 50v for microammeter.	Motorola Inc X1091	WL-56-1117	EXH: RADC-1568	P/O AN/TCC-33( )
ME-109/SPN-22	Multitester	0 to 150/250/300vdc and ±115vdc ±5%. 0 to 300μa/4ma. ±5%. Plugs in to azimuth and range indicator.	Radiomarine Corp A-1214586	USN		P/O AN/SPN-22 AN/SPN-22X
ME-110/U	Ammeter	0 to 1ma(dc) ±1%, 1450Ω resistance. Scales marked: 10 to 100μv; 0 to 20db; 0.1 to 10μv; 0 to 40db.	Stoddart Aircraft 90934-3			P/O AN/URM-41
ME-111/U	Electrical Voltmeter	0.003 to 300vac ±3% in 6 ranges and 0.01 to 100vac ±3% in 5 ranges at 2MΩ. Electronic type.	Sperry Gyroscope Co 100			
ME-112( )/U ME-112/U	Meter Modulation	5 to 100% ±2%, 200 to 400Mc. Maximum power consumption: 0.5w. Contains matching devices for 100w and 1000w transmitters.		WL-56-1378		U/W AN/GRC-27 AN/GRA-24
ME-113/URM-96	Wattmeter	0 to 10/50w RF ±5%. 3.25μa for fs deflection.	Sierra Electronics 164	N-61-X-2798		P/O AN/URM-96,96A
ME-114/FQQ	Electronic Voltmeter	0.0001 to 100vac rms ±3% to 1Mc and ±5% above 1Mc, in 6 ranges. Input Z: 2MΩ//15μμf on low ranges and //8μμf on high ranges.	Ballantine Labs 310A-LI/5	USN		P/O AN/FQQ-1(V) -2(V)
ME-115/FQQ	Electronic Voltmeter	0.0001 to 100vac ±3% to 1Mc and ±5% above 1Mc, in 6 ranges. Input Z: 2MΩ//15μμf on low ranges and //8μμf on low ranges. General use.	Ballantine Labs 310A (MOD)	USN		P/O AN/FQQ-1(V) -2(V)
ME-115A/FQQ	Electronic Voltmeter	Same as ME-115/FQQ except this unit has longer cable. General use.	Ballantine Labs 310A(MOD)	USN		P/O AN/FQQ-1(V) -2(V)
ME-116/FQQ	Multitester	0.02 to 1500vdc ±3% in 7 ranges at 11MΩ. 0.1 to 1500vac ±5% in 7 ranges and 0 to 4200vac ±5% in 7 ranges at 0.83MΩ//70μμf or better. 0.2Ω to 1000MΩ. in 7 ranges. Electronic type.	Radio Corp of Amer WV-97A	USN		P/O AN/FQQ-1(V) AN/FQQ-2(V)
ME-117/APA-113	Voltmeter	0 to 500vdc. Edgelit panel.	Lavoie Labs K95700120	USN		P/O AN/APA-113
ME-118( )/G ME-118/G	Radiacmeter	Measures pulsed x-ray radiation in the presence of high power and RF signals generated from electronic equipment. Crystal detector. U/W general purpose.		WL-59-2218		
ME-119/MPM-38	Electronic Voltmeter	0.001 to 300vdc ±1% in 10 ranges at 1MΩ. 0.1 to 300vac ±1% in 12 ranges, 20cps to 1Mc at 10MΩ. Electronic type. 1ma movement.		ORDDW-285-56	MPD-4076	P/O AN/MPM-38
ME-120/U	Wattmeter	0 to 250w RF ±10% in 3 ranges, 25 to 1000Mc. 1 to infinity VSWR. Rectifier type.	Standard Electrical 6160	USN (CG)		
ME-121/MSM-12	Electrical Meter Assembly	4 voltmeters: 150-0150v and 25-0-25v. Indicates the magnitude of fin position control voltage of AM-1072(XO-3)/DJW-1 and AM-1510/DJW-3.		ORDDW-308-56		P/O AN/MSM-12
ME-122/FIC-T1	Ammeter	Meter and switch assembly for monitoring cathode currents of vacuum tubes in various public address systems.	Radio Corp of Amer MI-11388			P/O AN/FIC-T1
ME-123/FQQ-2	Electronic Voltmeter	0.001 to 100vac ±3% below 1Mc and ±5% above 1Mc, in 6 ranges, 10cps to 2Mc, at 2MΩ//15μμf on low ranges.	Ballantine Labs 310A	USN 57-197		P/O AN/FQQ-2(V)

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
ME-124()/ARR-44 ME-124/ARR-44	Multimeter	Confidential.		AEL-46-134		
ME-125/U	Wattmeter	0 to 5/15kw peak RF ±10%, 450 to 1250Mc, VSWR: less than 1.25. 1ma for fs deflection.	Sierra Electronics 195A-U	USN 358		
ME-126/FQQ	Electronic Voltmeter	100μv to 100vac ±3% below 1Mc and ±5% above 1Mc, in 6 ranges at 2MΩ//15μμf on low ranges. 40μa movement.	Western Electric Co G245568-2	USN-57-N-452		P/O AN/FQQ-4 OA-1590/FQQ-1
ME-127/U	Modulation Meter	0 to 20kc deviation ±1kv, 25 to 175Mc. Sensitivity: 1mv to 140Mc, 2mv to 174Mc. Requires antenna.	Browning Lab Inc MD-33	USN-57-X-572		
ME-128/MSM-19	Electrical Meter Assembly	1 SWR and 1 wattmeter: 1 to 10 and 0 to 10db; 0 to 10mw ±5%. Measures power level of test signals and SWR of various radio frequency transmissions lines.	Gilfillan Bros	ORDDW-217-57		P/O AN/MSM-19
ME-129()/USM-77 ME-129/USM-77	Electronic Voltmeter	0.03 to 300vdc ±3% in 9 ranges. 0.03 to 300vac rms ±4% in 11 ranges, 0.01 to 2000kc. Reads to 700Mc with 6% error to 700Mc with conversion chart.	Ballantine Labs	AEL-57-599	WCLN 1178A	P/O AN/USM-77
ME-130()/ASR-3 ME-130/ASR-3	Arbitrary Scale Meter	0 to 1ma ±2%. Scale marked 0 to 10, linear.	Weston Electrical Inst 841GE	USN-57-Q-1069	MIL-D-19318 (AER)	P/O AN/ASR-3
ME-131/U	Ammeter	0 to 1ma(dc) ±1%, 1500 ±1% resistance. Scale marked μvolts: 0 to 100, and db: 0 to 40db.	Stoddart Aircraft 90078-9	USN-57-X-1095	SHIPS-I-2714	P/O AN/URM-17A
ME-132/FQQ-1	Electrical Meter Assembly	3 voltmeters: 0 to 150vac.	Western Electric Co GS-55644	USN-57-N-1168		P/O AN/FQQ-1(V)
ME-133/U	Level Audio Meter	-6 to 20db and 0.5 to 10μv scale markings. Accuracy: ±1%. Remote meter.	Molded Insulation 1011-59	SESA-57-1186	MIL-R-11197 (SigC)	P/O AN/URM-7
ME-134()/U	Wattmeter	0 to 500w ±5% with 6 plug-in units, 25 to 250Mc. Scale marked 0 to 25/50/100w. Provides means of measuring forward and reflected power to an antenna.	Bird Electronics 43	SESA-57-1197		
ME-135()/FPT-4 ME-135/FPT-4	Electrical Meter Assembly	1 voltmeter: 0 to 50μa with scale marked 0 to 10/50/500vdc; 1 ammeter: 0 to 1.5a(dc); 1 ammeter; 0 to 3a(dc); 2 ammeters: 0 to 20μa(dc): 1 wattmeter: 0 to 4w and 0 to 50/infinity SWR.	Motorola Inc 301C10438-1	WL-57-1955		P/O OA-1674/FPT-4
ME-136()/FPT-4 ME-136/FPT-4	Electrical Meter Assembly	2 voltmeters and 1 ammeter: 0 to 300vdc; 0 to 10vdc; 0 to 50mv(dc) range with 0 to 50a scale.	Motorola Inc 301D10421-1	WL-57-1965		P/O OA-1673/FPT-4
ME-137()/FPT-4 ME-137/FPT-4	Electrical Meter Assembly	1 voltmeter:0 to 10kv(dc);1 ammeter: 0 to 50μa(dc) range, 0 to 500ma calibration; 1 ammeter: 0 to 800ma (dc); 1 wattmeter: 0 to 200μa range, 0 to 1.2kw calibration; 1 SWR meter: 0 to 200μa(ac) range, 0 to 100/infinity calibration; 1 time to alizing meter: 0 to 10,000hr.	Motorola Inc 301C10587-1	WL-57-1964		P/O OA-1673/FPT-4
ME-138()/FPS-7 ME-138/FPS-7	Roentgen Rate Meter	0 to 1/10/50/500 ±15%. 50μa FS sensitivity. Measures X-radiation from klystron transmitter.	Universal Atomics 409	WL-57-1920	RADC-2383	P/O AN/FPS-7
ME-139()/FPR-2 ME-139/FPR-2	Electrical Meter Assembly	13 meters for radar receiver monitoring.	Motorola Inc 301D10436-1	WL-57-1942		P/O OA-1694/FPR-2
ME-140/G	Wattmeter	0 to 25/50/100w ±3%. Utilizes a low pass filter to limit frequencies to below 1200Mc.		ORDDW-285-57		P/O AN/MSM-12, 21
ME-141/MSM-27	Electrical Meter Assembly	4 voltmeters: 0 to 5vdc; -5 to +5dc; 0 to 10vdc; 0 to 60vac. 2 ammeters: -10 to +10μa(dc); 0 to 1.5 ma(dc). Contains 10v regulated power supply. Used for monitoring AN/DPW-6 and AN/DPW-8.		ORDDW-272-57		P/O AN/MSM-27
ME-142/MSM-29	Voltmeter	0 to 10vdc ±2%, 75μva power consumption. Used for testing major components of type III Corporal Missile.		ORDDW-308-57		P/O AN/MSM-29
ME-143()/GJQ ME-143/GJQ	Digital Voltmeter	0.001 to 999.9vdc ±1digit at 11MΩ, 0.001 to 999.9vac ±0.1%, 400 to 10,000cps, at 10MΩ//20μμf. Automatic ranging on ac and dc. Reads average value on ac ranges.	AC Spark Plug 8570032	WDD-57-656		P/O AN/GJQ-5,7
ME-145()/GRM	Digital Voltmeter	0 to 9.99/99.9/999vdc. Accuracy: ±1% from 1 to 400v. Input Z: 10MΩ. Automatic, electronic type.	General Electric PL7969252G1	WDD-57 220		U/W AN/DRW-10()
ME-145()/MRM-6 ME-145/MRM-6	Digital Voltmeter	Same description as ME-145()/GRM.	General Electric 7969252G1	WDD-60-220A-57		P/O OA-1823/MRM-6
ME-146/FQQ-2	Electrical Meter Assembly	2 voltmeters: 0 to 150vac, 60cps; 0 to 150vac, 400cps. 1 electrical frequency meter: 58 to 62cps.	Western Electric Co GS-19220	SESA-58-n-180		U/W AN/FQQ-2(V)
ME-147/U	Voltmeter	0 to 5/10/15/20kv ±1% dc or ac rms, 0 to 1Mc. Portable electrostatic instrument.	Sensitive Res Inst	SESA-59-295		U/W AN/MPQ-4A
ME-148()/DJM-7 ME-148/DJM-7	Electronic Voltmeter	VTVM and a selector switch connects the voltmeter to the circuit used.	AC Spark Plug	WDD-57-699		P/O AN/DJM-7
ME-149()/FPS-20 ME-149/FPS-20	Arbitrary Scale Meter	5 to 15 scale, ±2%. For remote monitoring of ID-636/GPS&().	Airborne Inst Lab 3720-00D58	WL-58-1337		P/O AN/FPS-20 & 20A
ME-150()/GWM-2A ME-150/GWM-2A	Preload Check-out Ohmmeter	Checks the electrical circuitry of both the old and new MB-1 Rocket Igniters.		SWV-58-49		U/W CY-2089/GWM-2
ME-151()/DJM-9 ME-151/DJM-9	Differential Voltmeter	Voltmeter consists of dc micromilliammeter, to measure amplifier gains. Zero center.	AC Spark Plug 8570932	WDD-58-669		P/O AN/DJM-9
ME-152/DJM-9	Voltmeter	True rms ac voltmeter. Will readout ac voltages from C-2452/DJM-9&().	AC Spark Plug 8570942	WDD-57-672		P/O AN/DJM-9
ME-153/U	Distortion Indicator	0 to 0.3/1/3/10/30% distortion ±5%, 50 to 15000cps. Noise measurements: 80db below reference calibration or 80db below AF of 0dbm level.	General Radio Co 1932-A	N-58-X-1155		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
ME-155( )/U	Galvanometer	50-0-50 scale markings with 1mm spacing of divisions. 8.5μv/mm, at 1 meter on reflecting type scale.	General Electric	SESA-58-175 SIMSA-61-285		U/W AN/MPQ-4
ME-156/U	Ammeter	0 to 2/5/10/20/50/100/200a(ac) ±0.5%, 25 to 400cps. Sensitivity: 200a at 38mv ±20%.	Weston Electrical Inst 904	N-58-T-1712	MIL-M-16034A MIL-M-16034/10	
ME-157/FPN-38	Recording Ammeter	Dual electrical stylus type. Chart speed: 3"/minute. 50 and 60cps frequency range.	Sperry Gyroscope Co 1502232	N-58-ac-1719		P/O OA-2066/FPN-38 OA-2067/FPN-28
ME-158( )/FPN-34 ME-158/FPN-34	Electrical Meter Assembly	1 voltmeter and 1 ammeter for monitoring Power Supply PP-2141/FPN-34, PP-2142/FPN-34.	Bendix Radio R650737-1	WL-58-1847		P/O OA-2069/FPN-34
ME-159( )/U	Wattmeter	0 to 10w ±5%, dc to 10kMc. -30 to +10db ±5%. Non-linear scale.	Hewlett-Packard HP-434A	SESA-58-249		U/W AN/PRC-6,8,9, 10,21,22,25, 35, RT-66/GRC,67, 68
ME-160( )/SKH-1 ME-160/SKH-1	Electronic Voltmeter	0 to 100vdc ±3% in 7 ranges at 122MΩ. 0 to 300vac ±3% in 6 ranges at 5kΩ on 0 to 1vac and 10MΩ or all remaining ac ranges. Previously known as ME-160/U.	Radiophone Co	USN-58-d-1751	OS 7983 (NOrd)	P/O AN/SKH-1
ME-161/U	Electronic Voltmeter	0 to 500vdc ±0.05% for 0.1v and higher, in 4 ranges at infinite impedance at null. Used as portable reference.	John Fluke Co 801	SIMSA-61-119		P/O AN/USM-98
ME-162( )/U ME-162/U	Wattmeter	0 to 15/30/60w ±0.5%, 25 to 125cps. Designed for ac and dc. 2/1a max.	Weston Electrical Inst 432	SESA-58-266		
ME-163( )/G	Standing Wave Ratio Meter	1.1 to 10SWR ±5%, 20 to 1000Mc. Power Range: 50mw to 100w. General use.		SEL-58-356		
ME-164( )/G	Wattmeter	0 to 50/100/500mw rms ±10%, 20 to 400Mc, at 50Ω with max VSWR of 1.05. General Use.		SEL-58-357		
ME-165( )/G ME-165/G	Standing Wave Ratio-Power Meter	0 to 600w peak power ±5%, 1.5 to 20Mc at 50R. VSWR: 0 to 1.5 and 1.5 to 2. Has 52Ω dummy load.	Barker & Williamson 52-500	SESA-59-2074		P/O AN/GRC-26D,41 U/W T-368/URT, TN-339/GR
ME-166/U	Dial Indicati Vacuum Gage	0 to 15" mercury ±2%. 2.5" scale with divisions 0.5" or larger.	General Electric 7437388P1	N-59-ah-851		P/O AN/ASM-19
ME-167/USM-106	Electronic Voltmeter	0.001 to 1000vac ±3% in 6 ranges, 15cps to 3Mc at 11MΩ//8μff.	Ballantine Labs	USN-59-X-957	MIL-E-17362B (SHIPS)	P/O AN/USM-106
ME-168( )/MPQ-29 ME-168/MPQ-29	Electrical Meter Assembly	Indicates ac line voltage, modulator dc high voltage dc power supply voltages, mixer or AFC crystal current and magnetron or thyratron current.	Sperry Utah 2250066	SESA-59-1365	MIL-P-11268C (Sig)	P/O OA-2291/MPQ-29
ME-169( )/MPQ-29 ME-169/MPQ-29	Wavemeter	8.5 to 9.6kMc ±0.01%. Crystal rectifier type with 50μa movement.	Sperry Utah 2275040	SESA-59-1400	MIL-P-11268C (SigC)	P/O OA-2291/MPQ-29
ME-170( )/U	Electronic Voltmeter	100μv to 1v in 5 ranges, 455kc to 36Mc. Cancelled 17 August 1959.	Gerber Scientif Inst GTVM-68	SESA-59-142		U/W AN/PRC-25,3 AN/VRC-12 MD-203/GR
ME-171( )/U ME-171/U	Standing Wave Ratio-Power Meter	0 to 60w ±5%, 200 to 500Mc. SWR: 0 to infinity ±10%, 200 to 500Mc. Nonlinear scale.	MC Jones Elec Co 714-C	SESA-59-2304		P/O OA-2380/USD-1 U/W T-737/USD-1
ME-172/AQS-10	Height Meter	0 to 50μa(dc). Scale marked in 1 foot divisions, 0 to 200 feet. Indicates aircraft height over water when transducer is lowered into water.	Bendix Pacific Corp 1043741	USN-59-Q-1471		P/O AN/AQS-10
ME-173/SQM-1	Sound Measuring Meter	0 to 58db (referred to 1 microbar), 8 to 35kc ±0. Provides absolute measure of noise level of a ship as seen on the sonar.		N-59-1541	MIL-S-19885A (SHIPS)	P/O AN/SQM-1
ME-174/FQQ-3	Electrical Meter Assembly	2 voltmeters: 0 to 150vac. 1 electrical frequency meter: 58 to 62cps. For 60 and 400cps ac voltages and 60cps frequency.	Western Electric Co GS-57658	N-59-n-1951		P/O AN/FQQ-3(V)
ME-175( )/FPS-35 ME-175/FPS-35	Electrical Meter Assembly	Provides facilities for monitoring specific voltages and currents for proper operation of tetrode amplifier: 16 meters.	Sperry Gyroscope Co 1016157	WL-59-1573	MIL-R-9615A	P/O AN/FPS-35
ME-176( )/APN-129 ME-176/APN-129	Ammeter	0 to 5ma(dc) ±2%. 150mv drop across terminals. Indicates diode current in microwave crystal mixer.	Ryan Aeronautical 120K3001-1	SESA-59-2555		P/O AN/APN-129( )
ME-177/FQQ-3	Electrical Meter Assembly	1 voltmeter: 0 to 150vac. 1 electrical frequency meter: 380 to 420cps and 300 to 500cps. Indicates 400cps ac voltage and frequency in SB-564/FQQ-1.	Western Electric Co GS-57657	N-59-n-2498		P/O AN/FQQ-3(V)
ME-178/UR	Meter Assembly	2dc microammeters, 0 to 100scale, calibrated every 10 units. For remote watt meter reading.	Collins Radio 522 2127 00	USN-59-Y-2853		U/W CU-791/URT
ME-179/U	Recording Ammeter	0 to 1ma(ac) ±1%, 50 or 60cps. Chart speed: 0.75/ 1.5/ 3/ 6/ or 12"/minute or inches/hour. 2 pens.	Texas Instrument Inc DR1M1M-A16-LR16-R-ED	USN-60-ac-79		P/O AN/USH-7,8
ME-180/USM-116	Electronic Multitester	0 to 1/3/10/30/100/300/1000vdc ±2% at 100MΩ. 0 to 1/3/10/30/100/300vac ±2%, to 1000vac w/external multiplier ±4% at 8MΩ at 20cps to 80kΩ//1.5μf at 50Mc. 0 to 1/3/10/30/100/300/1000/infinity Ω.	Hickok Electrical Inst 902-339	N-60-X-244		P/O AN/USM-116
ME-181( )/U	Photo Electric Candle Foot Meter	0 to 350ft candles. 1 cell, built in type target.	General Electric	SIMSA-60-2733		
ME-182( )/U ME-182/U	Recording Ammeter	-0.5 to 0 to 0.5ma(ac) ±1%. Chart speed: 0.75/1.5/3/ 6/12"/hr or inches/minute.	Aircraft Radio Corp 25130	N-60-X-555		P/O AN/URM-115

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
ME-183()/TRC-66 ME-183/TRC-66	Electrical Meter Assembly	5 meters. Provides facilities for circuit checks on all units in the receiver-transmitter cabinet.	Canadian Westinghouse 723D416 G-01	WL-60-R-2235	EXH: RADC-2541A	P/O OA-2776/TRC-66
ME-184/U	Audio Level Meter	0 to 17db extended by -10, 0, +10, and +20 w/external multiplier ±5%, 30 to 10000cps. 0 to 50mw extend by ratio of 0.1:1, 1:1, 10:1 or 100:1 odb is 1mw over the variable input impedance of 2.5 to 20000Ω.	Daven Co OP-182B	N-60-T-716		P/O AN/GRM-32 AN/GRM-38
ME-185/USM-123	Volt-Ohm-Ammeter	0 to 1.6/8/40/160/400/1600/4000vdc at 100kΩ/v. 0 to 3/8/40/160/800vac at 5kΩ/v. AF output: 0 to 3/8/40/160v. 10μa, 7", basic movement.	Simpson Electric 269	N-60-T-717		P/O AN/USM-123
ME-186/U	Amplifier-Electronic Voltmeter	300μv to 1000vdc ±3% in 14 ranges at 10MΩ on lowest range to 100MΩ on highest. Amplifier has gain of 70db max for use as stable dc amplifier.	Kintel 202B	N-60-T-718		P/O AN/GRM-32,32A
ME-187()/TPQ-13 ME-187/TPQ-13	Electrical Meter Assembly	1 voltmeter: 0 to 150vac ±5% at 60cps; 1 kilovoltmeter: 0 to 15kvdc ±2.5%. 3 ammeters: 0 to 1ma(dc) ±2%; 0 to 50ma(dc) ±2%; 0 to 500ma(dc) ±2%.	Weston Electrical Inst 1521	SESA-60-2359		P/O OA-2870/TPQ-13
ME-188()/FPS-6 ME-188/FPS-6	Electronic Voltmeter	0 to 200μvdc or video ±5% at 1MΩ on dc. 50μa movement.	General Electric 7625905G1	WL-60-2673	MIL-R-26463	P/O OA-2886/FPS-6
ME-189/U	Electronic Voltmeter	0.001 to 100vac ±3% to 1Mc and ±5% above 1Mc at 2MΩ //15μμf on low ranges and //8μμf on high ranges.	Ballantine Labs 310A/U25	N-60-m-1051		P/O AN/FQQ-3(V)
ME-190/U	Electronic Volt-Ohmmeter	0.02 to 1500vdc ±3% in 7 ranges at //MΩ. 0.1 to 1500vac rms ±3% in 7 ranges at 0.83MΩ//70μμf to 1.5MΩ//60μμf on high ranges. 0.20Ω to 1000MΩ ±3% in 7 ranges. 200μa sensitivity.	Radio Corp of Amer WV-98A	N-60-m-1048		P/O AN/FQQ-3(V)
ME-191/FQQ-3(V)	Electrical Meter Assembly	2 voltmeters: 0 to 750vdc; 0 to 500vdc. 2 ammeters: 0 to 1a(dc); 0 to 10a(dc).	Western Electric Co GS-59643	N-60-m-1045		P/O AN/FQQ-3(V)
ME-192()/GSM ME-192/GSM	Phasemter	Measures phase difference between 2 sinusoidal voltages ±0.1°, 30cps to 20kc, at 10MΩ//25μμf.	Convair 901	WDD-60-2141		
ME-193()/GSM ME-193/GSM	Voltmeter	0 to 100/1000vdc. 0 to 10/100/1000vac. Displays 5 digits on dc and 4 on ac.	Convair 5512	WDD-60-2146		
ME-194()/GSM ME-194/GSM	Ammeter	0 to 2/5/10a(dc) ±0.5%. Used for calibrating dc ammeters on missile power control units.	Convair ZC-7-028	WDD-60-2151		
ME-195()/GSM ME-195/GSM	Digital Voltmeter	0.001 to 999.99v ±0.01%. Automatically changes range, polarity, and decimal point position.	Convair V-35	WDD-60-2155		
ME-196()/GSM ME-196/GSM	Ammeter	0 to 10/100/1000/10000μa(dc) ±0.5%. For use with TS-1100A/U.	Convair ZC-7- 28	WDD-60-2170		
ME-197/U	Phasemeter	Measures phase difference directly in degrees between two 400cps ac voltages with an average accuracy of ±0.1 degree and stability of ±3 parts in 10' per week.		N-60-X-1171		
ME-198()/GLA ME-198/GLA	Ammeter	0 to 50μa(dc) ±2%. 30mv drop across terminals. Measures current in storage tube for alignment.	Airborne Inst Lab 178762-1	WL-60-2916	MIL-V-26435	P/O OA-2892/GLA
ME-199/FQQ	Electrical Meter Assembly	Measures 0.2 to 1500vdc; 0.001 to 1500vac; 0.2 to 1kMΩ 7 range electronic volt-ohmeter. 6 range voltmeter.	Western Electric Co G-309757	N-60-n-1519		P/O AN/FQQ-3(V)
ME-200()/GSQ-39 ME-200/GSQ-39	Multitester	Detects poor continuity undetected with high voltage testers. Also useful in checking magnetic tape read/write leads, etc.	Hoffman Electronics 123-57-467-00-00-01	AEL-60-864		P/O OA-2217/GSQ-39
ME-201()/FPS-26 ME-201/FPS-26	Null Meter	Null meter used to zero the antenna, comparing the sine and K pot voltage, and peaking the encoder.	Crosley 746823	WL-60-R-4488	MIL-R-9691A	U/W AN/FPS-26
ME-202()/U	Electronic Voltmeter	±0.1 to ±500vdc ±0.05% in 8 ranges at 1 to 10MΩ. ±0.01 to 0.50vac ±0.2% in 8 ranges at 1MΩ//25μμf.	John Fluke Co 803	SIMSA-60-171		U/W AN/APQ-86
ME-203()/APS-96 ME-203/APS-96	Radio Frequency Power Meter	0 to 1.5Mw peak incident power. 1.0 to 3.0VSWR. Used on radar transmission line.	General Electric 708D532G1	N-60-W-2314		P/O AN/APS-96
ME-204/URM-85	Remote Multitester	Duplicates panel meter on the main unit of the radio interference measuring set up to distances of 30 feet.	Empire Devices Prod. C-6659	SIMSA-60-248		P/O AN/URM-85
ME-205/ASM-33	Multitester	1 to 1000vdc ±0.1% in 4 ranges at 3MΩ. 1 to 1000vac ±0.25% in 4 ranges at 3MΩ. 1Ω to 1MΩ ±0.25% in 4 ranges. Electronic type.	General Electric 134A2370G1	N-61-W-108		P/O AN/ASM-33
ME-206()/FPS-26 ME-206/FPS-26	Electronic Voltmeter	0.3 to 300vac ±5% at 1MΩ. Electronic type. 200μa movement. For nulling various synchro devices.	Crosley 750416	WL-61-1442	MIL-R-9691A	U/W AN/FPS-26
ME-207()/U ME-207/U	Electronic Voltmeter	0.0001 to 300vac in 12 ranges. -72 to +52dbm across 600Ω in 12 ranges. Accuracy: ±1% from 50cps to 500kc.	Hewlett Packard 400H	N-61-X-299		
ME-208/U	Multitester	Cancelled 4 April 1961.	General Radio Co 1932A	SIMSA-61-2111		AN/URM-140
ME-209/FQA-5(V)	Electrical Meter Assembly	2 voltmeters: 0 to 15/75/150vdc; 0 to 150vac. Measures each single phase 60cps output of the GS61654 Power Distribution Panel.	Western Electric Co GS61881	N-61-n 573		P/O OA-3343/FQA-5(V) OA-3342/FQA-5(V)
ME-210/U	Multitester	1.6 to 4000vdc in 7 ranges at 20kΩ/v. 3 to 800vac in 5 ranges at 5kΩ/v. 3 to 160v AF in 4 ranges. -12 to +45.5db in 4 steps. 0 to 1.6a(dc) in 5 steps. Resistance scale: X 1/10/100/1k/10k/100k.	Simpson Electric 262	N-61-T-667		U/W OA-3359/TPS-31
ME-211/TPS-31	Electrical Meter Assembly	1 tuning meter: 0 center, -50 to 50μa. 1 multipurpose meter: 0 to 100μa.	Raytheon 7108	N-61-T-684	SHIPS-R-3629	P/O OA-3367/TPS-31 OA-3364/TPS-31
ME-212/GRC-19	Ammeter	0 to 1a(dc) ±2%, 11mv drop across terminals.	Simpson Electric 25 (Modified)	SIMSA-61-2268		P/O AN/GRC-19
ME-213/U	Ohmmeter	0.5MΩ to 2000kMΩ. High resistance measurement of printed circuits, cables and insulation resistance.	General Radio Co 1862-B	SIMSA-61-2285		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
ME-214/GRC-19	Audio Level Meter	-20 to +3volume units, 0 to 100% ±2.1%. Reference level: 1mw at 600. Measures audio at modulator output of transmitter.	General Electric 8D0615AB20	SIMSA-61-2315		P/O T-195/GRC-19
ME-215()/FPS-6 ME-215/FPS-6	Electronic Voltmeter	0 to 200μvdc or video ±5% at 1MΩ on dc.	General Electric 7093188G1	WL-61-2294	MIL-R-26463	P/O OA-3439/FPS-6
ME-216/FQA-4(V)	Electrical Meter Assembly	2 voltmeters: 1mv to 1000vac; 0 to 300vac, 0 to 1000vdc, 0.2Ω to 500MΩ and calibration.	Western Electric Co G353462	N-61-n-1439		P/O OA-3453/FQA-4(V)
ME-217()/FPS-6 ME-217/FPS-6	Electronic Voltmeter	0 to 200μvdc or video ±5% at 1MΩ on dc. 50μa movement.	General Electric 7093181G1	WL-61-2313	MIL-R-26463	P/O AM-3130/FPS-6
ME-218/GSM-64	Digital Voltmeter	±0.0001 to±999.99vdc ±0.01% in 3 ranges at 10MΩ. Voltage Ratio: ±00.001 to 99.999% ±0.005% at 1MΩ. Automatic range and polarity changing .2 to 3sec max balancing time.	Non-Linear Systems	SIMSA-61-356		P/O AN/GSM-64()
ME-219/SQM-2	Sound Measuring Meter	120 to 140db (referred to 1μbar) ±0.5db, 8 to 35kc. Measures noise level and transmitted pulse power.	Hickok Electrical Inst	N-61-n-1605	SHIPS-M-3693	P/O AN/SQM-2
ME-220()/SPG-55B ME-220/SPG-55B	Radio Frequency Power Meter	Measures power of capture, track and guidance RF signals, 5290 to 5400Mc.	Sperry Gyroscope 2379204	N-61-W-1633		P/O AN/SPG-55B
ME-221()/U ME-221/U	Ammeter	0 to 500μa(dc) ±5%. 30mv sensitivity. 100 linear scale divisions.	Weston Electrical Inst 622	SIMSA-61-369		
ME-222()/U ME-222/U	Ammeter	0 to 150μa(dc) ±0.5%, 30Ω resistance. Magnetically shielded.	Weston Electrical Inst 622	SIMSA-61-370		
ME-223()/U ME-223/U	Phase Angle Voltmeter	0 to 300vac in 12 ranges. 0 to 360° in 4 ranges. Measures total, in-phase and quadrature voltage.	North Atlantic Inc 202BR	SIMSA-61-381		
ME-225/MPS-23	Noise Figure Meter	21/6Mc input frequency. Monitors noise figure of receiver by measuring output noise with calibrated noise input to the receiver.	Hughes Aircraft Co 556196-100	SIMSA-61-2678	ADA-18B	P/O AO-3549/MPS-23
ME-226()/APQ-86	Frequency Meter	Cancelled 10 September 1962.		USAEMSA-62-454		
ME-227()/U	Electronic Voltmeter	1mv to 1kvdc ±3% in 13 ranges.	Cohu Electronics MV-17C	SIMSA-61-429		U/W AN/ASW-12(V)
ME-229()/ASM-35 ME-229/ASM-35	Multitester	0.00001 to 999.9vdc ±0.01% in 5 ranges at 1kMΩ. 0.0001 to 700vac ±0.01% in 4 ranges at 10MΩ//45μμf. Electronic digital volt-ohmmeter.	Magnavox 712422-801 Electro-Instrument 851	N-61-W-1877		P/O OA-3579/ASM-35
ME-230()/MSQ-44 ME-230/MSQ-44	Digital Voltmeter	±0.0001 to ±0.999/9.999/99.99/999.9vdc ±1 digit, 10MΩ dc voltage ratio; ±00.01% to ±99.99% accuracy ±0.01%fs 10MΩ. Reference Z=50kΩ.	Reeves Inst 184848	N-61-W-2628		P/O OA-3750/MSQ-44
ME-231()/FYQ-5 ME-231/FYQ-5	Digital Voltmeter	Performs as high impedance voltmeter with digital readout and self-contained voltage reference.	Hewlett-Packard 4564459G1	WL-62-1237		P/O OA-3818/FYQ-5
ME-232()/U ME-232/U	Voltmeter	Test for ac and dc voltages from 0.5 to 30v in firing circuit cable of the re-entry vehicle.	General Electric	WDD-61-835		
ME-233()/TPS-22 ME-233/TPS-22	Calorimetric Wattmeter	2 thermometers and a flowmeter. Thermometers show temperature differential of pump-circulated water passing around dummy load at predetermined flow rate.	Westinghouse Electric 377A442G01	WL-62-1488		P/O AN/TPS-22
ME-234()/TPS-27 ME-234/TPS-27	Float Type Flow Rate Indicator Meter	Indicates water flow rate in cooling system of TWT VA125. Can be tapped into cooling system at check areas through use of integral quick-disconnect coupling.	Westinghouse Electric 378A519G01	WL-62-1526		P/O AN/TPS-27
ME-235()/FPS-35 ME-235/FPS-35	Ammeter	0 to 10μa(dc) ±2%fs. 300v drop across terminals.	Sperry Gyroscope Co	WL-62-1594	MIL-E-4158B MIL-R-9615A	P/O OA-3885/FPS-35
ME-236/USM-162	Multimeter	0 to 1kvdc ±3% in 5 ranges, 0 to 1kvac ±5% in 5 ranges, 0 to 500ma(dc) ±3% in 5 ranges, 0 to 30MΩ ±3% in 4 ranges.	Abbey Electronics Corp	N-62-W-977		P/O AN/USM-162
ME-237/SPG-49A	Electrical Meter Assembly	1 voltmeter: 0 to 100vdc. 1 ammeter: 0 to 4a(dc).	Sperry Gyroscope Co 1040154	N-62-W-1025		P/O OA-3994/SPG-49A
ME-238()/ARM-64 ME-238/ARM-64	Voltmeter	0 to 5/50/250/500vdc. 0 to 5/250vac. 50μa movement. Measures voltages in translator.	Magnavox Co	AEL-62-333		P/O AN/ARM-64
ME-239()/U ME-239/U	Multimeter	0 to 500vdc ±0.5% in 5 ranges, 0 to 500vac ±0.5% in 5 ranges. 0 to 10a(ac) ±0.5% in 5 ranges. 0 to 5kwac ±0.75% in 12 ranges. 10ma sensitivity. 50 to 800cps.	Sensitive Res Inst Model VAW, Part No. 3-260.00	SIMSA-62-338		
ME-240/SPM-15	Multimeter	0.0000 to 999.9vdc ±1 digit 10MΩ in 4 ranges 0.000 to 999.9KΩ ±1 digit in 2 ranges. 100μv sensitivity. digital readout and automatic ranging.	Raytheon Co 4120-5001G3	N-62-W-1474	OS-12484	P/O OA-4120/SPM-15
ME-242()/AAM-14 ME-242/AAM-14	Arbitrary Scale Meter	Contains voltmeter, checks voltages of PP-3012/AAS-14 prior to operating SM-311/AAM-14.	HRB-Singer Inc 61136	SIMSA-62-2721		P/O OA-4138/AAM-14
ME-243/FQM	Electronic Voltmeter	0 to 1kvdc ±3% 100MΩ in 7 ranges. 0 to 300vac ±3% 10MΩ in 6 ranges. 0.2Ω to 500MΩ ±3% 1ma in 7 ranges.	Hewlett-Packard 410-B modified	N-62-n-1645		P/O AN/FQM-3,4,and5
ME-244/FQM	Electronic Voltmeter	0.001v to 1kvac ±3% 11MΩ in 6 ranges.	Ballantine Labs Model 314U/4 modified	N-62-n-1648		P/O AN/FQM-3,4,and5
ME-245()/ALM-37 ME-245/ALM-37	Electrical Meter Assembly	10 meters mounted on one panel to indicate power supply voltages and currents.	Webcor Inc G35A16566	N-62-W-1725		U/W AN/ALT-19 P/O AN/ALM-37 AN/ALM-37()
ME-246()/FPS-74 ME-246/FPS-74	Coolant Purity Meter	In conjunction with conductivity cells measures electrical resistance of coolant entering and leaving the demineralization and filteration loop.	Budd Electronics 2000A03-0100	WL-62-2934		P/O HD-579()/FPS-74

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
ME-247()/U ME-247/U	Electronic Voltmeter	300μv to 3v RF in 8 ranges. 0 to 70db in 8 ranges. Accuracy: ±5% to 200Mc and ±10% to 600Mc. 200ma meter. Monitors voltage output of AN/GRM-50.	Boonton Electronics 91CA	SIMSA-62-410		P/O AN/URM-145()
ME-247()/U ME-247/U	Electronic Voltmeter	Same description as ME-247/U.	Boonton Electronics 91CA-1	EMSA-62-1507		U/W AN/FSG-1 P/O AN/URM-145
ME-248()/GPQ-T6 ME-248/GPQ-T6	Digital Voltmeter	0.01 to ±999vdc in 3 ranges. 0.00 to +0.01vdc in operate mode. Automatic range changing.	Gilfillan Bros 101188	AEL-62-621		P/O AN/GPQ-T6
ME-249()/U	Electronic Voltmeter	300μv to 3v RF ±5% to 200Mc, ±10% above 200Mc. May be used as a null indicator to 200μv.	Boonton Electronics 91CA	SIMSA-62-441		
ME-250()/U	Ampere-Volt Meter	10μv to 10v ±0.5% in 5 ranges, ac or dc, 0 to 10kc. 1μa to 10ma ±0.5% in 5 ranges, ac or dc, 0 to 10kc.	Hathaway Instruments A23	SIMSA-62-442		U/W AN/AAM-12
ME-251/U	Multitester	0 to 1500vdc ±3% in 7 ranges at 11MΩ. 0 to 1500vac rms ±3% in 7 ranges and 0 to 1kMΩ ±3% in 7 ranges at 0.83MΩ//70μμf on low ranges to 1.5MΩ//60μμf on high ranges.	Western Electric Co G254964	N-62-n-2084		P/O OA-1143A/FQQ-1
ME-252()/ASM-33A ME-252/ASM-33A	Multitester	Reads to 1000vdc ±0.1% in 4 ranges at 3MΩ, to 1000vac ±0.25% in 4 ranges at 3MΩ, to 1000kΩ ±0.25% in 4 ranges.	General Electric 134A2370G3	NW-62-159		P/O AN/ASM-33A
ME-253()/FLR-9(V) ME-253/FLR-9(V)	Time Totalizing Meter	Synchronous motor operated, registers to 99999.9 hours. Has convenience outlet.	Sylvania Electric Co 89-724729-1	WL-62-4831		P/O AN/FLR-9(V)
ME-254()/U ME-254/U	Flutter and Wow Meter	0.01 to 0.3/1/3% ±2%. Input: 0.001 to 300v at 500kΩ. Bandwidth: 0.5 to 6cps, 5 to 250cps, 0.5 to 250cps. Built in test oscillator at 3kc ±5%.	Amplifier Corp 590-A-1	EMSA-62-541		
ME-255()/U ME-255/U	Photoelectric Foot Candle Meter	0 to 600ft candles. Light target is 2 cells, external filtered type.	Weston Electrical Inst 143762	EMSA-62-2051		
ME-256()/FSQ-31 ME-256/FSQ-31	Electrical Current Calibrator	0 to 1a p-p ±0.25%. Attaches to oscilloscope, a signal generator and a test prod for calibrating them.	IBM Corp 3691470	WL-62-6108		U/W AN/FSQ-31
ME-257()/TRC-66A ME-257/TRC-66A	Electrical Meter Assembly	3 ammeters: 0 to 1ma(dc). 1 ammeter: 0 to 50ma(dc). Monitors receiver mixer crystal current.	Gen Instruments Corp 8349416	WL-63-1487		P/O OA-4784/TRC-66A
ME-258()/U	Multitester	1 to 1000vdc in 4 ranges. 1 to 1000vac in 4 ranges, 10cps to 100kc. 100μa to 60a(dc) in 6 ranges. 1Ω to 1MΩ in 6 ranges. Accuracy: ±1%. Digital, electronic type meter.	Western Reserve Elec 300M	EMSA-63-37		
ME-259()/FPS-35 ME-259/FPS-35	Radio Frequency Power Calorimster	Employs a number of thermocouple junctions in 2 water passages to produce an open circuit output of 850μv/°C of temperature difference.	Sperry Gyroscope Co 1022550	WL-63-1285		P/O AN/FPS-35
ME-260()/U	Electronic Voltmeter	0.001 to 300vac ±1% in 12 ranges, 10cps to 1Mc. -72 to 52dbm in 12 ranges ±1%. Input Z: 2MΩ.	Hewlett Packard 403B	EMSA-63-79		U/W AN/USM-181()
ME-5001()/U	Multitester	0 to 1500vdc ±3% in 7 ranges at 11MΩ. 0 to 1200vac ±5% in 7 ranges at 0.83MΩ to 1.50MΩ. 0 to 1kMΩ in 7 ranges. 200μa, 4.75" movement. Electronic type.	Radio Corp of Amer WV-97A	Canada RCAF-111		U/W AN/TPS-501
ME-5002()/U ME-5002/U	Multitester	Cancelled 14 July 1953.	Bach-Simpson Ltd 955 (Mod.)	Canada CA-140	OS-214	
ME-5004()/U	Multitester	0 to 1kvdc ±2% in 6 ranges at 20kΩ/volt. 0 to 1kvac ±3.5% in 6 ranges at 1kΩ/volt. 0 to 10a(dc) ±1.2% in 7 ranges. 0 to 10a(ac) ±3.5% in 4 ranges.	Automatic Coil Ltd 8	RCAF-452	DAD 153 Issue # 1	P/O AN/FPS-502
ME-5005()/U	Wattmeter	0 to 1/25CW ±5% at 40Mc, 1 to 100Mc at 52Ω.	Canadian Marconi Co TF-957	USA CA-171		
ME-5006()/U	Wattmeter	10 to 200μw, 20 to 600μw, 0.1 to 2/20mw, 0.2 to 6/60mw, 10 to 200mw, 20 to 600mw, 0.1 to 2w and 0.2 to 6w. -10 to +38db at 1mw. ±5% accuracy fs at 40Mc.	Canadian Marconi Co TF-938	USA CA-174		
ME-5007()/U	Multitester	0 to 750vac ±3%fs in 3 ranges, 0 to 800a(ac) ±3% fs in 5 ranges.	General Electric AK-4	CA-237		
ME-5008()/U	Replacement Multitester	0 to 10v, 0 to 2kΩ. Sensitivity 50μa, 5kΩ ±2%. Special: 0 to 50μa ±2% fs. All dc. Meter for ME-77/U.	Stark Elec Inst Ltd	CAMESA-14		
ME-5009/U	Multitester	Cancelled 6 May 1959.		CA-385		
ME-5010()/FRA-505(V) ME-5010/FRA-505(V)	Electrical Meter Assembly	4 voltmeters: 0 to 15vac; 0 to 50vdc; 0 to 150vac; 0 to 150v.		CA-62-587		P/O AN/FRA-505(V)

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MK-4/TRC-1()	Maintenance Equipment	Contains parts and instructions for repairing, aligning, and maintaining Radio Link Set AN/TRC-1().	F M Link		271-3010	P/O AN/TRC-1()
MK-4A/TRC-1	Maintenance Equipment	Test equipment, tools and parts for limited maintenance of Radio Receiver R-19()/TRC-1, Radio Transmitter T-14()/TRC-1 and Test Oscillator TS-32()/TRC-1.	F M Link		271-3010	P/O AN/TRC-1A
MK-4B/TRC-1	Maintenance Equipment	Test equipment and parts for limited maintenance of Radio Receiver R-19B/TRC-1, Radio Transmitter T-14B/TRC-1 and Test Oscillator TS-32A/TRC-1.	Rauland Corp	QCD	271-3010	P/O AN/TRC-1B
MK-4D/TRC-1	Maintenance Equipment	Test equipment and tools for limited maintenance of Radio Receiver R-19D/TRC-1, Radio Transmitter Set T-14D/TRC-1 and Test Oscillator TS-32B/TRC-1.	Rauland Corp			P/O AN/TRC-1B
MK-4E/TRC-1	Maintenance Equipment	Test equipment and parts for limited maintenance of Radio Receiver R-19E/TRC-1, Radio Transmitter T-14E/TRC-1, and Test Oscillator TS-32B/TRC-1.	Lear Inc	SQGBA	271-3010	P/O AN/TRC-1E
MK-4F/TRC-1	Maintenance Equipment	Test equipment and parts for limited maintenance of Radio Receiver R-19F/TRC-1, Radio Transmitter T-14F/TRC-1, and Test Oscillator TS-32B/TRC-1.	Rauland Corp	MPD	271-3010	P/O AN/TRC-1F
MK-4G/TRC-1	Maintenance Equipment	Test equipment and parts for limited maintenance of Radio Receiver R-19G/TRC-1, Radio Transmitter T-14G/TRC-1, and Test Oscillator TS-32B/TRC-1.	Lear Inc	MPD	271-3010	P/O AN/TRC-1G
MK-5/TRC-3	Maintenance Equipment	Test equipment and parts for maintenance of two Radio Transmitters T-14()/TRC-1, two Radio Receivers R-19()/TRC-1 and one Test Oscillator TS-32()/TRC-1.	F M Link			P/O AN/TRC-3()
MK-5A/TRC-3	Maintenance Equipment	Same description as MK-5/TRC-3.	F M Link		271-3010	P/O AN/TRC-3A
MK-5B/TRC-3	Maintenance Equipment	Test equipment and parts for maintenance of two Radio Receivers R-19B/TRC-1, two Radio Transmitters T-14B/TRC-1, and Test Oscillator TS-32A/TRC-1.	Rauland Corp	QCD	271-3010	P/O AN/TRC-3B
MK-5C/TRC-3	Maintenance Equipment	Test equipment and parts for maintenance of two Radio Receivers R-19C/TRC-1, two Radio Transmitters T-14C/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Lear Inc	QCD		P/O AN/TRC-3C
MK-5D/TRC-3	Maintenance Equipment	Test equipment and parts for maintenance of two Radio Receivers R-19D/TRC-1, two Radio Transmitters T-14D/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Rauland Corp	MPD	271-3010	P/O AN/TRC-3D
MK-5E/TRC-3	Maintenance Equipment	Test equipment and parts for maintenance of two Radio Receivers R-19E/TRC-1, two Radio Transmitters T-14E/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Lear Inc	MPD	271-3010	P/O AN/TRC-3E
MK-5F/TRC-3	Maintenance Equipment	Test equipment and parts for maintenance of two Radio Receivers R-19F/TRC-1, two Radio Transmitters T-14F/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Rauland Corp	MPD	271-3010	P/O AN/TRC-3F
MK-5G/TRC-3	Maintenance Equipment	Test equipment and parts for maintenance of two Radio Receivers R-19G/TRC-1, two Radio Transmitters T-14G/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Lear Inc	MPD	271-3010	P/O AN/TRC-3G
MK-6/TRC-4	Maintenance Equipment	Test equipment and parts for maintenance of three Radio Transmitter T-14()/TRC-1, three Radio Receiver R-19()/TRC-1 and one Test Oscillator TS-32()/TRC-1.	F M Link			P/O AN/TRC-4()
MK-6A/TRC-4	Maintenance Equipment	Same description as MK-6/TRC-4.	F M Link		271-3010	P/O AN/TRC-4A
MK-6B/TRC-4	Maintenance Equipment	Test equipment and parts for three Radio Receiver R-19/TRC-1, three Radio Transmitter T-14B/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Rauland Corp			P/O AN/TRC-4B
MK-6C/TRC-4	Maintenance Equipment	Test equipment parts for three Radio Receiver R-19C/TRC-1, three Radio Transmitter T-14C/TRC-1 one Test Oscillator TS-32A/TRC-1.	Lear Inc		271-3010	P/O AN/TRC-4C
MK-6D/TRC-4	Maintenance Equipment	Test equipment parts for three Radio Receiver R-19D/TRC-1, three Radio Transmitter T-14D/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Rauland Corp		271-3010	P/O AN/TRC-4D
MK-6E/TRC-4	Maintenance Equipment	Test equipment and parts for three Radio Receiver R-19E/TRC-1, three Radio Transmitter T-14E/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Lear Inc	MPD	271-3010	P/O AN/TRC-4E
MK-6F/TRC-4	Maintenance Equipment	Test equipment and parts for three Radio Receiver R-19F/TRC-1, three Radio Transmitter T-14F/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Rauland Corp	MPD	271-3010	P/O AN/TRC-4F
MK-6G/TRC-4	Maintenance Equipment	Test equipment and parts for three Radio Receiver R-19G/TRC-1, three Radio Transmitter T-14G/TRC-1 and one Test Oscillator TS-32A/TRC-1.	Lear Inc	MPD	271-3010	P/O AN/TRC-4G
MK-8()/FMQ-1 MK-8/FMQ-1	Maintenance Equipment	Frequency Standard TS-65()/FMQ-1, tools and accessories for Radiosonde Receptor AN/FMQ-1.		QCD		P/O AN/FMQ-1
MK-66()/APG-33	Electrical Test Bench	Maintenance equipment for Radar Set AN/APQ-33 and Type A-1C (M) GBR Sight.		AEL-50-560		U/W AN/APG-33
MK-67()/APG-30	Electrical Test Bench	Cancelled 10 August 1951.		AEL-50-561		
MK-68()/APG-30	Electrical Test Bench	Cancelled 8 October 1961.		AEL-50-562		
MK-69()/APG-33	Electrical Test Bench	Maintenance equipment for field tests of Radar Set AN/APG-33 and Type A-1C(M) GBR Sight.		AEL-50-563		U/W AN/APG-33
MK-70()/APG-5C	Electrical Test Bench	Maintenance equipment for organizational test of Radio Set AN/APG-5C and Type A-1C(M) Sight.		AEL-50-737	NCREXG-216	U/W AN/APG-5C
MK-71()/APG-5C	Electrical Test Bench	Maintenance equipment for field test of Radio Set AN/APG-5C and Type A-1C(M) Sight.		AEL-50-738	NCREXG-217	U/W AN/APG-5C
MK-72()/APG-30	Electrical Test Bench	Cancelled 8 October 1951.		AEL-50-739		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MK-73()/APG-33	Electrical Test Bench	Maintenance equipment for organizational test of Radar Set AN/APG-33 and Type A-1C(M) Sight.		AEL-50-740	NCREXG-219	U/W AN/APG-33
MK-75()/APM-65	Electrical Test Bench	Provides facilities for mounting various radar components for testing.	Westinghouse Electric 51-C-3869-G1	USN		P/O AN/APM-65()
MK-76()/APM-65	Electrical Test Bench	Provides line power and mounting facilities for testing electrical equipment.	Westinghouse Electric 51-C-3870-G1	USN		P/O AN/APM-65()
MK-77()/APM-65	Electrical Test Bench	Provides facilities for mounting various components of the AN/APS-28 while testing.	Westinghouse Electric 51-C-3871-G1	USN		P/O AN/APM-65()
MK-78()/APM-65	Electrical Test Stand	Fixed floor type stand for supporting antenna under test. P/O Electrical Test Bench Set AN/APM-65().	Westinghouse Electric 55-A-2762-G1	USN		P/O AN/APM-65()
MK-79()/ASM-2 MK-79/ASM-2	Electrical Test Stand	Composed of base, turntable, speed reduction unit, and drive motor for testing and calibrating rate gyroscope of AN/APG-26.	Westinghouse Electric 1JD424	USN		P/O AN/ASM-2()
MK-79A/ASM-2	Electrical Test Stand	Base, turntable, speed reduction unit, and drive motor for testing rate gyroscopes.	Westinghouse Electric 1JD424-G2	USA USN		P/O AN/ASM-2()
MK-79B/ASM-2	Electrical Test Stand	Same description as MK-79A/ASM-2.	Westinghouse Electric 1JJ1122-G1	USN		P/O AN/APM-79 U/W AS-459/APG-26, AS-565/APQ-A1, AS-598/APG-26, AS-629/APQ-50
MK-91()/APM-66 MK-91/APM-66	Test Kit	Provides mounting facilities and interconnecting cables for testing Radar Set AN/APN-22.	Raytheon 1806B	USA USN	MIL-T-945a	P/O AN/APM-66
MK-118()/DPN-14	Beacon Test Facilities Kit	For alignment and pre-flight testing of Radar Beacon AN/DPN-14.		USA 3015-4294		U/W AN/DPN-14()
MK-128()/ARC-27 MK-128/ARC-27	Test Bench Cable Kit	Provides facilities for bench test of Radio Set AN/ARC-27.	Collins Radio	USA USN	MIL-H-75362	U/W AN/ARC-27
MK-135()/DPN-23	Radio Beacon Test Facilities Kit	Provides facilities for servicing, testing, and field repair of Radio Beacon AN/DPN-23().		USA SCLE-4357		U/W AN/DPN-23()
MK-136/ARC-21	Radio Test Kit	Contains components for testing Radio Set AN/ARC-21.		USA USN 52-735		U/W AN/ARC-21
MK-138()/APG-47	Test Bench Cable Test	Confidential.		USA USN		
MK-139()/APS-59	Test Bench Cable Kit	Confidential.		USA USN		
MK-153()/GRC MK-153/GRC	Radio Test Facilities Kit	Facilitates bench tests of repaired equipment of the standarized series without necessitating removal of components from the racks.		USA SCLM-1083		U/W AN/GRC-3 thru 8 AN/PRC-8,9,10
MK-155/TCC	Telephone Carrier System Test Facilities Kit	Special purpose cables and assemblies with built-in networks for testing telephone audio and power circuits.	Ampco Mfg Co	USA SCLM-1088		U/W AN/TCC-7() AN/TCC-8() AN/TCC-11()
MK-252()/ARN	Radio Test Facilities Kit	Cancelled 19 March 1956.		SCLM-1302		
MK-258()/MPM-25 MK-258/MPM-25	Test Facilities Kit	Facilitates testing of radar components when removed from the set.	General Electric C7706279G2	USA SCLM-1164	MIL-R-11906A (SigC)	P/O AN/MPM-25()
MK-315/GSQ-T4	Electronic Circuit Trainer	Accommodates 2 students in the training of trouble-shooting electronic voltage regulator system.	Philco Corp 463-2530	USN	3132-284	P/O AN/GSQ-T4(V) U/W OA-1173/GSQ-T4
MK-316/GSQ-T4	Electronic Circuit Trainer	Similar to MK-315/GSQ-T4 but does not contain accessory kit.	Philco Corp 463-2673	USN		P/O AN/GSQ-T4(V) U/W MK-320/GSQ-T4 OA-1173/GSQ-T4
MK-318/GSQ-T4	Electronic Circuit Trainer	A kit of electronic components for use with OA-1173/GSQ-T4 to extend its use when training in FM circuits and systems.	Philco Corp 463-2534	USN 56-247	3132-284	P/O AN/GSQ-T4(V) U/W OA-1173/GSQ-T4
MK-319/GSQ-T4	Electronic Circuit Training Aid	An electronic components kit for use with OA-1172/GSQ-T4 when extensions of training to include operating radar and microwave systems is desired.	Philco Corp 463-2536	USN 56-248	3132-284	P/O AN/GSQ-T4(V) U/W OA-1172/GSQ-T4 MK-314/GSQ-T4
MK-320/GSQ-T4	Electronic Circuit Trainer	A kit of electronic components designed for use with OA-1173/GSQ-T4 to extend training to include radar and microwave systems.	Philco Corp 463-2540	USN		P/O AN/GSQ-T4(V) U/W OA-1173/GSQ-T4
MK-387/MPM-49	Test Facilities Kit	Facilitates repair and maintenance of Radar Set AN/MPQ-4A, supplies necessary cords.	Monmouth Electric Co	SESA-60-128		P/O AN/MPM-49()
MK-399()/MPQ-4A MK-399/MPQ-4A	Electronic Equipment Maintenance Kit	Supplies facilities for field bore sighting Antenna Group OA-1258/MPQ-4A.	General Electric 7094973G001	SIMSA-62-422		P/O MK-673/MPQ-4A U/W AN/MPQ-4A
MK-427/ARC	Electronic Equipment Maintenance Kit	Facilitates bench testing of specific units of Radio Set AN/ARC-60, supplies necessary cords.	Aircraft Radio Corp 22580	SIMSA-60-208		
MK-428()/AR	Electronic Equipment Maintenance Kit	Facilitates the testing and repair of Radio Receiver R-746/AR.	Bendix Aviation BTS-100	SESA-60-221		U/W R-746/AR
MK-457()/ARC-59(V) MK-457/ARC-59(V)	Electronic Equipment Maintenance Kit	Substitutes for the aircraft radio control panel when bench testing Radio Set AN/ARC-59(V).	Alpha Corp 506A0608-1	SIMSA-61-520		U/W AN/ARC-59(V)

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MK-460()/ASN-23 MK-460/ASN-23	Electronic Equipment Maintenance Kit	Provides facilities for bench testing and adjustment of Automatic Pilot AN/ASN-23 under simulated flight conditions.	Sikorsky Aircraft S1670-10085-5	SIMSA-61-2802		U/W AN/ASN-23
MK-464A/URC	Electronic Equipment Maintenance Kit	Supplies modules for replacement and repair of the AN/URC-32A.	Collins Radio 553-5858-00	N-62-Y-2746		P/O AN/URC-32A
MK-467()/MSQ	Electronic Equipment Maintenance Kit	Designed to facilitate testing and maintenance of system components.	Hughes Aircraft Co	SESA-60-161		U/W AN/MSQ-18
MK-469/SPS-T2A	Electronic Equipment Maintenance Kit	Permits operation of Radar Test AN/SPS-T2A with target draw and printed circuit assemblies removed.	Servonics Inc E30-087	N-59-b-1543	MIL-I-631C	U/W AN/SPS-T2A
MK-476()/ASM-21 MK-476/ASM-21	Electronic Equipment Maintenance Kit	Cancelled 25 January 1962.		N-62-W-106		P/O AN/ASM-21
MK-500/U	Electronic Equipment Maintenance Kit	Provides equipment necessary to measure the distance travelled by the slug rack on the R-761/ARC-58.	Collins Radio 545-3031-003	N-59-T-2856	MIL-T-945A	U/W AN/TRC-75
MK-504()/GSM MK-504/GSM	Test Adapter Kit	Contains items which are compatible with the test circuitry of Test Set Group OA-2131/GSM and Electrical Circuit Test TS-1185/GSM and provides a method of self checking trouble analysis.	Convair	WDD-59-2180		U/W OA-2131/GSM TS-1185/GSM
MK-505()/TRC-27	Electronic Equipment Maintenance Kit	Consists of receiver alignment adapter, crystal simulator, and modem adapter used in bench testing and maintenance of radio set.	Raytheon	SESA-60-104		U/W AN/TRC-27
MK-506()/MSM-34	Electronic Equipment Maintenance Kit	Contains tools and components to be used with TK-100()/G for maintenance on Operations Central AN/MSQ-28().		SESA-60-110		P/O AN/MSM-34() U/W AN/MPS-23
MK-506()/MSQ MK-506/MSQ	Electronic Equipment Maintenance Kit	Same description as MK-506()/MSM-34.		EMSA-62-449		U/W AN/MSQ-18() AN/MSQ-28()
MK-511/MPQ-4A	Electronic Equipment Maintenance Kit	Provides power source for energizing various components of Radar Set AN/MPQ-4A. Provides necessary equipment, tools, and gauges for fourth echelon maintenance.	General Electric 7081428P1	SESA-60-111		U/W AN/MPQ-4A
MK-511A/MPQ-4A	Electronic Equipment Maintenance Kit	Provides power source for various components of Radar Set AN/MPQ-4A. Provides tools, equipment, and gauges necessary for fourth echelon maintenance of radar.	Advancement Devices	SIMSA-62-2635		U/W AN/MPQ-4A FSC-5895
MK-536()/GR	Electronic Equipment Maintenance Kit	A group of cable assemblies and units with built-in networks, required for testing individual subassemblies at fourth and fifth echelons.	Collins Radio	SESA-60-156		U/W AN/TRC-68 AN/VRC-24
MK-537/USM-129	Microwave Calibration Test Set	For calibration of microwave attenuators from 300 to 40,000Mc.		ORDBA-0296		P/O AN/USM-129
MK-538/USM-129	Microwave Calibration Test Set	Cancelled 17 October 1960.		ORDBA-0301		
MK-541()/PPS-4	Electronic Equipment Maintenance Kit	Consists of cables, probes, dummy crystal, dummy mixer, and dummy load which permit various components of radar set to be tested when not assembled in operating position.	Sperry Gyroscope Co	SIMSA-62-298		U/W AN/PPS-4()
MK-570/ASN	Electronic Equipment Maintenance Kit	Provides facilities for operational check, repair and adjustment of Collins Type 1G1C-1 VOR instrumentation coupler.	Alpha Corp 506A-0135-101	SIMSA-62-1000		U/W AN/ASN-33
MK-573()/MLQ-8	Electronic Equipment Maintenance Kit	Consists of adapters, attenuators, dummy loads, and a waveguide probe needed for maintenance of AN/MLQ-8.		SIMSA-60-212		U/W AN/MLQ-8
MK-576()/MPN MK-576/MPN	Electronic Equipment Modification Kit	Provides for field installation modification of Radar Set AN/CPN-4() and Trailer Mounted Landing Control Set AN/MPN-11 for increased air traffic control capabilities.	Gilfillan Bros 95000	RONE-60-2		P/O AN/CPN-4() U/W AN/MPN-11
MK-578/APX	Electronic Equipment Maintenance Kit	Consists of cable assembly and test extensions used when maintaining video decoder.	Admiral Corp P-AD363	N-60-W-2310		U/W KY-364/APX
MK-579()/TPS-25	Electronic Equipment Maintenance Kit	Consists of 4 adapters, an attenuator, a dummy load, a holder, and a test jig used to facilitate repair and maintenance of Radar Set AN/TPS-25.		SIMSA-60-160		U/W AN/TPS-25
MK-598/UD	Radiac Maintenance Kit	Consists of replacement parts for AN/UDA-1: G-M tube, infrared lamp, pipette, mylar windows, gaskets, etc.		N-61-b-781		P/O AN/UDA-1
MK-600()/USM-129 MK-600/USM-129	Microwave Power Test Kit	Measures power 0.3 to 40.0Mc; 100 to 500mw. Attenuators of the kit extend the range to 15w (below 4kMc).		ORDBA-62-0312		P/O AN/USM-129()
MK-612()/FSM-16 MK-612/FSM-16	Test Adapter Kit	Adapter kit simplifies test set connection to OA-2213/ALD-3 and OA-2210/ALD-3.	Hoffman Electronics	AEL-61-205		P/O AN/FSM-16

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MK-632()/TPS-22 MK-632/TPS-22	Electronic Equipment Maintenance Kit	Provides facilities for minor maintenance and repair of radar set.	Westinghouse Electric 348C028G01	WL-61-R-2850	MIL-R-9671	P/O AN/TPS-22 AN/TPS-22A
MK-638()/ASM-62 MK-638/ASM-62	Pneumatic Pressure Test Set Adapter	Adapts Pneumatic Tester AN/PSM-15 to the F4H-IF, -1 CADC or pilot-static system for maintenance.	McDonnell Aircraft MDE 321365-1	N-61-W-1954	BuWeps SAR 398	P/O AN/ASM-62 U/W AN/PSM-15
MK-645/GSM-72	Test Facilities Kit	When used with AN/GSM-72, provides facilities for automatic fault locating on printed circuit cards, clock shaper, and D-A converter circuits of antiaircraft defense system.	Lavoie Labs K50170012	SIMSA-62-252		U/W AN/GSG-5, AN/GSG-6, AN/GSM-72
MK-648()/USM-136 MK-648/USM-136	Transistor Test Set Accessory Kit	Contains the programming cards, cable, probes, etc. for the Transistor Test Set, TV-14()/U.		ORDBA-0315		P/O AN/USM-136()
MK-650/ARM-26	Electronic Equipment Modification Kit	Renders the Radio Test Set AN/ARM-26 capable of testing Radio Set AN/ARC-38A.	Radio Corp of Amer 8985127-501	N-61-W-2698		P/O AN/ARM-26
MK-652()/APS-94	Electronic Equipment Maintenance Kit	Used for interconnecting components of Radar Surveillance Set AN/APS-94 for bench testing.	Motorola Inc 201-29095	SIMSA-62-106		U/W AN/APS-94
MK-653()/ASM-81 MK-653/ASM-81	Electronic Equipment Maintenance Kit	Provides necessary equipment for maintaining the Radio Receiver-Transmitter RT-546/ASQ-19.	Collins Radio 522-2803-00	N-62-W-166	MIL-H-15362	P/O AN/ASM-81
MK-654()/ASM-86 MK-654/ASM-86	Electronic Equipment Maintenance Kit	Provides necessary equipment for maintaining the Coder KY-311/ASQ-19.	Collins Radio 522-2865-00	N-62-W-195	MIL-H-15362	P/O AN/ASM-86
MK-656()/DSQ-T1 MK-656/DSQ-T1	Guided Missile Trainer-Test Group Installation Kit	Contains items for installation of major components of the guided missile trainer-test group on the guided missile main assemblage.	Boeing Airplane Co 25-31677	WDD-62-3864		P/O AN/DSQ-T1
MK-657()/DSQ-T1 MK-657/DSQ-T1	Guided Missile Trainer-Test Group Installation Kit	Consists of items necessary for installation of major components of the guided missile trainer on the guided missile main assemblage.	Boeing Airplane Co 25-29241	WDD-62-3865		P/O AN/DSQ-T1
MK-658()/GSG MK-658/GSG	Test Facilities Kit	Provides interconnecting cables, test leads, and access to printed circuit boards during maintenance of anti-aircraft defense system.	Martin Co	SIMSA-61-592		U/W AN/GSG-5(V) AN/GSG-6
MK-661()/ARM-11C MK-661/ARM-11C	Electronic Equipment Modification Kit	Adapts Radio Test Set TS-1017/ARM-11B for use with Receiver-Transmitter RT-463A/ARC-34B.	Magnavox Co 713220-801	AEL-62-166		
MK-662()/UP	Electronic Equipment Maintenance Kit	Contains all items necessary to service and maintain Recorder-Processor-Viewer RO-166/UP.	Motorola Inc 267-40740	SIMSA-62-133		U/W RO-166/UP
MK-664()/UA MK-664/UA	Electronic Equipment Maintenance Kit	Contains items required for maintenance and focusing optics of recorder subassembly which is part of AN/AAS-14 and AN/TAQ-1.	HRB-Singer Inc 61091	SIMSA-62-2769		U/W MX-3523/UA
MK-665()/AAS-14	Electronic Equipment Maintenance Kit	A group of items needed for maintenance of preamplifier.	HRB-Singer Inc 67810	SIMSA-62-207		U/W MX-3518/AAS-14 MX-3521/AAS-14
MK-666()/AAS-14 MK-666/AAS-14	Electronic Equipment Maintenance Kit	Checks the video and synchronization, and determines the correct operation of infrared detecting set.	HRB-Singer Inc 60975	SIMSA-62-2713		U/W AN/AAS-14
MK-667()/AQM-9 MK-667/AQM-9	Electronic Equipment Maintenance Kit	Contains circuit boards to extend modules beyond chassis for accessibility, and an alignment pattern for the CRT in the sonar set indicator.	Bendix Corp 3134071	N-62-W-755		P/O AN/AQM-9
MK-669()/FPS-61 MK-669/FPS-61	Electronic Equipment Modification Kit	Modifies Radar Sets AN/FPS-56 to AN/FPS-61 to provide improved aircraft detection and ranging ability.	Raytheon AP103A	EMSA-62-3171		P/O AN/FPS-61
MK-671()/GSW MK-671/GSW	Programmer Squib Circuit Test Kit	Consists of 5 squib simulators with cables and connectors which permit flight programmer operated squib circuit testing with mobile APCHE.	General Dynamics/Astro 27-44343-1	WDD-62-2034		U/W SA-696/GSW
MK-673()/MPQ-4A MK-673/MPQ-4A	Electronic Equipment Maintenance Kit	Facilitates testing and maintenance of Radio Set AN/MPQ-4A.	General Electric 70949706G001	SIMSA-62-423		U/W AN/MPQ-4A
MK-674()/PPS-4	Electronic Equipment Maintenance Kit	Consists of cable assemblies, test leads, plug, etc. for connection of radar set to major items of test equipment at third echelon.		SIMSA-62-314		U/W AN/PPS-4()
MK-683()/GRC MK-683/GRC	Electronic Equipment Maintenance Kit	Consists of Test Set Subassembly MX-3333/ARC, signal generator, test leads, cables, etc. needed for bench testing components of radio set.	Aircraft Radio Corp FES-1257	SIMSA-62-2762		U/W AN/GRC-118, 118A, 119, 119A
MK-685()/GSM-82(V) MK-685/GSM-82(V)	Voice Reporting Test Set Adapter Kit	Consists of 7 adapters which bring out the pins of the printed circuit connectors on the test set for testing.	Boeing Airplane Co 29-27172-1	WDD-62-11790		P/O AN/GSM-82(V) U/W TS-1724/GSW-4

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MK-686()/FRT-51 MK-686/FRT-51	Electronic Equipment Maintenance Kit	Provides necessary tools and accessories for maintenance and repair of OA-2180/FRT-51.	Collins Radio 544 2180 00	PICO-62-368		P/O OA-2180/FRT-51
MK-687()/GSM-82 MK-687/GSM-82	Receiver-Transmitter Alarm Set Test Set	Consists of cable assemblies, case, crystal detector, 5 cable adaptors, 4 attenuators, and a coaxial termination used to test RT-637/GSQ-54.	Boeing Airplane Co 25-35838-1	WDD 62-4735		P/O AN/GSM-82 U/W TS-1826/GSM-82
MK-689()/GSM-72	Test Facilities Kit	A means of connecting printed boards of coordinate data sets to test set. Includes test programmed tapes and test programmed data sheets.	Lavoie Labs	SIMSA-62-408		U/W AN/GSM-72
MK-692/ALR-8A	Electronic Equipment Modification Kit	Modifies Electronic Countermeasures Set AN/ALR-8 for FM reception and 5Mc BW display. When installed becomes P/O AN/ALR-8A.	Airtronics Inc APR9/1962-2	N-62-T-2096		P/O AN/ALR-8A
MK-694()/DSQ-T2 MK-694/DSQ-T2	Guided Missile Trainer-Test Group Installation Kit	Consists of items needed to install major components of guided missile trainer test group on the Guided Missile Main Assemblage A/A37U-16.	Boeing Airplane Co	WDD-62-11636		P/O AN/DSQ-T2
MK-695()/FGC-70 MK-695/FGC-70	Teletypewriter Distributor Transmitter Installation Kit	Adds 6 more TRMTD's in tandem, to existing equipment to increase tape handling capabilities.	Kleinschmidt Labs 90415A-54.00	USA EMSA-62-3112		
MK-696()/GSA-41 MK-696/GSA-41	Electronic Equipment Modification Kit	Contains components needed to convert Fire Unit Integration Facility AN/GSA-41 from AM to frequency shift modulation.	Western Electric Co SC-DL-368900	EMSA-62-3117		U/W AN/GSA-41
MK-697()/GSA-41A MK-697/GSA-41A	Electronic Equipment Modification Kit	Contains components needed to convert Fire Unit Integration Facility AN/GSA-41A from AM to frequency shift modulation.	Western Electric Co SC-DS-368906	EMSA-62-3118		U/W AN/GSA-41A
MK-698/UG	Electronic Equipment Modification Kit	This kit when made part of a teletypewriter provides operation at 45.5, 50, or 75 Baud using 7.00 unit code synchronous pulsed transmission.	Teletype Corp 28 KSR	N-62-Y-2313		U/W TT-47()/UG, TT-48()/UG, TT-59()/UG, TT-70()/UG, TT-129()/UG, TT-130()/UG
MK-699/UG	Electronic Equipment Modification Kit	This kit when made part of a teletypewriter provides operation at 45.5, 50, or 75 Baud using 7.00 unit code and synchronous pulsed transmission.	Teletype Corp 28KSR	N-62-Y-2314		U/W TT-176/UG TT-176A/UG
MK-700/ARR-52(V)	Electronic Equipment Maintenance Kit	Facilitates testing of the modules contained in the AN/ARR-52 Radio Receiver.	General Dynamics/Elec 666219-007	NW-62-453		P/O AN/ARR-52(V)
MK-702()/APN-129(V) MK-702/APN-129(V)	Test Facilities Kit	Interconnects components of Radar Navigation Set AN/APN-129(V) for shop tests.	Ryan Electronics 500747-G1	EMSA-62-481		U/W AN/APN-129()(V)
MK-705/G	Obstruction Lights Control Accessory Kit	Electronically actuated switching equipment to provide lighting control of Ground Obstruction Marker Light Set MK-221U/G.	Hughey & Phillips LC-2134-1	EMSA-62-3241		U/W MK-221()/G
MK-706/PRC-41	Radio Set Accessory Kit	Contains equipment for fixed station or vehicular installation of Radio Set AN/PRC-41.	Collins Radio	N-62-T-2589	SHIPS-R-4083	U/W AN/PRC-41
MK-707/UNH-9	Module Kit	Module kit containing spare parts for Signal Data Recorder-Reproducer Set AN/UNH-9.	Sanders Associates	NW-62-706	MIL-R-22874A	P/O AN/UNH-9
MK-709()/GSA-37	Electronic Equipment Maintenance Kit	A supplementary kit for testing upkeep and maintenance of missile integration terminal equipment.	Hughes Aircraft Co X-1503052-2	EMSA-63-68		U/W AN/GSA-37()
MK-710()/TMQ	Hydrogen Generator Modification Kit	Used with calcium hydride charges to generate hydrogen for inflation of meteorological balloons.		EMSA-62-3345		P/O AN/TMQ-4
MK-713/GRD-6	Electronic Equipment Modification Kit	Modifies high and low band goniometers of certain direction finder groups to provide a stable bearing tone output for us in AN/FRA-54(V) and AN/FRA-44(XN-1) equipments.	Radio Corp of Amer 8327686	N-63-X-75		U/W AN/GRD-6
MK-714/SSM-4	Module Test Programming Card Kit	IBM card deck used to control the test set which performs the required electrical interconnections between power supply, signal sources, leads, modules under test, and external test equipment.		N-63-X-80		P/O AN/SSM-4
MK-715()/GRC-50(V)	Test Facilities Kit	Facilitates testing of amplifier convertor and amplifier oscillator by means of adapters which enable interconnection between each unit and its associated main frame.	Radio Corp of Amer 8644253	EMSA-63-27		U/W AN/GRC-50(V) 1,2,3,4,5
MK-716/DSQ-T3	Guided Missile Trainer-Test Group Installation Kit	Contains brackets, fasteners and related items for installation of some components of guided missile trainer-test group on the Guided Missile Main Assemblies A/A37U-16.	Boeing Airplane Co	WDD-62-11923		P/O AN/DSQ-T3
MK-717()/FPS-7E MK-717/FPS-7E	Electronic Equipment Modification Kit	Provides equipment necessary to make AN/FPS-7 compatible with the 412L system.	General Electric 77C703265G1	WL-62-5733		P/O AN/FPS-7E
MK-719()/AKT-16 MK-719/AKT-16	Objective Lens Alignment Kit	Used to focus the objective lens in each of the tracker assemblies, Motorola number 201-41762 and 201-41763 of the CV-917/AKT-16 Video Encoder.	Motorola Inc 01-27866A01	EMSA-63-44		U/W CV-917/AKT-16

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MK-720/FRD-10(V)	Electronic Equipment Modification Kit	Provides items to modify high and low band goniometers of certain AN/FRD-10(V) direction finder groups to provide a stable bearing tone output for use in AN/FRA-44() and AN/FRA-54(V).	Radio Corp of Amer 8328743	N-63-X-282		U/W AN/FRD-10(V)
MK-722()/ARC-102	Electronic Equipment Maintenance Kit	Portable maintenance kit to check, repair, adjust and maintain AN/ARC-102 Radio Set.	Collins Radio CPN 522-3401-00	EMSA-63-66		U/W AN/ARC-102()
MK-723()/FSG-1 MK-723/FSG-1	Electronic Equipment Modification Kit	Used to convert Gap Filler Evaluation Pallet, part Number SM-E298300 from AM to frequency shift modulation.	Western Electric Co 64959	EMSA-63-2141		U/W AN/FSG-1
MK-724()/FSG-1 MK-724/FSG-1	Electronic Equipment Modification Kit	Converts Coordinate Data Transmitting Group OA-1415/FSG-1 from AM to frequency shift modulation.	Western Electric Co	EMSA-63-2125		U/W AN/FSG-1(V)
MK-725()/FSG-1 MK-725/FSG-1	Electronic Equipment Modification Kit	Converts Coordinate Data Transmitting Group OA-1414/FSG-1 from AM to frequency shift modulation.	Western Electric Co	EMSA-63-2128		U/W AN/FSG-1(V)
MK-726()/FSG-1 MK-726/FSG-1	Electronic Equipment Modification Kit	Converts Gap filler data processing pallet from AM to frequency shift modulation.	Western Electric Co	EMSA-63-2144		U/W AN/FSG-1
MK-727()/FSG-1 MK-727/FSG-1	Electronic Equipment Modification Kit	Converts Coordinate Data Receiver Group OA-1405/FSG-1 from AM to FSM.	Western Electric Co	EMSA-63-2135		U/W AN/FSG-1(V)
MK-728()/FSG-1 MK-728/FSG-1	Electronic Equipment Modification Kit	Converts Coordinate Data Receiving Group OA-1417/FSG-1 from AM to FSM.	Western Electric Co	EMSA-63-2138		U/W AN/FSG-1(V)
MK-729()/FSG-1 MK-729/FSG-1	Electronic Equipment Modification Kit	Converts Battery Data Link Master Synchronizer Group OA-1409/FSG-1, Battery Data Link Line Amplifier Group OA-1412/FSG-1 and Broadcast Line Amplifier Group OA-1413/FSG-1 from AM to FSM.	Western Electric Co	EMSA-63-2150		U/W AN/FSG-1(V)
MK-730()/GSQ	Electronic Equipment Maintenance Kit	Supplementary kit required for testing, upkeep and maintenance of Radar Tracking Station OA-2952()/GSQ.	Hughes Aircraft Co X-1503052-1	EMSA-63-67		U/W OA-2952()/GSQ
MK-731()/ARC-51X	Electronic Equipment Maintenance Kit	Used specifically for bench testing, alignment and rapid checking of aircraft wiring and associated accessories of Radio Set AN/ARC-51X on aircraft.	Collins Radio 522-3276-00	EMSA-62-483		U/W AN/ARC-51X
MK-732()/APQ-86 MK-732/APQ-86	Magazine-Processor-Viewer Maintenance Kit	Enables operator to load the film magazine and the developer tank and perform preflight and post flight preventive maintenance.	Texas Instrument Inc 447849-1	EMSA-63-2227		U/W MA-5/APQ-86
MK-733()/AR	Electronic Equipment Maintenance Kit	Used for bench testing Radio Sets AN/ARC-54 and AN/ARR-49, and for testing their associated equipment inside the aircraft.	Collins Radio Co 522-6247-00	EMSA-63-38		U/W AN/ARC-54 AN/ARR-49
MK-4930()/AR	Test Adapter	Permits modules to be operated while extended from the chassis for trouble-shooting and alignment.	Collins Radio 566-9508-00	EMSA-63-162		P/O MK-733()/AR

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-9/CPN-2	Signal Generator	Cancelled 7 March 1944.		ARL-2312		
MX-10/APS-3	Dummy Indicator	Simulates characteristics of Repeater Indicator ID-19/APS-3. Used in place of either indicator. Load completes the circuits of the two indicators.		USN RE-9075-A		P/O AN/APS-3
MX-10M/APS-3	Dummy Indicator	Similar to Dummy Indicator MX-10/APS-3 except modified to connect with Radio Frequency Cable RG-65/U.		USN		P/O AN/APS-3AM
MX-50/AP	Probe Assembly	3.9MΩ//12μμf input Z. Accessory for Oscilloscope TS-34A/AP.	Western Electric Cb X-63622 Trad Television Corp 135-D-65	USN		
MX-105/MRQ-2	Resistance Box	Provides 500Ω non-inductive termination for vertical half rombic antenna. Max Power: 250w.				P/O AS-51/MRQ-2
MX-109/U	Test Lamp Kit	Neon Lamps: ten 0.008N, six 0.25w, four 3w, all 105 to 125v. For checking presence of RF voltage.	General Electric 2Z5731-109			
MX-113/FSM-1	Test Block Oven	Heats crystal unit to testing temperature. Requires 110v, ac or dc.		SCL	271-3061	P/O AN/FSM-1()
MX-116/FSM-1	Test Block Oven	Heats crystal unit to testing temperature. Requires 110v, ac or dc. U/W Test Block MX-122/FSM-1 and MX-124/FSM-1.		SCL	271-3061	P/O AN/FSM-1()
MX-121/FSM-1	Test Block	Determines temperature during test of Signal Corp Crystal Unit DC-34 or units with the same base.		SCSNA	71-3061	P/O AN/FSM-3()
MX-122/FSM-1	Test Block	Establishes temperature during test of crystal units with Signal Corp Holder FT-241.		SCSNA		P/O AN/FSM-3()
MX-124/FSM-1	Test Block	Establishes temperature during test of crystal units with Signal Corp Crystal Holder FT-243.		SCSNA	71-3061	P/O AN/FSM-3()
MX-126/FSM-1	Test Block	Establishes temperature during test of Crystal Unit FT-171-B, or units with the same base.		SCL		P/O AN/FSM-1()
MX-127/FSM-1	Test Block	Establishes temperature during test of Signal Corp Crystal Unit DC-8, DC-9 or units with the same base.		SCSNA		P/O AN/FSM-3()
MX-143/AI	Test Rod	Completes circuit when using Test Set TS-161/AI to check for open circuits.		ARL		P/O TS-161/AI
MX-150/FSM-1	Test Block	Provides a socket for receiving Crystal Unit FT-243 and a dummy crystal holder enclosing a thermo-couple. U/W Test Oscillator CES-1.		SCL		P/O AN/FSM-1
MX-151/FSM-1	Crystal Test Holder	Determines approximate frequency of crystal plate during crystal lapping process.		SCL		P/O AN/FSM-1
MX-169()/GPS-T1 MX-169/GPS-T1	Simulator Unit	Obtains PPI data from Coupling Transmission Unit CU-41()/GPS-T1 and transmits electrical impulses to Radio Set SCR-527 or SCR-588 for visual presentation. Also provides IFF simulation.		USN		P/O AN/GPS-T1()
MX-242()/APQ-5-T1 MX-242/APQ-5-T1	Echo Simulator	Produces synthetic radar signals for Radio Set SCR-717-B. Includes pulse generator, modulator (60Mc, the IF of the radar), power supply (+250 and -150v), sweep generator and other panels.	International Proj Co RL-2101	ARL-3813		P/O AN/APQ-5-T1
MX-242A/APQ-5-T1	Echo Simulator	Consists of MX-242/APQ-5-T1 with new pulse generator and improved range gate and pulse trigger circuits.	International Proj Co RL-2070	ARL		P/O AN/APQ-5-T1
MX-243()/APQ-5-T1A MX-243/APA-5-T1A	Echo Simulator	Produces synthetic radar signals in Radar Set AN/APS-2 and Indicator Equipment AN/APQ-5(). Consists of pulse generator, modulator (30Mc), power supply (+250 and -150v), sweep generator and other panels.		USN		P/O AN/APQ-5-T1A
MX-243A/APQ-5-T1A	Echo Simulator	Consists of MX-243/APQ-5-T1A with new pulse generator and improved range gate and pulse trigger circuits.	International Proj Co	ARL		P/O AN/APQ-5-T1B
MX-261()/GPS-T1A MX-261/GPS-T1A	Aircraft Simulator	Standard link recorder, or equal, modified to operate at 1.2"/minute, 100 cycles. Speed of recorder is proportional to input frequency from Oscillator O-24()/GPS-T1A.	J H Kenney & Co	USN		P/O AN/GPS-T1A
MX-264()/GPS-T1A MX-264/GPS-T1A	Simulator Unit	Obtains PPI data from Coupling Unit CU-58()/GPS-T1A and range and bearing data from Bearing Range Assembly MX-263()/GPS-T1A for visual presentation on Radio Set SCR-527().	J H Kenney & Co	USN		P/O AN/GPS-T1A
MX-270/AR	Antenna Strain Insulator	Replaces Insulator MX-189/ARA-4 on fixed wire antennas. Corona resistant.		ATSC		
MX-271/AR	Antenna Strain Insulator	Terminates fixed wire antenna and provides L-splice for antenna lead in. Replaces Insulator MX-189/ARA-4. Corona resistant.		ARL		
MX-272/AR	Antenna Strain Insulator	Terminates fixed wire antenna and provides L-splice for antenna lead in. Replaces Insulator IN-88. Corona resistant.		ARL		
MX-273/AR	Antenna Strain Insulator	Replaces IN-88 on fixed wire antennas. Corona resistant.	Magnavox Co	ATSC		
MX-274/AR	Antenna Tension Unit	Takes up slack in fixed wire antennas and allows for small relative displacement between parts of aircraft to which antennas are attached. Corona resistant.	General Ceramic Steatite Corp	45-R272		
MX-275/AR	Antenna Tension Unit	Takes up slack in fixed wire antennas and allows for small relative displacement between parts of aircraft to which antennas are attached. Corona resistant.	General Ceramics Steatite Corp	ARL-45-R273		
MX-337/UR	Impedance Matching Kit	Permits matched coupling between Headset-Microphone Assembly AN/URA-1() and the radio set used.		SCL		U/W SCR-508 SCR-528

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MX-359()/TND-2	Transducer	Detects sound impulses and generates signals which are supplied to Indicator ID-127()/TND-2. Contains two directional and one non-directional microphone in single assembly.		CESL		P/O AN/TND-2()
MX-370/APQ-7	Dummy Indicator	Cancelled 22 September 1948.		USAF ARL-48-C524		
MX-376/FSM-1	Adapter	Adapts test block MX-121/FSM-1, MX-122/FSM-1, etc to standard Crystal Test Set AN/TSM-1.		SCL		P/O AN/FSM-1() U/W AN/TSM-1
MX-385/FSM-1	Test Block	Establishes temperature during test of crystal in Crystal Holder FT-249 or units with the same base.		SCL		P/O AN/FSM-1()
MX-386/FSM-1	Test Block	Establishes temperature during test of crystal in Crystal Holder FT-164 or units with the same base.		SCL		P/O AN/FSM-1()
MX-386A/FSM-1	Test Block	One way interchangeable with MX-386/FSM-1; switch and series capacitor added.		SCL-9363		P/O AN/FSM-1()
MX-392/APS-22	Dummy Indicator	Provides electrical lead to simulate Indicator ID-136()/APS-22 when only one indicator is used in an installation.	Western Electric Co	ATSC		P/O AN/ PS-22()
MX-410A/AP	Absorber	A plastic material used to absorb incident RF energy. Effectively a quarter wave plate in region in which used. Electric vector is in plane of incidence. 9320 to 9430Mc; angle of incidence: 45 to 50 degrees.		USN	M-710 M-711 (NavAer)	
MX-434()/CPS MX-434/CPS	Azimuth Mark Generator Kit	Displays electronic range marks in 10 degree steps on plan position indicator.	Lavoie Labs 1371100	WL-45-2064	WLENG 2053	U/W AN/CPS-5
MX-456D()/GSM-82 MX-456D/GSM-82	Connector Adapter	Provides interconnection between Power Supply and Test Set Power Supply TS-1862/GSM (PP-3378/GSM-61)	Boeing Aero Space	WDD-62-4778		P/O AN/GSM-82 U/W TS-1862/GSM-82
MX-479/ARN-6	Adapter Kit	Adapts I-100-() to AN/ARN-6() for test purposes.	Modulation Products	AEL-51-R135	MIL-A-5731	U/W I-100-()
MX-538()/AP MX-538/AP	Dummy Load	410 to 420Mc, 250mw, Z: 52Ω. For testing TS-204/AP.		ARL-45-79		U/W TS-204/AP
MX-554()/U	Dummy Load	Used to terminate open video lines. Consists of a plug containing a 0.5 watt 100Ω grounded resistor.		USN		U/W UG-185/U UG-290/U
MX-554A/U	Electrical Dummy Load	dc to 250Mc, 0.5w avg, 100w peak. Z: 100Ω. Terminates open video lines. Interchangeable with MX-554/U.	Industrial Products 39575	SESA-59-2597		U/W UG-185/U UG-290/U
MX-569()/TIQ	Recorder-Reproducer Head	50cps to 10kc. Used to magnetize wire as signals from AM-133()/TIQ in record position. Can reproduce these signals also.		SCL-5706		P/O AN/TIQ-4() AN/TIQ-5() U/W AM-133()/TIQ
MX-580/AP	Power Absorber	Replaces TMX-4DE. Absorbs X band electromagnetic radiation from the antenna when tuning a radar transmitter. Used w/or w/o pickup antenna or horn antenna may connect antenna to echo box, spectrum analyzer, etc.	Dupont Melstrom Mfg Corp	USN	EP-370	
MX-588/UPN	Test Accessory Kit	Has waveguide connectors for use in testing AN/UPN-3 and AN/UPN-4.		AAF ARL-45-208		U/W AN/UPN-3,4 TS-120/UP TS-239/UP
MX-597/AP	Oscilloscope Adapter	Modifies TS-100/AP. Gives alignment of 2000 yard calibration dial. Contains 81.94kc crystal.		ESL-3131		U/W TS-100/AP
MX-604/UP	Video Probe	Connects TS-491/UPM-4 to circuit being tested.	Hazeltine Electronics A-11846	USN		P/O AN/UPM-4()
MX-604A/UP	Video Probe	500v max. Used in waveform measurement.	Gen Communications P-250-C-6050 Admiral Corp 597C24	USA USN	MIL-R-1550 (SHIPS)	P/O AN/UPM-4A
MX-604B/UP	Video Probe	1kv max. Used in signal tracing and oscilloscope connections.	Hazeltine Electronics A-9725	USN	MIL-P-15550 (SHIPS)	P/O AN/UPM-4B
MX-605/UP	Video Probe	Couples TS-491/UPM-4() and circuit. Attenuation 10:1.	Hazeltine Electronics A11847	USN		
MX-605A/UP	Video Probe	1kv max. Input: 30mmf. For waveform measurement.	Gen Communications 250-B-6000 Admiral Corp 597D25	USA USN	MIL-R-1550 (SHIPS)	P/O AN/UPM-4A
MX-605B/UP	Video Probe	1kv max. 0.7a max. 5Mc or greater for signal tracing and oscilloscope connection.	Hazeltine Electronics A-9724	USN	MIL-P-1550 (SHIPS)	P/O AN/UPM-4B
MX-606/UP	Video Probe	Couples TS-491/UPM-4 to circuit. Attenuation 250:1.	Hazeltine Electronics A-11848	USN		P/O AN/UPM-4()
MX-607/AP	Probe Assembly	Cord with built-in resistor. Used as probe for TS-34A/AP. Similar to probe assembly MX-474/AP.	Western Electric Co BO-460494 BO-460387	USN		P/O TS-34A/AP
MX-610/APM-58	Mounting Kit	Cancelled 14 August 1945.		ARL-45-C466		
MX-621/GNQ-11	Record	12" vinyl. Used in operator training and testing. Side one stepped tones. Side two random noise. 78 RPM.		SCL-4160A	271-3245	P/O AN/GNQ-11()
MX-622/GNQ-11	Record	12" vinyl 78RPM. Used in operator testing and training. Side one random keying sounds. Side two spark sounds.		SCL-4161A	271-3245	P/O AN/GNQ-11()
MX-623/GNQ-11	Record	12" vinyl 78RPM. Used in operator training and testing. Side one sweep thru sounds. Side two howl sounds.		SCL-4162A	271-3245	P/O AN/GNQ-11()
MX-624/GNQ-11	Record	12" vinyl 78RPM. Used in operator training and testing. Side one CW signals masked with medium level stepped tones. Side two CW signal masked with high level stepped tones.		SCL-4163A		P/O AN/GNQ-11()
MX-625/GNQ-11	Record	Same description as MX-624/GNQ-11.		SCL-4164A	271-3245	P/O AN/GNQ-11()

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MX-626/GNQ-11	Record	12" vinyl 78RPM. Used in operator training and testing. Side one CW messages masked with low level stepped tones. Side two CW messages masked with low level static.		SCL-4165A	271-3245	P/O AN/GNQ-11()
MX-627/GNQ-11	Record	12" vinyl 78RPM. Used in operator training and testing. Contains instructions in anti-jamming techniques.		SCL-4166A	271-3245	P/O AN/GNQ-11()
MX-628/GNQ-11	Record	12" vinyl 78RPM. Used in operator training and testing. Contains auditory test masked with random noise, parts one and two.		SCL-4167A	271-3245	P/O AN/GNQ-11()
MX-629/GNQ-11	Record	12" vinyl 78RPM. Used in operator training and testing. Contains auditory test masked with random noise parts one and two.		SCL-4168A		
MX-630/GNQ-11	Record	Same description as MX-629/GNQ-11.		SCL-4169A	271-3245	
MX-631/GNQ-11	Record	Same description as MX-629/GNQ-11. Contains auditory test masked with stepped tones parts three and four.		SCL-5844	271-3245	P/O AN/GNQ-11()
MX-633()/U	Record Set	Consists of four double sided 12" records. Contains various sounds like babel of voices, saw etcetera.		SPSRD-2		P/O AN/MRA-1()
MX-644/MPN-1	Recorder-Reproducer Kit	Modifies ID-38()/MPN-1 to permit recording operators voice in synchronization with azimuth and elevation information.		WL-45-496	X-7463	P/O AN/MPN-1,1C
MX-660/U	Test Probe	Insulated conduit with plastic handle. dc voltage measurement with TS-375()/U.	Weston Electrical Inst W-27-00-164	USN	CS-79A	P/O TS-375()/U
MX-661/U	Test Probe	Wire cable with plastic handle picks up ac voltage for measurement by TS-35()/U.	Weston Electrical Inst W-27-00-151	USN	CS-79A	P/O TS-375()/U
MX-702()/APN-129 (V) MX-702/APN-129 (V)	Test Facilities Kit	Interconnects the components of Radar Navigation Set AN/APN-129(V) for shop tests.	Ryan Electronics 500747-G1	EMSA-62-481		U/W AN/APN-129()(V)
MX-786()/U MX-786/U	Time Recorder	Prints year, month, date, hour, minutes and tenths of minutes on tape. Remote control.	Stromberg Time Corp T12RF	USA SCLM-6424		
MX-787()/U	Calibrating Resistor	Cancelled 23 July 1948.		USAF ARL-48-C346		
MX-788()/U	Calibrating Resistor	Cancelled 23 July 1948.		USAF ARL-48-C347		
MX-789()/U	Calibrating Resistor	Cancelled 23 July 1948.		USAF ARL-48-C348		
MX-796/UPM-6	Radio Frequency Probe	10:1 attenuator probe to couple AN/UPM-6() to a high voltage circuit under test.	Hazeltine Electronics A-12918	USN	CS-460	P/O AN/UPM-6()
MX-796A/UPM-6	Radio Frequency Probe	Same description as MX-796/UPM-6.	Hazeltine Electronics A-83500	USN	SHIPS-R-127	P/O AN/UPM-6A
MX-821/U	Probe	Used with noise-field intensity meter.	Stoddart Aircraft	USN	CS-82	P/O TS-587/U
MX-822/U	Probe	Used to locate exact source of noise.	Stoddart Aircraft	USN	CS-82	P/O TS-587/U
MX-831()/U MX-831/U	Test Probe	Cancelled 24 June 1949.		WL-45-C2014		
MX-838()/URM-3 MX-838/URM-3	Probe	0.15 to 42Mc. Used to determine existence and extent of magnetic field around shielded conductors when testing vehicles and engine generator units for radio noise interference.	Dynamic Electronics 10320	USA SCLC-8906	MIL-T-10645A	P/O AN/URM-3()
MX-839()/URM-3 MX-839/URM-3	Probe	Same description as MX-838/URM-3.	Dynamic Electronics 10275	USA SCLC-8905		P/O AN/URM-3()
MX-842()/GT MX-842/GT	Maintenance Kit	For maintaining telephone communication circuits.	Cook Electric	SCL-11705	MIL-C-10669	
MX-870()/U	Transducer Kit	Head and chest set group. Has headband, receivers, receiver type boom, microphone units and handle.		SIGGG-S		
MX-915/U	Adapter Test Set	Used to help measure flux of a magnetron magnet whose pole gap is 1.77 in and pole diameter is 1.5". U/W probe of fluxmeter TS-156/AP.	Industrial Devices Inc	USA WL-53-R-1881		U/W TS-15B/AP
MX-916()/U	Calibrating Resistor	Provides means for calibrating test set. 50Ω ±10%. Useful frequency range 25 to 50Mc.		USAF ARL-48-422		P/O TS-546()/U
MX-917()/U	Calibrating Resistor	75Ω ±10% Useful frequency range 15 to 25Mc.		USAF ARL-48-423		
MX-925()/U MX-925/U	RF Probe	Range: 2.7 to 2.9kMc. Applies the modulation of the signal to oscilloscope for IF strip alignment.	General Electric PL 7403540G1	WL-58-R-1806	MIL-R-26838A USAF	P/O AN/CPS-6B AN/FPS-6A AN/FPS-6B
MX-929()/U MX-929/U	Waveguide Probe	Range: 2600 to 3950Mc; Z: 50Ω. U/W slotted lines such as IM-23/U.	Polytechnic Res & Dev 669 F-R Machine Works	WL-60-R-3232	MIL-R-4732B USAF	
MX-933/U	Test Prod	For AF signals; 400vdc max.	Radio Frequency Labs H-2580	USN	CS-838	P/O AN/USM-3
MX-934/U	Test Prod	For RF signals; 400vdc max.	Radio Frequency Labs H-2560	USN	CS-838	P/O AN/USM-3

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MX-936()/URM	RF Probe	Range: 300kc to 400Mc. Investigates magnetic field around shielded conductors in connection with UHF radio noise interference tests.	White Tuning Corp	USA USN		P/O AN/URM-
MX-951()/URM-6 MX-951/URM-6	RF Probe	Connects Radio Test Set AN/URM-6 to power line for noise measurement. 2.5kv max dc working voltage.	Stoddart Aircraft 90093-1	USN	CS-779 CS-1189	P/O AN/URM-6
MX-963()/U MX-963/U	RF Probe	300 to 900Mc. U/W slotted lines. Superseded by RF Probe MX-1020/U&().		WL-45-C2015		
MX-964()/U	RF Probe	Range: 100 to 300Mc; tunable. U/W slotted lines.	General Electric	WL-45-1622		U/W IM-26()/U IM-27()/U
MX-965()/U	Standard Inductance	0.1mh, 0.180Ω, Q=210 at 300kc, temperature coefficient 0.004%/degree C. Used for AF measurements.		SCL-6982	71-3375	
MX-966()/U	Standard Inductance	1mh, 1.80Ω, Q=190 at 150kc, temperature coefficient 0.004%/degree C. Used for AF measurements.	General Radio Co 106-G	SCL-6981	71-3375	
MX-967()/U	Standard Inductance	10.0mh, 12.20Ω, Q=170 at 60kc, temperature coefficient 0.004%/degree C. Used for AF measurements.	General Radio Co 106-J	SCL-6983	71-3375	
MX-968()/U	Standard Inductance	100mh, 85.3Ω, Q=80 at 20kc; temperature coefficient 0.004%/degree C. Used for AF measurements.	General Radio Co 106-K	SCL-6980	71-3375	
MX-980()/PRM-1 MX-980/PRM-1	RF Probe	Connects RF input of Radio Test Set AN/PRM-1 to power line for noise measurement; 2500vdc max.	Stoddart Aircraft 90093-2	USN	CS-804	P/O AN/PRM-1
MX-986()/FRC MX-986/FRC	Receiver Monitor	455kc input, AF output: includes meters to indicate diode current and adjust 3 Radio Receivers R-320()/FRC, switches for output of Keyer KY-50()/FRC and switch for 455kc on the BFO.	Radio Corp of Amer 626599-1	SCL-7070		P/O OA-588A/FRC
MX-1004()/TRM-1	Voltmeter Sub-Assembly	Measures audio output of various aircraft radio receivers in four ranges (0 to 1.3, 15, 150, and 300v) when U/W other subassemblies of AN/TRM-1().		USN		P/O AN/TRM-1()
MX-1015/U	Test Prod	Includes RC probe and cable for use with OS-13/U.	Lavoie Labs B-136357	USN	CS-859	U/W OS-13/U P/O AN/FSM-5
MX-1016()/URM-12 MX-1016/URM-12	RF Probe	Rectifies RF voltages and supplies direct current to Voltmeter ME-36/URM-12; 2 RF volts max.	Bendix Radio L200585-1	AEL-51-R14		U/W AN/URM-12
MX-1017()/URM-19 MX-1017/URM-19	RF Probe	Rectifies RF voltages and supplies direct current to Voltmeter ME-36/URM-12; 2 RF volts max.	Bendix Radio 1200392-1	AEL-51-R15		U/W AN/URM-12
MX-1019()/U MX-1019/U	RF Probe	0.9 to 12.4kMc; tuneable; Z: 50Ω; U/W slotted lines. Supersedes MX-831/U.	Kings Electronics Polytechnic Res & Dev	WL-50-R2165	MIL-R-4105	
MX-1020()/U MX-1020/U	RF Probe	300 to 900Mc; tuneable. U/W slotted lines. Supersedes RF Probe MX-963/U.	General Electric	USA WL-52-R1940		
MX-1020A/U	RF Probe	Same description as MX-1020/U&() except frequency range is 300 to 3000Mc.		USAF WL-55-1551	MIL-R-4168 (USAF)	
MX-1025()/APS-23 MX-1025/APS-23	Calibrating Scale	Determines distortion present in sweep presentation of an indicator; 5.3125" diameter face.	Western Electric Co BO-79983	AEL-49-R654		U/W AN/APS-23
MX-1026()/APS-23 MX-1026/APS-23	Calibrating Scale	Determines distortion present in sweep presentation of an indicator; 5.3125" diameter face.	Western Electric Co BO-79983	AEL-49-R655		U/W AN/APS-23
MX-1027()/APS-23 MX-1027/APS-23	Calibrating Scale	Determines ground and slant range of Radar Set AN/APS-23 when mounted on Oscilloscope TS-239/UP.	Western Electric Co BL-79914	AEL-49-R656		U/W AN/APS-23
MX-1028()/U MX-1028/U	Test Set Adapter	Centers and secures Fluxmeter TS-15B/AP to a magnetron magnet with pole gap 3.5 to 4" and face diameter 4".	Artisan Electronics	WL-53-R 1878		U/W TS-15B/AP
MX-1038()/PRM-12	Multiplier	Provides additional voltage ranges of 0 to 4000 at 1kΩ/vac and 20kΩ/vdc for Multitester Set AN/PRM-12.		SCL-7465	SCL-1111 (SigC)	P/O AN/PRM-12()
MX-1039()/PDR-8A MX-1039/PDR-8A	Handle	Telescoping handle U/W Radiac Detector DT-49/PDR-8A when surveying in confined or radioactive areas.	Radio Corp of Amer B-453282	USN	CS-890	P/O AN/PDR-8A
MX-1040()/PDR-8A MX-1040/PDR-8A	Radioactive Test Sample	Provides for testing Radiacmeter IM-53/PDR-8A.	Radio Corp of Amer K-8841629	USN		P/O AN/PDR-8A
MX-1074/URM-25	Impedance Adapter	Terminates signal generator in characteristic Z of 53.5Ω ±1%; 0.25w.	Federal Mfg & Eng 295-230-1	USN		P/O AN/URM-25
MX-1076/UD	Radiactive Test Sample	Source for rough standardization. Equivalent radiation greater than 0.0065 but less than 0.0075 milligrams of radium.	Hoffman Radio Corp OA-86, OM-320	USN		P/O AN/PDR-8 AN/PDR-8B
MX-1083/PDR-27	Radioactive Test Sample	Provides for testing Radiacmeter IM-69A/PDR-27B. Contains equivalent of 5 microcuries of cobalt 60.	General Electric ML112J173 Admiral Corp GA-161	USN	MIL-R-15213 (SHIPS)	P/O AN/PDR-27C
MX-1083A/PDR-27	Radioactive Test Sample	Source for rough standardization. Equivalent radiation greater than 0.0065 but less than 0.0075 milligrams of radium.	Hoffman Radio Corp OA-132	USN	SHIPS-R-79	P/O AN/PDR-27B AN/PDR-27D
MX-1083C/PDR-27	Radioactive Test Sample	7μcuries; alpha, beta, gamma types. A standard for checking accuracy of radiometers IM-141/PDR-27J, IM-173/PDR-27L, IM-176/PDR-27NX or IM-177/PDR-27P.	Carol Electronics C-521-11360 Chatham Electronics B-11360 North Eastern Lab Inc 11361	USN-57-b-1788 N-62-b-1956		P/O AN/PDR-27J,27L, 27M, 27NX, 27P
MX-1091()/URR MX-1091/URR	Signal Generator Adapter	Mixes outputs of Boonton 202B RF Signal Generator and measurements Model 79-B Pulse Generator yielding pulse modulated FM. U/W Radio Receiving Set AN/AAR-31 or equivalent.	Self Winding Clock Co 5740-A	USN	EN-120 (BuAer Mod)	U/W AN/ARR-31
MX-1093()/ANQ-4	Recorder Magazine	Contains enough 0.004" stainless steel wire for one hour of recording at 4 feet/sec.	Air King Products Co	USN	XEL-58 (BuAer)	P/O AN/ANQ-4()
MX-1101/U	Test Prod	High voltage multiplier probe: U/W ME-25A/U up to 5000v.	Hickok Electrical 16975-31	USN		U/W ME-25A/U

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MX-1117( )/UAM-1	Infra-red Black Body	Provides predetermined amounts of radiation for determining sensitivity of various infra-red seeking devices.	Hillyer Inst 1942	USN	XEL-34 (BuAer)	P/O AN/UAM-1( )
MX-1155( )/TRM-2	Test Set Adapter	Provides a means of extending any plug-in divider from the signal generator proper.	Radio Corp of Amer 175368-501	USN	XEL-62 (BuAer)	P/O AN/TRM-2( )
MX-1173( )/UD MX-1173/UD	Radioactive Test Sample	Provides standard for rough calibration of radiac-meters in the field; 1 millicurie (cobalt 60).	Tracerlab Inc. R-30	USA SCLE-9401		
MX-1225( )/URM-17 MX-1225/URM-17	Test Prod	RF probe with 50Ω impedance over the frequency range of 375 to 1000Mc.	Stoddard Aircraft 90430-1	USN		P/O AN/URM-17
MX-1236( )/TPS-10D MX-1236/TPS-10D	Impedance Matching Network	Matches test set and noise generator to IF amplifier.	Radio Corp of Amer A-883-2219-501	WL-55-R-2269	WLENG-178	P/O RT-208/TPS-10D
MX-1246( )/UDR-10 MX-1246/UDR-10	Radioactive Test Sample	Designed for insertion in hand or foot unit. For overall check of operation of AN/UDR-10.	General Electric MLK-112J680	USN		
MX-1247/URM-26	Test Adapter	Test adapter for use with RF signal of generator. Input and output impedance is 51Ω.	Federal Mfg and Eng 294-843	USN		P/O AN/URM-26
MX-1258( )/U MX-1258/U	Tube Socket Adapter Kit	Consists of 9 types of adapters: 4/5/6/7S/7L, octal loctal, 7 miniature, and 9 miniature, mounted in a transit case. These permit above chassis access to operating tubes.	Vector Electronics	USN	MIL-T-16144 (SHIPS)	
MX-1272( )/FPS-3 MX-1272/FPS-3	Test Adapter	Test adapter is complete with capacitor-resistor network and cable extension for supplying proper load on input when tuning amplifier with signal generator.	Bendix Aviation L212850-1	WL-54-R-1607	WLENG-153	P/O AN/FPS-3
MX-1289/URM-26A	Test Adapter	Used as a cable termination, 3 to 405Mc tuning range, input and output impedance is 50Ω.	Measurements Corp HA-3425	USN	MIL-S-15463 (SHIPS)	P/O AN/URM-26A
MX-1300( )/UPM-11 MX-1300/UPM-11	Delay Line	Accurately delays radar pulse for time equivalent to 400 yards when used with range calibrator.	Sperry Gyroscope Co 293828-4	AEL-52-R44		U/W AN/UPM-11( )
MX-1301( )/UPM-11 MX-1301/UPM-11	Delay Line	Accurately delays radar pulse for time equivalent to 1500 yards when used with range calibrator.	Sperry Gyroscope Co 293828-1	AEL-52-R45		U/W AN/UPM-11( )
MX-1301A/UPM-11	Delay Line	Interchangeable with Delay Line MX-1301/UPM-11 except for a greater degree of accuracy of calibration: ±2 yards, rather than ±3 yards.	Hazeltine Electronics	DL-1097	SESA-58-2235	U/W AN/TPS-25( )
MX-1302( )/UPM-11 MX-1302/UPM-11	Delay Line	Accurately delays radar pulse for time equivalent when used with range calibrator to 300 yards.	Sperry Gyroscope Co 293828	AEL-52-R46		U/W AN/UPM-11( )
MX-1305/URM	Summation Bridge Power Measuring Kit	Used to measure radio frequency power from 100μw to 100mw in the range of 20 to 1000Mc.	PRD Electronics	WL-51-1540	WLENG-1081A (USAF)	P/O AN/URM-19
MX-1306/URM-20	Summation Bridge Power Measuring Kit	Used to measure radio frequency power from 100μw to 100mw in the range of 1 to 4kMc.	Bruno Inc	WL-54-R-2220	RADC ENG-362	P/O AN/URM-20
MX-1307/URM-21	Summation Bridge Power Measuring Kit	Used to measure radio frequency power from 100μw to 100mw in the range of 4000 to 10,000Mc.	PRD Electronics	WL-51-1542	WLENG-1081A (USAF)	P/O AN/URM-21
MX-1308/URM-22	Summation Bridge Power Measuring Kit	Used to measure radio frequency power from 5mw to 5w in the range of 20 to 1000Mc.	Bruno Inc	WL-54-R-1071	MCREE-944	P/O AN/URM-22
MX-1309/URM-23	Summation Bridge Power Measuring Kit	Used to measure RF power from 5mw to 5w in the range of 1000 to 4000Mc.	PRD Electronics	WL-51-1544	WLENG-1081A	P/O AN/URM-23
MX-1310/URM-24	Summation Bridge Power Measuring Kit	Used to measure RF power from 5mw to 5w in the range of 4000 to 10,000Mc.	Bruno Inc	WL-54-R-1234	MCREE-949	P/O AN/URM-24
MX-1313( )/AP MX-1313/AP	Test Prod	Frequency range 10 to 200Mc.	Waterman Products Co DFI-004-2	USN	MIL-O-7738 (AER)	P/O AN/USM-25
MX-1314( )/AP	Test Prod	Reassigned "Lead Test CG-944/AP".		USN		
MX-1315( )/U MX-1315/U	Test Prod	Used in the testing of field telephone circuits.		SCL-11732	MIL-C-10669	P/O MX-842/GT
MX-1333( )/MPS-7 MX-1333/MPS-7	Test Adapter	Mixes video output of receiver and range marks for application to oscilloscope for test purposes.	Bendix Aviation N200791-1	WL-55-R-1037	ENG-2119 (USAF)	P/O OA-355/MPS-7
MX-1340( )/UPM-11 MX-1340/UPM-11	Delay Line	Accurately delays radar pulse for time equivalent to 500 yards when U/W range calibrator TS-696/UPM-11.	Sperry Gyroscope Co 715465-3	AEL-52-B47		U/W AN/UPM-11( )
MX-1342/UPM-4A	Test Prod	950 to 1215Mc. 3.5kw peak pulsed power. Connects transponder antenna assembly AS-133/APX to the radar test set.	Admiral Corp 597D23 Gen Communications P-250-D-9000	USN	MIL-R-1550 (SHIPS)	P/O AN/UPM-4( )
MX-1351( )/UPM-4B MX-1351/UPM-4B	Test Prod	1090 to 1110 and 1010 to 1030Mc frequency range. 51Ω input Z. 53Ω output Z. Couples antenna assembly AS-133/APX to the radar test set.	Hazeltine Electronics A-12173	USN	MIL-R-15550 (SHIPS)	P/O AN/UPM-4B
MX-1358( )/USM-19 MX-1358/USM-19	Test Prod	Used to measure distance to a flat conducting surface without mechanical contact to that surface.	National Electrical C-40-218	USN		U/W AN/USM-19
MX-1381( )/APM-66 MX-1381/APM-66	Delay Line	Indicates an altitude of 165 feet minus residual.	Raytheon 1803B	USN	MIL-T-945a	P/O AN/APM-66( )

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MX-1385()/CPS-6B MX-1385/CPS-6B	Test Adapter	Used in mixer testing for checking out receiver performance.	General Electric PL7409532G1	WL-56-R-2233	MIL-R-26838A (USAF)	P/O AN/FPS-6,6A,6B U/W AF33(038)-15062, AF30(635)-5688
MX-1390()/MPS-4 MX-1390/MPS-4	Test Prod	Signal input probe: 10v peak signal, 30Mc.	Hazeltine Electronics A9246	USN		P/O MX-1104/MPS-4 AN/MPS-4C
MX-1391()/MPS-4 MX-1391/MPS-4	Test Prod	Detector output probe: 2v peak signal, 30Mc.	Hazeltine Electronics A9248	USN		P/O MX-1104/MPS-4 AN/MPS-4C
MX-1414/GPA-5	Video Pattern Slide	A black and white negative type panchromatic slide which enables the mapping group to transmit the pattern to radar sets to align and adjust PPI scopes.		USAF		U/W AN/GPA-5
MX-1415/GPA-5	Video Pattern Slide	Same description as MX-1414/GPA-5.		USAF		U/W AN/GPA-5
MX-1416/GPA-5	Video Pattern Slide	Same description as MX-1414/GPA-5.		USAF		U/W AN/GPA-5
MX-1417/U	Tube Socket Adapter	Allows tube checkers to test subminiature tubes. Used with Hickok models 540, 545, and 547.	Radio City Products	USN		U/W I-177
MX-1439()/MRN-10 MX-1439/MRN-10	Modulation Eliminator Bridge	The action of the bridge is to maintain the output at a constant level, the modulation peaks being compressed.	Lavoie Labs 1412813	WL-53-R-1748	ENG-408 (USAF)	P/O AN/MRN-10
MX-1440()/MRN-10 MX-1440/MRN-10	Phase Monitor	Monitors RF phase of antenna system; supplies alarm indication when functions of system are disrupted.	Lavoie Labs 14122600	WL-53-R-1727	ENG-408 (USAF)	P/O AN/MRN-10
MX-1448()/UP MX-1448/UP	Delay Line	Pulse forming network for video gates. Provides two 0.2μsec pulses and one 0.6μsec pulse.	James Millen Mfg Co K34700-66-1	WL-52-1607	MCREE-940 (USAF)	P/O TS-677/UP
MX-1449()/UP MX-1449/UP	Delay Line	Pulse forming network for video gates. Provides two 0.5μsec pulses and one 1.5μsec pulse.	James Millen Mfg Co K34700-66-2	WL-52-1608	MCREE-940 (USAF)	P/O TS-677/UP
MX-1450()/UP MX-1450/UP	Delay Line	Pulse forming network for video gates. Provides two 1.0μsec pulses and one 3.0μsec pulse.	James Millen Mfg Co K34700-66-3	WL-52-1609	MCREE-940	P/O TS-677/UP
MX-1451()/UP MX-1451/UP	Delay Line	Pulse forming network for video gates. Provides two 2.0μsec pulses and one 6.0μsec pulse.	James Millen Mfg Co K34700-66-4	WL-52-1010	MCREE-940	P/O TS-677/UP
MX-1471()/U MX-1471/U	Instrument Multirange Shunt	Provides direct current measuring function when usen with multitester.		SESA-57-1207	MIL-S-14327	U/W AN/URM-105 ME-77()/U
MX-1471()/PRM-17	Instrument Multirange Shunt	Provides direct current measuring function when used with multitester.		SCLC-5647		U/W AN/PRM-17()
MX-1472()/U MX-1472/U	Electrical Instrument Multiplier	Multiplies the 0 to 1000vdc ranges of multitester to 10,000vdc.		SESA-57-1208	MIL-M-14357	U/W AN/URM-105 ME-77()/U
MX-1472()/PRM-17	Electrical Instrument Multiplier	Multiplies the 0 to 1000vdc ranges of multitester to 10,000vdc.		SCLC-5648		P/O AN/PRM-17() U/W ME-77()/U
MX-1472A/U	Electrical Instrument Multiplier	Multiplies the 0 to 1000vdc ranges of multitester to 10,000vdc.	Canadian Admiral Corp	CA-374		
MX-1473()/APM-68 MX-1473/APM-68	Delay Line	Produces delay in radio frequency signal for use in calibrating radio and radar altimeters.		AEL-52-619		P/O AN/APM-68
MX-1474()/APM-69 MX-1474/APM-69	Test Set Subassembly	Cancelled 1 December 1953.		AEL-53-C821		
MX-1491()/MPQ-12 MX-1491/MPQ-12	Electrical Counter	Furnishes facilities for the film of camera to record the overall time of flight of a missile being photographed.	Reeves Inst 107895	SCLE-4339	MIL-R-11120A	P/O AN/MPQ-12
MX-1492/URM-40	Inductance Standard	Portable bench type. 300mh inductance. Maximum Q at 25kc is 30.	Davies Labs 64.1	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()
MX-1493/URM-40	Inductance Standard	Portable bench type, 250mh, maximum Q of 50 at 40kc.	Davies Labs 64.2	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()
MX-1494/URM-40	Inductance Standard	Portable bench type, 100mh, a maximum Q of 85 at 70kc.	Davies Labs 64.3	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()
MX-1495/URM-40	Inductance Standard	Portable bench type, 50mh, or a maximum Q of 90 at 79kc.	Davies Labs 64.4	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()
MX-1496/URM-40	Inductance Standard	Portable bench type, 25mh, and a maximum Q of 110 at 90kc.	Davies Labs 64.5	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()
MX-1497/URM-40	Inductance Standard	Portable bench type, 10mh,a maximum Q of 140 at 112kc.	Davies Labs 64.6	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()
MX-1498/URM-40	Inductance Standard	Portable bench type, 5mh maximum Q of 160 at 170kc.	Davies Labs 64.7	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()
MX-1499/URM-40	Inductance Standard	Portable bench type, 2.5mh, maximum Q of 170 at 230kc.	Davies Labs 64.8	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()
MX-1500/URM-40	Inductance Standard	Portable bench type, 1.0mh, and a maximum Q of 170 at 320kc.	Davies Labs 64.9	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()
MX-1501/URM-40	Inductance Standard	Portable bench type, 500μh, maximum Q or 170 at 425kc.	Davies Labs 64.10	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40()

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MX-1502/URM-40	Inductance Standard	Portable bench type. 250μh. Maximum Q of 200 at 900kc.	Davies Labs 64.11	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1503/URM-40	Inductance Standard	Portable bench type, 100μh, maximum Q of 200 at 1350kc.	Davies Labs 64.12	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1504/URM-40	Inductance Standard	Portable bench type, 50μh, maximum Q of 200 at 2.1Mc.	Davies Labs 64.13	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1505/URM-40	Inductance Standard	Portable bench type, 25μh, maximum Q of 200 at 4.1Mc.	Davies Labs 64.14	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1506/URM-40	Inductance Standard	Portable bench type, 10μh, maximum Q of 200 at 5.5Mc.	Davies Labs 64.15	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1507/URM-40	Inductance Standard	Portable bench type, 5μh, maximum Q of 200 at 7.0Mc.	Davies Labs 64.16	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1508/URM-40	Inductance Standard	Portable bench type, 2.5μh, maximum Q of 200 at 11.5Mc.	Davies Labs 64.17	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1509/URM-40	Inductance Standard	Portable bench type, 1.0μh, maximum Q of 200 at 19Mc.	Davies Labs 64.18	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1510/URM-40	Inductance Standard	Portable bench type, 0.5μh, maximum Q of 235 at 28Mc.	Davies Labs 64.19	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1511/URM-40	Inductance Standard	Portable bench type 0.25μh, and a maximum Q of 235 at 30Mc.	Davies Labs 64.20	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1512/URM-40	Inductance Standard	Portable bench type, 0.25μh, of maximum Q of 235 at 55Mc.	Davies Labs 64.21	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1513/URM-40	Inductance Standard	Portable bench type, 0.10μh, maximum Q of 200 at 120Mc.	Davies Labs 64.22	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1514/URM-40	Inductance Standard	Portable bench type, 0.05μh, maximum Q of 180 at 145Mc.	Davies Labs 64.23	USN	MIL-Q-16110 (SHIPS)	P/O AN/URM-40( )
MX-1519( )/APN-59 MX-1519/APN-59	Gate & Sweep Generator Plug-In Subassembly	Develops range rate and sweep voltages of length determined by control setting. Also furnishes unblanking gate for Plug-In Subassembly, Video Amplifier MX-1516/APN-59.	Sperry Gyroscope Co 674025	AEL-54-R332	WCE-334	P/O IP-239/APN-59
MX-1529/USM-26	Test Prod	300w power rating, moisture proofed. Intended for frequency measurement up to 20Mc.	Hewlett-Packard 524B-M-805	USN	MIL-E-7847	P/O AN/USM-26
MX-1537/AP	Test Prod	Used to attenuate the Y signal being fed to Oscilloscope with Cable Assemblies IT-114T or IT-115T. Also for general purpose use. Attenuation factor is 10.	Industrial TV Inc IT-110T	USN		U/W OS-4A/AP P/O AN/USM-25A,25B
MX-1537A/AP	Test Prod	Designed to be attached to a length of cable used in testing electronic circuits. Attenuation factor is 10.	Model Eng & Mfg Inc 995-B-7085	USN 476		U/W OS-4A/AP,4B/AP P/O AN/USM-25,25B
MX-1538/AP	Test Prod	Reassigned: Test Prod MX-1539/AP.		USN		
MX-1539( )/TTC	Power Supply Adapter	Provides auxiliary power distribution point for the distribution of power for telephone cord circuits.		SCLC-5890	SCL-1037	P/O SB-177( )/TTC
MX-1539/AP	Test Prod	Used with Cable Assemblies IT-114T, 115T to detect signal in the range of 10 to 100Mc being fed to the oscilloscope.Y input.	Industrial TV Inc IT-111T	USN		P/O AN/USM-25A,25B U/W OS-4A/AP
MX-1539A/AP	Test Prod	Used to detect RF signals in the range of 10 to 200Mc being fed to the oscilloscope. Y input.	Model Eng & Mfg Inc 995-B-7084	USN-477		P/O AN/USM-25A,25B U/W OS-4A/AP OS-4B/AP
MX-1540( )/AMQ-8 MX-1540/AMQ-8	Resistance Calibrator	Used to calibrate temperature indicators that operate by electrical means. Requires no power. Plugs into the same connector as the temperature sensitive element of the indicator.		USN		U/W ML-471/AMQ-8
MX-1544( )/USM-16 MX-1544/USM-16	Test Prod	500vdc, -20vac max, 3μμf input capacitance. Picks up RF voltages in circuit under test.	Rollin Co	AEL-53-170	MIL-S-4071 (USAF)	P/O AN/USM-16
MX-1545/USM-37	Probe Carriage	Includes vernier on centimeter scale, and provisions for mounting dial gauge where very accurate readings are required.	Hewlett-Packard 809B	USN		P/O AN/USM-37
MX-1546/USM-37	Waveguide Probe	Used to detect standing waves in waveguides in 2400 to 18,000Mc range. Includes diode detector. Z=50Ω.	Hewlett-Packard 444A	USN		P/O AN/USM-37 U/W AN/MPQ-4A
MX-1548/ASM-3	Test Shield	Shield assembly consisting of one aluminum outer box, three metal inner boxes, and foam rubber sheets as separators.		USN		P/O AN/ASM-3 U/W DT-37/ASQ-8
MX-1549( )/MRN-8 MX-1549/MRN-8	Course Monitor	Provides either width, shape or position information for the Control-Monitor Group OA-430/MRN-8. Three required for each installation.	Fed Tele & Radio Corp A2121656	AEL-53-124	MIL-R-4146 (USAF)	P/O AN/MRN-8
MX-1550/MRN-7	Course Monitor	Provides either width, shape, position or course correction information for Control-Indicator C-1325/MRN-7.Four required for each installation.	Fed Tele & Radio Corp 2121807	AEL-53-126	MIL-R-4140 (USAF)	P/O AN/MRN-7
MX-1559/ARN	Test Shield	Accepts RF input of 1mv to 0.1v, 75kc to 40Mc from Signal Generator TS-413( )/U. RF output of 0.2 to 20,000 microvolt/meter to equipment being tested.		AEL-54-R7	MIL-S-4712 (USAF)	P/O AN/URM-78

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-1565()/MRN-7 MX-1565/MRN-7	Audio Frequency Monitor	Monitors identification signal for localizer transmitter. Three of these items are necessary for the operation of control-indicator.	Fed Tele & Radio Corp A2122078	AEL-53-384	MIL-R-4140 (USAF)	P/O C-1325/MRN-7
MX-1566()/GRC MX-1566/GRC	Test Adaptor	Facilitates measurement of voltages and currents between receiver-transmitter and power supply.		SCLM-1189	SIG MIB-53	P/O MK-153()/GRC U/W RT-66,67,68()/GRC PP-112()/GR PP-109/GR
MX-1587/UPM-55	Test Prod	Frequency compensated device for making pulse and RF voltage measurements.	Sylvania Electric Co HIX-25044	USN	MIL-G-7789 (Aer)	P/O AN/UPM-55
MX-1587A/UPM-55	Test Prod	Frequency compensated device for making pulse and RF voltage measurements.	Schaevitz Engineering	USN-59-ah-2556	MIL-G-7789A (Aero)	P/O AN/UPM-55A
MX-1588()/MPQ MX-1588/MPQ	Electrical Counter	5 figures, 100 counts per second max. Presents data covering over-all time of flight to camera.		SCLE-4786	MIL-R-11602	P/O AN/MPQ-18
MX-1594()/APD-4 MX-1594/APD-4	Waveguide Probe	Used on preflight and other tests to introduce an RF signal generator output into appropriate system antennas under controlled conditions.	Fed Tele & Radio Corp	USN		P/O AN/APD-4
MX-1604/USM-32	Test Prod	Frequency compensated device used over carrier frequency range of 0.5 to 400Mc. Modulation frequency range of 10 to 15,000cps.	Dumont Labs 50093051	USN		P/O AN/USM-32
MX-1609/USM-32	Test Prod	Frequency compensated device for making pulse and RF voltage measurements. Used at frequencies of less than 5Mc. Part of oscilloscope. Provides 20 to 1 attenuation ratio.	Dumont Labs 50093111	USN		P/O AN/USM-32
MX-1609A/USM-32	Test Prod	Frequency compensated device for making pulse and RF voltage measurements with minimum circuit loading. Part of oscilloscope. Provides 10 to 1 attenuation ratio.	Dynamic Electronics	N-59X-2691		P/O AN/USM-32
MX-1614/USM-43	Test Prod	Detects vibration amplitudes. Rated 2.3Mc at 1.8a.	Self Winding Clock Co	USN		P/O AN/USM-43
MX-1627()/URN-3 MX-1627/URN-3	Radio Frequency Monitor	Transmits on 1025 to 1150Mc frequency range, receives on 962 to 1024Mc and 1151 to 1213Mc ranges. Operates four separate function alarms when stated requirements of radio set are not met.	Olympic Radio & TV AS 15341 Fed Telecommun Lab J-RX-336124	USN	MIL-M-18338	P/O AN/URN-3
MX-1629/URN-25F	Test Adapter	Z:50Ω. Binding post connectors one end, one insulated, one not. Round male contacts at other end.	New London Inst Co 162-B-160	USN		P/O AN/URM-25F
MX-1632()/MS	Delay Line	Cancelled 27 November 1957.		ORDDW-316-57		
MX-1636/U	Frequency Meter Subassembly	Contains squaring circuits for time interval measurements over 0.3μsec to 1000sec range.	Hewlett-Packard 524B-E-814	USN	MIL-F-7847	P/O AN/USM-26
MX-1636A/U	Stop Timer	Electrical type: electronic trigger circuits, electrical device. Time interval indicated on frequency meter.	Hewlett-Packard 526B	USN-1584	MIL-F-7847A (Aer)	P/O AN/USM-26A
MX-1637/U	Frequency Meter Subassembly	This subassembly extends the range of FR-38()/U from 10Mc to 100Mc. Includes tuning indicatior and tunable amplifier.	Hewlett-Packard 524B-E-816	USN	MIL-F-7847	P/O AN/USM-26
MX-1652/TRM-1	Test Adapter	Connects to item to be tested by coaxial line from test set. Impedance is between 200 and 400Ω from 2.5 to 30Mc.	Trad Television Corp 102-C-765	USN		P/O AN/TRM-1
MX-1659/ARM-18	Test Prod	One terminal with pin used as probe, other terminal with spade lug for #18 wire.	United Mfg Co 8250	USN		
MX-1664()/DSM MX-1664/DSM	Test Set Group Subassembly	Classified.		US ORDDW-325-54		
MX-1695()/DSM MX-1695/DSM	Test Set Group Subassembly	Classified.		ORDDW-12-56		
MX-1701A/DSM	Test Set Group Subassembly	This subassembly increases the tuning range of the missile RF test set to make possible the testing of all missiles equipped with filter antennas.	Bell Telephone Labs	ORDXR-74-58		P/O OA-1176/DSM
MX-1731/MSQ-1A	Oscilloscope Subassembly	Mounting frame for all components of oscilloscope including front panel and CRT.	Reeves Inst 139725	WL-54-1761	EXH: RADC-2292	P/O OS-55/MSQ-1A
MX-1742()/FPS-5 MX-1742/FPS-5	Elevation Indicator Calibrator	Permits calibration of physical and simulated antenna tilt over an angular distance of 20°.	Hazeltine Electronics A-17101	WL-54-1802		P/O AN/FPS-5
MX-1754()/MSQ-1A MX-1754/MSQ-1A	Signal Generator Subassembly	Contains the gear train used to provide time mark and guidance signals.	Reeves Inst 130141	WL-54-1781	EXH: RADC-2292	P/O OA-845/MSQ-1A
MX-1781()/U MX-1781/U	Heating Element Thermocouple	Used as part of RF wattmeter in measuring power output of inductively coupled high frequency CW, FM, and AM transmitters.	Bird Electronics 900018-2	SCLE-9463	MIL-R-11817 (SigC)	P/O TS-118A/AP
MX-1782()/U MX-1782/U	Heating Element Thermocouple	Used as part of RF wattmeter in measuring power output of inductively coupled high frequency CW, FM, and AM transmitters.	Bird Electronics 900018-3	SCLE-9464	MIL-R-11817 (SigC)	P/O TS-118A/AP
MX-1783()/U MX-1783/U	Heating Element Thermocouple	Used as part of RF wattmeter in measuring power output of inductively coupled high frequency CW, FM, and AM transmitters.	Bird Electronics 900018-4	SCLE-9465	MIL-R-11817 (SigC)	P/O TS-118A/AP
MX-1784()/U MX-1784/U	Tuning Shunt	Used as part of RF wattmeter in measuring power output of capacitively coupled high frequency transmitters in the range of 220 to 1400Mc.	Bird Electronics 900022	SCLE-9466	MIL-R-11814 (SigC)	P/O TS-118A/AP

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MX-1785()/U MX-1785/U	Heating Element Thermocouple	Used as part of RF wattmeter in measuring power output of inductively coupled high frequency CW, FM, and AM transmitters.	Bird Electronics 900018-1	SCLE-9462	MIL-R-11817 (SigC)	P/O TS-118A/AP
MX-1786()/U MX-1786/U	Test Prod	Used with any vacuum tube multitester or battery operated ohmmeter. Intended to standardize measurements of surface resistivities. Electrical testing of rain erosion coatings possible.		AEL-54-1014		
MX-1787()/MSQ-1A MX-1787/MSQ-1A	Subassembly Test Set	Used to check computer servo amplifiers, 3 phase & frequency regulated voltages. Remotely controlled.	Exhibit Inst 134501	WL-54-1900		P/O OA-725/MSQ-1A
MX-1797()/U MX-1797/U	Test Prod	Measures RF in 1 to 500Mc frequency range. To be used under 40v.	Phaostron PL-2301	SCLC-10292		P/O TS-505()/U
MX-1806()/MPQ-4 MX-1806/MPQ-4	Delay Line	Provides 2000 meters unit time delay range markers for display on indicator for calibration of radar set.	General Electric PLSMA 122076G1	SCLE-9493	MIL-R-11906A (SigC)	P/O AN/MPQ-4()
MX-1812()/MRN-8 MX-1812/MRN-8	Test Adapter	Interconnects signal generator to field monitor input, with RF Receptacle UG-103/U mounted on it.	Fed Tele & Radio Corp A-2126040	WL-55-53	MIL-R-4146 (USAF)	U/W AN/MRN-8
MX-1813()/MRN-7 MX-1813/MRN-7	Test Adapter	Interconnects signal generator to field monitor input with RF Receptacle UG-103/U mounted on it.	Fed Tele & Radio Corp A-2126043	WL-55-54	MIL-R-4140 (USAF)	U/W AN/MRN-7
MX-1815/USM-38	Test Prod	Detector probe. Useful to 400Mc and 125 peak inverse voltage. Modulating frequencies: 10cps to 15kc.	Trad Television Corp 124-B-224	USN	SHIPS-0-1515	P/O AN/USM-38
MX-1816/USM-38	Test Prod	Cathode follower probe. Input resistance: 6MΩ with 10μμf capacitance. Useful to 5vrms.	Trad Television Corp 124-C-247	USN	SHIPS-0-1518	P/O AN/USM-38
MX-1817/USM-38	Test Prod	Attenuation probe with ten-to-one ratio, input resistance of 9MΩ with shunt capacitance of 14μμf and maximum voltage of 500v.	Trad Television Corp 124-B-232	USN	SHIPS-0-1518	P/O AN/USM-38
MX-1837()/FRN-20 MX-1837/FRN-20	Course Monitor	Detects deviation from normal VOR station operation over frequency range of 108 to 118Mc.	Wilcox Electric Co 463A	SCLM-6793		P/O AN/FRN-20()
MX-1842/ARM-20	Test Adapter	Used as interconnection between main base and plug-in book type subassemblies of radio set undergoing tests.	Fed Tele & Radio Corp NUS 3098-8	AER-EL-4132		P/O AN/ARM-20 AN/ARN-21
MX-1854()/GSQ-T2 MX-1854/GSQ-T2	Student Electronic Circuit Trainer Panel Assembly	Group of electronic circuit panels used by students to obtain information in their operation and to identify difficulties occurring during operation.	Remler Company Ltd	AEL-56-R-17	MIL-T-9108	U/W AN/GSQ-T2
MX-1855()/GSQ-T2 MX-1855/GSQ-T2	Instructor Radar And Microwave Electronic Circuit Trainer Panel Assembly	Radar and microwave circuits used by instructors to teach students the above circuits, their operation, and the reasons for malfunctions that may occur during normal operation.	Remler Company Ltd	AEL-56-R-18	MIL-T-9108 (USAF)	U/W AN/GSQ-T2
MX-1863/UP	Test Prod	Attenuator probe: 10 to 1 ratio. Used with oscilloscope. Shunt capacity is 30μμf.		USN		P/O AN/UPM-70,4A OS-56/UPM-56
MX-1895()/APN-84 MX-1895/APN-84	Test Adapter	Checks any of the eight subchassis that make up the range indicator. Connects between the indicator and tested subchassis by means of cables.	Radio Corp of Amer MI-24978	AEL-55-377		U/W IP-186/APN-84
MX-1904()/TLR-8 MX-1904/TLR-8	Subassembly Test Set	Permits viewing of detected and amplified pulse on cathode ray tube in order to determine correct operation of receiver.	Amer Electronics Lab	SCLE-9668	SCL-2817	P/O AN/TLR-8()
MX-1906()/U MX-1906/U	Test Prod	An insulated test prod which is designed for general use with various test equipments.		SCLC-10537		P/O CS-1331/U
MX-1907()/U	Test Prod	An insulated test prod which is designed for general use with various test equipments.		SCLC-10539		
MX-1908()/U	Test Prod	An insulated test prod which is designed for general use with various test equipments.		SCLC-10540		
MX-1909()/U	Test Prod	An insulated test prod which is designed for general use with various test equipments.		SCLC-10541		
MX-1910()/U MX-1910/U	Test Prod	An insulated test prod which is designed for general use with various test equipments.		SESA 1 3729		P/O CX-1331/U
MX-1911()/U	Test Prod	An insulated test prod which is designed for general use with various test equipments.		SCLC-10543		
MX-1920/AQM-2	Test Lead	Signal output cable from signal generator. Four feet long, one conductor and shield.	Raytheon # 3 of 2471	USN-EL-4632	MIL-H-15362	P/O OA-1029/AQM-2 AN/AQM-2
MX-1921/AQM-2	Test Lead	Signal input cable from unit under test to oscilloscope. Four feet long. One conductor and shield.	Raytheon # 4 of 2471	USN-EL-4632	MIL-H-15362	P/O OA-1029/AQM-2 AN/AQM-2
MX-1922()/USM-58 MX-1922/USM-58	Test Adapter	Provides a means of adapting one of the coaxial cables connectors to the range indicator.	Radio Corp of Amer 478617-501	AEL-55-429	WCE-295 295	P/O AN/USM-58
MX-1926()/MPS-16 MX-1926/MPS-16	Pulse Forming Network	Artificial open-ended transmission line, which is charged through an inductance and discharged through a load, producing a pulse of length equal to twice the wave propagation time.	Avco Corp 728093	WL-58-R-2419	RADC EXH: ENG-2241	P/O MD-269/MPS-16 MD-327/MPS-16A
MX-1929/FSA-T1	Pulse Storage Assembly	One of five identical assemblies used to store fire pulses. Four pulses are stored in each assembly, by use of bi-stable circuits.	National Cash Register	USN 1540	SHIPS-F-1734	P/O OA-1035/FSA-T1
MX-1938()/GPA-34 MX-1938/GPA-34	Converter-Storer Subassembly	Counts pulses or accepts information in parallel, stores it, shifts it in serial form, directs output of write amplifier to appropriate read-write head.	General Electric PL7607334G1	WL-55-2139	RADC-2339	P/O CV-404/GPA-34
MX-1964/MPM-31	Sub-Assembly Test Set	Cancelled 18 May 1956.		ORDDW-87-56		

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MX-1965/MPM-32	Sub-Assembly Test Set	Cancelled 18 May 1956.		ORDDW-101-56		
MX-1966/MPM-35	Sub-Assembly Test Set	Cancelled 18 May 1956.		ORDDW-117-56		
MX-1979()/GPA-23 MX-1979/GPA-23	Reference Signal Generator Subassembly	Generates 400cps signal, basic carrier of the 400 cycle computation and gates to control time sharing for PPI display. Generates 50kc signal for circle waveforms.	General Electric PL7302728G1	USAF WL-55-R 2696	RADC-2316	P/O SG-144/GPA-23
MX-1981/TRM-3	Test Prod	Up to 400Mc. Demodulates signal and passes the modulation to internal scope of the signal generator.	Transitron Electronic B-0132-01828	1758	MIL-S-8663 (AER)	P/O AN/TRM-3
MX-1982/TRM-3	Test Adapter	Used as dc block with no effect on line impedance into which it is inserted.	Transitron Electronics B-0132-01808	1761	MIL-S-8663 (Aer)	P/O AN/TRM-3
MX-1983/TRM-3	Impedance Matching Network	0 to 400Mc. Matches 91Ω to 50Ω line. End connectors is UG-291/U.	Transitron Electronics B-0132-01848	1762	MIL-S-8663	P/O AN/TRM-3
MX-1984()/G MX-1984/G	Test Adapter	For testing and aligning RF and IF oscillator and discriminator circuits of FM radio sets.		USA SCLC-10614		P/O IE-9()
MX-1989/FIC-T1	Impedance Matching Network	Input and output Z: 500Ω. Provides matching and termination circuitry for one unit of the lectric powered headset network.		55-1803-USN		P/O AN/FIC-T1
MX-2000()/APM-77 MX-2000/APM-77	Delay Line	Electromagnetic delay line. 1μsec time delay; 1600 to 1660Mc driving frequency range.	Radio Corp of Amer	AEL-56-R-7	MCREE 574 Amend 1	P/O AN/APM-77
MX-2005()/U MX-2005/U	Electrical Instrument Multiplier	Extends 0 to 1000vdc range of AN/URM-105 to 0 to 100,000vdc.		SESA-57-1209	MIL-M-14357	U/W AN/URM-105
MX-2006()/U	Electrical Counter	115cpm, max 6-digit register. Provides means for counting and recording traffic in semi and automatic relay centers.		SCLC-10650		U/W AN/FGC-30()
MX-2007()/URM-93	Radio Frequency Voltage Standard	Replaced by TS-1254/URM-93.	Boonton Radio Corp 235-A	SESA-59-2014		
MX-2012/U	Test Adapter	Provides integral connector to facilitate testing of electron tubes located in plug-in sub-assemblies without removing tubes. U/W TV-3/U.	Radio Corp of Amer 755956	79		U/W AN/FRR-21,22,23 AN/SRR-11,12 13,13A
MX-2074/GSM	Test Adapter	Provides adjustable dc input and loading circuits for dc amplifier testing. Provides connecting cables and switches.	Bell Telephone Labs BA-723472	ORDBA-0015		P/O Ord-6, TM-33
MX-2075/GSM	Test Adapter	Facilitates zeroing 60 and 400cps synchros and comparison of synchro and potentiometer angular outputs.	Bell Telephone Labs BA7236519	ORDBA-0016		P/O Ord-6, M-33
MX-2076/GSM	Test Adapter	Provides loads and variable phase shifts for testing computer modulator. Includes connecting cables and switches.	Bell Telephone Labs BA-723340	ORDBA-0017		P/O Ord-6 M-33
MX-2087()/AMH-1	Refractometer Probe	Airborne cavity type probe responsive to changes in refractive index of air. Output controls frequency of microwave modulator in MX-2086()/AMH-1.	Farnsworth Electronics	AEL-56-686	EXH: WCLR-274	P/O AN/AMH-1()
MX-2098()/FSW-1 MX-2098/FSW-1	Control-Monitor Subassembly	Audio frequency amplifier, detector, oscillator, filter, power supply, relays, and telephone. Oscillator 425cps, receiving filter 1785cps.	Westinghouse Electric 403D163-2	CRC-56-R-543		P/O AN/FSW-1
MX-2102()/GSG MX-2102/GSG	Test Adapter	Contains switching arrangements and components to distribute correct voltages and signals to test High Power Servo Preamplifier D-153972. Contains 100 to 0 to 100 microammeter.	Bell Telephone Labs BA-723339	ORDBA-0037		P/O Ord-6 M-33
MX-2108()/G MX-2108/G	Fixed Inductance Standard	Inductance: 250μh ±1%. Resonant Freq 0.5, 1.0, 1.5Mc. Q-meter calibration standard.	Boonton Radio Corp 513-A	SESA-59-132		U/W TS-617/U
MX-2110()/GRM-9	Attenuator Assembly	50Ω. Used to attenuate exercise signals distributed to the rate and track antennas and to program the boresite antenna switching. Assigned 18 September 1956.	General Electric PL7606407G1	WDD-56-77		P/O OA-1320()/GRM-9
MX-2110()/G MX-2110/G	Jack Assembly	Provides facilities for patching, monitoring, terminating and inter-connecting up to 48 circuits.	Western Electric Co 303A	PICO-62-336		U/W AN/TGC-4,5 AN/FGC-20,25 30,38
MX-2114/FQQ	Test Adapter	Provides facilities for electrical testing of voltage regulator of the OA-1127/FQQ-1.	Western Electric Co GS-55573	USN		P/O AN/FQQ-1(V), 2(V)
MX-2118()/FPS MX-2118/FPS	Test Adapter	Plug and jack arrangement to make signals available for display on OS-71/FPS.	General Electric PL7426457G1	CRC-56-554	EXH: AFCRC-55-29A	P/O AM-1379/FPS
MX-2123()/USM	Instrument Shunt	External shunt: 50mv, 3a(dc). Provides higher current measuring range to ME-103()/U.		SCLM-1328		P/O AN/USM-69()
MX-2124()/USM	Instrument Shunt	External shunt: 50mv, 7.5a(dc). Provides higher current measuring range to ME-103()/U.		SCLM-1329		P/O AN/USM-69()
MX-2125()/USM	Instrument Shunt	External shunt: 50mv, 15a(dc). Provides higher current measuring range to ME-103()/U.		SCLM-1330		P/O AN/USM-69()
MX-2126()/USM	Instrument Shunt	External shunt: 50mv, 30a(dc). Provides higher current measuring range to ME-103()/U.		SCLM-1331		P/O AN/USM-69()
MX-2127()/USM	Instrument Shunt	External shunt: 50mv, 75a(dc). Provides higher current measuring range to ME-103()/U.		SCLM-1332		P/O AN/USM-69()
MX-2133()/USM	Instrument Shunt	External shunt: 50mv, 1.5a(dc). Provides higher current measuring range to ME-103()/U.		SCLM-1327		P/O AN/USM-69()

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MX-2134()/USM	Instrument Shunt	External shunt: 50mv, 150a(dc). Provides higher current measuring range to ME-103()/U.		SCIM-1333		P/O AN/USM-69()
MX-2135()/USM	Instrument Shunt	External shunt: 50mv, 300a(dc). Provides higher current measuring range to ME-103()/U.		SCIM-1334		P/O AN/USM-69()
MX-2143/FQQ	Subassembly Test Set	Contains jacks and switching circuitry to accomodate 6 test conditions for initial and subsequent tests of AN/FQQ-1(V),2(V).	Western Electric Co GS55571	USN		P/O AN/FQQ-1(V) 2(V)
MX-2144()/U MX-2144/U	Waveguide Probe	Thermister probe: 10Mc to 10kMc range. SWR less than 1.5; no tuning required. Provides power measurements. Replacement for CG-1061/U	Hewlett-Packard 477B	SCLE-12056		P/O AN/URM-98()
MX-2144A/U	Radio Frequency Bolometer	Measures power over the 3-decade frequency range of 10Mc to 10kMc. Interchangeable with MX-2144/U except for maintenance parts. For general purpose use.	Hewlett-Packard 477B	SIMSA-61-153		P/O AN/URM-98
MX-2155/FSA-T1	Hit Data Resolver	Provides high pulse output from random noise and fire pulse input.		USN	SHIPS-H-1737	
MX-2156/FSA-T1	Damage Data Resolver	Provides damage information from hig pulse and random noise coincidence.		USN	SHIPS-H-1737	
MX-2158/MPM-38	Test Adapter	Connects AN/MQR-7 with various test equipments, includes facilities for continuity testing and provides proper voltages and loads.		ORDDW-267-56		P/O AN/MPM-38
MX-2159/MPM-38	Test Adapter	Connects AN/MSA-6 with various test equipments; includes facilities for continuity testing and provides proper voltages and loads.		ORDDW-268-56		P/O AN/MPM-38
MX-2160/MPM-38	Test Adapter	Connects AN/MSM-4 with various test equipments; includes facilities for continuity testing and provides proper voltages and loads.		ORDDW-269-56		P/O AN/MPM-38
MX-2161/MPM-38	Test Adapter	Connects AN/MPW-25 with various test equipments; includes facilities for continuity testing and provides proper voltages and loads. Includes pulse generator.		ORDDW-270-56		P/O AN/MPM-38
MX-2162/MPM-38	Test Adapter	Connects AM-1023/MSA-6 with various test equipments; includes facilities for voltage adjustments, and provides proper voltages and circuit loads.		ORDDW-271-56		P/O AN/MPM-38
MX-2163/MPM-38	Test Adapter	Connects AM-1027/MSA-6 with various test equipments; includes facilities for continuity check and voltage adjustments, and provides proper voltages and loads.		ORDDW-272-56		P/O AN/MPM-38
MX-2164/MPM-38	Test Adapter	Connects CN-268/MSA-6 with various test equipments; includes facilities for voltage adjustments, and provides proper voltages and loads.		ORDDW-273-56		P/O AN/MPM-38
MX-2165/MPM-38	Test Adapter	Connects CN-269/MSA-6 with various test equipments; includes facilities for voltage adjustments, and provides proper voltages and loads.		ORDDW-274-56		P/O AN/MPM-38
MX-2168/GSM	Test Adapter	Contains components and switching arrangements to distribute test voltages and signals to test D-153986 and D-153971. Provides power supply and measurement facilities.	Bell Telephone Labs BA-723336	ORDBA-0038		P/O M-33, Ord-6
MX-2169/GSM	Test Adapter	Contains components and switching arrangements to distribute test voltages and signals to test D-153971. Provides measurement facilities.	Bell Telephone Labs BA-723335	ORDBA-0039		P/O M-33 Ord-6
MX-2177()/FSG-1 MX-2177/FSG-1	Battery Data Link Test Unit	Signal monitor; monitors one or two signals simultaneously	Martin Co 423-1661000	SESA-13045		P/O OA-1413/FSG-1
MX-2180()/FSG-1 MX-2180/FSG-1	Test Problem Unit	Permits zeroing of various OA-1420/FSG-1 circuits; provides test problems for computer and compares computed answers with true answers.	Martin Co 423-5111000	SESA-13070		P/O OA-1420/FSG-1
MX-2182()/FSG-1 MX-2182/FSG-1	Problem Unit	Provides problems for the ground slant computer group. Answers to the problems are also provided, to check accuracy by comparison with the answer received from the computer.	Martin Co 423-9332000	SIMSA-61-13772		P/O OA-1426/FSG-1
MX-2185/GJQ-8	Prism Azimuth Reference	Used as a true bearing reference for alignment group sensing platforms.	American Bosch-Arma 2-00036-621	USAF	MIL-HDBK-300	U/W OA-2185/GJQ-8 OA-2415/GJQ-8
MX-2190()/FSG MX-2190/FSG	Test Adapter	Connects TS-990/FSQ or ohmmeter to diode circuits in drum diode switch can assemblies.	IBM Corp 3204043	CRC-56-630		P/O AN/FSQ-7,8
MX-2191()/FPS-18 MX-2191/FPS-18	Alarm-Monitor	Continuously monitors AN/FPS-18 power and noise figures; presents this information on integral meters. Contains manual means of VSWR measurement.	Airborne Inst Lab R680111-1 Bendix Aviation	CRC-56-634		P/O AN/FPS-18
MX-2204/GSM	Test Adapter	Tests power supply and regulator chassis of FCS T38. Checks various channels under several loads for regulation and ripple voltage of dc output.		ORDBA 0063		U/W FCS,T38
MX-2216/FQQ-2	Test Set Subassembly	Locates different heads on magnetic delay line. Aids measurement of relative signal delay by phase comparison.	Western Electric Co GS56347	USN-57-198		P/O AN/FQQ-2(V)
MX-2221/FQQ-2	Test Set Subassembly	Provides interconnections, switching and components necessary to compare reference spectrum analyzer and/or reference multiplier recorder with same items under test.	Western Electric Co GS56334	USN-57-SR-284		P/O AN/FQQ-2(V)
MX-2226()/FSA-14 MX-2226/FSA-14	Delay Line	Delays input to pulse recorder; provides audible alarm and visual lamp indications. Similar to MX-2227/FSA-14&().	Western Electric Co GS-18120,L1	WL-57-1230	MIL-C-9553 (USAF)	P/O OA-1539/FSA-14
MX-2227()/FSA-14 MX-2227/FSA-14	Delay Line	Delays input to pulse recorder; provides audible signal and visual lamp indications. Similar to MX-2226/FSA-14&().	Western Electric Co GS-18120,L2	WL-57-1229	MIL-C-9553 (USAF)	P/O OA-1540/FSA-14
MX-2229/GRA-34	Radio Frequency Monitor	Contains transmitter (1025 to 1150Mc), receiver (962 to 1024, 1151 to 1213Mc), servo, and time measuring circuits. Provides alarm lamp indication of unsatisfactory operation during test of AN/URN-3 and AN/GRN-9(). Similar to MX-1627/URN-3&().	Olympic Radio & TV SA-15327	USN-57-b-965	MIL-M-18338 (SHIPS)	P/O AN/GRA-34 U/W AN/URN-3

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-2230/ASQ	Error Voltage Monitor	Assists the operator of magnetic detection equipment in identification of small signals by providing an indication of aircraft altitude during the exercution of tactical problems.	Texas Instruments Inc 437200-1	N-60-1679		U/W AN/ASQ-8
MX-2230A/ASQ	Error Voltage Monitor	Monitors aircraft altitude and selected electrical equipment operation and provides signals for display on MAD recorder to aid operator in signal evaluation and compensation. Physically, electrically and functionally interchangeable with MX-2230/ASQ.	Texas Instruments Inc 437200-1	N-61-W-201		U/W AN/ASQ-8 AN/ASQ-10
MX-2231/PDR-45	Radioactive Test Sample	2.18Mev beta ray emitter; Sr-90. Provides means of checking operation of Radiacmeters IM-133/PDR-45, IM-133A/PDR-45.	Electronic Products Inc 504-227A	USN-58-b-1852		P/O AN/PDR-45,45A U/W DT-188/PDR-45 DT-188A/PDR-45
MX-2232/MRM-4	Test Adapter	Cable assembly connects to test item. Includes audio amplifier, speaker, ringing circuits, and loads. Provides facilities for connecting components of Type II Corporal Missile Ground Guidance System to test equipment.		ORDDW-54-57		P/O AN/MRM-4
MX-2233/MRM-4	Test Adapter	Connects AN/MRQ-7 with various test equipments; provides facilities for continuity tests and voltage adjustments. Provides proper voltages and loads.		ORDDW-52-57		P/O AN/MRM-4
MX-2234/MRM-4	Test Adapter	Connects PP-1122/M and CN-267/M with various test equipments; provides proper voltages and loads. Includes ac voltmeter.		ORDDW-55-57		P/O AN/MRM-4
MX-2235/MSM-15	Test Adapter	Connects AN/MSA-6 with various test equipments; provides facilities for continuity tests and voltage adjustments. Provides proper voltages and loads. Includes null voltmeter.		ORDDW-61-57		P/O AN/MSM-15
MX-2236/MSM-15	Test Adapter	Provides facilities for testing regulation of PP-1200/M and CM-298/M. Includes switches, time delay relays and 60cps standard		ORDDW-64-57		P/O AN/MSM-15
MX-2237/MSM-15	Test Adapter	Connects AN/MSA-6 with various test equipments; provides facilities for continuity test and voltage adjustment, and for dynamically testing computer components.		ORDDW-62-57		P/O AN/MSM-15
MX-2238/MSM-15	Test Adapter	Connects AM-1023/MSA-6 with various test equipments; provides loads and test jacks for voltage monitoring. Provides proper voltages to unit under test.		ORDDW-60-57		P/O AN/MSM-15
MX-2239()/GP MX-2239/GP	Delay Line	2780μsec delay. 100 to 300Mc. Replaces quartz types.				
MX-2240()/GP MX-2240/GP	Delay Line	Electromagnetic delay line: 10,000μsec time delay, 100 to 300Mc. Replaces quartz type, where small bandwidths are useable.		WL-57-R-1609		
MX-2241/PDR-10	Radioactive Test Sample	4 to 5Mev uranium, 2000 to 3000cpm alpha type. Source area: 5.0cm. Provides standard and jig for calibration of radiacmeters.	US Radium Co	USN-479		U/W AN/PDR-10 series
MX-2244()/GRM-10 MX-2244/GRM-10	Test Adapter	Printed circuit wiring extension of CV-465/URC allowing removal of IF and relay amplifiers for servicing under operating conditions.	Collins Radio	AEL-57-347	EXH: RADC-1800	P/O AN/GRM-10
MX-2250()/MPN-11D MX-2250/MPN-11D	Test Adapter	Provides test jacks, voltage control, circuitry and switching facilities for connecting CM-35/GPM to circuits under test.	Gilfillan Bros. 78241	WL-57-1361	RADC-2466A	P/O OA-1437/MPN-11D
MX-2251/BQR-2B	Test Adapter	Filter-adapter to facilitate use of AN/BQM-1 with AN/BQR-2B&2C. 100cps to 20kc. Contains transformer and filter network.	EDO Corp Burnell & Co	USN-58-n-1208	R-1808lA (SHIPS)	P/O AN/BQR-2B,2C
MX-2252/APG-51	Test Adapter	Connects dummy load to modulator 1000cps to 10Mc frequency range.	Hughes Aircraft Co 404012-100	USN		U/W AN/APG-51 DA-64/U
MX-2260/MSM-4	Electrical Meter Calibrator	Calibrates voltage and current meters in AN/MSM-4. Includes multiplying resistances, high and low range meter, variable autotransformer and power supply. 0.75% meter accuracy.		ORDDW-226-57		P/O AN/MSM-4
MX-2261/MSM-18	Test Adapter	Connects PP-1152/MSM-4 with various test equipments; provides proper voltages, loads, and facilities for continuity tests and voltage adjustments. Contains variable transformer.		ORDDW-210-57		P/O AN/MSM-18
MX-2262/MSM-18	Test Adapter	Connects AN/MSE-1 with various test equipments; provides proper voltages, loads, and facilities for continuity tests and voltage adjustments.		ORDDW-211-57		P/O AN/MSM-18
MX-2263/MSM-18	Test Adapter	Connects AN/MSM-4 with various test equipments; provides proper voltages, loads, and facilities for continuity tests and voltage adjustments. Contains 1kc square-wave generator, 0.1 to 50v output.		ORDDW-212-57		P/O AN/MSM-18
MX-2264/MSM-19	Test Adapter	Connects various test equipments to Guided Missile System Type II; provides proper signals, voltages and loads. Contains 31Mc IF amplifier test oscillator and 1kc sq-wave oscillator.		ORDDW-215-57		P/O AN/MSM-19
MX-2265/MSM-19	Test Adapter	Connects T-545/MRQ-7 and PP-1185/MRQ-7 with various test equipments; provides proper voltages, loads and facilities for voltage adjustments. Contains wattmeter and voltmeter.		ORDDW-216-57		P/O AN/MSM-19
MX-2272()/APS-T4 MX-2272/APS-T4	Audio Frequency Monitor	Intercommunications monitoring facilities: 16 monitoring channels/position, 3 positions. 250 to 7500cps. Headset indicator.	Emerson Radio AS-3420	AEL-57-375		P/O AN/APS-T4
MX-2280()/USM-77 MX-2280/USM-77	Test Prod	300vrms, max, 2 to 150Mc. Measures 1mv to 300vrms. Contains diode rectifier in chopper assembly. Similar to MX-2281/USM-77&().	Ballantine Labs	AEL-57-600	WCLN-1178A	P/O AN/USM-77
MX-2281()/USM-77 MX-2281/USM-77	Test Prod	300vrms, max; 100 to 700Mc. Measures 3mv to 300vrms. Contains diode rectifier in chopper assembly. Similar to MX-2280/USM-77&().	Ballantine Labs	AEL-57-601	WCLN-1178A	P/O AN/USM-77

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MX-2285/FQQ	Test Set Subassembly	Contains resistor assemblies, repeating coil and switches for selection of test tone for hydrophone amplifiers.	Western Electric Co GS55572	USN-57-n-1229		P/O OA-1127/FQQ-1(V) AN/FQQ-2(V)
MX-2285A/FQQ	Test Set Subassembly	Contains resistor assemblies, repeating coil and switches for selection of test tone for hydrophone amplifiers. Facilities provided for impedance matching and for increased output.	Western Electric Co, GS55572A	N-59-m-907		P/O AN/FQQ-3(V)
MX-2291( )/GPQ-T1A MX-2291/GPQ-T1A	Electrical Counter	4 figure register: to 9999 counts/sec max. Variable display time: 1 to 10 seconds or indefinitely. Counts prf of pulse generators in AN/GPQ-T1A.	Gilfillan Bros 76669	AEL-57-684		P/O MK-381/GPQ-T1
MX-2304( )/URM-7 MX-2304/URM-7	Electrical Field Interference Measuring Probe	20 to 400Mc range; capacitive coupling to interference measuring set. 50Ω impedance.	Molded Insulation 1011-57	SESA-57-1195	MIL-R-11197	
MX-2305( )/URM-7 MX-2305/URM-7	Magnetic Field Interference Measuring Probe	20 to 400Mc; used as pickup in detecting magnetic fields.	Molded Insulation 1011-56	SESA-57-1182	MIL-R-11197	
MX-2306( )/URM-7 MX-2306/URM-7	Electrical Field Interference Measuring Probe	20 to 400Mc range. Used as pick-up in detecting electric fields.	Molded Insulation 1011-553	SESA-57-1183	MIL-R-11197	
MX-2307/SDR-1	Electronic Circuit Training Aid	Shipboard trainer: simulates radiation indications by introducing signals into system, which control meter readings.	Electronic Products Inc 505-201	USN-57-b-1482	SHIPS-R-2583	P/O AN/SDR-1
MX-2322( )/GRM-11 MX-2322/GRM-11	Test Adapter	Coax connection and case 225 to 400Mc range. Connects AN/ARC-34&( ) to OA-1326/PSM&( ).	Hughes Aircraft Co 486087-100	AEL-57-873		P/O AN/GRM-11
MX-2323/UDA-1	Radioactive Test Sample	6 strontium 90-yttrium sources having activities of 1000, 5000 and 10,000dpm for check of radiac detecting element.	Isotopes Specialties	USN-57-b-1698	SHIPS-R-2279	P/O AN/UDA-1
MX-2330( )/G MX-2330/G	Oscilloscope Subassembly	Scope less plug-in vertical preamp.	Tektronic 535 Hickock Electrical Inst 902311	SESA-59-168		P/O AN/USM-81( )
MX-2333/DPM-7	Test Adapter	Provides simulated target return signal to AN/DPM-7. X-band.	Raytheon 2601-5012G1	USN-57-Q-1798		P/O AN/DPM-7
MX-2357/MSM-22	Test Adapter	Provides facilities for electrically connecting various test equipments to PU-371/D and provides proper circuit loads metering and switching facilities.		ORDDW-264-57		P/O AN/MSM-22
MX-2358/MSM-22	Test Adapter	Electrically connects M2 Artillery Guided Missile electromechanical devices to test equipments. Contains 115vdc power supply at 1.25 amperes.		ORDDW-265-57		P/O AN/MSM-22
MX-2359/MSM-25	Test Adapter	Electrically connects AM-1072/DJW-1 and AM-1510/DJW-3 with various test equipments; provides proper voltages and circuit loads. Includes facilities for phase measurements, continuity tests and voltage adjustments.		ORDDW-260-57		P/O AN/MSM-25
MX-2360/MSM-27	Test Adapter	Electrically connects PP-1169/DPW-6 and PP-1560/DPW-8 with various test equipments. Contains null voltmeter ±1000v, and 10v power supply; provides facilities for voltage metering and load adjustment.		ORDDW-271-57		P/O AN/MSM-27
MX-2361/MSM-27	Test Adapter	Electrically connects MX-1642/DPW-6, MX-2048/DPW-8, OA-722/DPW-6 and OA-1223/DPW-8 with various test equipments. Includes pulse generator, audio oscillator, electronic counter and 50cps timing standard.		ORDDW-270-57		P/O AN/MSM-27
MX-2364/GPM	Signal Generator Subassembly	Supplies monitored power to klystron tube to assist in waveguide checkout for M38 fire control systems.		USN ORDBA-0108		P/O AN/GPM-37
MX-2365/MPM-41	Test Adapter	Connects major components of AN/MPQ-25 to various test equipments. Provides voltages and loads. Contains audio oscillator, square wave generator and 3 digit counter.		ORDDW-256-57		P/O AN/MPM-41
MX-2366/MSM-28	Test Adapter	Electrically connects power supplies of CV-316/DJW-1 and CV-316A/DJW-1 to various test equipments and provides proper voltages and loads.		ORDDW-275-57		P/O AN/MSM-28
MX-2367/MSM-28	Test Adapter	Electrically connects amplifiers of CV-316/DJW-1 and CV-316A/DJW-1 with various test equipments and provides porper voltages and loads. Provides continuity and voltage test facilities and integrator networks.		ORDDW-276-57		P/O AN/MSM-28
MX-2368/MSM-28	Test Adapter	Electrically connects C-1462/DJW-1 and C-1462A/DJW-1 with various test equipments. Includes continuity test and voltage adjustment facilities, stop clock timers, selsyn.		ORDDW-277-57		P/O AN/MSM-28
MX-2369/MSM-12	Test Adapter	Electrically connects AN/DPW-6 and 8 with various test equipments and provides proper voltages and loads; continuity and voltage adjustment facilities, audio oscillator and pulse generator.		ORDDW-281-57		P/O AN/MSM-12
MX-2370( )/GJQ MX-2370/GJQ	Digital Electronic Counter	Range: 0 to 1Mc; time bases: 1μsec to 1sec; accuracy: ±1 count ±3 parts/10⁷/week. Display time: 0.05 to 5secs, or indefinitely. Binary coded output for digital printer.	AC Spark Plug 8570031	WD-57-655		P/O AN/GJQ-5,7
MX-2376( )/DJM MX-2376/DJM	Short Range Azimuth Alignment Electro-theodolite	Optical-electronic provides reference alignment of AN/DJW-5, with 400cps error signed output. Max null voltage: 1mv. Accuracy: 6 sec of arc.	AC Spark Plug 8570493	WDD-57-735		U/W AN/GJQ-7 AN/DJW-5

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MX-2376()/GVQ-3 MX-2376/GVQ-3	Short Range Azimuth Alignment Electro-theodolite	Optical-electronic; provides reference alignment of AN/DJW-5, with 400cps error signed output. Max null voltage: 1mv. Accuracy: 6 sec of arc.	Perkin Elmer Corp 7930001 AC Spark Plug	WDD-58-716		P/O AN/GVQ-3
MX-2377()/DJM MX-2377/DJM	Long Range Azimuth Alignment Electro-theodolite	Optical-electronic; provides reference alignment of AN/DJW-5&(), with 400cps error signal output. Max null voltage 2mv. Accuracy: 20sec of arc.	AC Spark Plug 8570494	WDD-57-736		U/W AN/GJQ-7 AN/DJW-5
MX-2377()/GVQ-4 MX-2377/GVQ-4	Short Range Azimuth Alignment Electro-theodolite	Optical-electronic; provides reference alignment of AN/DJW-5&(), with 400cps error signal output. Max null voltage 2mv. Accuracy: 20sec of arc.	AC Spark Plug 8570494	WDD-58-711		P/O AN/GVQ-4
MX-2378/MSM-28	Test Adapter	Electrically connects CV-316/DJW-1 and CV-316A/DJW-1 with various test equipments and provides continuity test, voltage adjustments and loads. Includes differential amplifiers and time-mark generator.		ORDDW-278-57		P/O AN/MSM-28
MX-2381()/FSG-1 MX-2381/FSG-1	Channel Relay Test Unit	A rack mounting component which, when used in power distribution and test group OA-1772/FSG-1, provides facilities for in-system accuracy and performance tests of the tracking sub-system portion of AN/FSG-1(V).	Martin Co 423-1964000	SESA-13608		OA-1772/FSG-1
MX-2386()/FSG-1 MX-2386/FSG-1	Display Generator Test Unit	Provides manual switching circuits to select waveform displayed on OS-86/FSG-1.	Martin Co 1971 American Mach & Foundry SM-E-232000	SESA-13247		P/O OA-1776/FSG-1 U/W OS-86/FSG-1
MX-2387()/FSG-1 MX-2387/FSG-1	Waveform Monitor Unit	Provides facilities for manual selection of waveform and voltage display. Includes oscilloscope, preamplifier and switches.	Martin Co 1962	SESA 13248		P/O OA-1782/FSG-1
MX-2388()/FSG-1 MX-2388/FSG-1	Sweep Generator Subassembly	Provides antenna follow-up servo system for OA-1783/FSG-1. Rotates electrical resolver with sawtooth signal input and sine-cosine resolved sweep output.	Martin Co 2345	SESA-13249		U/W AM-1857/FSG-1 SG-273/FSG-1 P/O OA-1783/FSG-1
MX-2389()/FSG-1 MX-2389/FSG-1	Crystal Tester Unit	Provides facilities for testing forward and reverse characteristics of silicon diodes, and for testing matched pairs.	Martin Co 2422	SESA-13250		P/O OA-1784/FSG-1 U/W AM-1858,59, 60/FSG-1
MX-2396()/FSG-1 MX-2396/FSG-1	Integrator Test Unit	A rack mounting component which provides facilities to test amplifier-integrator units AM-1862/FSG-1, AM-1863/FSG-1, AM-1864/FSG-1 and AM-1865/FSG-1.	Martin Co 1965	SESA-13609		P/O OA-1793/FSG-1 OA-1794/FSG-1 U/W MX-2397/FSG-1 MX-2398/FSG-1
MX-2397()/FSG-1 MX-2397/FSG-1	Channel Test Generator Unit	Receives and distributes power to tracking equipments. Provides facilities for accuracy and performance tests of tracking equipments of AN/FSG-1.	Martin Co 1961	SESA-13258		P/O OA-1793,1794/FSG-1 U/W MX-2396,2398/FSG-1
MX-2398()/FSG-1 MX-2398/FSG-1	Channel Test Monitor Unit	Provides facilities for testing outputs of tracking channel storage cells during accuracy and performance tests.	Martin Co 1963	SESA-13259		P/O OA-1793,1794/FSG-1 U/W MX-2396,2397/FSG-1
MX-2413()/GP MX-2413/GP	Delay Line	Electromagnetic type; 10μsec time delay; 30 to 500Mc.		WL-57-2452		
MX-2414/MSM-25	Test Adapter	Electrically connects AN/DRN-2 and 7 to test equipments. Produces simulated doppler signal to test radio beacon. Contains indicating devices for relay function testing.		USN-ORDDW-261-57		P/O AN/MSM-25
MX-2415()/GRM	Encoder-Simulator	Test set messages originate in tape reader or encoder; tape reader provides tape programming; simulator provides self-check.	Stromberg-Carlson Co 666002-573 7969445-G1	WDD-57-213		P/O OA-1822()/GRM-13 OA-1826()GRM-15 OA-1831()/GRM-16
MX-2415A/MRM-6	Encoder Simulator	A plug-in type of drawer in two sections; the encoder and the simulator.	General Electric 7969603G3	WDD-60-213A-57		P/O OA-1822/MRM-6
MX-2415A()/GRM MX-2415A/GRM	Encoder-Simulator	The encoder is the programmer part of the test set group. Either tape or manual method may be used. The simulator provides the test set with a means of making self checks.	General Electric 7969445G1	WDD-60-140		P/O OA-1824/GRM OA-1822/GRM-13
MX-2417()/GRM-6 MX-2417/GRM-6	Message Register	Receives, stores and transmits information to acceleration register from encoder simulator.	General Electric 7969069G4	WDD-60-215A-57		P/O OA-1822/MRM-6
MX-2419()/GRQ-2	Error Signal Corrector	Corrects tracking error by means of servomechanisms.	General Electric PL7306482G1	WDD-57-260		P/O OA-1833()/GRQ-2
MX-2421()/GRQ-2	Antenna-Radome Rotation Monitor	Monitors radome and antenna azimuth correspondence.	General Electric PL7610668G2	WDD-57-278		P/O OA-1834()/GRQ-2
MX-2422()/GRQ-2	Tracking Error Monitor	Monitors correspondence between track antenna position and aiding tracker position.	General Electric PL7610668G1	WDD-57-281		P/O OA-1834()/GRQ-2
MX-2424()/GRQ-2 MX-2424/GRQ-2	Angle Data Extraction Group Subassembly	Provides basic check-out function for angle data registers.	General Electric PL7610779G1	WDD-57-312A		P/O OA-1836/GRQ-2
MX-2436/SPG-51	Audio Frequency Monitor	Monitors audio signals; received filtered and unfiltered signals from OA-1859/SPG-51. Supplies 2 rate reference voltages to MK-118, Model C.	Raytheon YJ-3151-500G1	USN-58-d-1644		P/O OA-1858/SPG-51 AN/SPG-51
MX-2458()/GSQ-33 MX-2458/GSQ-33	Range Electronic Counter	Provides digital output representing range.	Burroughs Corp DCS/4-01-11	WDD-58-968R		P/O CP-409/GSQ-33
MX-2459()/GSQ-33 MX-2459/GSQ-33	Synchronizing Electronic Counter	Establishes time reference between CP-409/GSQ-33&() and AN/URW-12().	Burroughs Corp DCS/4-01-15	WDD-57-974		P/O CP-409/GSQ-33

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MX-2460()/GSQ-33 MX-2460/GSQ-33	Electronic Time Base Counter	Counts time base signal from AN/URW-12(). Tracking equipment.	Burroughs Corp DCS/4-01-16	WDD-58-971R		P/O CP-409/GSQ-33
MX-2482()/GSQ-33 MX-2482/GSQ-33	Reader-Recorder Test Module	Used to test the operation of the recorders individually.	Burroughs Corp 02-25	WDD-57-1049		P/O OA-1899/GSQ-33
MX-2483()/GSM-19 MX-2483/GSM-19	Plugboard	Plugboard package for test set; provides interconnection between input circuits, resistor banks, networks, program switches and packet pins.	Burroughs Corp DCS/4-26-02	WDD-58-1049R		P/O AN/GSM-19
MX-2484()/GSM-19 MX-2484/GSM-19	Pulse Generator Subassembly	Contains input and output transistor circuitry necessary to test all packet types.	Burroughs Corp DCS/4-26-05	WDD-58-1052R		P/O AN/GSM-19
MX-2485()/GSM-16 MX-2485/GSM-16	Impedance Matching Network	Matches non-standard outputs of test package to DCTL comparator circuits of AN/GSM-16.	Burroughs Corp DCS/4-27-02	WDD-58-1018R		P/O AN/GSM-16
MX-2486()/GSM-16 MX-2486/GSM-16	Impedance Matching Network	Matches non-standard outputs of test package to DCTL comparator circuits of AN/GSM-16.	Burroughs Corp DCS/4-27-03	WDD-58-1019R		P/O AN/GSM-16
MX-2487()/GSM-16 MX-2487/GSM-16	Plugboard	Programs input and output connections to test package.	Burroughs Corp DCS/4-27-05	WDD-58-1021R		P/O AN/GSM-16
MX-2494()/DJM-7 MX-2494/DJM-7	Test Adapter	Connects unit under test to test set; 2 connectors provided.	AC Spark Plug 7900253	WDD-57-697		P/O AN/DJM-7
MX-2511()/GKA-5 MX-2511/GKA-5	Impedence Matching Network	Provides impedence matching and multiplexing for telephone line simulator inputs. Passes 1300cps signal of 2.2p-pv and 3.7ma magnitude into its 600Ω Z.	Radio Corp of Amer 8313589-501	WL-59-R-2165	MIL-F-9687	P/O OA-1024/GKA-5
MX-2517()/U MX-2517/U	Test Prod	Divides input dc voltages up to 30kv by 100. 5% accuracy. 12MΩ impedance. Used with VTVM.	Hewlett-Packard 459A	SESA-58-149	DP412A	U/W ME-26A/U
MX-2532/URM-26A	Test Adapter	70Ω PI fixed attenuator assembly.	Continental Electronics CEC-B-26252	N-58-X-1079	MIL-S-15463A (SHIPS)	U/W AN/URM-26A
MX-2543()/GRQ-2	Tracking Error Monitor	Monitors correspondence between track antenna position and aiding tracker position.	General Electric PL7610668G3	WDD-58-17		P/O OA-1834()/GRQ-2
MX-2544()/GRQ-2	Test Set Subassembly	Panel is designed to test noise figure in the receiver cabinet.	General Electric	WDD-58-23		P/O OA-1988()/GRQ-2
MX-2546()/GRM-18	Missile Guidance Monitor	Electrically monitors missile guidance systems and provides proper display functions.	General Electric 796974G1	WDD-58-42		P/O AN/GRM-18()
MX-2548()/GRQ-2 MX-2548/GRQ-2	Voltage Deviation Monitor	Provides visual indication when voltages deviate from predetermined value.	General Electric 7310006G1	WDD-58-87		P/O OA-1993()/GRQ-2
MX-2550()/GRQ-2 MX-2550/GRQ-2	Multi-range Shunt-Instrument	Switches the crystal current meter in order to read 7 different crystal currents.	General Electric 7717953G1	WDD-62-235		P/O RF-86/GRQ-2
MX-2570()/U	Waveguide Probe	For measuring or detecting RF power in the band of 3.95 to 5.85kMc.	Hewlett-Packard G485P	SESA-58-177		
MX-2571()/U	Waveguide Probe	For measuring or detecting RF power in the band of 5.3 to 8.2kMc.	Hewlett-Packard J485B	SESA-58-178		
MX-2595()/ARR-39 MX-2595/ARR-39	Test Adapter	Used to test all printed circuit boards of signal data converter for Receiving Set, Radio AN/ARR-39().	General Electric 7437206G1	AEL-58-364		P/O OA-2023/ARR-39
MX-2596()/ARR-39 MX-2596/ARR-39	Test Adapter	Used to test printed circuit boards of Coupler, Indicator CU-469/ARR-39A.	General Electric 7437212G1	AEL-58-365		P/O OA-2023/ARR-39
MX-2608/PDR-43	Radioactive Test Sample	Used to check operation of radiacmeter.	Electronic Products Inc	N-58-b-1507		P/O AN/PDR-43
MX-2613/FPN-38	Phase Monitor	100kc. Equivalent to Hewlett Packard Oscilloscope Model 120AR. Used to synchronize and check the timer.	Sperry Gyroscope Co 1200106 (40661-C-OSCM)	USN-58-ac-1720		P/O OA-2066/FPN-38 OA-2067/FPN-38
MX-2621()/FPN-34 MX-2621/FPN-34	Monitor Subassembly	Provides mounting facilities for other components of system as well as indications of noise figure, VSWR, and power output.	Bendix Aviation R650747-1	WL-59-R-1028	RADC 2475A	P/O OA-2072/FPN-34
MX-2656/DSM-32	Test Adapter	Acts as target by radiating coded simulated target information to the missile under test.	Dumont Labs 9400 0931	N-58-ah-2099	MIL-T-21209 (AER)	P/O AN/DSM-32
MX-2661()/GPA-23A MX-2661/GPA-23A	Command Signal Calibrator	Calibrates the command speed and altitude voltages received from the console assignment panel.	General Electric 7305337G1	WL-58-2285	MIL-I-9624	P/O OA-1046A/GPA-23
MX-2676()/GRS-1 MX-2676/GRS-1	Panel Confidence Circuit	Samples critical voltages in individual sub-system units to provide for the prediction and correction of operational faults.	General Electric PL7310025G1	WDD-62-239		P/O OA-2165/GRS-1
MX-2681()/UP MX-2681/UP	Test Lead	Test lead with built in attenuation of 1:1, 10:1 and 100:1.	Admiral Corp GD1680 2	N-59-b-32		P/O AN/UPM-4C,69,98 U/W AN/UPX-12
MX-2683/USM-96	Bolometer Mount Adapter	Used in making RF power measurements. Range 1mw with wire element and 50mw with film element.	Bruno Inc 94EM	SESA-59-112		P/O AN/USM-96
MX-2691()/U	Electrical Instrument Multiplier	Used to extend the ac voltage range of multitester ME-26()/U to maximum of 2000 volts.	Hewlett-Packard HP-453A	SESA-58-226		
MX-2697()/FST-2 MX-2697/FST-2	Test Adapter	Provides a means by which test points are made readily available without the use of clip leads.	Burroughs Corp DRA 80166-501	CRC-58-297	MIL-E-4158A	U/W AN/FST-2

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MX-2698()/FSG-2 MX-2698/FST-2	Test Adapter	Provides a means by which test points are made readily available without the use of clip leads.	Burroughs Corp DRA 80175-501	CRC-58-298	MIL-E-4158A	U/W AN/FST-2
MX-2703/U	Mobile Oscilloscope Stand	Support for Tektronix 5 inch Oscilloscope. 20° back tilt of top surface. Has 2 supporting cradles, convenience outlets, and a felt lined drawer.	Tektronix Inc 500/53A	SIMSA-62-2818		
MX-2703A/U	Mobile Oscilloscope Stand	Mobile support for Tektronix 5 inch Oscilloscope. 20° back tilt of top surface.	Tektronix Inc 500/53A	SIMSA-62-1352		
MX-2717()/G	Test Adapter	Mechanical jig; enables card to be operated in its circuit while elevated to provide access for test purposes.Contains 43 printed conducting strips.	Hughes Aircraft Co 558039	EMSA-63-36		U/W AN/MSQ-18 AN/TSQ-38 AN/FSQ-349 OA-1593/MSQ OA-2789/TSQ-34 OA-2926/FSQ-34 FSC-6625
MX-2719/SPG-55	Test Set Subassembly	A unity gain differential amplifier used for injecting test signals into closed servo loops.	Sperry Gyroscope Co 1002295	N-9-d-781		P/O AN/SPG-55
MX-2721/USM-105	Oscilloscope Subassembly	Cancelled 11 September 1959.		N-59-x-2010		
MX-2722/USM-105	Oscilloscope Subassembly	Cancelled 14 September 1959.		N-59-x-2011		
MX-2732()/GRS-1 MX-2732/GRS-1	Test Adapter	Provides a 70Ω termination and crystal detection for monitoring the output of the receiver by attaching to Tektronix scope.	General Electric PL7206421	WDD-59-35		U/W AN/GRS-1
MX-2742/ASA-32	Aircraft Accelerometer	Senses acceleration of the aircraft in a direction perpendicular to the plane of the aircraft wings.	General Electric 197C281G2	N-59-Q-1066		P/O AN/ASA-32
MX-2743/ASA-32	Aircraft Accelerometer	Senses lateral accelerations of the aircraft and provides a signal to the autopilot proportional to the lateral acceleration.	General Electric 197C282G2	N-59-Q-1067		P/O AN/ASA-32
MX-2744/ASA-32	Aircraft Accelerometer	Senses acceleration of the aircraft in a direction perpendicular to the plane of the wings.	General Electric 197C283G10	N-59-Q-1068		P/O AN/ASA-32
MX-2749()/FSW-9 MX-2749/FSQ-9	Electrical Counter Assembly	This chassis of counters serves to log the operation of mechanical portions of the launcher system.	Amer Mach & Foundry 59-206-1451	WDD-59-2812		P/O OA-2323/FSW-9
MX-2750()/FSW-9 MX-2750/FSW-9	Test Adapter	Mounts receptacles which change color to signal proper order of inserting the plugs.	Amer Mach & Foundry 59-206-1745	WDD-59-R-2840		P/O AN/FSW-9
MX-2765()/URM	Signal Generator Subassembly	Plug in unit provides 1700 to 2400Mc ±0.5% in one band, 1 to 100,000 microvolts ±1.5dbm.		SEL-59-155		P/O AN/URM-121() 122() U/W MD-360()/URM
MX-2766()/URM	Signal Generator Subassembly	Plug in unit provides 4300 to 5100Mc ±1% in one band, 1 to 100,000 microvolts ±2db.		SEL-59-156		P/O AN/URM-121() 123() U/W MD-360()/URM
MX-2780()/GRM MX-2780/GRM	Electronic Counter Subassembly	U/W MX-2781/GRM to count the messages sent to the modulator in the RF section. Previously type number was MX-2780/GRM-20&().	National Company Inc G9998436P1	WDD-59-R-168		P/O OA-2359/GRM
MX-2781()/GRM MX-2781/GRM	Electronic Counter Subassembly	U/W MX-2780/GRM to count the messages sent to the modulator in the RF section.	National Company Inc	WDD-59-R-169		P/O OA-2359/GRM
MX-2784()/GRM MX-2784/GRM	Analyzer Subassembly	Provides all the functions necessary to evaluate the results of a normal test and provide these results for display.	National Company Inc	WDD-59-R-182		P/O OA-2360/GRM
MX-2785()/GRM MX-2785/GRM	Analyzer Subassembly	Provides all the functions necessary to evaluate the results of a normal test and provide these results for display.	National Company Inc 9999444G1	WDD-59-R-183		P/O OA-2360/GRM
MX-2786()/GRM MX-2786/GRM	Analyzer Subassembly	Provides all the functions necessary to evaluate the results of a normal test and provides these results for display.	National Company Inc C9998445P1	WDD-59-R-184		P/O OA-2360/GRM
MX-2787()/GRM MX-2787/GRM	Comparator Subassembly	Provides comparison checks of all dc voltages of system under test. Also provides phase comparing checks of pitch and yaw.	National Company Inc 7320132G1	WDD-59-R-275		P/O OA-2362/GRM
MX-2788()/GRM MX-2788/GRM	Comparator Subassembly	Provides comparison checks of all dc voltages of system under test. Also provides phase comparing checks of pitch and yaw.	National Company Inc 7320190G1	WDD-59-R-276		P/O OA-2362/GRM
MX-2789()/GRM MX-2789/GRM	Comparator Subassembly	Provides comparison checks of all dc voltages of system under test. Also provides phase comparing checks of pitch and yaw.	National Company Inc D9999213G1	WDD-59-R-200		P/O OA-2362/GRM
MX-2809()/G	Test Adapter	Enables card to be operated in its circuit while elevated to provide access for test purposes. Contains 18 printed conducting strips.		EMSA-63-69		U/W AN/TSQ-38 OA-2789/TSQ-38 AN/FSQ-34 OA-2926/FSQ-34 FSC-6625
MX-2810()/G	Test Adapter	Enables card to be operated in its circuit while elevated to provide access for test purposes. Contains 5 printed conducting strips.		EMSA-63-70		U/W AN/TSQ-38 OA-2789/TSQ-38 AN/FSQ-34 FSC-6625
MX-2817/U	Test Prod	For voltage(1000rvms max), frequency, and waveform measurements.	Hewlett-Packard AC-21A	N-59-X-1535		P/O DP-412A U/W AN/USM-105 OS-82/USM-105
MX-2819()/DJM-9 MX-2819/DJM-9	Test Adapter	Connects Amplifier Test Set AN/DJM-9 to unit under test for squadron level maintenance purposes.	AC Spark Plug 7918254	WLD-59-716		P/O DP General U/W AN/DJM-9
MX-2822()/APM-125 MX-2822/APM-125	Delay Line	Cancelled 31 March 1960.		AEL-59-409		P/O AN/APM-125
MX-2848/URM-124	Test Adapter	Enables test of five printed subassemblies of CV-465A/URC.	Collins Radio 522 8991 004	USN-59-T-1775	USAF RADC-1800A	P/O AN/URM-124

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MX-2849()/FPT-2 MX-2849/FPT-2	Pulse Generator Subassembly	Part of circuitry required for over-all functions of modulator system.	Radio Corp of Amer 8305005-501	WL-59-R-1917		P/O AN/FPT-2 BMEWS
MX-2850/FGA-4	Open Line Telegraph Alarm	Provides visual and audible alarm when any channel goes open.	Stelma Inc D3587	SESA-59-2415		P/O AN/FGA-4
MX-2851()/FPT-2 MX-2851/FPT-2	Subassembly Pulse Generator	Triggers storage energy thru pulse forming network into primary of pulse transformer.	Radio Corp of Amer 8306538	WL-59-1795		P/O AN/FPT-2
MX-2855()/FST-2B MX-2855/FST-2B	Test Coder Message Register	Registers and holds output messages until shifted to the direction centers and generates simulated target codes for testing machine.	Burroughs Corp DRC 78196	CRC-59-215		P/O OA-2444/FST-2B
MX-2869/ARN	Test Set Subassembly	Mechanical adapter to hold indicators etc during bench testing.	Aircraft Radio Corp 22059	SESA-59-233		P/O MK-252/ARN
MX-2873()/DJW-4 MX-2873/DJW-4	Gyro-Stabilized Platform	To maintain a luanch point earth reference and to measure velocity during missile takeoff.	Airadio Corp 8557770	AEL-59-645		P/O AN/DJW-4
MX-2875()/FPT-2 MX-2875/FPT-2	Overvoltage Monitor	Provides protection for high voltage components of driver and HPA stage.	Radio Corp of Amer 8312258-501	WL-59-1913		P/O AN/FPT-2 BMEWS
MX-2880()/GSM-31 MX-2880/GSM-31	Subassembly Test Set	Used to isolate the computer test signals to prevent loading.	Crosley 614194	CRC-59-264		P/O AN/GSM-31
MX-2881()/GSM-31 MX-2881/GSM-31	Test Set Subassembly	Used in the static and operational check of the Control Computer C-2963/GSN-11&().	Crosley 613929	CRC-59-265		P/O AN/GSM-31
MX-2882()/GSM-31 MX-2882/GSM-31	Test Set Subassembly	Used in the static and operational check of the Signal Comparator CM-147/GSN-11.	Crosley 614494	CRC-59-267		P/O AN/GSM-31
MX-2910()/FSG-1 MX-2910/FSG-1	Sweep Generator Subassembly	Provides an antenna follow-up servo system when used in conjunction with Electronic Control Amplifier AM-1857/FSG-1.	Martin Co 2345200	SESA-13522		P/O OA-2530/FSG-1
MX-2916A/ASW	Aircraft Accelerometer	Senses lateral acceleration, and feeds output to yaw actuator which controls the rudder.	Sperry Phoenix Co 2585006-2	SIMSA-61-1005		P/O AN/ASW-12(V)
MX-2917()/ASW-12(V) MX-2917/ASW-12(V)	Calibration Unit	Plugs into Rotary Electro-Mechanical Actuator TG-78()/ASW-12 and sums and modifies input signals to the roll actuator.	Sperry Gyroscope Co 2585013-21	SESA-59-2569		P/O AN/ASW-12(V)
MX-2918()/ASW-12(V) MX-2918/ASW-12(V)	Calibration Unit	Sums and modifies input signals to the Pitch Actuator TG-79()/ASW-12. P/O automatic flight control system.	Sperry Gyroscope Co 2585013-22	SESA-59-2570		P/O AN/ASW-12(V)
MX-2919()/ASW-12(V) MX-2919/ASW-12(V)	Calibration Unit	Sums and modifies input to the Yaw Actuator TS-80()/ASW-12.	Sperry Gyroscope Co 2585013-23	SESA-59-2571		P/O AN/ASW-12(V)
MX-2923()/GSS-2 MX-2923/GSS-2	Test Adapter	Provides facilities for connecting a module to external test bench circuits and also allows the module to be operated outside its console.		WL-59-1993		U/W AN/GSS-2
MX-2927()/UP	Recorder Processor-Viewer	Cathode ray tube trace camera recorder.	Motorola Inc 201-30624	SESA-60-2263		P/O AN/TKQ-1() U/W AN/ARS-94()
MX-2930/USM	Dual Trace Preamplifier Vertical Channel Oscilloscope Subassembly	Response to 3db: dc to 14Mc; rise time: 0.025μsec; sensitivity: 0.02 to 20v/cm ±5% in ten steps; input Z: 1.0MΩ//30mmf.		N-62-X-2663 SESA-57-1150		P/O AN/USM-105
MX-2930A/USM	Dual Trace Preamplifier Vertical Channel Oscilloscope Subassembly	Same description as MX-2930/USM. Contains broader tolerance components and modified printed circuitry.	Hewlett-Packard 162A(V) Hickok Electrical Inst 1804A-2	N-62-X-2662	MIL-O-22237	
MX-2931/USM	High Gain Preamplifier Vertical Channel Oscilloscope Subassembly	Response to 3db: dc to 14Mc; rise time: 0.025μsec; sensitivity: 0.005 to 20.0v/cm ±5% in twelve steps; input Z: 1.0MΩ//30mmf. P/O DP Gen Pattern.	Hewlett-Packard 162D(N)	N-62-X-2665		U/W OS-82/USM-105
MX-2943()/APX MX-2943/APX	Transponder Monitor Module	Provides visual indications when certain IFF modes are presented.	Hazeltine Electronics A101095	AEL-59-1060		P/O AN/APX-46(V)
MX-2962/USM	Variable Time Delay Horizontal Channel Oscilloscope Subassembly	Plug-in. Delaying sweep: 1sec/cm to 2μsec/cm, 18 positions. Trigger delay: 0 to 10cm. Positive trigger output pulse, 8 to 10v. 1MΩ input Z.	Hewlett-Packard 166D(N) Hickok Electrical Inst 1804A-7	N-62-X-2666	SHIPS-0-2955	
MX-2964()/GSM MX-2964/GSM	Test Set Programmer Adapter	Matrix provides connection between equipment under test and test set.	Convair 27-38715-1	WDD-59-2033		U/W OA-2131/GSM
MX-2977()/GSM MX-2977/GSM	Test Adapter	Permits various tests to be made on the arm switch consecutively without having to disconnect the test set-up.	Convair 27-51154-3	WDD-59-2187		
MX-2981/U	Lead Set	Used with ohmmeter when taking resistance measurements.		ORDBA-0275		P/O AN/TSM-13
MX-2988()/FPT-2 MX-2988/FPT-2	Maintenance Platform	Used for maintenance of magnetrons.	Radio Corp of Amer 8603805-501	WL-59-2250		P/O AN/FPT-2 BMEWS

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MX-2989()/FPT-2 MX-2989/FPT-2	Cavity Head Maintenance Stand	Used to mount cavity head while tube is being tested or changed.	Radio Corp of Amer 8715733-1	WL-59-2252		P/O AN/FPT-2 BMEWS
MX-2995/USM-117	Dual Trace Preamplifier Vertical Channel Oscilloscope Subassembly	Y-axis: 1kc to 5Mc (-3db), 50mv/div to 50v/div. Input Z: 1MΩ//30μμf. Modes: dual, alternate, chopped, and differential. Channels are identical.	Electronic Tube Corp	N-60-X-202	SHIPS-3284	U/W AN-USM-117
MX-2996/USM-117	Vertical Channel Oscilloscope Subassembly	Response: to 5Mc down 3db; reproduces 1cps to 200kc square wave. Sensitivity: 10mv/div ac, 100mv/div dc. Input Z: 1MΩ//30μμf.	Electronic Tube Corp	N-60-X-203	SHIPS-0-3284	P/O AN/USM-117
MX-3001/GPA-91	Test Prod	A probe for use with an oscilloscope for waveform observation.		N-60-b-278		P/O AN/GPA-91
MX-3006()/DRM MX-3006/DRM	Antenna Test Hood	Provides shield and signal path for signal being fed from the missile guidance set to the test set.	Western Electric Co G-319247	WDD-59-3143		U/W AN/DRM-5 thru 9
MX-3008A/FPS-26	Control Indicator Subassembly	Controls the antenna in azimuth manually, and the selection of remote control positions of the antenna. Selects various waveforms for monitoring.	Crosley 751745	WL-62-1983		P/O OA-2688A/FPS-26
MX-3009()/FPT-2 MX-3009/FPT-2	Pulse Generator Subassembly	Triggers storage energy through pulse forming network into primary of pulse transformer.	Radio Corp of Amer 8305816-501	WL-60-1323		P/O AN/FPT-2
MX-3015()/FPS-61 MX-3015/FPS-61	Waveguide Probe	1250 to 1350Mc. Monitors power into Diplexer TD-354/FPS-61 for null meter indication.	Raytheon YC3826-5002G1	SIMSA-62-2619		P/O MK-678/FPS-61 AN/FPS-61
MX-3017()/FPS-61 MX-3017/FPS-61	Delay Line Assembly	2.9 to 3.0msec delay at 9 ±0.25Mc. One delay line forms the delay network of the MTI cancellor circuit and the second forms the delay network of the video integrator circuit.	Raytheon 363-2274P1	SIMSA-62-2557		P/O MK-669/FPS-51 CM-169/FPS-61 AN/FPS-61
MX-3033()/UAM-10 MX-3033/UAM-10	Test Set Adapter	Simulates interconnection cabling to allow for fault isolation.	Minneapolis-Honeywell DUG 1131A1	AEL-60-284		P/O AN/UAM-10
MX-3036A/FPS-26	Electrical Connector Assembly	Connects incomming and outgoing signals from the control indicator group and 28vdc and 120vac to the group.	Crosley 751748	WL-62-2226		P/O OA-2697/FPS-26
MX-3055()/GLA MX-3055/GLA	Electrical Test Panel	Provides a ready means of access for the remote testing of the video and trigger signals.	Airborne Inst Lab 178614-1	WL-60-1693	MIL-V-26435	P/O AN/GLA-8
MX-3056()/FPS-35 MX-3056/FPS-35	Electrical Test Panel	Provides means of access for remote testing of video and trigger signals.	Airborne Inst Labs 178614-2	WL-60-1694	MIL-V-9667	P/O OA-1919/FPS-35
MX-3057/USM-10	Dual Trace Verticle Channel Oscilloscope Subassembly	Oscilloscope preamplifier with an electronic switch and associated equipment to convert a single beam to a dual trace unit.	Tektronix Inc MC	N-60-X-605		P/O AN/USM-120
MX-3057()/USM-120 MX-3057/USM-120	Dual Trace Preamplifier Vertical Channel Oscilloscope Subassembly	dc to 24Mc ±3db. 0.015μsec dc rise time. Sensitivity: 0.05 to 20v/cm. Input Z is 1MΩ//20μμf.	Tektronics Inc MC	N-61-X-2086		P/O AN/USM-120 AN/USM-151
MX-3058()/U MX-3058/U	Test Prod	For voltage, frequency and waveform measurement.	Tektronix Inc M6000	N-60-X-606		U/W AN/USM-120
MX-3078/USM	Auxiliary Plug-in Unit Horizontal Channel Oscilloscope Subassembly	Plug in. Provides trigger input, Z-axis, and single sweep arming input connections needed for operating compatible scope w/o sweep delay or recorder functions.	Hickok Electrical Inst 1804A-6 Hewlett-Packard 166A(V)	N-62-X-2664	MIL-0-22237 (SHIPS)	
MX-3085()/FPS MX-3085/FPS	Target Simulator Subassembly	Produces simulated radar targets for aligning PPI radar.	Bendix Aviation R650940-1	WL-60-1452	MIL-M-26449	P/O AN/FPA-11
MX-3086()/FPS MX-3086/FPS	Target Simulator Subassembly	Produces simulated radar targets for aligning PPI radar.	Bendix Aviation R650941-1	WL-60-1453	MIL-M-26449	P/O AN/FPA-11
MX-3093()/GSM MX-3093/GSM	Test Set Group Programmer Adapter	U/W Test Set Group OA-2131/GSM to permit identification of and connection to the circuit under test. Includes programmed plugboards to provide desired testing sequence.	Convair 27-38715-803	WDD-60-2058		
MX-3097()/GJQ-8 MX-3097/GJQ-8	Test Adapter	Connects removed drawers to their mating cabinet connectors and a power supply and to Alignment Countdown Set Test Set AN/GJM-5 for testing circuitry.	American Bosch-Arma 2-00044-018	WDD-60-516		U/W OA-2184/GJQ-8
MX-3107()/TPQ-13 MX-3107/TPA-13	Range Indicator Calibrator	Tests the radar set by providing artifical target echoes.	Sperry Gyroscope Co 1034581	SESA-60-2362		P/O OA-2870/TPQ-13
MX-3119()/GRW-5 MX-3119/GRW-5	Antenna Position Error Monitor	Cancelled 13 October 1960.		AEL-60-G-1006		
MX-3129/GPM-45	Recorder Subassembly	Plots and records radiation patterns of antennas and other radiating devices.	Scientific Atlanta APRM-20	SESA-60-2436		P/O AN/GPM-45
MX-3159/USM-86A	Power Sensing Subassembly	Receives ac input signals proportional to current in power source circuit by the use of current transformers.	Amer Mach & Foundry 106-113-4300	N-60-T-1132		P/O AN/USM-86A U/W ID-865/USM-86A
MX-3159/USM-131	Power Sensing Unit	Receives ac input signals proportional to current in power source circuit by use of current transformers.	Amer Mach & Foundry 106-113-4300	N-60-T-1764		P/O AN/USM-131 U/W ID-865/USM-131

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MX-3169/USM-129	Coaxial Universal Microwave Calibrator	950 to 2000Mc; measures frequency of an active source, frequency response of a passive device, peak power of a pulsed signal source average power, attenuation, and VSWR.		ORDBA-0283		P/O AN/USM-129
MX-3169A/USM-129	Coaxial Universal Microwave Calibrator	Same description as MX-3169/USM-129. Two-way interchangeable except for maintenance parts.		SMUFA-63-0328		P/O AN/USM-129A
MX-3170/USM-129	Coaxial Universal Microwave Calibrator	1950 to 4000Mc; measures frequency of an active source, frequency response of a passive device, peak power of a pulsed signal source average power, attenuation, and VSWR.		ORDBA-0284		AN/USM-129
MX-3170A/USM-129	Coaxial Universal Microwave Calibrator	Same discription as MX-3169/USM-129. Two-way interchangeable except for maintenance parts.		SMUFA-63-0329		P/O AN/USM-129A
MX-3171/USM-129	Coaxial Universal Microwave Calibrator	3950 to 8200Mc; measures frequency of an active source, frequency response of a passive device, peak power of a pulsed signal source, average power, attenuation, and VSWR.		ORDBA-0286		P/O AN/USM-129
MX-3171A/USM-129	Coaxial Universal Microwave Calibrator	Same description as MX-3171/USM-129. Two-way interchangeable except for maintenance parts.		SMUFA-63-0330		P/O AN/USM-129A
MX-3172/USM-129	Waveguide Universal Microwave Calibrator	8200 to 12,400Mc; measures frequency of an active source, frequency response of a passive device, peak power of a pulsed signal source, average power, attenuation, and VSWR.		ORDBA-0286		P/O AN/USM-129
MX-3172A/USM-129	Waveguide Universal Microwave Calibrator	Same description as MX-3172/USM-129. Two way interchangeable except for maintenance parts.		SMUFA-63-0331		P/O AN/USM-129A
MX-3173/USM-129	Waveguide Universal Microwave Calibrator	12.4 to 18.0kMc; measures frequency of an active source, frequency response of a passive device, peak power of a pulsed signal source, average power, attenuation, and VSWR.		ORDBA-0287		P/O AN/USM-129
MX-3173A/USM-129	Waveguide Universal Microwave Calibrator	Same discription as MX-3173/USM-129. Two-way interchangeable except for maintenance parts.		SMUFA-63-0332		P/O AN/USM-129A
MX-3174/USM-129	Waveguide Universal Microwave Calibrator	18.0 to 26.5kMc; measures frequency of an active source, frequency response of a passive device, peak power of a pulsed signal source, average power, attenuation, and VSWR.		ORDBA-0288		P/O AN/USM-129
MX-3174A/USM-129	Waveguide Universal Microwave Calibrator	Same description as MX-3174/USM-129. Two-way interchangeable except for maintenance parts.		SMUFA-63-0417		P/O AN/USM-129A
MX-3175/USM-129	Waveguide Universal Microwave Calibrator	26.5 to 40.0kMc; measures frequency of active source, frequency response of passive device, peak power of a pulsed signal source, average power, attenuation and VSWR.		ORDBA-0289		P/O AN/USM-129
MX-3175A/USM-129	Waveguide Universal Micrwoave Calibrator	Same description as MX-3175/USM-129. One-way interchangeable.		SMUFA-63-0334		P/O AN/USM-129A
MX-3176/USM-129	Plug-In Signal Source	Provides source of radio frequency power; 18 to 59.22kMc.		ORDBA-0290		P/O AN/USM-129
MX-3177/USM-129	Plug-In Signal Source	Provides a source of radio frequency power; 22 to 25kMc.		ORDBA-0291		P/O AN/USM-129
MX-3178/USM-129	Plug-In Signal Source	Provides a source of radio frequency power; 24 to 27.8kMc.		ORDBA-0292		P/O AN/USM-129
MX-3179/USM-129	Plug-In Signal Source	Provides a source of radio frequency power; 27.8 to 32.2kMc.		ORDBA-0293		P/O AN/USM-129
MX-3180/USM-129	Plug-In Signal Source	Provides source of radio frequency power; 32 to 37.5kMc.		ORDBA-0294		P/O AN/USM-129
MX-3181/USM-129	Plug-In Signal Source	Provides source of radio frequency power.		ORDBA-0295		P/O AN/USM-129
MX-3183A/ASA-16	Marker Storage Power Supply	Furnishes the input power to the indicator in the indicator group, generates and stores voltages proportional to the marker position.	Texas Istrument Inc 455601-1	N-62-W-830		P/O AN/ASA-16A
MX-3185/USM-86A	Frequency Sensing Unit	Converts frequency input (ac) to a voltage (dc) suitable to drive an indicating galvanometer.	Amer Mach & Foundry 106-113-4400	N-60-T-1357		P/O AN/USM-86A U/W ID-865/USM-86A
MX-3185/USM-131	Frequency Sensing Unit	46 to 54, 56 to 64 and 380 to 420cps are monitored and converted to dc to drive RO-148/USM-86A. P/O Engine Generator Analyzer AN/USM-86A. Derives power from ID-865/USM-131.		N-60-T-1765		P/O AN/USM-86A U/W ID-865/USM-131
MX-3194()/ARM-41 MX-3194/ARM-41	Test Adapter	Adapts Radio Test Set AN/ARM-41&()to test five printed sub-assemblies of the Mixer Oscillator CV-465/URC&().	Collins Radio 522-6130-004	AEL-60-715		P/O AN/ARM-41

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-3232()/MLM-1 MX-3232/MLM-1	Test Adapter	An electrical test adapter used in interconnecting the Electronic Reconnaissance System Test Set AN/MLM-1 to the Electronic Reconnaissance Set AN/ALD-4(V).	Melpar Inc	AEL-60-747		P/O AN/MLM-1
MX-3233()/MLM-1 MX-3233/MLM-1	Test Adapter	An electrical test adapter used in interconnecting the Electronic Reconnaissance System Test Set AN/MLM-1 to the Electronic Reconnaissance Set AL/ALD-4(V).	Melpar Inc	AEL-60-748		P/O AN/MLM-1
MX-3249()/MSM-42 MX-3249/MSM-42	Punched Tape Reader	Reads and controls and controls a taped input to computer through the input buffer register.	Airborne Inst Lab LRU-6-32	AEL-60-698		P/O AN/MSM-42
MX-3250()/MSM-42 MX-3250/MSM-42	Data Storage Magnetic Drum	Stores permanent program data and temporary instruction data for the computer.	Bryant Chucking 512B	AEL-60-706		P/O AN/MSM-42
MX-3252/FQQ-2(V)	Test Set Subassembly	Provides distribution of the necessary test signals and interconnecting of the unit under test to the available test instruments. Similar to Test Set Subassembly MX-2221/FQQ-2 except for wiring; not interchangeable.	Western Electric Co GS-56334L2	N-60-n-1531		P/O AN/FQQ-2(V)
MX-3277()/AJN-10 MX-3277/AJN-10	Gyro Stabilized Platform	Establishes an earth platform by means of a gyro stabilized platform.	AC Spark Plug 7855673	AEL-60-875		P/O OA-1092/AJN-10
MX-3282()/FPS-26 MX-3282/FPS-26	Control-Monitor Subassembly	Supplies and controls ac filament power for components of OA-3021/FPS-26&().	Crosley 743284	WL-60-3079	MIL-R-9691A (USAF)	P/O OA-3021/FPS-26
MX-3297()/USM-129 MX-3297/USM-129	Coaxial Universal Microwave Calibrator	300 to 1000Mc; measures frequency of active source, frequency response of passive device, peak power of a pulsed signal source, average power, attenuation and VSWR.		ORDBA-62-0298		P/O AN/USM-129
MX-3297A/USM-129	Coaxial Universal Microwave Calibrator	Same description as MX-3297/USM-129. Two way interchangeable except for maintenance parts.		SMUFA-63-0327		P/O AN/USM-129A
MX-3307()/DJW-4C MX-3307/DJW-4C	Gyro Stabilized Platform	To maintain a launch point earth reference with a gyro stabilized platform which is isolated from the missile.	AC Spark Plug 7858648	AEL-60-1036		P/O AN/DJW-4
MX-3316()/MSM MX-3316/MSM	Test Adapter Set	Permits Electronic Circuit Plug-in Unit Test Set TS-1451/MSM to test additional modules.	Convair 27-41893-1	WDD-60-3514		U/W TS-1451/MSM
MX-3318()/MSM MX-3318/MSM	Test Adapter Set	Permits Electronic Circuit Plug-in Unit Test Set TS-1451/MSM to test additional modules.	Convair 27-41893-3	WDD-60-3537		U/W TS-1451/MSM
MX-3319()/MSM MX-3319/MSM	Test Adapter Set	Same description as MX-3318/MSM&().	Convair 27-41893-5	WDD-60-3538		U/W TS-1451/MSM
MX-3320()/MSM MX-3320/MSM	Test Adapter Set	Same description as MX-3318/MSM&().	Convair 27-41893-801	WDD-60-3539		U/W TS-1451/MSM
MX-3321()/MSM MX-3321/MSM	Test Adapter Set	Same description as MX-3318/MSM&().	Convair 2741893-803	WDD-60-3540		U/W TS-1451/MSM
MX-3322()/GSM MX-3322/GSM	Test Set Group Programmer Adapter	Provides a means of accurately testing complete relay systems, switches and timers in the ground support equipment.	Convair 27-38715-3	WDD-60-3550		
MX-3327/FPS-50(V)	Waveguide Tuner Calibrator	Input: 28vdc. Provides bench test and adjustment for Waveguide Tuner TN-355/FPS-50(V).	General Bronze Corp 100141G1	WL-63-R-1254		P/O AN/FPS-50(V)
MX-3329()/FPS-35 MX-3329/FPS-35	Dummy Load	Cancelled 27 February 1961.	FXR Inc 501297	WL-60-3571	MIL-R-9615A	P/O AN/FPS-35
MX-3333/ARC	Subassembly Test Set	Contains the switching and tuning controls, input and output connectors, test meter and primary power circuit breaker.	Aircraft Radio Corp 18255	SIMSA-60-210		P/O MK-427()/ARC
MX-3335/PDR-43B	Radioactive Test Sample	Provides standards by which the proper operation of the radiac detecting element may be determined. This test sample is a permanent part of the radiac-meter, and is actuated by the function selector knob.	Electronic Products Inc 506-216A	N-60-b-2056		P/O IM-125B/PDR-43
MX-3338()/FSM-10 MX-3338/FSM-10	Test Adapter	Provides the mechanical facilities for the application of test signals to the unit under test.	Budd Electronics DL-16-337	CRC-60-162		P/O AN/FSM-10
MX-3339()/AJQ-5	Capacitance Bridge Subassembly	Two concentric capacitors which form one arm of a capacitance bridge for fuel level measurement.	Avien Inc 16602	SIMSA-60-181		P/O AN/AJQ-5()
MX-3343()/U	Test Prod	Input Z: 10MΩ//2.5μμf when U/W scope having 20 or 50μμf input capacity. Attenuation: 100:1. Has interchangeable tips. Max voltage: 1000v. No loss at 30Mc.	Tektronix Inc P 4100	SIMSA-60-190		
MX-3344/URM-114	Radio Frequency Tuning Probe	A very low capacity RF probe which will receive low level random inputs from 2 to 32Mc.	Sylvania Electric Co 02-140195	N-60-X-2083	MIL-E-16400 MIL-C-22330	P/O AN/URM-114
MX-3384()/GVQ-5 MX-3384/GVQ-5	Electro-theodolite	Automatically monitors the azimuth orientation of the gyro stabilized platform prism.	AC Spark Plug 7929043	WDD-60-723		P/O AN/GVQ-5()
MX-3385()/GVQ-5 MX-3385/GVQ-5	Electro-theodolite Set Prism	Provides a precise azimuth reference within the missile silo.	AC Spark Plug 7929045	WDD-60-725		P/O AN/GVQ-5()
MX-3387()/DJW-11 MX-3387/DJW-11	Intertial Measurement Unit	Senses missile motion while in flight and transforms this information into suitable signals for missile guidance, engine-cut-off and warhead arming.	AC Spark Plug 7852413	WDD-60-737		P/O AN/DJW-11
MX-3390()/GSN-11 MX-3390/GSN-11	Audio Frequency Detector	Detector operates a relay with the presence of an audio signal.	Cook Electric Co 597-7678	CRC-60-116		P/O OA-3145/GSN-11
MX-3395()/UDM-4	Radium Standard	Calibration constancy standard: 1mg of radium foil housed in a steel case into which Victoreen Models 70-5 and 553 ionization chamber detectors are inserted.	Victoreen Inst Co 70-5, 553	SEL-60-452		P/O AN/UDM-4()

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MX-3409/URM-85	Interference Measuring Magnetic Field Probe	Localizes the magnetic field components of RF interference in the range of 150kc to 30Mc.	Empire Devices Prod B6651	SIMSA-60-257		P/O AN/URM-85
MX-3411/URM-85	Interference Measuring Electrical Field Probe	Used to localize the source of electrical field components of RF interference. Frequency range: 150kc to 1000Mc.	Empire Devices Prod B-6469	SIMSA-60-279		P/O AN/URM-85
MX-3412/URM-85	Interference Measuring Magnetic Field Probe	Used to localize the magnetic field components of RF interference. Frequency range: 20 to 1000Mc.	Empire Devices Prod C-6141	SIMSA-60-280		P/O AN/URM-85
MX-3413/GWM-4	Test Adapter	Adapter and associated cables which facilitate testing.		SWV-60-94		P/O AN/GWM-4
MX-3420/ASA-32A	Aircraft Accelerometer	Senses acceleration of the aircraft in a direction perpendicular to the plane of the wings. Output signal when acceleration exceeds -1g to +4g.	General Electric 197C283G3	N-60-W-2338		P/O AN/ASA-32A AN/ASA-32B AN/ASA-32C
MX-3421/ASA-32D	Aircraft Accelerometer	Senses laterial accelerations of the aircraft and provides a signal to the autopilot proportional to the laterial acceleration.	General Electric 197C282G3	N-60-W-2349	MIL-N-18307A	P/O AN/ASA-32D
MX-3422/ASA-32D	Aircraft Accelerometer	Senses acceleration of the aircraft in a direction perpendicular to the plane of the aircraft wings.	General Electric 197C281G3	N-60-W-2350	MIL-N-1830	P/O AN/ASA-32D
MX-3429A()/FPT-7 MX-3429A/FPT-7	Capacitor Assembly	Consists of two electrically isolated banks of capacitors. Used to store energy for transmitter group during pulse time.	Continental Electronics J-36818	WL-62-R-4243		P/O AN/FPT-9A
MX-3431/ASM-33	Alarm Monitor	Indicator lights warn of departure from operating parameters. Provides alarm facilities for electronic equipment in the W2F-1 Aircraft.	General Electric 224E410G1	N-61-W-111		P/O AN/ASM-33
MX-3433()/FPS-35 MX-3433/FPS-35	Waveguide Probe	Develops a signal voltage output proportional to the RF energy incident upon it in the frequency range of 37.4 to 43.6Mc.	Sperry Gyroscope Co 2376807	WL-60-4170	MIL-R-9615A	P/O OA-3089/FPS-35
MX-3436()/FSA-23 MX-3436/FSA-23	Indicator Subassembly	Processes the intensity gates, sweep signals and timing pulses of OA-3225/FSA-23&().	General Electric 7624423G3	WL-61-R-2409		P/O OA-3225/FSA-23
MX-3441/MSM-15	Test Adapter	Provides suitable connections between item under test and test facility.		ORDXR-4-61		P/O AN/MPM-38
MX-3451()/FSA MX-3451/FSA	Delay Line Driver	Provides 30 to 40db gain for the 34Mc output of Frequency Mixer Stage CV-1132/FSA, max output of 50 p-pv.	General Electric Co 7742912G1	WL-62-R-2645		P/O OA-3250/FSA-31
MX-3463()/FSA	Oscilloscope Subassembly	Provides facilities for connecting external intensity modulation signals into the oscilloscope.	Hewlett-Packard 166A-E02	WL-61-1177		U/W OS-116/FSA
MX-3480()/SPM-14	Coaxial Test Point Selector	Upon programmed command, selects specified test points during checkout of radar system. 21 of these are required to provide the 100 coaxial test points required and are controlled by the master test point selector.	Nortronics 1009736	N-61-X-240	SHIPS-A-3664	P/O AN/SPM-14()
MX-3481()/SPM-14	Test Point Selector	Designed to accomplish four functions during operation of the NARATE System: (1) automatic selection of test points, (2) selection of proper input trigger to the NARATE System oscilloscope, (3) control NARATE System self check, (4) provide for manual selection of operations normally performed automatically.	Nortronics 1009478	N-61-X-241		P/O AN/SPM-14()
MX-3482()/SPM-14	Test Point Selector	Used to select the specific test points for test or monitoring during operation of the NARATE System. Each of the 8 remote test point selectors is designed to provide a capability of 100 test points of which 10 points may be used for control functions.	Nortronics 1009420	N-61-X-242	SHIPS-A-3664	
MX-3489/APA-156	Transponder Set Monitor	Cancelled 5 June 1962.		AEL-62-C-419		
MX-3495()/ALT MX-3495/ALT	Test Adapter	Provides a dc voltage to the pre-flight test set which is proportional to the noise signal into this adapter from the transmission wavemeter. Used to plot the spectrum of the transmitter.		AEL-61-125		U/W AN/ALT-13,15 and 16
MX-3498()/GPN MX-3498/GPN	Radar Set Performance Monitor	Provides a continuous indication of transmitter power, receiver noise figure, and relative tuning error between receiver and transmitter in the search of precision radar system.	Gilfillan Bros 88122	RONE-60-59		P/O OA-3293/GPN OA-3290/GPN
MX-3505()/GSM-51 MX-3505/GSM-51	Test Set Subassembly	Designed for use in dynamic testing of printed circuit cards.	Hughes Aircraft Co 558100	SIMSA-61-122		P/O AN/GSM-51
MX-3523/UA	Recorder Subassembly	An electrical and optical device which intensity modulates a glow tube with an incoming video signal. It produces a light which varies in intensity with the amplitude of the video signal. This is focused to a pinpoint and recorded on a strip of film in the MA-6/UA.	HRB-Singer Inc J-53554-3	SIMSA-61-2715		P/O OA-3358/UA
MX-3527()/GSM-48 MX-3527/GSM-48	Test Set Group Subassembly	Designed to perform a portion of the function of converting both voltage and time from analog to digital signals. Also mounts the other components of the test set group.	Bendix Aviation	AEL-61-58		P/O OA-3380/GSM-48
MX-3528()/GSM-48 MX-3528/GSM-48	Electrical Standards Set	Standards available: 0.755vdc, 7.55vdc, 75.5vdc and 245vdc all to within 0.02%; 0.377vac, 3.77vac, 37.7vac and 122vac to within 0.05%. Also provides resistance in-phase voltage and quadrature voltage circuits necessary for (reference during the) self-check operation of the electronics systems test set.	Bendix Aviation	AEL-61-61	MIL-P-26664A	P/O OA-3380/GSM-48
MX-3531()/ALA-18 MX-3531/ALA-18	Test Adapter	Provides a simulated free space environment for L, S and X band scimitar configuration antenna having a 5½ inch mounting plate. It absorbs RF power being transmitted through the antenna.	General Electric 7518560P1	AEL-61-R-493		P/O AN/ALA-18

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MX-3532()/ALT-6B MX-3532/ALT-6B	Test Adapter	Provides a means of shielding the RF output from the scimitar configuration of a P band ECM System thereby eliminating interference to other systems and providing protection to personnel.	General Electric 751856G1	AEL-61-254		U/W AN/ALT-6B
MX-3545/SQS-26	Sonar Monitor	Monitors transmitter output power and receiver noise level.	General Electric 7314836G1	N-61-n-979		P/O AN/SQS-26
MX-3547/GRM	Test Prod	Used as a high voltage shorting wand.		SIMSA-61-2318		P/O BC-610()
MX-3553/GRC	Test Adapter	Designed to facilitate the measurement of voltage and current of Radio Sets AN/PRC-8,9,&10.		SIMSA-61-2171		P/O MK-153/GRC U/W AN/PRC-8,9&10
MX-3583()/UPX-14 MX-3583/UPX-14	Waveguide Probe	300 to 1200Mc range, 16Ω impedance, electron tube type with detector probe for monitoring the transmitter output.	Budd Electronics J-L-22-100	WL-61-2190		P/O AN/UPX-14
MX-3592()/URM-95 MX-3592/URM-95	Test Adapter	Designed to accept Radio Receiver-Transmitter RT-159()/URC-4 which clamps to this adapter so that reliable mechanical and electrical connection and good accoustical coupling can be made between the loudspeaker and the adapter's microphone.	Philharmonic Radio	AEL-61-251		P/O AN/URM-95
MX-3593()/URM-95 MX-3593/URM-95	Test Adapter	Designed to accept Radio Receiver-Transmitter RT-278()/URC-10 so that reliable mechanical and electrical connection and good accoustical coupling can be made between the loudspeaker and the adapter's microphone.	Philharmonic Radio	AEL-61-251		P/O AN/URM-95
MX-3594()/URM-95 MX-3594/URM-95	Test Adapter	Designed to accept Radio Receiver-Transmitter RT-285()/URC-11 or RT-350()/URC-14 so that reliable mechanical and electrical connection and good accoustical coupling can be made between the loud-speaker and the adapter's microphone.	Philharmonic Radio	AEL-61-429		P/O AN/URM-95
MX-3611/GSM-61	Launch Sequence Programmer Test Module	A patch panel with tip jacks. It serves a switching function which programs tests to be made on components of the Launch Control System AN/GSW-4. Cancelled 1 March 1962.	Amp Inc	WDD-61-3932		P/O AN/GSM-71
MX-3612/GSM-61	Calibrate-Test Programmer Test Module	A patch panel with tip jacks. Cancelled 1 March 1962.	Amp Inc	WDD-61-3933		P/O AN/GSM-61
MX-3613/GSM-61	Launcher-Missile Status Monitor Test Module	A patch panel with tip jacks. Cancelled 1 March 1962.	Amp Inc	WDD-61-3934		P/O AN/GSM-61
MX-3614/GSM-61	Fault Locator Test Module	A patch panel with tip jacks. Cancelled 1 March 1962.	Amp Inc	WDD-61-3937		P/O AN/GSM-61
MX-3621/GSM-61	Timer Test Module	A patch panel with tip jacks. Cancelled 1 March 1962.	Amp Inc	WDD-61-3929		P/O AN/GSM-61
MX-3622/GSM-61	Electronic Command Signals Decoder Test Module	A patch panel with tip jacks. Cancelled 1 March 1962.	Amp Inc	WDD-62-3971		P/O AN/GSM-61
MX-3623/GSM-61	Electronic Command Signals Decoder Test Module	A patch panel with tip jacks. Cancelled 1 March 1962.	Amp Inc	WDD-62-3972		P/O AN/GSM-61
MX-3624/GSM-62	Launch Facility Start-Up Assembly	Permits a functional checkout of the circuitry associated with the startup of a launch facility. It is capable of iniating missile targeting equipment signals and provides visual indication of the status of these signals.	Boeing Aircraft Co 25-34000-1	WDD-62-4039		P/O OA-3966/GSM-62
MX-3631()/U	Waveguide Probe	Broadband; used with other equipment to sample RF in slotted lines.	Hewlett-Packard	SIMSA-61-4186		U/W AN/DPN-62(V)
MX-3635()/U MX-3635/U	Semiconductor Device Holder	Detects or measures energy from 8.2kMc to 12.4kMc; U/W detector element. Mounts by waveguide flange. Accomodates IN-21 or IN-23 Semiconductor Device.	Gen Microwave Corp X411	SIMSA-62-459		U/W AN/DPM-62(V)
MX-3644()/APM MX-3644/APM	Test Adapter	Permits use of antenna prod, test, with antenna AT-741/A.		AEL-61-595		U/W MX-1342/UPM-4A
MX-3647()/CPN-18D MX-3647/CPN-18D	Radar Set Performance Monitor	Provides means of adjusting MTI and viewing video outputs and triggers to check proper operation of equipment. Also provides "A" type presentation for radar set.	Bendix Aviation C219122-2	RONE-61-67		P/O OA-3504/CPN-18D OA-3505/CPN-18D
MX-3648()/FPR-2 MX-3648/FPR 2	Test Adapter	Provides a convenient test point to connect a test recorder for alignment and testing of the AN/FPR-2 receiver when modified to use a doppler spectrum analyzer.	Western Electric GS-18656	RONE-61-128		P/O OA-1694/FPR-2
MX-3660()/AJM-11 MX-3660/AJM-11	Test Adapter	Connects the signal data converter module to the control test set.	Vought 11814-401-3409	AEL-61-614		P/O AN/AJM-11
MX-3661()/AJM-11 MX-3661/AJM-11	Test Adapter	Used to connect the acceleration integrator to the Control Test Set AN/AJM-11.	Vought 11814-401-3493	AEL-61-615		P/O AN/AJM-11
MX-3662()/AJM-11 MX-3662/AJM-11	Test Adapter	Used to connect the azimuth position repeater module to the control test set.	Vought 11814-401-30496	AEL-61-616		P/O AN/AJM-11
MX-3663()/AJM-11 MX-3663/AJM-11	Test Adapter	Used to convert the gyro gimbal control module to the control test set.	Vought 11814-401-30420	AEL-61-617		P/O AN/AJM-11
MX-3664()/AJM-11 MX-3664/AJM-11	Test Adapter	Used to connect the computer electronic module to the control test set.	Vought 11814-401-30480	AEL-61-618		P/O AN/AJM-11
MX-3665()/AJM-11 MX-3665/AJM-11	Test Adapter	Used to connect the AN/AJM-11 Test Cables to various sets of the ALRI and AGE equipments.	Vought 401-30450-1	AEL-61-619		P/O AN/AJM-11

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MX-3666()/AJM-12 MX-3666/AJM-12	Test Adapter	Used to connect the AN/AJM-12 test cables to various sets of the AIRI and AGE equipments.	Vought 401-30550-1	AEL-61-627		P/O AN/AJM-12
MX-3667()/U	Waveguide Probe	Range: 8.2 to 12.4kMc. Extends frequency range of microwave powermeter. Also used to measure average power of low duty cycle pulse.	Hewlett-Packard X487B	SIMSA-61-302		U/W AN/APS-94()
MX-3668/G	Oscilloscope Subassembly	5 inch screen. Sweep: 6.7msec to 10kc, 0.2μsec to 120sec duration. Sensitivity through amplifier: 0.045 vertical or 0.180 horizontal rms v/inch. Frequency response: dc to 1Mc on X and dc to 24Mc on Y.	Tektronix Inc 945	SIMSA-61-2531		P/O AN/USM-151
MX-3669/U	Test Prod Tip	General purpose gold plated brass pointed contact end.	Tektronix Inc 13-8052-00	SIMSA-61-2586		P/O MX-3668/G
MX-3670/U	Test Prod	General purpose with nonreplaceable contact tip.	Triplett Electrical T-79-141	SIMSA-61-2587		P/O MX-3668/G
MX-3676()/SPG-55B MX-3676/SPG-55B	Subassembly Test Set	A unity gain differential amplifier used for injecting test signals into closed servo loops.	Sperry Gyroscope Co 1005994	N-61-W-1670		P/O OA-3523/SPG-55B
MX-3687/GYK-1(V)	Line Failure Monitor Unit	Monitors all incoming lines and provides a signal for display on the line failure indicator.	Radio Corp of Amer 8321059-501	WDD-61-5919		P/O OA-3542/GYK-1(V)
MX-3688()/GJK-1(V) MX-3688/GJK-1(V)	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the waveform converter.	Radio Corp of Amer 8622783-501	WDD-61-5939		U/W CW-1243/GYK-1(V)
MX-3689()/GYK-1(V) MX-3689/GYK-1(V)	Test Adapter	Permits access to points which are not joined to any pins within the main connectors of the digital to diphase converter.	Radio Corp of Amer 8622790-502	WDD-61-5940		U/W CV-1236/GYK-1(V)
MX-3690()/GYK-1(V) MX-3690/GYK-1(V)	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the line selector.	Radio Corp of Amer 8622788-502	WDD-61-5941		U/W MX-3686/GYK-1(V)
MX-3691()/GYK-1(V) MX-3691/GYK-1(V)	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the line monitor.	Radio Corp of Amer 8622794-502	WDD-61-5942		U/W MX-3687/GYK-1(V)
MX-3692()/GYK-1(V) MX-3692/GYK-1(V)	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the waveform converter.	Radio Corp of Amer 8622786-502	WDD-61-5943		U/W CV-1237/GYK-1(V)
MX-3693()/GYK-1(V) MX-3693/GYK-1(V)	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the digital data storage unit.	Radio Corp of Amer 8622787-502	WDD-61-5944		U/W MU-466/GYK-1(V)
MX-3694()/GYK-1(V) MX-3694/GYK-1(V)	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the network voltage divider.	Radio Corp of Amer 8622793-502	WDD-61-5945		U/W MX-3742/GYK-1(V)
MX-3695()/GYK-1(V) MX-3695/GYK-1(V)	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the waveform converter.	Radio Corp of Amer 8622789-502	WDD-61-5947		U/W CV-1250/GYK-1(V)
MX-3696()/GYK-1(V) MX-3696/GYK-1(V)	Test Adapter	Same description as MX-3695()/GYK-1(V).	Radio Corp of Amer 8622796-502	WDD-61-5947		U/W CV-1249/GYK-1(V)
MX-3697()/GYK-1(V) MX-3697/GYK-1(V)	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the digital data transmitter.	Radio Corp of Amer 8622779-502	WDD-61-5948		U/W T869/GYK-1(V)
MX-3698()/GYK-2 MX-3698/GYK-2	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the line monitor.	Radio Corp of Amer 8622791-502	WDD-61-5955		U/W MX-3775/GYK-2
MX-3699()/GYK-2 MX-3699/GYK-2	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the line selector.	Radio Corp of Amer 8622785-502	WDD-61-5956		U/W MX-3776/GYK-2
MX-3700()/GYK-2 MX-3700/GYK-2	Test Adapter	Permits access to circuit points which are not joined to any pins within the main connectors of the digital to diphase converter.	Radio Corp of Amer 8622795-502	WDD-61-5957		U/W CV-1254/GYK-2
MX-3701()/GYK-1(V) MX-3701/GYK-1(V)	Test Fixture	A receptical into which the equipment to be tested is inserted. Accepts the different drawers to be tested together with the auxiliary test point access templates.	Radio Corp of Amer 1193058-502	WDD-61-5961		U/W AN/GYK-1(V)
MX-3702()/GYK-1 MX-3702/GYK-1	Test Adapter	A mechanical structure which accepts the test point access templates that correspond to the cable termination equipment and the data processing equipment to be tested.	Radio Corp of Amer 8622783-502	WDD-61-5962		U/W AN/GYK-1(V)
MX-3705()/MSQ-28 MX-3705/MSQ-28	Console Frame Assembly	Consists of the console cabinet, the 12" CRT, the console interlock switch and a test point block.	Hughes Aircraft Co 502072-100	SIMSA-61-4228	ADA-19A W/Ammend 1	P/O OA-3657/MSQ-28
MX-3706()/MSQ-28 MX-3706/MSQ-28	Console Frame Assembly	Consists of the console cabinet, the 5 and 12 inch CRTs, the console interlock switch and a test point block.	Hughes Aircraft Co 501172-100	SIMSA-61-4325	ADA-19A W/Ammend 1	P/O OA-3548/MSQ-28
MX-3707()/MSQ-28 MX-3707/MSQ-28	Console Frame Assembly	Consists of the console cabinet, the 5 and 12 inch CRTs, the console interlock switch and a test point block.	Hughes Aircraft Co 501072-100	SIMSA-61-4244	ADA-19A W/Ammend 1	P/O OA-3638/MSQ-28
MX-3708()/U MX-3708/U	Precision Divider Head	Precision indexing device used to set or read mechanical shaft angles of rotary electromechanical equipment rapidly and accurately. Used to set and test the position of precision potentiometers.	Millitest Corp THM 101	SIMSA-61-385		U/W AN/APN-129(V)

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-3710()/APN-129(V) MX-3710/APN-129(V)	Test Adapter	Provides accessability to module under test.	Ryan Electronics 114Z8036-1	SIMSA-61-387		
MX-3719()/ASW-12(V) MX-3719/ASW-12(V)	Actuator Rotary Test Fixture	Supports and mounts housing and bracket assemblies of the Electro-Mechanical-Rotary Actuators TG-92, 78,80, and 81 during bench testing.	Sperry Rand 2586451	SIMSA-62-423		U/W AN/ASW-12(V)
MX-3720()/ASW-12(V) MX-3720/ASW-12(V)	Mechanical Linear Actuator Tester	A holding and testing device for Mechanical Linear Actuator TG-90()/ASW-12(V); differential for specified limits of the breakout torque and gear backlash.	Sperry Phoenix 2586383	SIMSA-61-424		U/W AN ASW-12(V)
MX-3723()/ASW-12(V) MX-3723/ASW-12(V)	Gyroscope Test Fixture	Supports Gyro CN-601()/ASW-12(V) during test and provides means of positioning it in a horizontal plane at any of 4 positions 90° apart.	Sperry Rand 2592055	SIMSA-62-397		U/W AN/ASW-12(V)
MX-3736()/ARM-45 MX-3736/ARM-45	Test Set Subassembly	Major components of the radio test set which performs operational checks on Radio Set AN/ARC-73() and associated aircraft wiring.	Collins Radio 522-1620-004	SIMSA-61-507		P/O AN/ARM-45()
MX-3746()/GYK-1(V) MX-3746/GYK-1(V)	Test Adapter	Permits application of test signals to otherwise unaccessible points.	Radio Corp of Amer 8622802-502	WDD-61-5049		U/W R-1096/GYK-1(V)
MX-3747()/GYK-1(V) MX-3747/GYK-1(V)	Test Adapter	Permits application of test signals to otherwise unaccessible points.	Radio Corp of Amer 8622804-502	WDD-61-5950		U/W MX-3681,2,3,4,5/GYK-1(V)
MX-3748()/GYK-1(V) MX-3748/GYK-1(V)	Test Adapter	Permits application of test signal to otherwise unaccessible points.	Radio Corp of Amer 8622801-502	WDD-61-5951		U/W AM-3159/GYK-1(V)
MX-3749()/GYK-1(V) MX-3749/GYK-1(V)	Test Adapter	Permits application of test signals to otherwise unaccessible points.	Radio Corp of Amer 8622823-502	WDD-61-5952		P/O AN/GYK-1(V)
MX-3750()/GYK-1(V) MX-3750/GYK-1(V)	Test Adapter	Permits application of test signals to otherwise unaccessible points.	Radio Corp of Amer 8622800-502	WDD-61-5953		P/O AN/GYK-1(V)
MX-3768()/GYK-2 MX-3768/GYK-2	Test Adapter	Permits application of test signals to otherwise unaccessible points.	Radio Corp of Amer 8622792-502	WDD-61-5954		U/W MX-3773/GYK-2
MX-3769()/GYK-2 MX-3769/GYK-2	Test Adapter	Permits application of test signals to otherwise unaccessible points.	Radio Corp of Amer 8622797-502	WDD-61-5958		U/W KY-411/GYK-2
MX-3770()/GYK-2 MX-3770/GYK-2	Test Adapter	Permits application of test signals to otherwise unaccessible points.	Radio Corp of Amer 8622798-502	WDD-61-5959		U/W MX-3772/GYK-2
MX-3771()/GYK-2 MX-3771/GYK-2	Test Adapter	Permits application of test signals to otherwise unaccessible points.	Radio Corp of Amer 8622799-502	WDD-61-5960		U/W CV-1253/GYK-2
MX-3775()/GYK-2 MX-3775/GYK-2	Line Failure Monitor Unit	Receives command messages from launch control facility, converts the digital signal to a diphase signal and sends it to the electronic line selector.	Radio Corp of Amer 8321093-501	WDD-61-5975		P/O OA-3594/GYK-2
MX-3793()/APM-166 MX-3793/APM-166	Test Adapter	Provides a means of testing the present position computer cards without puncturing the coating on the cards.	Lab for Electronics 68708-1	AEL-61-765	MIL-T-21200	P/O AN/APM-166
MX-3794()/APM-166 MX-3794/APM-166	Test Adapter	In conjunction with phase angle indicator, this provides a major part of special equipment to test and align the Course Computer Unit AN/APM-105 or AN/APM-131.	Lab for Electronics 58317-1	AEL-61-791		P/O OA-3608/APM-166
MX-3795()/APM-167 MX-3795/APM-167	Anechoic Chamber	A microwave attenuator, which acts as a known microwave attenuator and a three channel doppler simulator at X-band frequencies.	Lab for Electronics 58326-1	AEL-61-757		P/O OA-3611/APM-167
MX-3807()/ASM-29 MX-3807/ASM-29	Test Adapter	Used to elevate the printed circuit modules found in Digital to Digital Converter CV-803/ASN-13; Test Set TS-1370/ASM-27 and some in Electronic Circuit Test Set TS-1397/ASM-29.	Western Electric Co G-306458	N-61-W-1972		P/O AN/ASM-29
MX-3808()/ASM-29 MX-3808/ASM-29	Test Adapter	Used to elevate certain modules of the Digital to Analog Converter CV-802/ASW-13 above the remaining circuitry for testing.	Western Electric Co G-312384	N-61-W-1973		P/O AN/ASM-29
MX-3809()/ASM-29 MX-3809/ASM-29	Test Adapter	Used to elevate certain modules of the Digital to Analog Converter CV-802/ASW-13 above the remaining circuitry for testing.	Western Electric Co G-312389	N-61-W-1974		P/O AN/ASM-29
MX-3810()/ASM-29 MX-3810/ASM-29	Test Adapter	Used to elevate certain modules of the Electronic Circuit Test Set TS-1397/ASM-29 above the remaining circuitry for testing.	Western Electric Co G-321438	N-61-W-1975		P/O AN/ASM-29
MX-3811()/ASM-29 MX-3811/ASM-29	Test Adapter	Used to elevate Power Supply Module G-290374 above the remaining circuitry for testing.	Western Electric Co G-321561	N-61-W-1976		P/O AN/ASM-29
MX-3815/APM-169	Test Adapter	A cable which includes two connectors and a terminal board assembly with test points to permit access to the distribution box.	Weston Electrical Inst 702R282G01	N-61-W-1810		P/O AN/APM-169 AN/APQ-72
MX-3819()/GSM MX-3819/GSM	Test Set Group Programmer Adapter	Contains adapter harnesses, programmed plugboards and matrix chart to provide the desired testing sequence and identify the circuit under test. Used in conjunction with Test Set Group OA-2131/GSM.	Gen Dynamics/Astro 27-38715-805	WDD-61-2134		
MX-3820()/GSM MX-3820/GSM	Test Set Group Programmer Adapter	Same description as MX-3819()/GSM.	Gen Dynamics/Astro 27-38715-8C7	WDD-61-2135		

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MX-3821()/GSM MX-3821/GSM	Test Set Group Programmer Adapter	Contains harnesses, programmed plugboards and matrix chart to provide the desired testing sequence and identify the circuit under test. Used in conjunction with Test Set Group OA-213/GSM.	Gen Dynamics/Astro 27-38715-811	WDD-61-2136		
MX-3822()/GSM MX-3822/GSM	Programmer-Adapter Test Set Group	Contains adapter harnesses, programmed plugboards and matrix chart to provide the desired test sequence and identify the circuit under test. Used in conjunction with Test Set Group OA-2131/GSM.	Gen Dynamics/Astro 27-38715-813	WDD-61-2137		
MX-3823()/GJQ-17 MX-3823/GJQ-17	Test Adapter	Used as a control point between the component under test and the electronic equipment used for metering power and signals.	AC Spark Plug 7863972	WDD-61-736		U/W C-3642/GJQ-17
MX-3824()/GJQ-17 MX-3824/GJQ-17	Test Adapter	Used as a control point between the component under test and the electronic equipment used for metering power and signals.	AC Spark Plug 7863973	WDD-61-737		U/W ID-915/GJQ-17
MX-3825()/GJQ- MX-3825/GJQ-17	Test Adapter	Used as a control point between the component under test and the electronic equipment used for metering power and signals.	AC Spark Plug 7863974	WDD-61-738		U/W CM-208/GJQ-17
MX-3826()/GJQ-17 MX-3826/GJQ-17	Test Adapter	Used as a control point between the component under test and the electronic equipment used for metering power and signals.	AC Spark Plug 7863975	WDD-61-739		U/W CM-209/GJQ-17
MX-3827()/GJQ-17 MX-3827/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863976	WDD-61-740		U/W PP-2958/GJQ-17
MX-3828()/GJQ-17 MX-3828/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863977	WDD-61-741		U/W PP-2957/GJQ-17
MX-3829()/GJQ-17 MX-3829/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863978	WDD-61-742		U/W HD-460/GJQ-17
MX-3830()/GJQ-17 MX-3830/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863979	WDD-61-743		U/W TS-1511/GJQ-17
MX-3831()/GJQ-17 MX-3831/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863980	WDD-61-744		U/W C3641/GJQ-17
MX-3832()/GJQ-17 MX-3832/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863981	WDD-61-745		U/W PP-2956/GJQ-17
MX-3833()/GJQ-17 MX-3833/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863982	WDD-61-746		U/W PP-2955/GJQ-17
MX-3834()/GJQ-17 MX-3834/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863983	WDD-61-747		U/W PP-2959/GJQ-17
MX-3835()/GJQ-17 MX-3835/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863984	WDD-61-748		U/W C-3643/GJQ-17
MX-3836()/GJQ-17 MX-3836/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863988	WDD-61-749		U/W MX-3474/GJQ-17
MX-3837()/GJQ-17 MX-3837/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863989	WDD-61-750		U/W RO-169/GRQ-17
MX-3838()/GJQ-17 MX-3838/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863990	WDD-61-799		U/W C-3644/GJQ-17
MX-3839()/GJQ-17 MX-3839/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863991	WDD-61-800		U/W PP-2952/GJQ-17
MX-3840()/GJQ-17 MX-3840/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863985	WDD-61-753		U/W J-1249/GJQ-17
MX-3841()/GJQ-17 MX-3841/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863986	WDD-61-754		U/W SB-1282/GJQ-17
MX-3842()/GJQ-17 MX-3842/GJQ-17	Test Adapter	Same functional description as MX-3826()/GJQ-17.	AC Spark Plug 7863992	WDD-61-755		U/W CP-598/DJW-11
MX-3844/GSM-72	Test Set Slave Unit	When added Electronic Circuit Test Set TS-1708/GSM-72 this adds a switching capability to the circuits undergoing test or injects a stimulus to them.	Lavoie Labs LA-308	SIMSA-62-253		U/W AN/GSM-72
MX-3845()/GSM-72	Subassembly Test Set	Enables Test Set TS-1708/GSM-72 to measure ac or dc voltages.	Lavoie Labs K92800170	SIMSA-62-249		U/W AN/GSM-72
MX-3846()/GSM-72	Impedance Bridge Subassembly	Converts ac bridge voltage, produced by the Impedance Bridge Subassembly MX-3875/GSM-72 to a dc voltage level which can be measured by the Electronic Circuit Test Set TS-1708/GSM-72.	Lavoie Labs K90100520	SIMSA-62-256		P/O OA-3672/GSM-72
MX-3869/MSQ-28	Test and Alignment Unit	Allows test and alignment of the central display console, the detector tracker console and the range height indicator console independent of other digital systems.	Hughes Aircraft Co 501268-100	SIMSA-61-4072		P/O OA-2308/MSQ-28
MX-3873()/FYQ-4 MX-3873/FYQ-4	Modem Subassembly	Provides facilities for heterodyning, test pattern and phase shift generation, and detection.	Internat'l Electric 4505535	WL-62-R-108		P/O MD-452/FYQ-4
MX-3875/GSM-72	Impedance Bridge Subassembly	Generates either 159, 1590, or 15,900cps selected by test programmed tape. Output applied to Impedance Bridge Subassembly MX-3846/GSM-72.	Lavoie Labs K95400500	SIMSA-61-463		P/O OA-3672/GSM-72
MX-3898()/UPM-96 MX-3898/UPM-96	Test Set Subassembly	Accepts radar trigger pulses and IF signals to continously monitor a radar set noise figure.	Airborne Inst Lab 109455-1	SIMSA-61-556		P/O AN/UPM-96()
MX-3913/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-133		
MX-3915/GPA-110 (V)	Delay Line	Converts 20Mc modulated carrier to supersonic waves delayed 3329 ±0.25μsec; contains temperature control.	Microsonics Inc 8640-1	RONE-62-R-116		P/O CM-230(V)/GPA-110(V)
MX-3916/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-146		
MX-3917/GPA-110 (V)	Delay Line	Converts 20Mc modulated carrier to supersonic waves delayed 2741 ±0.25μsec. Contains temperature control.	Microsonics Inc 8640-2	RONE-62-R-117		P/O CM-230(V)/GPA-110(V)

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MX-3918/GPA-110 (V)	Delay Line	Converts 20Mc modulated carrier to supersonic waves delayed 2774 ±0.25μsec. Contains temperature control.	Microsonics Inc 8640-3	RONE-62-R-118		P/O CM-230(V)/GPA-110(V)
MX-3919/GPA-110 (V)	Delay Line	Converts 20Mc modulated carrier to supersonic waves delayed 2496 ±0.25μsec. Contains temperature control.	Microsonics Inc 8640-4	RONE-62-R-119		P/O CM-230(V)/GPA-110(V)
MX-3920/GPA-110 (V)	Delay Line	Converts 20Mc modulated carrier to supersonic waves delayed 2996 ±0.25μsec. Contains temperature control.	Microsonics Inc 8640-11	RONE-62-R-120		P/O CM-230(V)/GPA-110(V)
MX-3921/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-147		
MX-3922/GPA-110 (V)	Delay Line	Converts 20Mc modulated carrier to supersonic waves delayed 2772 ±0.25μsec. Contains temperature control.	Microsonics Inc 8640-7	RONE-62-R-121		P/O CM-230(V)/GPA-110(V)
MX-3923/GPA-110 (V)	Delay Line	Converts 20Mc modulated carrier to supersonic waves delayed 2734 ±0.25μsec. Contains temperature control.	Microsonics Inc 8640-6	RONE-62-R-122		P/O CM-230(V)/GPA-110(V)
MX-3931/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-149		
MX-3932/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-150		
MX-3933/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-151		
MX-3934/GPA-11- (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-152		
MX-3935/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-153		
MX-3936/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-154		
MX-3937/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-155		
MX-3938/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-156		
MX-3939/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-157		
MX-3940/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-158		
MX-3941/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-159		
MX-3942/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-160		
MX-3943/GPA-110 (V)	Delay Line	Cancelled 7 November 1962.		RONE-62-C-161		
MX-3944()/GSM-72 MX-3944/GSM-72	Electrical Contact Fixture	Holds printed circuit cards to obtain electrical contact when testing for defective circuitry or parts.	Lavoie Labs K-50170020	SIMSA-61-534		P/O MK-645()/GSM-72
MX-3957()/ASM-76	Computer Test Adapter	Provides for connecting sub-assemblies of Computer Detector CP-413/ASA-27, one at a time, to Programming Test Console OA-3738()/ASA-48. Generates or receives signals internally if necessary.	General Electric 224E430G1	N-61-W-2487		P/O OA-3731()/ASM-76
MX-3974/ARM-26	Test Adapter	A plug-in. U/W a modified TS-1081/ARM-26 in testing. Stabilized Master Oscillator RT-594/ARC-38A.	Radio Corp of Amer 8314535-501	N-61-W-2696		P/O MK-650/ARM-26
MX-3975/ARM-26	Test Adapter	U/W modified TS-1082/ARM-26 to test the several modules of AN/ARC-38A.	Radio Corp of Amer 8316537-501	N-61-W-2697		P/O MK-650/ARM-26
MX-3978()/GKA-5 (V) MX-3978/GKA-5 (V)	Standing Wave Ratio Voltage Alarm	Checks reflected wave; provides audio and visual alarm for excessive VSWR in RF output circuitry.	Radio Corp of Amer 8742245-501	WL-61-3759		P/O AN/GKA-5(V)
MX-3985()/GSM-76	Test Data Recorder Subassembly	Records tape nature and location (address) of reject in a printed code on 2.5" paper.	Lavoie Labs	SIMSA-61-469		P/O AN/GSM-76() U/W AN/GSM-72()
MX-3986()/GSW-4 MX-3986/GSW-4	Voice Reporting Signal Assembly	Receives fault and targeting status from other launch facility equipment and provides an audio report.	Nortronics 09621000	WDD-62-3995		P/O AN/GSW-4 U/W OA-3388/GSW-4
MX-3991()/V MX-3991/V	Decade Resistor	1 to 111, 1100Ω in 1Ω steps; negligible inductance; temperature and frequency compensated. General purpose.	General Radio Co 1432-M	N-61-W-1994		P/O AN/ASM-82
MX-3992()/V MX-3992/V	Decade Resistor	1Ω to 1MΩ in 10Ω steps; negligible inductance; temperature and frequency compensated. General purpose.	General Radio Co 1432-P	N-61-E-1997		P/O AN/ASM-82
MX-3993()/U MX-3993/U	Decade Resistor	0.1 to 11, 111Ω in 0.1Ω steps; negligible inductance; temperature and frequency compensated.	General Radio Co 1432-N	N-61-W-1996		P/O AN/ASM-82
MX-3994()/GSG MX-3994/GSG	Card Extender	Provides accessibility to printed circuit boards during maintenance.	Martin Co 623-7017000	SIMSA-61-593		P/O MK-658/GSG
MX-3995()/GSG MX-3995/GSG	Card Extender	Provides accessibility to printed circuit boards during maintenance.	Martin Co PS533700001F	SIMSA-61-598		P/O MK-658/GSG
MX-3996()/GJQ-17-T MX-3996/GJQ-17-T	Electronic Circuit Malfunction Programmer	Programs 7 malfunctions for training purposes by using a matrix board and templates.	AC Spark Plug 7865965	WDD-61-790		P/O AN/GJQ-17-T1 AN/GJQ-17-T2

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-3997()/GJQ-17-T MX-3997/GJQ-17-T	Electronic Circuit Malfunction Programmer	Programs 4 malfunctions for training purposes by using a matrix board and templates.	AC Spark Plug 7865966	WDD-61-791		P/O AN/GJQ-17-T1 AN/GJQ-17-T2
MX-3998()/GJQ-17-T MX-3998/GJQ-17-T	Electronic Circuit Malfunction Programmer	Programs 8 malfunctions for training purposes by using a matrix board and templates.	AC Spark Plug 7865964	WDD-61-792		P/O AN/GJQ-17-T1 AN/GJQ-17-T2
MX-3999()/GJQ-17-T MX-3999/GJQ-17-T	Electronic Circuit Malfunction Programmer	Programs 7 malfunctions for training purposes by using a matrix board and templates.	AC Spark Plug 7865968	WDD-61-793		P/O AN/GJQ-17-T1 AN/GJQ-17-T2
MX-4000()/GJQ-17-T MX-4000/GJQ-17-T	Electronic Circuit Malfunction Programmer	Programs 6 malfunctions for training purposes by using a matrix board and templates.	AC Spark Plug 7865969	WDD-61-794		P/O AN/GJQ-17-T1 AN/GJQ-17-T2
MX-4001()/GJQ-17-T MX-4001/GJQ-17-T	Electronic Circuit Malfunction Programmer	Programs 7 malfunctions for training purposes by using a matrix board and templates.	AC Spark Plug 7865970	WDD-61-795		P/O AN/GJQ-17-T1 AN/GJQ-17-T2
MX-4002()/GJQ-17-T MX-4002/GJQ-17-T	Electronic Circuit Malfunction Programmer	Programs 20 malfunctions for training purposes by using a matrix board and templates.	AC Spark Plug 7865964	WDD-61-796		P/O AN/GJQ-17-T1 AN/GJQ-17-T2
MX-4003()/GJQ-17-T MX-4003/GJQ-17-T	Electronic Circuit Malfunction Programmer	Programs malfunctions for training purposes by using a matrix board and templates.	AC Spark Plug 7865963	WDD-61-797		P/O AN/GJQ-17-T1 AN/GJQ-17-T2
MX-4004()/APM-159 MX-4004/APM-159	Test Adapter	Provides circuitry to adapt the test set for testing of additional plug-in units.	IBM Corp 6618800	AEL-62-16		P/O AN/APM-159
MX-4019()/ASM-85 MX-4019/ASM-85	Electrical Module Extender	Provides fixture and connections for bearing servo module of KY-312/ASQ-19 when removed from chassis.	Collins Radio 522-6030-004	N-62-W-181	MIL-H-15362B (Aer)	P/O AN/ASM-85
MX-4020()/ASM-85 MX-4020/ASM-85	Electrical Module Extender	Provides fixture and connections for distance servo module of KY-312/ASQ-19 when removed from chassis.	Collins Radio 522-6031-004	N-62-W-182	MIL-H-15362B (Aer)	P/O AN/ASM-85
MX-4021()/ASM-85 MX-4021/ASM-85	Electrical Module Extender	Provides fixture and connections for coarse bearing detector module of KY-312/ASQ-19 when removed from chassis.	Collins Radio 522-6032-004	N-62-W-183	MIL-H-15362B (Aer)	P/O AN/ASM-85
MX-4022()/ASM-85 MX-4022/ASM-85	Electrical Module Extender	Provides fixture and connections for interrogation pulse generator module of KY-312/ASQ-19 when removed from chassis.	Collins Radio 522-6033-004	N-62-W-184	MIL-H-15362B (Aer)	P/O AN/ASM-85
MX-4023()/ASM-85 MX-4023/ASM-85	Electrical Module Extender	Provides fixture and connections for time discriminator module of KY-312/ASQ-19 when removed from chassis.	Collins Radio 522-6034-004	N-62-W-185	MIL-H-15362B (Aer)	P/O AN/ASM-85
MX-4024()/ASM-85 MX-4024/ASM-85	Electrical Module Extender	Provides fixture and connections for distance decoder module of KY-312/ASQ-19 when removed from chassis.	Collins Radio 522-6035-004	N-62-W-186	MIL-H-15362B (Aer)	P/O AN/ASM-85
MX-4025()/ASM-85 MX-4025/ASM-85	Electrical Module Extender	Provides fixture and connections for bearing decoder module of KY-312/ASQ-19 when removed from chassis.	Collins Radio 522-6036-004	N-62-W-187	MIL-H-15362B (Aer)	P/O AN/ASM-85
MX-4026()/ASM-85 MX-4026/ASM-85	Electrical Module Extender	Provides fixture and connections for fine bearing detector module of KY-312/ASQ-19 when removed from chassis.	Collins Radio 522-6037-004	N-62-W-188	MIL-H-15362B (Aer)	P/O AN/ASM-85
MX-4027()/ASM-85 MX-4027/ASM-85	Electrical Module Extender	Provides fixture and connections for modulator section module of RT-547/ASQ-19.	Collins Radio 522-6038-005	N-62-W-189	MIL-H-15362B (Aer)	P/O AN/ASM-85
MX-4028()/ASM-86 MX-4028/ASM-86	Electrical Module Extender	Provides fixture and connections for AOC module of KY-311/ASQ-19 when removed from chassis.	Collins Radio 522-6039-004	N-62-W-193	MIL-H-15362B (Aer)	P/O AN/ASM-86
MX-4029()/ASM-86 MX-4029/ASM-86	Electrical Module Extender	Provides fixture and connections for IF module of KY-311/ASQ-19 when removed from chassis.	Collins Radio 522-2843-00	N-62-W-194	MIL-H-15362B (Aer)	P/O AN/ASM-86
MX-4033()/GSA-55 MX-4033/GSA-55	Power-Signal Distribution Unit	Distributes both power and signals to the test message simulator and the digital display indicator. Employs forced air cooling.	Radio Corp of Amer 8315455-501	WL-62-1037		P/O OA-3827/GSA-55
MX-4037()/ASM-35 MX-4037/ASM-35	Program Switch Adapter	Provides facilities to support, connect and adapt the program switch to TS-1683/ASM-35 during test.	Magnavox Co 712946-801	N-62-W-152		P/O AN/ASM-35
MX-4042()/ASW-12(V) MX-4042/ASW-12(V)	Gyro Instrument Testing Tilting Table	Provides roll, pitch and yaw position when testing Displacement Gyroscope CN-601()/ASW-12(V); 15° max tilt.	Sperry Phoenix Co 2585909	SIMSA-61-399		U/W AN/ASW-12(V)
MX-4043()/ASW-12(V) MX-4043/ASW-12(V)	Accelerometer Test Fixture	Provides mounting, excitation and 0.1MΩ load to Aircraft Accelerometer MX-2916/ASW-12(V).	Sperry Phoenix Co 2592044	SIMSA-61-400		U/W AN/ASW-12(V)
MX-4047()/GPS MX-4047/GPS	Printed Circuit Board Extension	Permits ease of testing and trouble shooting.	Westinghouse Electric 350C399G01	WL-62-R-1176		P/O AN/TPS-22 AN/TPS-27 AN/FPS-27
MX-4048()/GPS MX-4048/GPS	Printed Circuit Board Extension	Permits ease of testing and trouble shooting.	Westinghouse Electric 477D332G01	WL-62-1177		P/O AN/FPS-27 AN/TPS-27 AN/TPS-22
MX-4049/USM-116	Test Prod	0 to 300v; 20cps to 100Mc.Up to 700Mc when U/W Radio Frequency Cable Adapter UG-1447/USM-116.	Hickok Electrical Inst 16970-50	N-62-X-393		P/O AN/USM-116
MX-4061/TPS-34	Receiver Subassembly	Provides video and IF circuits for cancellation and suppression of slide lobe and pulse interference. Includes noise generator.	Sperry Gyroscope Co 1040393	N-62-T-242		P/O OA-3853/TPS-34

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MX-4065/DSM-59-T1	Guided Missile Malfunction Setter	Indicates to instructor that operating procedures have been properly performed and interjects a malfunction.		ORDXM-5-62		P/O OA-3833/DSM-59-T1
MX-4066()/GYM-1 MX-4066/GYM-1	Test Adapter	Permits access to points of data analysis central test set which are not joined to main connectors.	Radio Corp of Amer 8321500-501	WDD-62-5933		U/W AN/GYM-1
MX-4067()/GYK-1(V) MX-4067/GYK-1(V)	Test Adapter	Permits access to points of the AF amplifier which are not joined to main connectors.	Radio Corp of Amer 1193091-501	WDD-62-6012		U/W R-1131/GYK-1(V)
MX-4068()/GYK-2 MX-4068/GYK-2	Test Adapter	Permits access to points of the AF detector which are not joined to main connectors.	Radio Corp of Amer 1193090-501	WDD-62-6013		U/W DT-252/GYK-2
MX-4069()/GYK-1(V) MX-4069/GYK-1(V)	Test Adapter	Permits access to points of the missile away indicator which are not joined to main connector.	Radio Corp of Amer 8622842-501	WDD-62-6015		U/W ID-979/GYK-1(V)
MX-4071/TPS-34	Wired Card Adapter	Facilitates maintenance of wired cards.	Sperry Gyroscope Co 1040717	N-62-T-245		P/O MX-4061/TPS-34
MX-4072/GSW-4T1	Amplifier Subassembly	Contains: microphone pre-amplifier, record and reproduce amplifier, oscillator, power supply etc. U/W Tape Deck RO-208/GSW-4T1 for recording and play-back. Response: 40 to 8000cps at 3.75ips, to 12kc at 7.5ips.	Boeing Co 25-29032-4	WDD-61-4561		P/O OA-3865/GSW-4T1
MX-4073/U	Test Prod	Compensated voltage divider prod. Range: dc to 30Mc, Input Z: 10MΩ//10μμf, voltage attenuation: 10 to 1. Useful for reducing oscilloscope circuit loading. Designed to work into 1MΩ//50μμf.	Hickok Electrical Inst 16970-55	N-62-X-398		U/W AN/USM-105 AN/USM-105A AN/USM-117 AN/USM-139,140 141
MX-4074()/DSN-1	Elerudder Assembly Calibration Unit	Used to phase shift the yaw and pitch channel signals to the elerudder rotary drum electromechanical actuator.	Sperry Phoenix Co 2578285	AEPG-24-62	TR CSD-23-59	P/O OA-3866()/DSN-1
MX-4075()/DSN-1	Aileron Assembly Calibration Unit	Used to phase shift the roll channel signal to the aileron rotary drum electro-mechanical actuator.	Sperry Phoenix Co 2578286	AEPG-23-62	TR CSD-23-59	P/O OA-3866()/DSN-1
MX-4076()/AJM-14(V) MX-4076/AJM-14(V)	Signal Isolator	Used to adjust the monitored system output to the recorder input and as an isolation network. Monitors 250 signals (50 at a time; dc to 400cps) from AN/AJM-14(V) on B-52G Aircraft.	Lockheed Electronics 697256-3	AEL-62-261		P/O AN/AJM-14(V)
MX-4078/AAS-14	Test Cable Assembly Set	Contains cable assemblies for maintaining Infrared Detecting Set AN/AAS-14.	HRB-Singer Inc 60976	SIMSA-62-2144		U/W AN/AAS-14
MX-4079/ART-41	Test Cable Assembly Set	Contains cable assemblies for maintaining Radio Transmitting Set AN/ART-41.	HRB-Singer Inc 60977	SIMSA-62-2145		U/W AN/ART-41
MX-4080/TAQ-1	Test Cable Assembly Set	Contains cable assemblies for maintaining Infrared Surveillance Information Center AN/TAQ-1.	HRB-Singer Inc 60979	SIMSA-62-2146		U/W AN/TAQ-1
MX-4083/TRR-15	Test Cable Assembly	Contains cable assemblies for maintaining Radio Receiving Set AN/TRR-15.	HRB-Singer Inc 60978	SIMSA-62-2150		U/W AN/TRR-15
MX-4084()/FPS-27 MX-4084/FPS-27	Printed Circuit Board Extension	Permits ease of testing and trouble shooting.	Westinghouse Electric 378A553G01	WL-62-1180		P/O AN/FPS-27
MX-4085()/FPS-27 MX-4085/FPS-27	Printed Circuit Board Extension	Permits ease by extending the circuit to an accessable position.	Westinghouse Electric 378A559G01	WL-62-1181		P/O AN/FPS-27
MX-4090()/AJM-14(V) MX-4090/AJM-14(V)	Signal Isolator	Used to adjust the monitored system output to the recorder input and as an isolation network. Monitors 250 signals (50 at a time; dc to 400cps) from AN/ASQ-38(V) on B-52C and D Aircraft.	Lockheed Electronics 6013F0001	AEL-62-149		P/O AN/AJM-14(V)
MX-4091()/AJM-14(V) MX-4091/AJM-14(V)	Signal Islator	Same functional description as MX-4090/AJM-14(V). Monitors 250 signals (50 at a time; dc to 400cps) from AN/ASQ-38(V) on B-52E, F and G Aircraft.	Lockheed Electronics 6012F0001	AEL-62-150		P/O AN/AJM-14(V)
MX-4092()/AJM-14(V) MX-4092/AJM-14(V)	Signal Isolator	Same functional description as MX-4090/AJM-14(V). Monitors 250 signals (50 at a time; dc to 400cps) from AN/ASQ-38(V) on B-52H Aircraft.	Lockheed Electronics 6012F1001	AEL-62-151		P/O AN/AJM-14(V)
MX-4095()/ASM-89 MX-4095/ASM-89	Module Extender	Provides test point access to hermetically sealed plug-in modules.	McDonnell Aircraft A05G0008	N-62-W-412	MIL-T-21200 (ASG)	P/O AN/ASM-89
MX-4096()/ASM-89 MX-4096/ASM-89	Module Extender	Provides test point access to hermetically sealed plug-in modules.	McDonnell Aircraft A05G0009	N-62-W-413	MIL-T-21200 (ASG)	P/O AN/ASM-89
MX-4097()/ASM-89 MX-4097/ASM-89	Module Extender	Provides test point access to hermetically sealed plug-in modules.	McDonnell Aircraft	N-62-W-414	MIL-T-21200 (ASG)	P/O AN/ASM-89
MX-4098()/ASM-90 MX-4098/ASM-90	Test Set Adapter	Provides means to adapt AN/ASM-90 to test aircraft not equipped with a test connector.	McDonnell Aircraft A05G0005	N-62-W-418	MIL-T-21200 (ASG)	P/O AN/ASM-90
MX-4100()/GJQ-17 MX-4100/GJQ-17	Test Adapter	Used as control point between component under test and equipment used for metering, power and signals.	AC Spark Plug 7865888	WDD-62-6580		U/W AN/GJQ-17
MX-4101()/GJQ-17 MX-4101/GJQ-17	Test Adapter	Same description as MX-4100/GJQ-17.	AC Spark Plug 7865890	WDD-62-6581		U/W AN/GJQ-17
MX-4102()/GJQ-17 MX-4102/GJQ-17	Test Adapter	Same description as MX-4100/GJQ-17.	AC Spark Plug 7865892	WDD-62-6582		U/W AN/GJQ-17
MX-4103()/GJQ-17 MX-4103/GJQ-17	Test Adapter	Same description as MX-4100/GJQ-17.	AC Spark Plug 7868393	WDD-62-6587		U/W AN/GJQ-17
MX-4104()/GJQ-17 MX-4104/GJQ-17	Cable Breakout Adapter	Provides test points necessary for isolation of malfunctions of AN/GJQ-17.	AC Spark Plug 7869461	WDD-62-6589		U/W AN/GJQ-17

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MX-4105( )/UP	Illuminated Target Fixture	When mounted to RO-166/UP, it is used to focus and align its optical system in same position it would normally attain in aircraft.	Eastman Kodak Inc	SIMSA-62-140		U/W RO-166/UP
MX-4113/GYM-1	Test Adapter	Permits access to circuit points of AN/GYM-1 which are not joined to any pins in main connectors.	Radio Corp of Amer 8622878-501	WDD-62-6014		U/W AN/GYM-1
MX-4114( )/GTM-3 MX-4114/GTM-3	Test Adapter	Permits ease of testing inputs and outputs on individual pin of telephone equipment drawers of minuteman systems complex.	Radio Corp of Amer 1274183-501	WDD-62-6018		P/O AN/GTM-3
MX-4115( )/GTM-3 MX-4115/GTM-3	Headset Adapter	Adapts standard interphone headset used at launch sites to MX-4114/GTM-3 for checking test tone.	Radio Corp of Amer 1270171-2	WDD-62-6020		P/O AN/GTM-3
MX-4119( )/ASM-92 MX-4119/ASM-92	Dial Indicating Scale	Applies predetermined pressure to movable vane of aircraft installed lift transducer. Therefore this simulates the air stream's effect during flight.	Control Electronics C21340	N-62-W-538		P/O AN/ASM-92
MX-4128( )/GSW-4T1 MX-4128/GSW-4T1	Electrical Equipment Unit	Provides items required to support audio equipment located in training units and associated cabinetry.	Boeing Co 25-28890-1	WDD-61-4521		P/O OA-3467/GSW-4T1
MX-4133/GSM-61	Circuit Control Board	Serves an interface switching function, permitting preselected circuitry to be self-tested on Boeing constructed segment of AN/GSM-61.	Boeing Co 25-32805-1	WDD-62-3815		P/O AN/GSM-61
MX-4134( )/GSM-61 MX-4134/GSM-61	Circuit Control Board	Same description as MX-1433/GSM-61.	Boeing Co	WDD-62-3816		P/O AN/GSM-61
MX-4135/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except circuits to be tested are in logic module assembly of MX-3618/GSM-61.	Boeing Co 25-32805-3	WDD-62-3817		P/O OA-3898/GSM-61
MX-4136/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except circuits to be tested are in logic module assembly of MX-4128/GSM-61.	Boeing Co 25-32805-4	WDD-62-3818		P/O OA-3898/GSM-61
MX-4137( )/GSM-61 MX-4137/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except used in testing RCA constructed segment of AN/GSM-61.	Boeing Co	WDD-62-3819		P/O AN/GSM-61
MX-4138( )/GSM-61 MX-4138/GSM-61	Circuit Control Board	Same description as MX-4137/GSM-61.	Boeing Co	WDD-62-3820		P/O AN/GSM-61
MX-4139/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to SG-458/GYK-2.	Boeing Co 25-32805-7	WDD-62-3821		P/O OA-3898/GSM-61
MX-4140/GSM-61	Circuit Control Board	Same description as MX-3133/GSM-61 except permits circuits to be connected to CV-1251/GYK-1(V).	Boeing Co 25-32805-8	WDD-62-3822		P/O OA-3898/GSM-61
MX-4141/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to SM-263/GYK-1(V)	Boeing Co 25-32805-9	WDD-62-3823		P/O OA-3898/GSM-61
MX-4142/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to TD-502/GSW-4.	Boeing Co 25-32805-10	WDD-62-3824		P/O OA-3898/GSM-61
MX-4143/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to C-3725/GSW-4.	Boeing Co 25-32805-11	WDD-62-3825		P/O OA-3898/GSM-61
MX-4144/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to C-3726/GSW-4.	Boeing Co 25-32805-12	WDD-62-3826		P/O OA-3898/GSM-61
MX-4145/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to C-3727/GSW-4.	Boeing Co 25-32805-13	WDD-62-3827		P/O OA-3898/GSM-61
MX-4146/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to CV-1237/GYK-1(V).	Boeing Co 25-32805-14	WDD-62-3828		P/O OA-3898/GSM-61
MX-4147/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3742/GYK-1(V).	Boeing Co 25-32805-15	WDD-62-3829		P/O OA-3898/GSM-61
MX-4148/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuit to be connected to MU-446/GYK-1(V).	Boeing Co 25-32805-16	WDD-62-3830		P/O OA-3898/GSM-61
MX-4149/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuit to be connected to CV-1249/GYK-1(V).	Boeing Co 25-32805-17	WDD-62-3831		P/O OA-3898/GSM-61
MX-4150/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to CV-1250/GYK-1(V).	Boeing Co 25-32805-18	WDD-62-3832		P/O OA-3898/GSM-61
MX-4151/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to CV-1236/GYK-1(V).	Boeing Co 25-32805-19	WDD-62-3833		P/O OA-3989/GSM-61
MX-4152/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3686/GYK-1(V).	Boeing Co 25-32805-20	WDD-62-3834		P/O OA-3898/GSM-61
MX-4153/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected with MX-3687/GYK-1(V).	Boeing Co 25-32805-21	WDD-62-3835		P/O OA-3898/GSM-61
MX-4154/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to CV-1243/GYK-1(V).	Boeing Co 25-32805-22	WDD-62-3836		P/O OA-3898/GSM-61
MX-4155/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to T-869/GYK-1(V).	Boeing Co 25-32805-23	WDD-62-3837		P/O OA-3898/GSM-61

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MX-4156/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to R-1096/GYK-1(V).	Boeing Co 25-32805-24	WDD-62-3838		P/O OA-3898/GSM-61
MX-4157/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to AM-3159/GYK-1(V).	Boeing Co 25-32805-25	WDD-62-3839		P/O OA-3989/GSM-61
MX-4158/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3681/GYK-1(V).	Boeing Co 25-32805-26	WDD-62-3840		P/O OA-3898/GSM-61
MX-4159/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3682/GYK-1(V).	Boeing Co 25-32805-27	WDD-62-3841		P/O OA-3898/GSM-61
MX-4160/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3683/GYK-1(V).	Boeing Co 25-32805-29	WDD-62-3842		P/O OA-3898/GSM-61
MX-4161/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3684/GYK-1(V).	Boeing Co 25-32805-29	WDD-62-3843		P/O OA-3898/GSM-61
MX-4162/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3685/GYK-1(V).	Boeing Co 25-32805-30	WDD-62-3844		P/O OA-3898/GSM-61
MX-4163/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to ID-979/GYK-1(V).	Boeing Co 25-32805-31	WDD-62-3845		P/O OA-3898/GSM-61
MX-4164/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to TA-461/GYK-2.	Boeing Co 25-32805-32	WDD-62-3846		P/O OA-3898/GSM-61
MX-4165/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to RT-646/GYK-2.	Boeing Co 25-32805-33	WDD-62-3847		P/O OA-3898/GSM-61
MX-4166/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3772/GYK-2.	Boeing Co 25-32805-34	WDD-62-3848		P/O OA-3898/GSM-61
MX-4167/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3773/GYK-2.	Boeing Co 25-32805-35	WDD-62-3849		P/O OA-3898/GSM-61
MX-4168/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to CV-1253/GYK-2.	Boeing Co 25-32805-36	WDD-62-3850		P/O OA-3898/GSM-61
MX-4169/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3775/GYK-2.	Boeing Co 25-32805-37	WDD-62-3851		P/O OA-3898/GSM-61
MX-4170/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to MX-3776/GYK-2.	Boeing Co 25-32805-38	WDD-62-3852		P/O OA-3898/GSM-61
MX-4171/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to CV-1254/GYK-2.	Boeing Co 25-32805-39	WDD-62-3915		P/O OA-3898/GSM-61
MX-4172/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to KY-411/GYK-2.	Boeing Co 25-32805-40	WDD-62-3916		P/O OA-3898/GSM-61
MX-4173/GSM-61	Circuit Control Board	Same description as MX-4133/GSM-61 except permits circuits to be connected to sensitive command network equipment test set.	Boeing Co 25-32805-41	WDD-62-3917		P/O OA-3898/GSM-61
MX-4174/GSM-61	Electrical Equipment Cabinet Dummy Drawer	This drawer blocks off cooling air and closes what normally is an RFI gap in cabinet when AN/GSM-61 is in use.	Boeing Co 25-32833-1	WDD-62-3854		P/O AN/GSM-61
MX-4176/U	Module Extender	Provides accessibility to module while in operating condition so conventional test equipment can be used.	Collins Radio 522-2935-005	N-62-T-579		U/W AN/TGA-1 CV-976/U AN/TSC-15
MX-4177/BXQ-1A(V)	Television Camera	Water tight, pressurized television camera for submarine deck installation.	Bendix Friez 1135300-2	N-62-m-513		P/O AN/BXQ-1A(V)
MX-4178()/GJM-15 MX-4178/GJM-15	Test Adapter	Mechanically and electrically adapts tape programmer drawer or digital printer drawer to OA-3544/GJM-15.	Autonetics 7752-85030	WDD-62-3645		P/O OA-3899/GJM-15 OA-3903/GJM-15
MX-4179()/GJM-15 MX-4179/GJM-15	Test Adapter	Mecahnically and electrically adapts the servo analyzer drawer to OA-3544/GJM-15.	Autonetics	WDD-62-3657		P/O OA-3901/GRM-15
MX-4180()/GJM-15 MX-4180/GJM-15	Test Adapter	Mechanically and electrically adapts A to D converter drawer to OA-3544/GJM-15.	Autonetics 7752-850240	WDD-62-3677		P/O OA-3903/GJM-15
MX-4181()/GJM-15 MX-4181/GJM-15	Test Adapter	Mechanically and electrically adapts control indicator drawer to OA-3544/GJM-15.	Autonetics 7752-850026	WDD-62-3678		P/O OA-3903/GJM-15
MX-4182()/GJM-15 MX-4182/GJM-15	Test Adapter	Mechanically and electrically adapts control-guidance coupler drawer to OA-3544/GJM-15.	Autonetics 7752-850748	WDD-62-3682		P/O OA-3904/GJM-15
MX-4183()/GJM-15 MX-4183/GJM-15	Tape Programmer Tape-Circuit Board Control	Consists of a programmed-punched electronic tape and its corresponding electronic circuit board.	Autonetics 7064-850670	WDD-62-3641		P/O OA-3899/GJM-15
MX-4184()/GJM-15 MX-4184/GJM-15	Tape Programmer Controller Tape-Circuit Board Control	Same description as MX-4183/GJM-15.	Autonetics 7064-850671	WDD-62-3642		P/O OA-3899/GJM-15
MX-4190()/GJM-15 MX-4190/GJM-15	Computer Coupler Tape-Circuit Board Control	Programmed-punched electronic tape and corresponding circuitry to fault-isolate the Computer Coupler Draw of the OA-3532/GJM-15.	Autonetics 7064-850677	WDD-62-3653		P/O OA-3901/GJM-15

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-4191()/GJM-15 MX-4191/GJM-15	Signal Conditioner Tape-Circuit Board Control	Same description as MX-4190/GJM-15.	Autonetics 7064-850678	WDD-62-3654		P/O OA-3901/GJM-15
MX-4192()/GJM-15 MX-4192/GJM-15	Remote Switching Analog Control Tape-Circuit Board Control	Programmed-punched electronic tape and corresponding circuitry to fault-isolate the Remote Switching Analog Control Drawer of the OA-3532/GJM-15.	Autonetics 7064-850679	WDD-62-3655		P/O OA-3901/GJM-15
MX-4194()/GJM-15 MX-4194/GJM-15	Ground Electronics System Test Group Tape-Circuit Board Control	Cancelled 10 April 1962.		WDD-62-C-3698		
MX-4195()/GJM-15 MX-4195/GJM-15	Switching Coupler Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate Switching Coupler Drawer of the OA-3544/GJM-15.	Autonetics 7064-850687	WDD-62-3661		P/O OA-3902/GJM-15
MX-4196()/GJM-15 MX-4196/GJM-15	Signal Data Converter Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate Signal Data Converter Drawer of the OA-3544/GJM-15.	Autonetics 7064-850688	WDD-62-3662		P/O OA-3902/GJM-15
MX-4197()/GJM-15 MX-4197/GJM-15	Signal Generator Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the Signal Generator Drawer of the OA-3544/GJM-15.	Autonetics 7064-850690	WDD-62-3663		P/O OA-3902/GJM-15
MX-4198()/GJM-15 MX-4198/GJM-15	Selector Control Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the Selector Control Drawer of the OA-3544/GJM-15.	Autonetics 7064-850691	WDD-61-3664		P/O OA-3902/GJM-15
MX-4199()/GJM-15 MX-4199/GJM-15	Remote Switching Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault isolate the Remote Switching Drawer of the OA-3544/GJM-15.	Autonetics 7064-850692	WDD-61-3665		P/O OA-3902/GJM-15
MX-4200()/GJM-15 MX-4200/GJM-15	Control-Decoder Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the Control Decoder Drawer of the OA-3544/GJM-15.	Autonetics 7064-85093	WDD-62-3666		P/O OA-3902/GJM-15
MX-4201()/GJM-15 MX-4201/GJM-15	Internal Power Supply Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the Internal Power Supply Drawer of the OA-3544/GJM-15.	Autonetics 7064-850694	WDD-62-3667		P/O OA-3902/GJM-15
MX-4202()/GJM-15 MX-4202/GJM-15	External Power-Supply Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the External Power Supply Drawer of the OA-3544/GJM-15.	Autonetics 7064-850695	WDD-62-3668		P/O OA-3902/GJM-15
MX-4203()/GJM-15 MX-4203/GJM-15	Analog-To-Digital Converter Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the Analog-To-Digital Converter Drawer of the AN/GJM-15.	Autonetics 7064-850681	WDD-62-3671		P/O OA-3903/GJM-15
MX-4204()/GJM-15 MX-4204/GJM-15	Digital Comparator Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault isolate the Digital Comparator Drawer of the AN/GJM-15.	Autonetics 7064-850682	WDD-62-3672		P/O OA-3903/GJM-15
MX-4204()/GJM-15 MX-4204/GJM-15	Electronic Counter Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault isolate the Electronic Counter Drawer of the AN/GJM-15.	Autonetics 7064-850683	WDD-62-3673		P/O OA-3903/GJM-15
MX-4206()/GJM-15 MX-4206/GJM-15	Command Signal Decoder Tape Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the Command Signal Decoder Drawer of the AN/GJM-15.	Autonetics 7064-850696	WDD-62-3674		P/O OA-3903/GJM-15
MX-4209()/GSM-15 MX-4209/GSM-15	Control Guidance Coupler Tape-Circuit Board Control	U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the Control-Guidance Drawer of the Control-Guidance Coupler AN/GJM-17.	Autonetics 7064-850697	WDD-62-3681		P/O OA-3904/GJM-15
MX-4210()/FPS-35 MX-4210/FPS-35	Delay Line Assembly	Delays input video signals that are used in the realignment, integration and cancellation process in the system.	Sperry Gyroscope Co 1017401	WL-62-1691		P/O OA-3905/FPS-35 U/W OA-1919A/FPS-35
MX-4214/GSM-61	Logic Module Assembly	Provides loads and stimuli signals to the equipment under test, and conditions the output of the drawer for evaluation.	Boeing Co 25-31602-1	WDD-62-3809		P/O AN/GSM-61
MX-4214A/GSM-61	Logic Module Assembly	Same description as MX-4214/GSM-61.	Boeing Co 25-31602-9	WDD-62-4738		P/O AN/GSM-61A
MX-4215()/MSQ-48	Phase Measuring Acquisition Control Unit	Provides the phase measuring for ranging purpose and the acquisition control and logic.	Internat'l Tel & Tel NUS 5139	AEPG 109-62		P/O OA-3928()/MSQ-48
MX-4217/B	Cable Termination Tip	For use in terminating the end of the RF Bouyant Cable, RG-298/U.		N-62-X-676		
MX-4218()/AAM	Optical Test Table	An electrically driven mechanism fixed underneath the optical scanner to gyrate the mirror so that a presentation and recording may be made.	HRB Singer Inc 67812	SIMSA-62-142		U/W AN/AAM-9() AN/AAM-10() AN/AAM-11()
MX-4221/GXQ	Television Display Projector	Cancelled.		N-62-X-1405		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-4231/GSW-4T1	Distribution Drawer-Power Supply	Provides a source of dc power derived from an external ac source for externally located WS-133A Training Equipment.	Boeing Co 25-33028-1	WDD-62-3922		
MX-4232/GSW-4T1	Distribution Drawer	Provides a switching capability for externally located WS-133A Training Equipment.	Boeing Co 25-33029-1	WDD-62-3923		P/O OA-3924/GSW-4T1
MX-4233/SQS-26AX	Sonar Monitor	Monitors transmitter output power, and receiver noise level.	General Electric 731483602	N-62-n-2336		P/O AN/SQS-26AX
MX-4242()/UQN-1	Voltage Divider Network	Acts as interlock to prevent AN/UQN-1 series recorder marking during calibration of MX-4241()/UQN-1.	Edo Corp X34894	N-62-n-794		U/W AN/UQN-1 series
MX-4243()/GJM-15 MX-4243/GJM-15	Test Adapter	Mechanically and electrically adapts the servo analyzer drawer to the OA-3901/GJM-15 test position.	Autonetics	WDD-62-3689		P/O OA-3901/GJM-15
MX-4247()/GSW-4T1 MX-4247/GSW-4T1	Distribution Drawer	Provides power distribution facilities for Trainer Electrical Group WDD-61-4554.	Boeing Co	WDD-61-4558		
MX-4253()/DJW-17 MX-4253/DJW-17	Guided Missile Accelerometer Assembly	Cancelled 19 November 1962.		WDD-62-C-11082		
MX-4254()/USM-129A MX-4254/USM-129A	Plug-in Signal Source	Provides a source of RF power from 18 to 22kMc.		SMUFA-63-0335		P/O MX-3174A/USM-129
MX-4255()/USM-129A MX-4255/USM-129A	Plug-in Signal Source	Provides a source of RF power from 22 to 25kMc.		SMUFA-63-0336		P/O MX-3174A/USM-129
MX-4256()/USM-129A MX-4256/USM-129A	Plug-in Signal Source	Provides a source of RF power from 24 to 27.8kMc.		SMUFA-63-0337		P/O MX-3175A/USM-129
MX-4257()/USM-129A MX-4257/USM-129A	Plug-in Signal Source	Provides a source of RF power from 27.8 to 32.2kMc.		SMUFA-63-0338		P/O MX-3175A/USM-129
MX-4258()/USM-129A MX-4258/USM-129A	Plug-In Signal Source	Provides a source of RF power from 32.2 to 37.5kMc.		SMUFA-63-0339		P/O MX-3175A/USM-129
MX-4259()/USM-129A MX-4259/USM-129A	Plug-in Signal Source	Provides a source of RF power from 35 to 40kMc.		SMUFA-63-0340		P/O MX-3175A/USM-129
MX-4269()/GSM MX-4269/GSM	Test Set Group Programmer-Adapter	U/W Test Set Group OA-2131/GSM to accurately test complex relay systems, switches, and timers.	Gen Dynamics/Astro 27-39007-5	WDD-62-2033		U/W OA-2131/GSM
MX-4270()/GSM MX-4270/GSM	Test Set Group Programmer-Adapter	Same description as MX-4269/GSM.	Gen Dynamics/Astro 27-39007-3	WDD-62-2007		U/W OA-2131/GSM
MX-4273()/GSM-72	Test Point Multiplier	Increases the number of test points of the AN/GSM-72() Electronic Circuit Test Set from 250 to 500.	Lavoie Labs LA-309-2	SIMSA-62-209		U/W AN/GSM-72()
MX-4283()/GSM-82 MX-4283/GSM-82	Programmer Group Adapter-Connector	Provides interconnection between the power supply under test and the test set.	Boeing Co 25-34012-1	WDD-62-4317		P/O AN/GSM-82
MX-4283()/GSM-82(V) MX-4283/GSM-82(V)	Programmer-Group Adapter Connector	Same description as MX-4283/GSM-82.	Boeing Co 25-34012-1	WDD-62-11772		P/O AN/GSM-82(V)
MX-4304/SPG-49A	Velocity Sampler	Provides video drive for the indicator and velocity gate used to unblank the indicator. Also develops velocity sweep to aid in acquiring in velocity.	Sperry Gyroscope Co 1040174	N-62-W-1041		P/O OA-3994/SPG-49A
MX-4305()/GJA-19 MX-4305/GJA-19	Power Supply Tape-Circuit Board Control	Tape programmed control unit U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the power supply drawer of the Missile Targeting Set AN/FJQ-20&().	Autonetics	WDD-62-3714		P/O AN/GJA-19
MX-4306()/GJA-19 MX-4306/GJA-19	Electronic Command Signals Programmer Tape Circuit Board Control	Same description as MX-4305/GJA-19, but fault isolates electronic command signals programmer drawer of AN/GJQ-20 Missile Targeting Set.	Autonetics 7064-850540	WDD-62-R-11071		P/O AN/GJA-19
MX-4307()/GJA-20 MX-4307/GJA-20	Power Supply Tape-Circuit Board Control	Same description as MX-4305/GJA-19 except fault-isolates power supply drawer of the CU-1066/GJQ-() Control Guidance Coupler.	Autonetics	WDD-62-3717		P/O AN/GJA-20
MX-4308()/GJA-20 MX-4308/GJA-20	Logic Coupler Tape-Circuit Board Control	Tape programmed unit U/W AN/GJM-15 to fault-isolate the logic coupler drawer of the CU-1066/GJQ&() Control Guidance Coupler.	Autonetics	WDD-62-3718		P/O AN/GJA-20
MX-4309()/GJA-21 MX-4309/GJA-21	Control Guidance Coupler Tape-Circuit Board Control	Tape programmed unit U/W OA-3544/GJM-15 and AN/GJM-15 to fault-isolate the Control-Guidance Coupler Tester AN/GJM-78.	Autonetics	WDD-62-3720		P/O AN/GJA-21
MX-4315()/AS MX-4315/AS	Communications Relay Test Probe Assembly	Provides resistive loads, voltage dividers, and detectors to convert the CNI unit signals to a more useable form. Connects the RT-559/ASQ-58 to the OA-3912()/ASM-93.	Collins Radio 522-6554-006	N-62-W-1138		P/O OA-3743/ASA-48 U/W OA-3912/ASM-93
MX-4316()/FSQ-42 MX-4316/FSQ-42	Voltage Regulator Assembly	Performs part of the limiting function within a voltage regulator circuit.	Radio Corp of Amer 8602932-501	WL-62-2404		P/O OA-4029/FSQ-42

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MX-4317()/PPS-4	Test Shield	Prevents body capacitance from affecting final alignment and calibration adjustments on Radar Set AN/PPS-4 at 4th and 5th echelon.		SIMSA-62-279		P/O MK-541()/PPS-4
MX-4318() ASM-99 MX-4318/ASM-99	Phase Shift Dummy Converter	Provides attenuation and impedance match during test operation when phase shift is not required.	Magnavox Co 713479-801	N-62-W-990		P/O AN/ASM-99
MX-4319()/AAM-11 MX-4319/AAM-11	Alignment Plate	Aligns Thermal Sensitivity Test Set TS-1802/AAM-11 at right angles and provides mountings for MX-4320/AAM-11 Mirror Assembly.	HRB-Singer Inc 60391	SIMSA-62-2534		P/O AN/AAM-11
MX-4320()/AAM-11 MX-4320/AAM-11	Mirror Assembly	A two sided first surface mirror mounted on MX-4319/AAM-11 Aignment Plate. Used to detect infrared radiation with TS-1802/AAM-11.	HRB-Singer Inc 60388	SIMSA-62-2535		P/O AN/AAM-11
MX-4321()/GVQ-5 MX-4321/GVQ-5	Azimuth Alignment Set Prism	Provides a precise azimuth reference for training purposes. The prism's azimuth is determined by a geodetic survey.	AC Spark Plug 7869911	WDD-62-6627		U/W AN/GVQ-5
MX-4323()/PPS-4	Impedance Matching Network	Matches impedance of Radar Set AN/PPS-4 components to test equipment for maintenance.	Lel Inc 1127	SIMSA-62-297		P/O MK-541()/PPS-4
MX-4324/GSW-4T1	Indicator Lamp Driver	Transistorized relay driver indicates via a flashing lamp regardless of speaker volume, that an instructor is speaking to a student.	Boeing Co 29-25411-1	WDD-62-4348		P/O OA-4030/GSW-4T1
MX-4325/GSW-4T1	Relay Driver	Provides a difference amplification for 5 inputs. The driver drives training signaling circuitry relays.	Boeing Co 29-25079-1	WDD-62-4347		P/O OA-4030/GSW-4T1
MX-4335/GSW-4T1	Lamp Pre-Heat Network	Provides heating voltage for all indicator lamps of Instructor Training Console OA-3465/GSW-4T1.	Boeing Co 25-32292-1	WDD-62-3900		P/O OA-3466/GSW-4T1
MX-4337/GSW-4T1	Logic Module Assembly	Processes the simulated launch votes and determines time of simulated launch.	Boeing Co 25-29933-1	WDD-62-3876		P/O OA-3469/GSW-4T1
MX-4338/GSW-4T1	Logic Module Assembly	Excites the launch sequencer Logic Module Assembly MX-4337/GSW-4T1 and analyzes the Simulator Group OA-3469/GSW-4T1.	Boeing Co 25-32405-1	WDD-62-3877		P/O OA-3469/GSW-4T1
MX-4339/GSW-4T1	Logic Module Assembly	Receives and processes simulated War Plan "B" Fault Signals and command line command signals.	Boeing Co 25-32406-1	WDD-62-3878		P/O OA-3469/GSW-4T1
MX-4340/GSW-4T1	Logic Module Assembly	Furnishes the timing for the launch sequencer and processes the reset and critical commands Logic Module Assembly MX-4337/GSW-4T1.	Boeing Co 25-32407-1	WDD-62-3879		P/O OA-3469/GSW-4T1
MX-4341/GSW-4T1	Logic Module Assembly	Stores and analyzes the simulated launch vote commands and initiates voltage enabling levels. Also contains 5 status line driver modules.	Boeing Co 25-29932-1	WDD-62-3880		P/O OA-3469/GSW-4T1
MX-4342/GSW-4T1	Logic Module Assembly	Analyzes and processes the simulated launch command as opposed to any simulated inhibiting function.	Boeing Co 2529934-1	WDD-62-3881		P/O OA-3469/GSW-4T1
MX-4343/GSW-4T1	Patching Panel Holder	Provides positioning, holding, and connections for panels which program various time intervals in Logic Module Assembly MX-4340/GSW-4T1.	Amp Inc 695305-3	WDD-62-3882		P/O OA-3469/GSW-4T1
MX-4347/GSW-4T2	Electrical Equipment Unit	Provides telephone circuit amplification, master telephone circuit attenuation, and circuit test jacks.	Boeing Co 25-31821-19	WDD-62-4512		P/O OA-4073/GSW-4T2
MX-4348/GSW-4T2	Tip and Terminal Jack Assembly	Provides circuit test jacks and tie point for the communications circuits simulator group.	Boeing Co 25-31825-6	WDD-62-4524		P/O OA-4074/GSW-4T2
MX-4349/GSW-4T2	Circuit Control Board	Used to functionally test the launch control equipment starter group.	Boeing Co 25-34242-1	WDD-62-4644		P/O OA-4076/GSW-4T2
MX-4350/GSW-4T2	Circuit Control Board	Used to functionally test the control-monitor.	Boeing Co 25-34242-2	WDD-62-4645		P/O OA-4076/GSW-4T2
MX-4351/GSW-4T2	Circuit Control Board	Performs specific test for monitor simulator group.	Boeing Co 25-34242-3	WDD-62-4646		P/O OA-4076/GSW-4T2
MX-4352/GSW-4T2	Circuit Control Board	Used to functionally test the Monitor-Simulator Group OA-4064/GSW-4T2.	Boeing Co 25-34242-4	WDD-62-4647		P/O OA-4076/GSW-4T2
MX-4353/GSW-4T2	Circuit Control Board	Used to functionally test the control monitor.	Boeing Co 25-34242-5	WDD-62-4648		P/O OA-4076/GSW-4T2
MX-4354/GSW-4T2	Circuit Control Board	Used to functionally test the communications control simulator group.	Boeing Co 25-34242-6	WDD-62-4649		P/O OA-4076/GSW-4T2
MX-4355/GSW-4T2	Circuit Control Board	Used to functionally test the Communications Circuits Simulator Group OA-4074/GSW-4T2.	Boeing Co 25-34242-7	WDD-62-4650		P/O OA-4076/GSW-4T2
MX-4356/GSW-4T2	Circuit Control Board	Used to functionally test the Communications Circuits Simulator Group OA-4074/GSW-4T2.	Boeing Co 25-34242-8	WDD-62-4651		P/O OA-4076/GSW-4T2
MX-4357/GSW-4T2	Circuit Control Board	Used to functionally test the communications control simulator group.	Boeing Co 25-34242-9	WDD-62-4652		P/O OA-4076/GSW-4T2
MX-4358/GSW-4T2	Circuit Control Board	Used to functionally test Control Monitor C-4240/GSW-4T2.	Boeing Co 25-34242-10	WDD-62-4653		P/O OA-4076/GSW-4T2
MX-4359/GSW-4T1	Electrical Equipment Unit	Provides switching and matching networks for audio communications between Ballistic Missile Trainer AN/GSW-4T1 Equipment.	Boeing Co 25-30923-2	WDD-62-4041		P/O OA-4041/GSW-4T1

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-4361/GSM-61	Circuit Control Board	Performs interface switching function; permits connections for testing circuits in the Data Analysis Central AN/GYK-1(V).	Boeing Co 25-32805-44	WDD-62-4557		P/O OA-3898/GSM-61
MX-4364/GSW-4T2	Circuit Control Board	Used to functionally test the Simulator Telephone Circuitry SM-305/GSW-4T2.	Boeing Co 25-34242-11	WDD-62-4656		P/O OA-4076/GSW-4T2
MX-4365/GSW-4T2	Circuit Control Board	Used to functionally test the Communications Circuits Control C-424/GSW-4T2.	Boeing Co 25-34242-12	WDD-62-4657		P/O OA-4076/GSW-4T2
MX-4366/GSW-4T2	Circuit Control Board	Used to functionally test the Telephone Circuits Control CA-4242/GSW-4T2.	Boeing Co 25-34242-13	WDD-62-4658		P/O OA-4076/GSW-4T2
MX-4367/GSW-4T2	Circuit Control Board	Used to functionally test the Telephone Circuits Control C-4243/GSW-4T2.	Boeing Co 25-34242-14	WDD-62-4659		P/O OA-4076/GSW-4T2
MX-4368/GSW-4T2	Circuit Control Board	Used to functionally test the Telephone Circuits Control CG-4244/GSW-4T2.	Boeing Co 25-34242-15	WDD-62-4660		P/O OA-4076/GSW-4T2
MX-4369/GSW-4T2	Circuit Control Board	Used to functionally test the Control-Monitor C-4245/GSW-4T2.	Boeing Co 25-34242-16	WDD-62-4661		P/O OA-4076/GSW-4T2
MX-4370/GSW-4T2	Circuit Control Board	Used to functionally test the Communications Circuits Control CG-4246/GSW-4T2.	Boeing Co 25-34242-17	WDD-62-4662		P/O OA-4076/GSW-4T2
MX-4371/GSW-4T2	Circuit Control Board	Used to functionally test the Communications Circuits Control CA-4247/GSW-4T2.	Boeing Co 25-34242-18	WDD-62-4663		P/O OA-4076/GSW-4T2
MX-4372/GSW-4T2	Circuit Control Board	Used to functionally test the OA-4076/GSW-4T2.	Boeing Co 25-34242-19	WDD-62-4664		P/O OA-4076/GSW-4T2
MX-4373/GSW-4T2	Circuit Control Board	Used to functionally test the OA-4076/GSW-4T2.	Boeing Co 25-34242-20	WDD-62-4665		P/O OA-4076/GSW-4T2
MX-4374/GSW-4T2	Test Adapter	Adds to versatility of Dit-Mco Test Set and Provides for power isolation between test circuits.	Boeing Co 25-34244-10	WDD-62-4667		P/O OA-4076/GSW-4T2
MX-4379()/ARM-64 MX-4379/ARM-64	Test Adapter	Permits removal of modules and provides test and signal insertion points for trouble shooting.	Magnavox Co 708730-801	AEL-62-338		P/O AN/ARM-64
MX-4380()/ARM-64 MX-4380/ARM-64	Manual Drive Tuned Cavity Adapter	Used to time cavity during test operations.	Magnavox Co 713162-801	AEL-62-363		P/O AN/ARM-64
MX-4381()/ARM-64 MX-4381/ARM-64	Plug Dummy Connector	Used to complete circuits in the AM-3243 Amplifier during tests.	Magnavox Co 188636-801	AEL-62-364		P/O AN/ARM-64
MX-4382()/ARM-65 MX-4382/ARM-65	Delay Line	Delay: 685.5μsec ±0.5; driving frequency: 6OMc.	Magnavox Co 708675-801	AEL-62-353		P/O AN/ARM-65
MX-4383()/ARM-65 MX-4383/ARM-65	Extender Card	Facilitates trouble shooting by making the printed circuit board more accessible.	Magnavox Co 708755-801	AEL-62-368		P/O AN/ARM-65
MX-4384()/ARM-65 MX-4384/ARM-65	Extender Card	Facilitates trouble shooting by making the printed circuit board more accessible.	Magnavox Co 708755-802	AEL-62-369		P/O AN/ARM-65
MX-4385()/ARM-65 MX-4385/ARM-65	Extender Card	Facilitates trouble shooting by making the printed circuit board more accessible.	Magnavox Co	AEL-62-370		P/O AN/ARM-65
MX-4386()/ARM-65 MX-4386/ARM-65	Extender Card	Facilitates trouble shooting by making the printed circuit board more accessible.	Magnavox Co 7087755-804	AEL-62-371		P/O AN/ARM-65
MX-4387()/ARM-65 MX-4387/ARM-65	Extender Card	Facilitates trouble shooting by making the printed circuit board more accessible.	Magnavox Co 708756-801	AEL-62-372		P/O AN/ARM-65
MX-4388()/ARM-65 MX-4388/ARM-65	Extender Card	Facilitates trouble shooting by making the printed circuit board more accessible.	Magnavox Co 708756-802	AEL-62-373		P/O AN/ARM-65
MX-4389()/ARM-65 MX-4389/ARM-65	Extender Card	Facilitates trouble shooting by making the printed circuit board more accessible.	Magnavox Co 708756-803	AEL-62-374		P/O AN/ARM-65
MX-4395()/FPT-8 MX-4395/FPT-8	Waveguide Probe	AN/FPT-7 frequency range: 50Ω Z. Variable element which provides for mismatched power dissipation and improved isolation between the klystron pair.	Continental Electronics 33595-E-2	WL-62-2822		P/O CU-932/FPT-8
MX-4405()/DJW-11A MX-4405/DJW-11A	Missile Guidance Dummy Computer	Provides for training in handling, installation and transportation of Missile Guidance Computer CP-678/DJW-11A.	AC Spark Plug 7870943	WDD-62-6632		U/W CP-678/DJW-11A
MX-4406()/DJW-11A MX-4406/DJW-11A	Dummy Inertial Measurement Unit	Provides for training in handling, installation and transportation of Inertial Measurement Unit MX-4106/DJW-11A.	AC Spark Plug 7870939	WDD-62-6633		U/W AN/DJW-11A
MX-4407/SPM-15	Test Set Programmer	Programs all signals, voltages and leads for module testing by using various patch boards.	Raytheon 4156-5004G1	N-62-W-1475		P/O OA-4120/SPM-15
MX-4408/SPM-15	Transformer Relay Assembly	Controls filament, ac and dc voltages to modules under test.	Raytheon YE 4140-5001G1	N-62-W-1476		P/O OA-4120/SPM-15
MX-4409/SPM-15	Still Picture Viewer	Provides written and pictorial test procedure instructions as a step by step guide to repair and checkout of subassemblies.	Raytheon E4119-5001G1	N-62-W-1477		P/O DA-4120/SPM-15
MX-4410()/GCM MX-4410/GCM	Test Set Subassemblies	Includes mounting facilities for plug-in components of the telephone test set and circuitry for the complete test set.	Lenkurt Electric Co 790-07447-01	WL-62-3007		P/O AN/GCM-2 AN/FCC-17
MX-4419()/PSM-6 MX-4419/PSM-6	Test Adapter	Adapts the release circuitry of the MLU-16/B Bomb Ejection Cartridge to a multitester so that continuity and existance of stray voltages may be checked.		SWV-62-27	MIL-A-27567	U/W MAU-12/A MAU-18/A AN/PSM-6

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MX-4422()/ARM-65 MX-4422/ARM-65	Extender Card	Used to move printed circuit board into a more accessible position for trouble shooting.	Magnavox Co 708756-804	AEL-62-469		P/O AN/ARM-65
MX-4423()/ARM-65 MX-4423/ARM-65	Extender Card	Same description as MX-4422/ARM-65.	Magnavox Co 708756-805	AEL-62-470		P/O AN/ARM-65
MX-4431()/DSM-66 MX-4431/DSM-66	Test Shield	Provides electromagnetic shielding for target detecting device, MK 15 Mod 0.		N-62-W-1560		P/O AN/DSM-66
MX-4453()/GSM-82	Test Adapter	Provides interconnection between CV-1288/GSQ-54 and TS-1825/GSM-82.	Boeing Co 25-35658-1	WDD-62-4695		P/O AN/GSM-82 U/W TS-1825/GSM-82
MX-4453()/GSM-82(V) MX-4453/GSM-82(V)	Test Adapter	Provides interconnection between CV-1288/GSQ-54 and TS-1825/GSM-82(V).	Boeing Co 25-33806-1	WDD-62-11789		P/O AN/GSM-82(V) U/W TS-1825/GSM-82(V)
MX-4454/UP	Plug-in Unit Extender	Holds printed circuit card in radar range calibrator in a more convenient position for servicing.	Loral Electronics 145765-000	N-62-X-1673	MIL-P-21466	
MX-4459()/GYK-2 MX-4459/GYK-2	Test Adapter	Permits access to printed circuit boards of command signal decoder which are not joined to any pins within main connectors and makes it possible for test signals to be applied to these points.	Radio Corp of Amer 8321525-501	WDD-62-6041		U/W KY-411/CYK-2
MX-4462/FQQ-2(V)	Delay Line	Similar to Delay Line MX-2289/FQQ-2 but has greater capacity. Delays signals to recorder. Magnetic drum type. 68 phone jack type and 2 connector receptacle type terminals. 40 channels,record heads, and erase heads. 1120 reproduce heads.	Western Electric Co GS56327L2	N-62-n-1613		P/O AN/FQQ-2(V)
MX-4463/FQQ-2(V)	Delay Line	Similar to Delay Line MX-2289/FQQ-2 except has greater capacity. Magnetic drum type. 72 phone jack and 2 connector type terminals. 40 channels, record heads, and erase heads. 1280 reproduce heads. Delays recorder input signals.	Western Electric Co GS56327L3	N-62-n-1614		P/O AN/FQQ-2(V)
MX-4464/FQQ-2(V)	Delay Line	Similar to Delay Line MX-2289/FQQ-2 except has greater capacity. Delays recorder input signals.Magnetic drum type. 70 phone jack type and 2 connector receptacle type terminals. 40 channels, record heads, and erase heads. 1200 reproduce heads.	Western Electric Co GS-56327L4	N-62-n-1615		P/O AN/FQQ-2(V)
MX-4474/U	Waveguide Probe	Cancelled.		N-62-T-2494		
MX-4482()/GSM-45 MX-4482/GSM-45	Radio Frequency Cable Attenuation Test Module	Required for measuring of attenuation 0 to 102db ±10% at 100Mc using the substitution method.		ORDBA-62-0358		P/O AN/GSM-45
MX-4483()/USM-129 MX-4483/USM-129	Plug-in Signal Source	24 to 27.8kMc. Provides radio frequency power within a specified range.		ORDBA-62-0359		P/O MX-3174A/USM-129
MX-4488/GSM-47	Cable Breakout Adapter	Cancelled 25 September 1962.		AEL-62-C-722		
MX-4499/AAM-4	Module Extender	Cancelled 25 October 1962.		NW-62-517		P/O AN/AAM-4
MX-4505()/GSM-61 MX-4505/GSM-61	Circuit Control Board	A manually operated interface switching function permitting preselected circuitry to be connected for the purpose of testing circuits C-3727A/GSW-4.	Boeing Co 25-32805-45	WDD-62-4740		P/O OA-3898/GSM-61
MX-4520()/FSG-1 MX-4520/FSG-1	Multiplexer Group Subassembly	Receives signals from 17 inputs and furnishes output to eight different pieces of equipment.	Martin Co 423-1352000	SIMSA-62-2888		P/O OA-4324/FSG-1
MX-4523()/FSQ-31 MX-4523/FSQ-31	Test Adapter	When performing maintenance on Q-PAC's drawers, the drawers are extended and electrically connected through the adapter.	IBM Corp 3690320	WL-62-3729		U/W AN/FSQ-31
MX-4524()/FSQ-31 MX-4524/FSQ-31	Test Adapter	Permits access of all Q-PAC's pins for voltage and signal measurements by extending pluggable drawer.	IBM Corp 3690300	WL-62-3730		U/W AN/FSQ-31
MX-4525()/FSQ-31 MX-4525/FSQ-31	Test Adapter	Physically supports an extended drawer maintaining electrical connection between drawer and module.	IBM Corp 3690330	WL-62-3731		U/W AN/FSQ-31
MX-4526()/FSQ-31 MX-4526/FSQ-31	Test Adapter	Required to isolate test equipments from ground when measuring voltage which is not at ground potential.	IBM Corp 3204200	WL-62-3733		U/W AN/FSQ-31
MX-4527()/U MX-4527/U	Test Lead	10kc to 600Mc. Test lead for ME-4527/U. 2.5μμf, 10vac max, 400vdc max.	Boonton Electronics 91-3B	SIMSA-62-413 USAEMSA-62-470		P/O AN/URM-145
MX-4528()/U MX-4528/U	Probe Subassembly	A coupler for high impedance RF voltage readings.	Boonton Electronics 91-8B	SIMSA-62-411 USAEMSA-62-471		P/O AN/URM-145
MX-4529()/U MX-4529/U	Probe Subassembly	A test prod tip for high impedance RF voltage.	Boonton Electronics 91-13A	SIMSA-62-412 USAEMSA-62-472		P/O AN/URM-145
MX-4536/MSQ-28B	Test and Alignment Unit	Allows test and alignment of OA-4334/MSQ-28B and OA-4345/MSQ-28B independent of other digital systems. Unit replaces MX-3869/MSQ-28 and not interchangeable.	Hughes Aircraft Co 501268-110	SIMSA-62-2916	SCTR ADA-19A w/amend 1	P/O OA-4333/MSQ-28B
MX-4538()/MSQ-28B MX-4538/MSQ-28B	Console Frame Assembly	Contains: console cabinet, 5 and 12" CRT's, console interlock switch and test point block. Replaces MX-3707/MSQ-28 and is not interchangeable.	Hughes Aircraft Co 501072-110	SIMSA-62-2927	SCTR ADA-19A w/amend 1	P/O OA-4334/MSQ-28B
MX-4539()/MSQ-28B MX-4539/MSQ-28B	Console Frame Assembly	Same description as MX-4538/MSQ-28B except replaces but isn't interchangeable with MX-3706/MSQ-28.	Hughes Aircraft Co 501172-110	SIMSA-62-2934	SCTR ADA-19A w/amend 1	P/O OA-4335/MSQ-28B

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MX-4551( )/GSM-82 MX-4551/GSM-82	Test Adapter	Provides means of testing integrity of AN/GSM-57A front panel adjust pulse generating and forming circuits. Test points are also provided.	Boeing Co 25-35795-1	WDD-62-4760		P/O AN/GSM-82
MX-4551( )/GSM-82(V) MX-4551/GSM-82(V)	Test Adapter	Same description as MX-4551/GSM-82.	Boeing Co 25-35795-1	WDD-62-11794		P/O AN/GSM-82(V)
MX-4554/U	Test Adapter	Used for measuring voltages between center conductor and sheath of a 50Ω transmission line. Max frequency is 1kMc. For field service testing.	Hewlett-Packard 455A	N-62-T-1943		
MX-4555( )/GY MX-4555/GY	Test Adapter	Permits access to circuit points of AN/GYM-1 which are not joined to any main connector pins.	Radio Corp of Amer 8321544-501	WDD-62-6047		P/O AN/GYK-2 MX-3701/GYK-1(V) U/W AN/GYM-1
MX-4560( )/GSM-82(V) MX-4560/GSM-82(V)	Connector Adapter	Provides interconnection between PP-3378/GSM-61 and TS-1862/GSM-82(V).	Boeing Co 25-35896-1	WDD-62-11803		P/O AN/GSM-82(V) U/W TS-1862/GSM-82(V)
MX-4561( )/GSM-82 MX-4561/GSM-82	Connector Adapter	Provides interconnection between PP-3377/GSM-61 and TS-1860/GSM-82.	Boeing Co	WDD-62-4777		P/O AN/GSM-82 U/W TS-1860/GSM-82
MX-4561( )/GSM-82(V) MX-4561/GSM-82(V)	Connector Adapter	Provides interconnection between PP-3377/GSM-61 and TS-1860/GSM-82(V).	Boeing Co 25-35897-1	WDD-62-11802		P/O AN/GSM-82(V) U/W TS-1860/GSM-82(V)
MX-4562( )/GSM-62 MX-4562/GSM-62	Connector Adapter	Provides interconnection between PP-3376/GSM-61 and TS-1861/GSM-82.	Boeing Co	WDD-62-4776		P/O AN/GSM-82 U/W TS-1861/GSM-82
MX-4562( )/GSM-82(V) MX-4562/GSM-82(V)	Connector Adapter	Provides interconnection between PP-3376/GSM-61 and TS-1861/GSM-82(V).	Boeing Co 25-35896-1	WDD-62-11801		P/O AN/GSM-82(V) U/W TS-1861/GSM-82(V)
MX-4565( )/GSM-72	Electrical Contact Fixture	Securely holds printed circuit cards by a clamping action to a pressure connection form to make electrical connections when using AN/GSM-72 to test for defective piece parts in AN/TSQ-8(XC-2), AN/TSQ-36 and AN/TSQ-36A.	Lavoie Labs 35225	SIMSA-62-409		P/O MK-689( )/GSM-72 U/W AN/GSM-72
MX-4582( )/TS	Guided Missile	Capable of introducing pre-selected indications of failure into fault isolation portion of programmer-test station for various assemblies of XM89, XM90, and XM91 training body sections, as well as training warhead sections.		ORDXM-83-62		P/O XM61 U/W XM19
MX-4597( )/ASM-77	Test Adapter	Used to isolate fault between plug-in amplifiers and the remaining and associated circuitry contained in AM-2451/APQ-88 when it goes through test facilities of OA-3735/ASM-77.	Grumman Aircraft	NW-62-149		U/W OA-3735/ASM-77
MX-4601( )/GSM-61 MX-4601/GSM-61	Circuit Control Board	Serves an interface switching function permitting preselected circuitry to be connected for self-test on Boeing segment of AN/GSM-61A.	Boeing Co 25-32805-47	WDD-62-4793		P/O OA-3898/GSM-61
MX-4602( )/GSM-61 MX-4602/GSM-61	Circuit Control Board	Same description as MX-4601/GSM-61 except permits circuits to be connected to MX-4214A/GSM-61.	Boeing Co 25-32805-48	WDD-62-4794		P/O OA-3898/GSM-61
MX-4613/AS	Test Adapter	Elevates certain printed circuit modules found in SM-205/ASA-36 and SM-241/ASA-36A and CV-805/ASW-14 and CV-1200/ASW-14A for test purposes.	Western Electric Co G312351	NW-62-189		P/O AN/ASA-36,36A AN/ASW-14,14A
MX-4614/SSW-1	Test Adapter	Elevates certain printed circuit modules found in CV-799/SSW-1 so that the components and printed wiring may be tested with power applied.	Western Electric Co G-321068	NW-62-183		P/O AN/SSW-1
MX-4615/SSW-1	Test Adapter	Elevates certain printed circuit modules found in AN/SSW-1 above other circuitry so that components and printed wiring may be tested with power applied.	Western Electric Co G-321114	NW-62-184		P/O AN/SSW-1
MX-4619( )/GSM-61 MX-4619/GSM-61	Test Set To Cabinet Adapter	Provides electrical connection between CY-3799/GSM-61 and the test adapter group (AN/GSM-61).	Boeing Co 25-36433	WDD-62-11571		P/O OA-4430/GSM-61
MX-4621( )/GSM-61 MX-4621/GSM-61	Circuit Control Board	Serves an interface switching function permitting preselected circuitry to be connected for purpose of testing circuits in C-3725/GSW-4.	Boeing Co 25-32805-49	WDD-62-11587		P/O OA-3898/GSM-61
MX-4622( )/GRM-55 MX-4622/GRM-55	Test Prod	Detects ac and dc signals in AN/PRC-25.	Radio Corp of Amer SM-C-454625	EMSA-62-479		P/O AN/GRM-55
MX-4632( )/FYQ-8 MX-4632/FYQ-8	Test Adapter	Provides facilities for point to point circuit analysis of printed circuit plug-in units.	Internat'l Tel & Tel	WL-63-R-1732		U/W AN/FYQ-8
MX-4633( )/FYM-6 MX-4633/FYM-6	Test Adapter	Provides facility of electronic circuit plug-in unit under actual operating conditions.	Internat'l Electric 4583717G1	WL-62-4755		P/O AN/FYM-6
MX-4634( )/FYM-6 MX-4634/FYM-6	Test Adapter	Provides facility of testing electronic circuit plug in unit under actual operating conditions.	Internat'l Electric 4583717G2	WL-62-4756		P/O AN/FYM-6
MX-4635( )/FYM-6 MX-4635/FYM-6	Test Adapter	Electrically and physically accommodates electronic circuit plug-in unit connectors for test purposes.	Internat'l Electric 4583717G3	WL-62-4757		P/O AN/FYM-6
MX-4636( )/FYM-6 MX-4636/FYM-6	Test Adapter	Same description as MX-4635/FYM-6.	Internat'l Electric 4583717G4	WL-62-4758		P/O AN/FYM-6
MX-4637( )/FYM-2 MX-4637/FYM-2	Test Adapter	Provides support and physical interconnector to an item of equipment under test to the test equipment.	Internat'l Electric 4583666G1	WL-62-4777		P/O OA-4461/FYM-2
MX-4640( )/GSW-4T2	Test Adapter	Gives test access to individual connector pins and circuits in cabinet of AN/GSW-4T2.	Boeing Co	WDD-62-11678		P/O OA-4076/GSW-4T2
MX-4641( )/GSW-4T2 MX-4641/GSW-4T2	Test Adapter	Gives test access to individual connector pins and circuits in the cabinets of AN/GSW-4T2.	Boeing Co	WDD-62-11679		P/O OA-4076/GSW-4T2
MX-4642( )/GSW-4T2	Test Adapter	Same description as MX-4641/GSW-4T2.		WDD-62-11680		P/O OA-4076/GSW-4T2

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MX-4643()/GSW-4T2 MX-4643/GSW-4T2	Test Adapter	Gives test access to individual connector pins and circuits in the cabinets of AN/GSW-4T2.	Boeing Co	WDD-62-11681		P/O OA-4076/GSW-4T2
MX-4651/USM-174	Waveguide Probe	8.2 to 12.4kMc. Used in detecting RF input signals.	Control Electronics Co C20068-1	N-62-X-2420		P/O AN/USM-174
MX-4652/USM-174	Waveguide Probe	12.4 to 18kMc. Used in detecting RF input signals.	Control Electronics Co C2007-1	N-62-X-2421	SHIPS-3241	P/O AN/USM-174
MX-4653/USM-174	Waveguide Probe	18 to 26.5kMc. Used in detecting RF input signals.	Control Electronics Co C20073-1	N-62-X-2422		P/O AN/USM-174
MX-4654()/ALM-28 MX-4654/ALM-28	Test Adapter	Provides means of connecting to PS-501 module of R-976/ALD-2, with module removed from main chassis.	Paradynamics Inc 22147	NW-62-500		P/O AN/ALM-28 U/W OA-2663/ALD-2
MX-4655()/ALM-28 MX-4655/ALM-28	Test Adapter	Provides means of connecting to AR-301 module of R-976/ALD-2, with module removed from main chassis.	Paradynamics Inc 22148	NW-62-501		P/O AN/ALM-28 U/W OA/2663/ALD-2
MX-4656()/ALM-28 MX-4656/ALM-28	Test Adapter	Provides means of connecting to PS-901 module of R-976/ALD-2, with module removed from main chassis.	Paradynamics Inc 22149	NW-62-502		P/O AN/ALM-28 U/W OA-2663/ALD-2
MX-4657()/ALM-28 MX-4657/ALM-28	Test Adapter	Provides means of connecting to AR-1001 module of R-976/ALD-2, with module removed from main chassis.	Paradynamics Inc 22150	NW-62-503		P/O AN/ALM-28 U/W OA-2663/ALD-2
MX-4658()/ALM-28 MX-4658/ALM-28	Test Adapter	Provides means of connecting to AR-701 module to R-976/ALD-2, with module removed from main chassis.	Control Electronics 22151	NW-62-504		P/O AN/ALM-28 U/W OA-2663/ALD-2
MX-4659()/ALM-28 MX-4659/ALM-28	Test Adapter	Provides means of connecting to AR-801 module of R-976/ALD-2, with module removed from main chassis.	Paradynamics Inc 22152	NW-62-505		P/O AN/ALM-28 U/W OA-2663/ALD-2
MX-4660()/AAM-12 MX-4660/AAM-12	Test Group Frame Assembly	Provides wiring and mounting facilities for parts of OA-4488/AAM-12.	HRB Singer Inc 61324	EMSA-62-3149		P/O OA-4488/AAM-12
MX-4662()/AAM-12 MX-4662/AAM-12	Test Fixture	Used for adapting various detectors and preamplifiers for use with OA-4488/AAM-12.	HRB Singer Inc 61336	EMSA-62-3151		P/O OA-4488/AAM-12
MX-4667()/ALM-28 MX-4667/ALM-28	Test Adapter	Provides means of connection to the front panel assembly of operating indicator power and signal interconnection to the main chassis.	Paradynamics Inc 23363	NW-62-512		P/O AN/ALM-28 U/W OA-2663/ALD-2
MX-4691()/GSM-82(V) MX-4691/GSM-82(V)	Test Adapter	Provides electrical and mechanical connections to C-4172/GSQ-65 normally supplied by operation cabinet. Provides test points and a 6.4Ω, 250w dummy load.	Boeing Co	WDD-62-11641		P/O AN/GSM-82(V) U/W C-4172/GSW-65
MX-4692()/GSM-82(V) MX-4692/GSM-82(V)	Test Adapter	Provides electrical and mechanical connections to ID-1043/GSQ-65 normally supplied by operation cabinet.	Boeing Co	WDD-62-11642		P/O AN/GSM-82(V) U/W ID-1043/GSQ-65
MX-4693()/GSM-82(V) MX-4693/GSM-82(V)	Test Adapter	Provides electrical and mechanical connections to KY-437/GSQ-65 normally supplied by operation cabinet.	Boeing Co	WDD-62-11643		P/O AN/GSM-82(V) U/W KY-437/GSQ-65
MX-4694()/GSM-82(V) MX-4694/GSM-82(V)	Test Adapter	Provides jacks for access to circuits of tested item for circuit and continuity tests with standard commercial equipment.	Boeing Co	WDD-62-11644		P/O AN/GSM-82(V) U/W PP-3410/GSQ-65 PP-3409/GSQ-65
MX-4695()/GSM-82(V) MX-4695/GSM-82(V)	Test Adapter	Provides electrical and mechanical connections to MX-4262/GSQ-65 normally supplied by operation cabinet.	Boeing Co	WDD-62-11645		P/O AN/GSM-82(V) U/W MX-4262/GSQ-65
MX-4696()/GSM-82(V) MX-4696/GSM-82(V)	Test Adapter	Provides electrical and mechanical connections to MX-4263/GSQ-65 normally supplied by operation cabinet.	Boeing Co	WDD-62-11646		P/O AN/GSM-82(V) U/W MX-4263/GSQ-65
MX-4697()/GSM-82(V) MX-4697/GSM-82(V)	Test Adapter	Provides electrical and mechanical connections to MX-4260/GSQ-65 normally supplied by operation cabinet.	Boeing Co	WDD-62-11647		P/O AN/GSM-82(V) U/W MX-4260/GSQ-65
MX-4698()/GSM-82(V) MX-4698/GSM-82(V)	Test Adapter	Provides electrical and mechanical connections to MX-4261/GSQ-65 normally supplied by operation cabinet.	Boeing Co	WDD-62-11648		P/O AN/GSM-82(V) U/W MX-4261/GSQ-65
MX-4699/GSM-82	Test Fixture	MX-4781/GSM-82 and this piece of equipment are attached to sides of test set to permit alignment and mating of test set and electronic drawer assembly to be tested.	Boeing Co	WDD-62-11879		P/O AN/GSM-82 U/W MX-4781/GSM-82
MX-4699()/GSM-82(V) MX-4699/GSM-82(V)	Test Fixture Set	Provides means of aligning, mating and holding together the test sets and electronic drawer assemblies to be tested.	Boeing Co	WDD-62 11649		P/O AN/GSM-82(V)
MX-4700()/GSM-82(V) MX-4700/GSM-82(V)	Test Adapter	Provides means of connecting cables to semi-internal connectors on MX-4260/GSQ-65.	Boeing Co	WDD-62-11650		P/O AN/GSM-82(V)
MX-4701()/GSM-82(V) MX-4701/GSM-82(V)	Test Adapter	Provides means of connecting cables to semi-internal connectors on MX-4261/GSQ-65.	Boeing Co	WDD-62-11651		P/O AN/GSM-82(V)
MX-4702()/GSM-82(V) MX-4702/GSM-82(V)	Test Adapter	Provides electrical and mechanical connections to C-3937/GTC normally supplied by operational cabinet.	Boeing Co	WDD-62-11653		P/O AN/GSM-82(V)
MX-4703()/GSM-82(V) MX-4703/GSM-82(V)	Test Adapter	Provides means of access to output signal of MX-3625/GSM-62 for oscilloscope check of signals.	Boeing Co	WDD-62-11654		P/O AN/GSM-82(V) U/W MX-3625/GSM-62
MX-4704()/GSM-82(V) MX-4704/GSM-82(V)	Test Adapter	Provides means of access to circuits of SM-315/GYK-2 for continuity checking and input voltage monitoring.	Boeing Co	WDD-62-11683		P/O AN/GSM-82
MX-4705()/AAM-4 MX-4705/AAM-4	Module Extender	Inserted between main chassis and module, which is removed for checkout and fault isolation.	Hughes Aircraft Co 464045	NW-62-514		P/O AN/AAM-4
MX-4706()/AAM-4 MX-4706/AAM-4	Module Extender.	Same description as MX-4705/AAM-4.	Hughes Aircraft Co 464046	NW-62-515		P/O AN/AAM-4

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-4707()/AAM-4 MX-4707/AAM-4	Module Extender	Inserted between main chassis and module, which is removed for checkout and fault isolation.	Hughes Aircraft Co 464047	NW-62-516		P/O AN/AAM-4
MX-4718()/USM-175 MX-4718/USM-175	Conductivity Cell Assembly	Consists of concentric shell electrodes for immersion in solution undergoing conductivity test.		NW-62-568	OP 1851	P/O AN/USM-175
MX-4721()/GSM-86 MX-4721/GSM-86	Connector-Jack Assembly	Provides electrical connectors to connect the simulator test set group to signal generating equipment and test jacks for a standard voltmeter.	Boeing Co. 25-35105-14	WDD-62-11821		P/O OA-4530/GSM-86
MX-4722()/GSM-86 MX-4722/GSM-86	Jack-Switch Assembly	Provides toggle switches to code Simulator Test Set AN/GSM-86 to operate during self check and test jacks for transmitting the code to the test jacks on the simulator test set group.	Boeing Co 25-35105-62	WDD-62-11831		P/O OA-4531/GSM-86
MX-4723()/GSM-61 MX-4723/GSM-61	Circuit Control Board	Permits preselected circuitry to be connected to testing circuits in Audio Frequency Detector DT-252/GYK-2. Serves interface switching function.	Boeing Co 25-32805-50	WDD-62-11708		P/O OA-3898/GSM-61
MX-4728()/MPS-23	Test Facilities Unit	Provides matching devices and terminations to perform individual unit tests in the radar set groups.	Hughes Aircraft Co 1513200	EMSA-62-643		U/W AN/MPS-23 AN/MPS-23A
MX-4732()/APM-137B MX-4732/APM-137B	Test Adapter	Provides alignment and test point access to a module of Radar Navigation Set AN/APM-129(V).	Ryan Electronics 114 Z 2401-5	EMSA-62-578		P/O AN/APM-137B
MX-4738/SDR-2	Electronic Circuit Training Aid	Introduces impulses into system through which indications of high range meters may be controlled.	Nuclear Corp of Amer C50064	N-62-b-2683		P/O AN/SDR-2
MX-4739()/ASA-48 MX-4739/ASA-48	Selector-Adapter Test Signal	Provides facilities for selecting and channeling signals from Auxiliary Converter Simulator SM-339/ASA-48 to aircraft replaceable assembly under test and a high Z match to test points. Also used to isolate faults to a module level in Aircraft Replaceable Assemblies AN/ASQ-57 and Integrated Electronic Centrals AN/ASQ-58.	Collins Radio 522-6108-004	NW-62-674		P/O OA-3743/ASA-48
MX-4740()/ASA-48 MX-4740/ASA-48	Mechanical Electronic Test Rack	Combines functions of a physical mount, signal selector and signal router. Contains integral power, signal and time delay relays and Z matching circuits.	Collins Radio 564-7497-006	NW-62-675		P/O MX-4739/ASA-48
MX-4743()/AQM-10 MX-4743/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379453-2	NW-62-717		P/O AN/AQM-10 U/W AN/AQA-5
MX-4744()/AQM-10 MX-4744/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379453-3	NW-62-718		P/O AN/AQM-10 U/W AN/AQA-5
MX-4745()/AQM-10 MX-4745/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379453-4	NW-62-719		P/O AN/AQM-10 U/W AN/AQA-5
MX-4746()/AQM-10 MX-4746/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379453-5	NW-62-720		P/O AN/AQM-10 U/W AN/AQA-5
MX-4747()/AQM-10 MX-4747/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379453-6	NW-62-721		P/O AN/AQM-10 U/W AN/AQA-5
MX-4748()/AQM-10 MX-4748/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379453-7	NW-62-722		P/O AN/AQM-10 U/W AN/AQA-5
MX-4749()/AQM-10 MX-4749/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379454	NW-62-723		P/O AN/AQM-10 U/W AN/AQA-5
MX-4750()/AQM-10 MX-4750/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379455	NW-62-724		P/O AN/AQM-10 U/W AN/AQA-5
MX-4751()/AQM-10 MX-4751/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379456	NW-62-725		P/O AN/AQM-10 U/W AN/AQA-5
MX-4752()/AQM-10 MX-4752/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379457-1	NW-62-726		P/O AN/AQM-10 U/W AN/AQA-5
MX-4753()/AQM-10 MX-4753/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379457-2	NW-62-727		P/O AN/AQM-10
MX-4754()/AQM-10 MX-4754/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379458-1	NW-62-728		P/O AN/AQM-10 U/W AN/AQA-5
MX-4755()/AQM-10 MX-4755/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379458-2	NW-62-729		P/O AN/AQM-10 U/W AN/AQA-5
MX-4756()/AQM-10 MX-4756/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379459-1	NW-62-730		P/O AN/AQM-10 U/W AN/AQA-5
MX-4757()/AQM-10 MX-4757/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379459-2	NW-62-731		P/O AN/AQM-10 U/W AN/AQA-5
MX-4758()/AQM-10 MX-4758/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G384049-1	NW-62-732		P/O AN/AQM-10 U/W AN/AQA-5
MX-4759()/AQM-10 MX-4759/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G384049-2	NW-62-733		P/O AN/AQM-10 U/W AN/AQA-5
MX-4760()/AQM-10 MX-4760/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G384049-3	NW-62-734		P/O AN/AQM-10 U/W AN/AQA-5
MX-4761()/AQM-10 MX-4761/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G384049-4	NW-62-735		P/O AN/AQM-10 U/W AN/AQA-5
MX-4762()/AQM-10 MX-4762/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G384049-5	NW-62-736		P/O AN/AQM-10 U/W AN/AQA-5
MX-4763()/AQM-10 MX-4763/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379490	NW-62-737		P/O AN/AQM-10 U/W AN/AQA-5
MX-4764()/AQM-10 MX-4764/AQM-10	Test Adapter	Used to elevate certain modules of Indicator Group AN/AQA-5 for test while in operation.	Western Electric Co G379453-1	NW-62-716		P/O AN/AQM-10 U/W AN/AQA-5
MX-4774()/FYM-5 MX-4774/FYM-5	Test Set Subassembly	Provides circuitry to perform qualitative tests (by external command) on components of the request system and forwards results to indicator panels.	Internat'l Tel and Tel	WL-62-5329		P/O AN/FYM-5

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MX-4781/GSM-82	Test Fixture	Provides means of aligning, mating and holding Test Adapters MX-4691/GSM-82(V) to MX-4698/GSM-82(V) and Electronic Drawer Assemblies to be tested when U/W Test Fixture MX-4699/GSM-82.	Boeing Co	WDD-62-11880		P/O AN/GSM-82 U/W MX-4699/GSM-82
MX-4784()/TSQ	Guided Missile Maulfunction Setter	Remotely places malfunctions in the training sergeant guided missile for training in the use of organizational maintenance test station and recognition of malfunctions.	Aircraft Armaments 4692-140369-10	AMSMI-162-62		
MX-4785()/TSQ	Guided Missile Malfunction Setter	Remotely places malfunctions in the training sergeant guided missile for training in the use of the firing set and recognition of malfunctions.	Aircraft Armaments 4692-140370-10	AMSMI-163-62		
MX-4789()/TSA-18 MX-4789/TSA-18	Test Adapter	Plug-in unit extension test chassis.	Admiral Corp GD3740	CRC-62-215		P/O IP-705/TSA-18
MX-4791()/FSQ-31 MX-4791/FSQ-31	Test Adapter	Used to permit testing of regulators on the plug-in unit electronic circuit test set.	IBM Corp 3690247	WL-62-5873		U/W AN/FSQ-31
MX-4793()/FSQ-31 MX-4793/FSQ-31	Test Adapter	Used to extend test point contact approx 4.75" in the neon driver assembly.	IBM Corp 3691403	WL-62-6105		U/W AN/FSQ-31
MX-4794()/FSQ-31 MX-4794/FSQ-31	Test Prod	U/W test equipment to monitor signal and voltages in otherwise inaccessible areas in Q-PAC drawers.	IBM Corp 3691407	WL-62-6106		U/W AN/FSQ-31
MX-4795()/FSQ-31 MX-4795/FSQ-31	Test Lead Attachment	Used to connect test equipment to pins on back drawer panel and interconnecting Q-PAC drawers when monitoring signal and voltages.	IBM Corp 3691431	WL-62-6107		U/W AN/FSQ-31
MX-4796()/FSQ-31 MX-4796/FSQ-31	Test Lead Attachment	Required to connect oscilloscope probe to Q-PAC socket pins for test.	IBM Corp 3690255	WL-62-6109		U/W AN/FSQ-31
MX-4803()/ASA-48 MX-4803/ASA-48	Test Adapter	Used to isolate and locate malfunctions in electronic circuit plug-in units of Air Navigation Computer C-567/ASW-16.	Sperry Phoenix Co 2592323	NW-63-31		P/O OA-3740/ASA-48
MX-4804()/ASA-48 MX-4804/ASA-48	Test Adapter	Used to isolate and locate malfunctions in electronic circuit plug-in units of Air Navigation Computer C-566/ASW-15.	Sperry Phoenix Co 2592323	NW-63-32		P/O OA-3740/ASA-48
MX-4805/FQQ-9(V)	Cable Comparison Network	Simulates length of submarine cable for comparison testing through a series of artificial cable subassemblies.	Western Electric Co GS66566-L1	N-63-N-139		P/O OA-2928(V)/FQQ-9(V)
MX-4806/FQQ-9(V)	Cable Comparison Network	Simulates length of submarine cable for comparison testing through a series of artificial cable subsubassemblies.	Western Electric Co GS66566-L2	N-63-n-140		P/O OA-2928(V)/FQQ-9(V)
MX-4807()/FSQ-44	Test Adapter	Phase shifts input from frequency divider unit to obtain signals capable of generating a circular trace. Also provides Z-axis intensity modulation.		NSA-63-0021		P/O AN/FSQ-44
MX-4808/BRN-3A	Computeriter Adapter	Controlling device between typewriter and TRW-131 Computer. Converts typewriter signal to 6-bit coded signals usable by the computer and vice versa upon command from the computer.	Thompson-Ramo-Wool 40023760	N-63-W-268		P/O AN/BRN-3A
MX-4811()/FPS-35 MX-4811/FPS-35	Test Adapter	Serves as extension connector to facilitate testing of cards of Radar Set Console OA-3421/FPS-35 while in operation.	Sperry Rand Corp 1019557	WL-63-1268		P/O OA-4675/FPS-35
MX-4812()/GSM-93 MX-4812/GSM-93	Launch Facility Start-Up Unit	Initiates simulated missile targeting equipment in AN/GSM-4 circuitry and others to arrange for check of circuitry in "start-up" condition. Also provides visual indication of the status of these signals.	Boeing Co	WDD-62-11904		P/O AN/GSM-93 U/W OA-4757/GSM-93
MX-4813()/GSM-93 MX-4813/GSM-93	Test Adapter	U/W Launch Facility Start-Up Set AN/GSM-93 to enable a self test of the set.	Boeing Co	WDD-62-11918		P/O OA-4757/GSM-93
MX-4815()/GJA-20 MX-4815/GJA-20	Test Adapter	Adapts Logic Coupler Drawer of Control-Guidance Coupler CV-985/GJQ to Test Adapter Group OA-3544/GJM-15.	Autonetics 7064-850525	WDD-63-3624		P/O AN/GJA-20
MX-4817()/ASM-136 MX-4817/ASM-136	Test Adapter	Facilitates malfunction checking by providing connections between module receptacle and module.	Chicago Indust Inst 6162-132	NW-63-162		P/O AN/ASM-136
MX-4821/PSM-6	Test Adapter	Determines existance of voltage in bombing circuits prior to special weapons loading when U/W AN/PSM-6 multitester. For use on F-105, B-58 and eventually F-100, F-100A and C and F-104 Aircraft.		SWV-63-4		U/W AN/PSM-6
MX-4822/PSM-6	Test Adapter	Determines existance of voltage in warhead arming circuits prior to loading GAM-83A and B's on F-105 and F-100 Aircraft when U/W AN/PSM-6 Multitester.		SWV-63-5		U/W AN/PSM-6
MX-4823/PSM-6	Test Adapter	Determines existance of voltage in critical nuclear release circuits of B-47 and B-52 Internal Store Systems when U/W AN/PSM-6 Multitester.		SWV-63-6		U/W AN/PSM-6
MX-4824/PSM-6	Test Adapter	Determines existance of voltage in critical nuclear control and monitor circuits of B-47 and B-52 Internal Store Systems when U/W AN/PSM-6 Multitester.		SWV-63-7		U/W AN/PSM-6
MX-4825/PSM-6	Test Adapter	Determines existance of voltages in breeches on type VIII Pylons when U/W AN/PSM-6 Multitester.		SWV-63-8		U/W AN/PSM-6
MX-4829()/FYQ-8 MX-4829/FYQ-8	Test Adapter	Consists of indicator lamps and test jacks for monitoring signals to the voltage monitor circuits.	Internat'l Tel & Tel	WL-63-1731		U/W AN/FYQ-8
MX-4830()/FYQ-8 MX-4830/FYQ-8	Test Adapter	Provides facility for isolating decoder stages being aligned from the group display generator.	Internat'l Tel & Tel	WL-63-1734		U/W AN/FYQ-8
MX-4841()/GSW-4T1 MX-4841/GSW-4T1	Test Adapter	Provides access to printed circuit cards of Simulator Group OA-3469/GSW-4T1.	Boeing Co	WDD-63-3819		U/W OA-3464/GSW-4T1
MX-4865()/GSQ	Test Adapter	Used to bring a module out far enough to reach the test point.	Hughes Aircraft Co X1502910	EMSA-63-75		U/W OA-2952()/GSQ
MX-4883()/GP MX-4883/GP	Test Adapter	Provides printed circuit board mounting to permit access for test and maintenance under dynamic conditions.	Radio Corp of Amer 8606517-501	WL-63-2033		P/O AN/FPS-16 AN/MPS-25(V) AN/FPQ-6 AN/TPA-18

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MX-4884()/GP MX-4884/GP	Test Adapter	Provides printed circuit board mounting to permit access for test and maintenance under dynamic conditions.	Radio Corp of Amer 8606517-502	WL-63-2034		P/O AN/FPS-16 AN/MPS-25(V) AN/FPQ-6 AN/TPQ-18
MX-4885()/FLR-12 MX-4885/FLR-12	Test Adapter	Determines bias voltage in RF amplifier tubes of the antenna groups when U/W a multimeter.	Adams-Russell Co 10001	WL-63-1206		P/O OA-4840/FLR-12 OA-4843/FLR-12
MX-4887()/ARC-102	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio CPN-548-3452-00	EMSA-63-99		P/O MK-722()/ARC-102
MX-4888()/ARC-102	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio CPN-548-3463-004	EMSA-63-100		P/O MK-722()/ARC-102
MX-4889()/ARC-102	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio CPN-548-3501-004	EMSA-63-101		P/O MK-722()/ARC-102
MX-4890()/ARC-102	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio CPN-548-3502-004	EMSA-63-102		P/O MK-722()/ARC-102
MX-4891()/ARC-102	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio CPN-548-3461-004	EMSA-63-103		P/O MK-722()/ARC-102
MX-4892()/ARC-102	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio CPN-548-3505-00	EMSA-63-104		P/O MK-722()/ARC-102
MX-4893()/ARC-102	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio CPN-548-3453-004	EMSA-63-105		P/O MK-722()/ARC-102
MX-4894()/ARC-102	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio CPN-548-3455-004	EMSA-63-106		P/O MK-722()/ARC-102
MX-4895()/ARC-102	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio CPN-548-3459-004	EMSA-63-107		P/O MK-722()/ARC-102
MX-4896()/ASQ-38(V) MX-4896/ASQ-38(V)	Test Adapter	Adapts components of Offensive Weapons Control System AN/ASQ-38(V) with standard meter and scopes for test.	IBM Corp 635800	AEL-63-111		U/W AN/ASQ-38(V)
MX-4897()/ASM-46 MX-4897/ASM-45	Test Adapter	Allows for proper phase detector alignment by adapting the two IF amplifiers of AN/ASQ-38(V).	IBM Corp 4345900	AEL-63-113		U/W AN/ASM-46
MX-4898()/A MX-4898/A	Cable Breakdown Adapter	Provides accessible test point for voltage and current measurements and waveform observation. Breakout panel for flight line use. U/W various test equipment.	IBM Corp 6632500	AEL-63-112		
MX-4906()/ARC-51X	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 554-0301-00	EMSA-63-170		P/O MK-731()/ARC-51X
MX-4907()/ARC-51X	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 554-0302-00	EMSA-63-171		P/O MK-731()/ARC-51X
MX-4908()/ARC-51X	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 554-0303-00	EMSA-63-172		P/O MK-731()/ARC-51X
MX-4909()/ARC-51X	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 554-0304-00	EMSA-63-173		P/O MK-731()/ARC-51X
MX-4910()/ARC-51X	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 554-0305-00	EMSA-63-174		P/O MK-731()/ARC-51X
MX-4911()/ARC-51X	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 554-0306-00	EMSA-63-175		P/O MK-731()/ARC-51X
MX-4912()/ARC-51X	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 554-0307-00	EMSA-63-176		P/O MK-731()/ARC-51X
MX-4913()/ARC-51X	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 554-0308-00	EMSA-63-177		P/O MK-731()/ARC-51X
MX-4922()/USM-182	Test Prod	Passive; attenuation ratio: 1:1; input Z:1MΩ//67 to 94μμf; 600v max. U/W Tektronix 535A Scope.	Tektronix Inc 010-070	EMSA-63-152		
MX-4923()/USM-182	Test Prod	Passive; attenuation ratio: 10:1; input Z:1MΩ//15μμf; 600v max. U/W Tektronix 535A Model 101 Scope	Tektronix Inc 010-056	EMSA-63-153		P/O AN/USM-182 U/W OS-150()(P)/USM-182
MX-4924()/USM-182	Test Prod	Passive; attenuation ratio: 10:1; input Z: 10MΩ// 12.5μμf; 600v max. U/W Oscilloscope Tektronix 535A Model 101 scope.	Tektronix Inc 010-038	EMSA-63-151		P/O AN/USM-182 U/W OS-150()(P)/USM-182
MX-4931()/AR	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 566-9507-00	EMSA-63-163		P/O MK-733()/AR
MX-4932()/AR	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 566-9505-00	EMSA-63-164		P/O MK-733()/AR
MX-4933()/AR	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 566-9504-00	EMSA-63-165		P/O MK-733()/AR
MX-4934()/AR	Test Adapter	Permits modules to be operated while extended from the chassis for trouble shooting and alignment.	Collins Radio 566-9506-00	EMSA-63-169		P/O MK-733()/AR
MX-4935()/APM-198 MX-4935/APM-198	Test Adapter	Fits over antenna door to transfer and modify energy between Radar Test Set AN/UPM- and Radar Navigation Set AN/APN-122(V).	Norden Labs	NW-63-361		P/O AN/APM-198 U/W AN/APN-122(V)
MX-5009/U	Electrical Instrument Multiplier	Cancelled 6 May 1959.				
MX-5013/MRC-505	Audio Frequency Detector	Detects presence of 3950cps monitoring tone.	Canadian Westinghouse 719D251/1 (TR-1A)		RCAF 1180	P/O AN/MRC-505
MX-5027/ARM 504(V)	Extension Jig	Raises module approx 4.5" for testing while maintaining connections through main receiver and preamplifier module.	Northern Electric Co 438A-1	RCAF-62-1726		P/O AN/ARM-504(V) U/W AN/ARC-552 AN/ARC-552A

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
MX-5028/ARM-504(V)	Extension Jig	Raises module approx 4.5" for testing while maintaining connections through spectrum generator module	Northern Electric Co 438C-1	RCAF-62-1727		P/O AN/ARM-504(V) U/W AN/ARC-552 AN/ARC-552A
MX-5029/ARM-504(V)	Extension Jig	Raises module approx 4.5" for testing while maintaining connections through oscillator module.	Northern Electric Co 438E-1	RCAF-62-1728		P/O AN/ARM-504(V) U/W AN/ARC-552 AN/ARC-552A
MX-5030/ARM-504(V)	Maintenance Jig	Permits manual control of spectrum generator module for trouble shooting.	Northern Electric Co 438F-1	RCAF-62-1729		P/O AN/ARM-504(V) U/W AN/ARC-552 AN/ARC-552A
MX-5031/ARM-504(V)	Maintenance Jig	Permits manual control of oscillator module for trouble shooting.	Northern Electric Co 438G-1	RCAF-62-1730		P/O AN/ARM-504(V) U/W AN/ARC-552 AN/ARC-552A
MX-5032/ARM-504(V)	Maintenance Jig	Permits manual control of 20 to 30Mc IF amplifier module for trouble shooting.	Northern Electric Co 438H-1	RCAF-62-1731		P/O AN/ARM-504(V) U/W AN/ARC-552 AN/ARC-552A
MX-5033/APN-501	Radar Test Harness	Provides connection between jamor units and to the radar test set and computer harness.	Canadian Marconi	RCAF-1368		U/W AN/APN-501
MX-5045/APM-506	Noise Detector	Feeds signal (30Mc or detected video) to various portions of test equipment and radar modules under test.	Canadian Westinghouse 44810-305	RCAF-1693		P/O AN/APM-506
MX-5046/APM-506	Intermediate Frequency Detector	Processes input signals which are fed through the receiver test set. Input consists of a range sweep multiplier and three IF signals.	Canadian Westinghouse 44819-305	RCAF-1692		P/O AN/APM-506
MX-5047/APG-502	Radio Frequency Radiation Absorber	Placed in front of radar antenna during radar system tests to protect against harmful radiation.	Canadian Westinghouse 525F815G01	RCAF-1703		U/W AN/APG-502
MX-5048/APM	Extension Jig	Enables testing of inaccessible radar modules. Contains test jacks for voltage measurements.	Canadian Westinghouse 44702-305	RCAF-1688		U/W AN/APM-504,505
MX-5049/APM	Extension Jig	Enables testing of inaccessible radar modules. Contains test jacks for voltage measurements.	Canadian Westinghouse 525F796G01	RCAF-1685		U/W AN/APM-504,505
MX-5050/APM	Extension Jig	Enables testing of inaccessible radar modules. Contains test jacks for voltage measurements.	Canadian Westinghouse 44703-305	RCAF-1689		U/W AN/APM-504,505
MX-5051/APM	Extension Jig	Enables testing of inaccessible radar modules. Contains 66 test jacks for voltage measurements.	Canadian Westinghouse 718D816G01	RCAF 1686		U/W AN/APM-504,505
MX-5052/APM	Extension Jig	Enables testing of inaccessible radar modules. Contains test jacks for voltage measurements.	Canadian Westinghouse 525F797G01	RCAF-1687		U/W AN/APM-504,505
MX-5054/APG-502	Dummy Synchronizer	Maintains cooling air flow path to the radar set when the synchronizer is removed.	Canadian Westinghouse 718D797G02	RCAF-1704		U/W AN/APG-502
MX-5057/MPQ-501	Antenna Level	Used for leveling and adjusting Radar Set AN/MPQ-501.		CA-62-559		P/O AN/MPQ-501
MX-5058( )/FRA-506(V) MX-5058/FRA-506(V)	Monitor Panel	Provides visual and audible indication of faults in power supply systems for two Radio Terminal Groups AN/FRA-505(V) or in Radio Repeaters AM-5162/FRA.		CA-62-595	CA-E106	P/O AN/FRA-506(V) U/W AN/FRA-505(V)
MX-5059( )/FRA-506(V) MX-5059/FRA-506(V)	Monitor Panel	Provides visual indication of faults in power supply systems for two Radio Terminal Groups AN/FRA-505(V) or in Radio Repeaters AM-5162/FRA; provides alarm remote control on Monitor Panel MX-5058/FRA-506(V).		CA-62-596		P/O AN/FRA-506(V) U/W AN/FRA-505(V)

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
OS-1()/U OS-1/U	Oscilloscope	Oscilloscope, 5" screen.	DuMont Labs 168	SIGGG-S		
OS-2()/FPN OS-2/FPN	Oscilloscope	Y-input Z: 1MΩ. Sweep circuit with special delay feature included. Sweep triggered externally only by positive trigger.3" screen.	Harvey Radio Labs	WL-45-1803		P/O T-188/FPN
OS-3()/FPN OS-3/FPN	Oscilloscope	Y-axis: 0.5rmsv/inch. Sweep: 25/33.3/50cps trigger rate. Special sweep delay circuit. 3" screen.	Harvey Radio Labs	WL-45-1819		P/O OA-68/FPN
OS-4()/AP OS-4/AP	Oscilloscope	Y-axis: 1.5cps to 11Mc between 6db points, 0.5v/in. Sweep: 5 range, 82cps to 820kc; R range, 24 to 214 μsec; A range, 1.2 to 12000μsec. Has sweep delay from 3 to 10,000μsec and 10 and 50μsec crystal timing markers. Z-input: 3" screen.	Waterman Products Co Os4C	USN	MIL-O-1738 (AER)	P/O AN/USM-25
OS-4A/AP	Oscilloscope	Y-axis: 10cps to 8Mc ±3db, 0.5v/in. Sweep: 80 to 200kc. Delay: 0.55μsec line. 3" CRT.	Industrial Tel Inc IT-120T	USN	MIL-O-7738	
OS-4B/AP	Oscilloscope	Y-axis: 50cps to 5Mc ±1db, 0.5rmsv/inch. Sweep: 1.2 to 12,000μsec. Has 0.55μsec signal delay line. 3" CRT.	Model Eng and Mfg Inc	USN-478	MIL-O-7738 (AER)	P/O AN/USM-25A AN/USM-25B
OS-5()/U OS-5/U	Oscilloscope	Y-axis: dc to 7Mc ±3db, 0.2v/0.75in. Sweep: "A" linear triggered, "R" delayed linear triggered 1μsec/in. 5" screen.	DuMont Labs	USN	CS-760, etc.	
OS-6()/U OS-6/U	Oscilloscope	For monitoring frequency shift signals. Sweep: fixed frequency. 2" screen.	Crystal Research Labs	USN	CS-1012	
OS-7()/U OS-7/U	Oscilloscope Range Calibrator	Contains both a linear sweep and a circular sweep, used as precision crystal controlled range calibrator. Linear sweep triggered externally only. 3" screen.	Raytheon RX-2295	USN	CS-731	
OS-8()/U OS-8/U	Oscilloscope	Y-axis: dc to 2Mc, 0.1rmsv/in. X-axis: 0.1rmsv/in. Sweep: 3 to 50kc. 3" screen.	Hickok Electrical Inst 835	USN		
OS-8A/U	Oscilloscope	Same description as OS-8/U.	Hycon Mfg 49	USN	SHIPS-O-108	
OS-8B/U	Oscilloscope	Same as OS-8/U except 0.075rmsv/in on Y-axis and 2.875 inch screen.	Hickok Electrical Inst			
OS-8C/U	Oscilloscope	Y-axis: 5cps to 2Mc, 17rmsv/in dc, 0.075rmsv/in ac. X-axis: dc to 500kc, 25rmsv/in dc, 0.075rmsv/in ac. Sweep: 3 to 50kc. 3" screen.	Jetronic Industries NAV-115	USN USA	MIL-O-15525D	
OS-8D/U	Oscilloscope	Same as OS-8/U and OS-8B/U and OS-8C/U.	Measurement Engineering	CA-375		
OS-8E/U	Oscilloscope	Same description as OS-8C/U except rated frequency response: 5cps to 2Mc on Y-axis, dc to 500kc on X-axis.	Carol Electronics	N-59-X-1253		
OS-9()/U OS-9/U	Oscilloscope	Sensitivity: 115v/inch on Y-axis. Sweep range: 1,5, 20 and 100μsec. Includes circuit for up to 92μsec sweep delay. 5"screen.	Hazeltine Electronics 1122	USN		
OS-10()/U OS-10/U	Oscilloscope	Y-axis: 10 to 600,000cps ±3db, 0.03rmsv/inch. X-axis: 10 to 200,000cps ±3db, 0.5rmsv/inch. Sweep: 3 to 60,000cps. 5" screen.	Hickok Electrical Inst 902-072	USN	RE13A921B	
OS-10A/U	Oscilloscope	Y-axis: 10cps to 5Mc, 0.02rmsv/in. X-axis: 10cps to 5Mc, 0.7rmsv/in. Sweep: internal. 5" screen.	Reiner Elec Co OS-10	USN	MIL-O-15287	
OS-11()/FGC-5 OS-11/FGC-5	Oscilloscope	X and Y-axis: 0.05rmsv/inch. Sweep: 0.5 to 50kc. Has calibrated scale. 3" screen.	Waterman Products Co S-12-B	USN		P/O AN/FGC-5
OS-12()/MKR-6	Oscilloscope	Classified.		USN		
OS-13()/U OS-13/U	Oscilloscope	X and Y-axis: 20cps to 200kc, 0.4v/in. Sweep: 20cps to 25kc. 3" screen.	Lavoie Labs E136310	USN	CS-859 (Navy)	P/O AN/FSM-5
OS-14()/SPN-8 OS-14/SPN-8	Synchroscope	Y-axis: 60cps to 3.2Mc ±3db. 1.25rmsv/2.75 in. Sweep: 10,30,100,300μsec/2.75in, driven ±10%.	Bendix Radio	USN	MIL-R-15569	U/W OA-364/SPN-5
OS-15()/SPS-8 OS-15/SPS-8	Oscilloscope	Y-axis: 3 to 100Mc, 60 to 90v. X-axis: 78-106v. Has internal sweep. 5" screen.		USN	CS-781 (BuShips)	P/O OA-149/SPS-8
OS-16()/URM-18 OS-16/URM-18	Oscilloscope	Radial deflection: 60 to 100,000cps, 0.3rmsv/mm. Sweep: 60, 100, 1000, 10,000cps. 3" screen.	General Radio Co 1109-A	SCLS-3285		P/O OA-166()/URM-18
OS-17()/FPS-3 OS-17/FPS-3	Oscilloscope	Y-axis: 0.1v/inch. 50cps to 1.5Mc bandwidth. Internal sweep: 0.3μsec video delay line. Trigger Sweep. 3" screen.		WL-45-2271		P/O AN/FPS-3 AN/MPS-7
OS-17A/FPS-3	Oscilloscope	Y-axis: 160cps to 1Mc, 1.16v/in. Sweep: 1.0 to 1650 μsec duration. 3" screen.		WL-54-1198		P/O AN/FPS-3A
OS-17B/FPS-3	Oscilloscope	Same description as OS-17A/FPS-3.	Bendix Radio R200629-3	WL-56-1666		P/O AN/FPS-3A
OS-18/MPN-5	Oscilloscope	Y-axis: 10cps to 100kc, 0.07rmsv/in. X-axis: 15cps to 5Mc, 0.095rmsv/in. Sweep: 3/10/30/100/300μsec triggered. 3" screen.	Bendix Radio OR200567-1	USN	CS-972	P/O AN/MPN-5
OS-18A/MPN-5	Oscilloscope	Same description as OS-18/MPN-5.	Bendix Radio OR200567-2	USN	R-1081A	
OS-19()/MPN-5 OS-19/MPN-5	Oscilloscope	0.1v/0.5in deflection. Sweep circuit included 3"CRT.	Bendix Radio	USN	CS-972	P/O OA-198/MPN-5 AN/MPN-5
OS-20()/FPN	Oscilloscope	Includes dual CRTs. One is for general test of OA-216()/FPN-15. The other uses dual sweeps (20cps to 200kc and 20cps to 500kc with sensitivity of 0.35v per inch) for display of the complete Loran cycle. Requires triggers & markers from CV-128()/FPN. 5".	Fed Tele & Radio Corp FRL-26250	WL-50-1040	EXH: WLENG-165A	P/O OA-216()/FPN-15
OS-21()/FPN	Oscilloscope	Y-axis: 20cps to 500kc, 0.35rmsv/inch. Internal sweep circuit. May be used as test scope or slow scope indicator. Has two sweep circuits. 5" screen.	Fed Tele & Radio Corp FRL-26250-1-2	WL-50-1055	EXH: WLENG-1100	P/O OA-217()/FPN-15

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
OS-22()/CPN-18 OS-22/CPN-18	Oscilloscope	Y-axis: 25ma/inch w/10 step 60db attenuator. Sweep: 5, 100 & 500 mv/inch w/delays of 100 and 500μsec. Y-input Z: 1MΩ. 5" screen.	Lab For Electronics	WL-50-1125	EXH: WLENG-113A	P/O OA-222/CPN-18
OS-23()/FRT-10 OS-23/FRT-10	Oscilloscope	Y-axis: 0 to 100kc, 0.01v/inch. X-axis: 0.05v/inch. Sweep is included. 5" screen.	Westinghouse Electric 7504137G-1	USN	CS-11178	P/O AN/FRT-10
OS-24()/GPN OS-24/GPN	Synchroscope	Y-axis: 30cps to 9Mc at 3db, 0.3v/inch. X-axis: 5v per inch. Built in sweeps. Synchroscope to test most portions of the radar system circuitry. 5" screen.	Gilfillan Bros	WL-50-2050	R-7437-A & R-7511 (USAF)	P/O OA-283/GPN
OS-25()/G OS-25/G	Oscilloscope	Y-axis: 20cps to 5Mc, 0.0300v/cm. X-axis: 20cps to 200cps. Sweep: driven , 60 to 15,000μsec duration. Expanded sweep. Used to test multiplex equipment. 5" screen.	Fed Tele & Radio Corp NUS-2123	USA SCLC-8611	MIL-R-10615	P/O AN/TCC-13() AN/TRA-10()
OS-25A/G	Oscilloscope	Y-axis: 20cps to 5Mc, 0.27rmsv/inch. Sweep: triggered, 30cps to 180kc with 192kc markers. 5" screen.	Fed Tele & Radio Corp A-2081081-1	SCLMAl-8634	MIL-M-14182	P/O AN/TCC-13 AN/TRA-10 AN/TCA-1
OS-25()/TCC-13	Oscilloscope	Frequency response: 20cps to 200kc, 20cps to 5Mc. Has driven sweep. Was formerly AN/TSA-9(). 3" screen.		SIGGC-R		P/O AN/TCC-13
OS-26()/USM-24 OS-26/USM-24	Oscilloscope	Y-axis: 4cps to 10Mc. X-axis: 0.5cps to 700kc. Sweep: recurrent, 8cps to 600kc. 3" screen.	Waterman Products Co	USN	MIL-O-15458	P/O AN/USM-24
OS-26A/USM-24	Oscilloscope	Y-axis: 4cps to 10Mc. X-axis: 0.5cps to 700kc. Sweep: recurrent, 8cps to 600kc. 3" screen.	Waterman Products Co	USN USA	MIL-O-15458	P/O AN/USM-24B
OS-27()/CPS-6B OS-27/CPS-6B	Oscilloscope	Y-axis: 600cps to 1.5Mc, 0.75rmsv/inch. Sweep: 125/620/1650μsec. 3" screen.	General Electric 7300885G1	WL-51-1584	WLENG-2156A (USAF)	P/O OA-331/CPS 6B & ()
OS-28()/GPA-15	Oscilloscope	Y-axis: 100cps to 3Mc, 0.5rmsv/inch. Sweep: 40/160/350μsec. 3" screen.	Motorola Inc D-3788	WL-51-1823	ENG-1282 (USAF)	P/O OA-351()/GPA-15 OA-350()/GPA-15
OS-29()/UPM-4A OS-29/UPM-4A	Oscilloscope	Y-axis: 1μsec pulse reproduction, 1 peak v/inch to 20 peak v/in, Sweep: recurrent rate of 50 to 4100cps or 5/12/75/500/2600μsec. 3" screen.	Admiral Corp 597D35 Gen Communications #P250-E-5000		MIL-R-15550	P/O AN/UPM-4A
OS-30()/UPM-4B OS-30/UPM-4B	Oscilloscope	Classified.		USN		
OS-31()/UKR-5B OS-31/UKR-5B	Oscilloscope	Y-axis: 2 to 30,000cps, 0.01rmsv/inch. X-axis: 0.05rmsv/inch. Provides for visual indication and audio monitoring of telemeter signal.		USN	MIL-R-7022 (BuAer)	P/O AN/UKR-5B
OS-32()/MRN-7	Oscilloscope	X and Y-ax s: 5cps to 100kc. Sweep: 5cps to 30kc. 5" screen.	Electronic Tube Corp	USA AEL-52-54	MIL-R-4140, 4146	P/O AN/MRN-7() AN/MRN-8()
OS-33()/SPS-2	Oscilloscope	Classified.		USN		
OS-34()/USM-32 OS-34/USM-32	Oscilloscope	Y-axis: 10cps to 4Mc, 0.1rmsv/in. Sweep: internal. 3" screen. Input Z: 2MΩ.	Dynamic Electronics DuMont Labs Federal TV Corp	USN USA	MIL-O-15630 (SHIPS)	P/O AN/USM-22
OS-35()/TR OS-35/TR	Oscilloscope	Y-axis: 100cps to 1.5Mc usable 30cps to 4Mc, 0.3v/inch. Sweep: 8,000cps. 3" screen.		SCLM-6722	MIL-R-10109 (SigC)	P/O AN/TRC-26 U/W AN/TRQ-3
OS-36()/TPS-16	Oscilloscope	Classified.		USA WL-52-1223		
OS-37()/UPM-45 OS-37/UPM-45	Oscilloscope	Two channel-two screen oscilloscope. Y-axis: 60cps to 1.5Mc at 2db, 0.2v/inch. X-axis: 20cps to 500kc at 6db, 15v/inch. Sweeps: triggered or periodic, 200 to 200,000cps. Channel 1 has 0.5μsec optional delay. 5" screen.	Waterman Products Co S-15-B	USN		
OS-38()/FRC OS-38/FRC	Oscilloscope	Y-axis: 60cps to 10Mc, 25mv/inch. Sweep: 1 to 200kc. 2" screen.	Fed Tele & Radio Corp FLU-5092	USN USA		
OS-39()/FPN-30 OS-39/FPN-30	Oscilloscope	Y-axis: 0.15rmsv/inch. X-axis: 15cps to 1Mc. Sweep: 3000 to 30,000μsec, 300 to 3000μsec and 15 to 150μsec duration. 5" screen.	Fed Tele & Radio Corp B1018964	USN USA		P/O AN/FPN-30
OS-40()/SPM-3	Oscilloscope	Y-axis: 10cps to 10Mc, 0.14v/in. Sweep: 0.25/2/5μsec per inch and 15cps. 5".	Aircrafts Armaments 89	USN		
OS-41/U	Oscilloscope	X and Y-axis: dc to 300kc. Sweep: 2cps to 30kc. 5" CRT.	Dumont Labs 304AR	USN USA		P/O AN/UXC-2
OS-42/USM-24A	Oscilloscope	Y-axis: 1.5cps to 10Mc, 0.35rmsv/inch. X-axis: 4.0rmsv/inch. Sweep: triggered, 1.25 to 125,000μsec duration. 3" screen.		USN USA	MIL-O-15458A (SHIPS)	
OS-43/SPM-2	Oscilloscope	Classified.		USN		
OS-44()/M OS-44/M	Oscilloscope	Y-axis: dc to 100kc, 0.01rmsv/inch. X-axis: 0 to 100kc, 0.1rmsv/inch. Sweep: 2 to 30,000cps. 5" screen.	Dumont Labs 304A	USA ORD53		P/O AN/MRQ-6()
OS-45()/M OS-45/M	Oscilloscope	Y-axis: 18cps to 8Mc, 2.68rmsv/cm. X-axis: 1.25rms v/cm. Sweep: 0.5, 1.0, 3.0, 10, 30, 100, 200μsec duration. 5" screen.	Gilfillan Bros 8130079	USA ORDTC-224-54		U/W AN/MPQ-25 AN/MSM-4
OS-45()/MPQ-25 OS-45/MPQ-25	Oscilloscope	Y-axis: 18cps to 8.5Mc 3db down. X-axis: sine wave up to 3Mc, square waves from 0.1 to 2μsec duration. 5" screen.	Gilfillan Bros 8125010	USA ORDTU-17	JPL-3107	P/O AN/MPQ-25
OS-46()/U OS-46/U	Oscilloscope	Y-axis: 0.01v/cm, flat to dc & down no more than 10% at 100,000cps. X-axis: 0.12v/cm, flat to dc & down no more than 10% at 100,000cps. Sweep: triggered, 1"/μsec. Has recurrent or driven sweep, expansion to 30" and calibrated scale. 5" screen.	Dumont Labs 304A	PEA (USA)		
OS-46A/U	Oscilloscope	Y-axis: flat to dc and down not more than 10% at 100kc, 0.009rmsv/inch. X-axis: flat to dc and down not more than 10% at 100kc, 0.1rmsv/inch. Sweep: 2 to 30,000cps. 5" screen.	Jetronic Industries	SESA-59-255		

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OS-47/DSM-6	Oscilloscope	Y-axis: 20cps to 100kc ±3db, 0.25rmsv/in. Sweep: 3cps to 50kc. Cancelled and reassigned as OS-47/DSM.	Hycon Mfg 143400	USN		P/O AN/DSM-6,9
OS-47A/DSM	Oscilloscope	Y-axis: 20cps to 100kc ±3db, 0.25rmsv/in. Sweep: 3cps to 50kc.	Hycon Mfg 187630-505	USN		P/O AN/DSM-9
OS-48()/U OS-48/U	Oscilloscope	Y-axis: dc to 2Mc, 5mv/cm. Sweep: triggered, 0.5v or larger. 5" screen. Part of corporal missile ground guidance test equipment.	Tektronics Inc 512	ORDTU-47-54		
OS-49()/MPA-4 OS-49/MPA-4	Oscilloscope	Classified.		ORDDW-135-54		
OS-50()/MRQ-7 OS-50/MRQ-7	Oscilloscope	Y-axis: 10% response pt 100kc, 10rmsμv/in. X-axis: 10% response pt 100kc, 0.1rmsv/in. Sweep: 2cps to 30kc. 5" screen.	Gilfillan Bros 8130064	USA ORDTU-229-54		P/O AN/MRQ-7
OS-50()/M OS-50/M	Oscilloscope	Y-axis: 10% response point is at 100kc and 5% at 300kc, 10rmsμv/inch. X-axis: 10% response at 100kc and 50% at 300kc, 0.1rmsv/inch. Sweep: 2cps to 30kc. 5" screen.	Gilfillan Bros 8130064	USA ORDTU-105-54		P/O AN/MRQ-6
OS-51/USM-24C	Oscilloscope	Y-axis: 2cps to 8Mc, 0.05rmsv/in. X-axis: 8cps to 800kc, 3.5rmsv/in. Sweep: 8cps to 800kc. 3" screen.	Waterman Products Co DFS-022-A01	USA USN	MIL-O-15458A (SHIPS)	
OS-51A/USM-24C	Oscilloscope	Y-axis: 2cps to 8Mc, 0.05rmsv/in. X-axis: 8cps to 800kc, 3.5rmsv/in. Sweep: 8cps to 800kc. 3" screen.	Waterman Products Co ACS-033	USN	MIL-O-15458A (SHIPS)	
OS-52()/GPA-30 OS-52/GPA-30	Oscilloscope	Y-axis: 5cps to 3.75Mc, 0.05p-pv/in. Sweep: 20cps to 10kc. 3" screen.	Televiso Corp	WL-54-1330	RADC-2259	P/O AN/GPA-30
OS-53/FSM-5B	Oscilloscope	Y-axis: dc to 300kc down 10% at 100kc, 0.009rmsv per in. X-axis: dc to 300kc down 10% at 100kc, 0.1rmsv/inch. Sweep: 2 to 30,000. Sweep maybe slowed to 0.5cps w/external capacitor. Linear or recurrent sweep. Long persistance 5" screen.	Dumont Labs 304AR	USN		P/O AN/FSM-5B
OS-54()/URN-3	Oscilloscope	Y-axis: 5cps to 2Mc, 0.035v/in. X-axis: 5cps to 1Mc, 5v/in. Sweep: 25cps to 2.5Mc. 5" screen. Used with AN/URN-3.	Dumont Labs	USN		
OS-55()/MSQ-1A OS-55/MSQ-1A	Oscilloscope	X and Y-axes: 2cps to 30kc, 35.7rmsmv/in. Sweep: 15cps to 2kc. 5" screen.	Reeves Inst 133150	WL-55-R-1388	RADC-2292	P/O OA-725/MSQ-1A
OS-56/UPM-70	Oscilloscope	Y-axis: 20mv/inch. Frequency range: 20 to 5000pps.	Gen Communications E-51581	USN ELQ-57410-001	SHIPS-T-1239	P/O AN/UPM-70
OS-57/USM-38	Oscilloscope	Y-axis: 10cps to 6Mc ±3db, 0.1rmsv/inch. Sweep: 5cps to 100kc, expansion, delay. Markers: 1.0, 10 & 100μsec intervals. 3"screen.	Trak Electronics Co 124-0-102	USN	SHIPS-O-1518	P/O AN/USM-38
OS-58()/U	Oscilloscope	Y-axis: 0.25 peak v/in. Sweep: circuits included, and markers included. 5" screen.		USAF WL-55-1018	RADC-1618	
OS-59()/GRC	Oscilloscope	Y-axis: 13.6cps to 2Mc, 0.06rmsv/in. X-axis: 15cps to 500kc. Sweep: 30cps to 3 kc. 3" screen.	Motorola Inc X1082	USA WL-55-R-1673	RADC-1568	P/O OA-1002()/TRT-4 AN/TRQ-13(), 11(),12() AN/FRQ-5(),6() OA-1001/()TRR-9
OS-59()/TRC-45	Oscilloscope	Same description as OS-59()/GR.	Motorola Inc X1082	USAF WL-55-1136	RADC-1568	P/O AN/TRC-45()
OS-60/TRN-3	Oscilloscope	X & Y-axes: 5cps to 5kc, 0.5rmsv/in. Sweep: 50cps to 1kc, fixed frequencies provided. 3" screen.		USN-1416	SHIPS-T-1867	P/O UXA-101 AN/TRN-3
OS-61()/USM-58 OS-61/USM-58	Oscilloscope	Y-axis: dc to 6Mc ±3db, 300v/in. Sweep: 0.938kc/ 9.3kc/93kc/186.2kc. 3" screen.	Radio Corp of Amer 8908051-501	USAF AEL-55-426	WCE-295	P/O AN/USM-58
OS-62()/USM-50 OS-62/USM-50	Oscilloscope	Y-axis: 5cps to 15Mc, 0.013rmsv/cm. X-axis: 10cps to 750kc, 0.5rmsv/cm. Sweep: 0.17μsec to 37.5msec duration, markers provided. 3" screen.	Lavoie Labs K-00000098	USA SCLM-1272		P/O AN/USM-50A
OS-62A/USM-50	Oscilloscope	Same description as OS-62/USM-50.	Lavoie Labs K91700110	SESA-57-1105		U/W AN/USM-50B
OS-63()/USM	Oscilloscope	X and Y-axes: dc to 1Mc, 0.05p-pv, 1MΩ. Sweep circuits included. 5" screen.		SCLE-9711		P/O AN/USM-59()
OS-64()/USM	Oscilloscope	Y-axis: dc to 35Mc, 0.1v/div. X-axis. Dc to 750kc, 0.1v/div. Sweep: circuits included. 5" screen. 4 plug-in amplifiers, 1 plug-in delay circuit.	Tektronix Inc	SCLE-9712		P/O AN/USM-61()
OS-65()/FGC	Oscilloscope	Y-axis: dc to 100kc down 10%, 0.009rmsv/in. X-axis: dc to 100kc, 0.1rmsv/in. Sweep: 2cps to 30kc. 5" screen.	Dumont Labs 304AR	USN 1962		
OS-66/FSH-T1	Oscilloscope	Y-axis: 7.5cps to 10kc, 0.25v/div. X-axis: 7.5cps to 10kc, 0.5v/div. Sweep: 7.5cps triggered. 7" screen.		USN		P/O AN/FSH-T1
OS-67/U	Oscilloscope	Y-axis: dc to 100kc down 10%, 0.01 p-pv/cm. X-axis: dc to 100kc down 10%, 0.12 p-pv/cm. Sweep: 1"/μsec triggered, calibrated. 5" screen.	Dumont Labs 304AR	USN		
OS-68()/GPN OS-68/GPN	Oscilloscope	Y-axis: dc to 7Mc, 0.1rmsv/in. X-axis: 2cps to 100kc, 0.2rmsv/in. Sweep: 3cps to 30kc triggered. 3" screen.	Gilfillan Bros 60947	WL-56-1324	EXH: ENG-432A RADC	P/O OA-154/GPN
OS-69()/MPS-16 OS-69/MPS-16	Oscilloscope	Y-axis: 65cps to 3.6Mc, 0.33v/inch. 2" screen.	Crosley AR731337	WL-56-1554	EXH: ENG-2242 RADC	P/O OA-1265/MPS-16&()
OS-70/FQQ	Oscilloscope	Y-axis: dc to 100kc, 0.009rmsv/inch. X-axis: 0.1 per inch. Sweep: 2cps to 30kc. 5" screen.	Dumont Labs 3001	USN		P/O AN/FQQ-1(V) AN/FQQ-2(V)
OS-71()/FPS OS-71/FPS	Oscilloscope	Sweep: 30cps to 1kc. 5" screen.	General Electric PL7610096G1	CRC-56-533	AFCRC 55-29A	P/O AM/1379/FPS

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
OS-72()/U OS-72/U	Oscilloscope	Y-axis: dc to 2Mc, 0.009rmsv/inch. X-axis: dc to 300cps, 0.18rmsv/inch. Sweep: triggered, 2μsec to 120 sec duration, expanded sweep. Z-axis input, plug-in preamp, accommodations for camera device. 5" screen.	Tektronix Inc 532/D	USA EMSA-62-3091		
OS-73/MPM-38	Oscilloscope	Y-axis: 5cps to 15Mc, 0.03 p-pv/cm. X-axis: 10cps to 750kc, 1.5 p-pv/cm. Sweep: 10cps to 20Mc triggered and has a delay. 5" screen.		ORDDW-279-56	MPD-4063	P/O AN/MPM-38
OS-74/MPM	Oscilloscope	Y-axis: 5cps to 15Mc, 0.3p-pv/cm. X-axis: 10cps to 10kc, 1.5p-pv/cm. Sweep: 10cps to 20Mc triggered and marker included. 3" screen.	Bell Telephone Labs GS-18260	ORDDW-212-56		P/O TS-1024/MPM-39 thru TS-1028/MPM-39
OS-76/FSA-T1	Oscilloscope	Tektronix 535 lab scope with 53D/54D high gain plug-in differential preamp.	Ralph M Parsons Co #47731-2	USN	SHIPS-C-1934 MIL-D-18122	P/O AN/FSA-T1
OS-77()/FPS-7 OS-77/FPS-1	Oscilloscope	Y-axis: flat to 1Mc, 10rmsmv/inch. X-axis: 25rmsmv per inch. Sweep: 20cps to 200kc. 5" screen.	General Electric PL7303946G1	WL-56-2474	RADC-2383	P/O OA-1494/FPS-7
OS-78()/FPS-7 OS-78/FPS-7	Oscilloscope	22cps to 550kc, 0.4v/inch. Sweep: 240μsec duration. 3" screen.	General Electric 7612816G1	WL-57-1013	EXH: RADC-2383	P/O OA-1574/FPS-7
OS-80/TRN-3X	Oscilloscope	X & Y-axes: 50cps to 5kc, 0.5rmsv/in. Sweep: 50cps to 1kc. 3" screen.	Seismograph Serv Corp UMJ-101	USN-57-b-884	SHIPS-T-2457	P/O AN/TRN-3X
OS-81()/GPQ-T1A OS-81/GPQ-T1A	Oscilloscope	Y-axis: dc to 5Mc, 0.2rmsv/0.25in. Sweep: circuits included. Triggered. 3" screen.	Gilfillan Bros 76673	AEL-57-685		P/O MK-381/GPQ-T1
OS-82/U	Oscilloscope	Y-axis: dc to 300kc -5db,25mv/in. X-axis: dc to 300 kc -5db,1.2v/full scale. Sweep: 2cps to 30kc driven. Markers included. 5" screen.	Dumont Labs 304-AR	USN-57-X-1438		
OS-82A/USM-105	Oscilloscope	Y-axis: dc to 15Mc, 0.02v/cm. X-axis: dc to 1Mc, 0.1v/cm. Sweep: 0.02μsec/cm to 12.5sec/cm, triggered or free running. Sweep expansion of 100. 24 time calibrated sweep circuits.	Hewlett-Packard 160B(W)	N-59-X-2939	MIL-R-9615A	P/O AN/USM-105A U/W MX-2931/USM-105 MX-2962/USM-105A
OS-83/U	Oscilloscope	Y-axis: dc to 300kc ±3db, 4mv fs. X-axis: dc to 200 kc ±3db, 3v fs. Sweep: 0.25cps to 125kc, driven or recurrent, w/markers. Dual beam. Calibrated. 5" screen.	Dumont Labs 333	USN-57-X-1439		
OS-84()/U	Oscilloscope	Classified.		USN-57-b-1510		
OS-85/SPM-10	Oscilloscope	Y-axis: 5cps to 15Mc, 0.03p-pv/cm, 1MΩ/30μμf. Provides sweep expansion, timing markers. 5" screen.	Lavoie Labs LA-K192 (Mod)	USN-57-d-1704	MIL-R-18669	P/O AN/SPM-10 U/W AN/SPW-2 AN/SPG-49 AN/DSM-18
OS-86()/FSG-1 OS-86/FSG-1	Oscilloscope	Rack mounted modified Tektronix 513.	The Martin Co 5211 Amer Mach & Foundry SM-E-231900GP2	SESA-13287		P/O OA-1776/FSG-1 U/W MX-2386/FSG-1
OS-87/SPM-8A	Oscilloscope	Y-axis: 200cps to 20Mc, 0.3v/inch. X-axis: 30cps to 100kc. Sweep: 0.5/5.0/25/750μsec and 45msec duration. Variable calibrated sweep delay. Dual sweep. 5" screen.	Aircraft Armaments 97384	N-58-d-582		P/O AN/SPM-8A
OS-88/SPS-29	Oscilloscope	Classified.		N-58-b-531		
OS-89()/DJM-7 OS-89/DJM-7	Oscilloscope	Has internal calibrating voltage.	AC Spark Plug 7900259	WDD-57-703		P/O AN/DJM-7
OS-90/SPG-51	Oscilloscope	Y-axis: 10cps to 4Mc -2db,0.1rmsv/inch. X-axis: 50cps to 200kc. Sweep: 10 to 200kc. 2.25" by 3.5" screen. A modified AN/USM-32.	Raytheon 3216	USN-58-d-1809		P/O AN/SPG-51 OA-1862/SPG-51
OS-91/WQM-3	Oscilloscope	X and Y-axis: dc to 300kc, 1mv/cm. 1MΩ. Sweep: 0.1 cps to 0.1Mc. Provides markers. 5" screen.	Dyna Empire Inc 841-100	USN-58-n-1911		P/O AN/WQM-3()
OS-92/U	Oscilloscope	Y-axis: dc to 4Mc. X-axis: 2cps to 2Mc. Sweep: 2cps to 2Mc. 3" screen.	Tektronix Inc 310	N-58-ac-2058		P/O AN/SPN-28
OS-93()/TPN-12 OS-93/TPN-12	Oscilloscope	Y-axis: to 6Mc, 2rmsv/inch. X-axis: 20rmsv/inch. 3" screen.	Bendix Radio 06845	WL-58-2066	MIL-R-9616 (USAF)	P/O CA-2095/TPN-12
OS-94/SPS-42	Oscilloscope	2 independant scopes with 5" screens. LF scope: X and Y-axis have dc to 40kc response and 0.02rmsv/inch sensitivity. No sweep circuits are provided. HF scope: 30cps to 500kc on Y-axis at 0.25rmsv/inch. With sweep duration from 5 to 5000μsec and markers.	Hughes Aircraft Co	N-59-b-226	506094-400	P/O AN/APS-42
OS-95/SP	Oscilloscope	Y-axis: 10cps to 2.5Mc, 10mv fs. Sweep: 10μsec to 30msec. 3" screen.	Westinghouse Electric 478D408	USN-59-b-317		P/O AN/SPS-37,37A,43,43A OA-3213/SPS-29C
OS-96()/FPN-34 OS-96/FPN-34	Oscilloscope	Y-axis: 500cps to 3Mc, 0.125p-pv/inch. X-axis: 500cps to 200kc. Sweep: 2000μsec duration. 5" screen. Used with ID-768/FPN-34 to observe waveforms of various circuits throughout radar set.	Bendix Radio R650778-1	WL-59-1038	EXH: RADC-2475A	P/O OA-2250/FPN-34
OS-97()/FPS-7B OS-97/FPS-7B	Oscilloscope	Y-axis: 2cps to 15Mc, 50p-pmv/cm. X-axis: dc to 500 kc, 1.4p-pv/cm. Sweep: 22 calibrated steps from 0.2μsec/cm to 2sec/cm. 5" screen.	Tektronix Inc 209C	WL-59-1025	RADC-2383	P/O AN/FPS-7
OS-98()/FPS-7B OS-98/FPS-7B	Oscilloscope	Same description as OS-98/FPS-7B&(). Uses blue rather than green filter.	Tektronix Inc 209CA	WL-59-1153	RADC-2383	P/O AN/FPS-7B
OS-99()/TPQ-11 OS-99/TPQ-11	Radio Frequency Monitor	U/W OA-2455/TPQ-11&(). Sweep: 15,30 & 60 thousand feet. 3" screen.	Olympic Radio & TV SA-18124	CRC-59-206		P/O R-810/TPW-11
OS-100()/USM-109 OS-100/USM-109	Oscilloscope	Y-axis: dc to 10Mc, 0.01v/div (ac coupled) or 0.1v per div (dc coupled). X-axis: dc to 500kc. Sweep: 0.2μsec/div to 2sec/div, recurrent or single. A repackaged Tektronix RM-16. 3" screen.	Sylvania Electric Co	N-59-Y-1961	SHIPS-M-3059	P/O AN/USM-109

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
OS-101/SPS-39	Oscilloscope	Y-axis: dc to 2.5Mc, 0.05v/cm ac, 0.5v/cm dc. Triggered sweep only; 10/50/500/10,000/100,000μsec sweep duration. 5" screen.	Hughes Aircraft Co 506094-110	N-59-b-2082		P/O AN/SPS-39
OS-102/U	Oscilloscope	X and Y-axes: dc to 100kc, 10mv/cm. Sweep: 5μsec to 250msec. 5" screen.	Dumont Labs 401-AR	N-59-n-2411		P/O AN/FQQ-6
OS-103/FPN	Oscilloscope	X and Y-axes: dc to 300kc, 1p-pmv/cm. Sweep: 0.5cps to 500kc. 5" screen. Equivalent to HP-130B.	Sperry Gyroscope 1501486	N-59-ac-2954		P/O OA-2573/FPN-41 AN/FPN-41
OS-103/FPN-41	Oscilloscope	Same description as OS-103/FPN.	Sperry Gyroscope 1501486	N-59-ac-2707		P/O OA-2573/FPN-41
OS-104()/USM-89	Oscilloscope	X-axis: 1.2v/0.25inch. Sweep: 0.1μsec/div to 0.6sec per div in 18 calibrated steps, triggered or recurrent. 3" screen.	Tektronix Inc 310	SESA-59-292		P/O AN/USM-89
OS-104A/USM-89	Oscilloscope	Y-axis: dc to 4Mc, 0.1rmsv/inch. X-axis: 2.12rmsv/inch. Sweep: 0.167 to 50,000cps. 3" screen. Differs from OS-104/USM-89 in that this item has a captive power cable.	Tektronix Inc 310A	SESA-60-127		
OS-105()/GPM-41 OS-105/GPM-41	Oscilloscope	Y-axis: 30cps to 2Mc, 40p-pmv/in. X-axis: dc to 100 kc, 3.6p-pv/inch. Sweep: circuits not included. U/W DT-222()/GPM-41. 1.12" X 2.75" screen.	Motorola Inc 201-21758	SESA-60-2062		P/O AN/GPM-41()
OS-106/USM-117	Oscilloscope	Y-axis: dc to 5Mc, 0.01p-pv/0.25". X-axis: dc to 500kc, 0.5p-pv/0.25". Sweep: 0.1μsec/div to 0.1sec/div, expansion to 5X, triggered or recurrent. Dual trace, 2.75" X 3.25"screen.	Electronic Tube Corp 3211E3161	N-60-X-201	SHIPS-0-3284	P/O AN/USM-117
OS-107/GPA-91	Oscilloscope	Y-axis: 3.5Mc bandwidth, 50mv/inch. Sweep: 0.1/0.5/1/2/5/50msec for 2 inch deflection, 5% sweep speed error. 3" screen.		N-60-b-280		P/O AN/GPA-91
OS-108()/USM-120 OS-108/USM-120	Oscilloscope	Y-axis: dc to 24Mc, 0.05v/cm. X-axis: dc to 240kc, 0.2v/cm. Sweep: 0.02μsec/cm to 12sec/cm calibrated delay and dual trace. 5" screen.	Tektronix Inc 945	N-60-x-603	MIL-T-945A	P/O AN/USM-120
OS-109()/MSQ-1A OS-109/MSQ-1A	Oscilloscope	Sweep: 1/3/10/100μsec/cm. Requires 110vac, 300vdc at 170ma, -300vdc at 20ma.	Reeves Inst 171545	WL-60-1854	MIL-A-9655	P/O OA-1578/MSQ-1A
OS-110/U	Oscilloscope	X and Y-axes: dc to 150±15kc ±3db, 25mv/in. Sweep: 18 settings from 125msec/in to 10μsec/in. Driven and recurrent. 5" screen.	Dumont Labs 401-AP	N-60-m-1050		P/O AN/FQQ-3(V)
OS-111/U	Oscilloscope	Y-axis: dc to 10Mc, 0.1v/division. X-axis: dc to 500kc, 1.3v/quarter inch. Sweep: 0.2msec/division to 2sec/division, triggered. Sweep markers from 2sec/division to 0.2msec/division. 3" screen.	Teletype Corp	N-60-Y-1384		P/O AN/UGC-3 OA-2994/UGC-3
OS-112()/U	Oscilloscope	Y and Y-axes: dc to 300kc, 1mv/cm. Sweep: 0.2μsec to 12.5sec/cm, trigger is 0 to 30v variable. 5" screen.	Hewlett-Packard 130B	SIMSA-60-170		
OS-113()/DSM-60 OS-113/DSM-60	Oscilloscope	Classified.		RCAF 393		
OS-114/WQM-4	Oscilloscope	X and Y-axes. dc to 30kc, 0.5rmsmv/inch. Sweep: 0.33 to50,000cps. 5" screen.	Daven Co D-10520-2	N-61-n-75	MIL-T-19361A (SHIPS)	P/O AN/WQM-4
OS-115/ASM-33	Oscilloscope	Y-axis: dc to 10Mc, 0.05 to 50v/cm. X-axis: dc to 500kc. Sweep: dc to 500kc. 3" screen.	General Electric 134A2369G1	N-61-W-112		P/O AN/ASM-33
OS-116()/FSA OS-116/FSA	Oscilloscope	Y-axis: dc to 30Mc, 20mv/cm. X-axis: dc to 1Mc, 0.1v per cm. Sweep: 1μsec to 50μsec duration. Has provisions for MX-3463/FSA&(), and Sweep Delay Generator TD-477/FSA&(). 5" screen.	General Electric 7079244	WL-60-4628		P/O OA-3248/FSA-30 OA-3250/FSA-31
OS-117/DSM	Oscilloscope	Y-axis: dc to 200kc, 10mv/cm. X-axis: dc to 200kc, 0.1v/cm. Sweep: 1μsec/cm to 0.5sec/cm. 5" screen.	Hewlett-Packard H10-120AR	N-61-W-180		P/O CM-122/DSM
OS-118()/TPS-22 OS-118/TPS-22	Oscilloscope	Y-axis: 10cps to 2.5Mc, 10rmsmv/inch. Sweep: trigger, 30cps to 30kc. 3" screen.	Westinghouse Electric 483D563G01	WL-60-4531		P/O AN/TPS-22
OS-119()/GGM OS-119/GGM	Oscilloscope	Sweep: Receives its sweep timing signals from the TS-1512/GGM. Continuous repetitive sweep. 5" screen.	Stelma Inc DSS-5	SEA-60-326		P/O AN/GGM-1,2,3,&4
OS-120/USM-139	Oscilloscope	Y-axis: dc to 15Mc, 0.02rmsv/cm. X-axis: dc to 1Mc, 0.1rmsv/cm. Sweep: 1μsec to 150μsec duration, 0.063cps to 1Mc range. 5" screen.	Hewlett-Packard 160BR	N-61-X-280	MIL-0-2237 (SHIPS)	P/O AN/USM-139 U/W MX-2931/USM-105 MX-2962/USM-105A
OS-121/USM-140	Oscilloscope	Y-axis: dc to 30Mc, 0.02rmsv/cm. X-axis: dc to 1Mc, 0.1rmsv/cm. Sweep: 1μsec to 150sec duration, 0.063cps to 1Mc frequency. 5" screen.	Hewlett-Packard 170A	N-61-X-282	MIL-0-22237 (SHIPS)	U/W MX-2931/USM-105 MX-2962/USM-105A P/O AN/USM-140
OS-121A/USM-140	Oscilloscope	Y-axis: dc to 30Mc, 0.2p-pv/cm. X-axis: dc to 1Mc, 0.1p-pv/cm. Sweep: 0.1μsec/cm to 5sec/cm ±3%. Triggered or recurrent. Delay 1 to 100 in 7 steps. 5" screen.	Hickok Electrical Inst 1807-1	N-62-X-2660	MIL-0-2237A (SHIPS)	U/W MX-2931/USM MX-2962/USM AM-3567/USM AM-3568/USM P/O AN/USM-140A
OS-122/USM-141	Oscilloscope	Y-axis: dc to 30Mc, 0.02rmsv/cm. X-axis: dc to 1Mc, 0.1rmsv/cm. Sweep: 1μsec to 150sec duration, 0.063cps to 1Mc duration. 5" screen.	Hewlett-Packard 170AR	N-61-X-284	MIL-0-22237 (SHIPS)	P/O AN/USM-141 U/W MX-2931/USM-105 MX-2962/USM-105A
OS-123()/U	Oscilloscope	Y-axis: dc to 450kc, 5mv/cm. X-axis: 0.2cps to 100kc, 0.5v/cm. Sweep: triggered, 0.2cps to 100kc. 5" screen.	Tektronix Inc RM-504	NSA-62-0058		P/O AN/GSQ-53
OS-124()/GRM-19	Oscilloscope	Y-axis: dc to 100kc, 0.025vdc/in. X-axis: dc to 100kc, 0.300vdc/in. Sweep: 2cps to 30kc. Triggered. 5" screen.	Dumont Labs 2559A	SIMSA-61-245		P/O AN/GRM-19()
OS-125/FRA	Oscilloscope	Y-axis: 10mv/cm. X-axis: 0.1v/cm. Sweep: 5μsec/cm to 200msec/cm. Input Z: 1MΩ on Y-axis. 5" screen.	Hewlett-Packard 120AR	N-61-Y-1495		P/O OA-3368/FRA
OS-126()/MPA-12 OS-126/MPA-12	Oscilloscope	Y-axis: 30cps to 9Mc, 0.3rmsv/in. X-axis: dc to 200 kc, 0.4rmsv/in. Sweep: 25cps to 10kc, triggered. 5" screen.	Gilfillan Bros 97390	RONE-61-162		P/O AN/MPA-12
OS-127()/FPS-35 OS-127/FPS-35	Oscilloscope	Sweep: 2μsec duration, expanded. 5" screen.	Sperry Gyroscope Co 1017333	WL-62-1460	MIL-R-9615A	P/O OA-3830/FPS-35

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OS-129()/ASM-35 OS-129/ASM-35	Oscilloscope	Y-axis: 2cps to 14Mc, 0.02rmsv/cm. X-axis: 2cps to 1Mc, 0.01rmsv/cm. Sweep: 0.1μsec/cm to 15sec/cm. 5" screen.	Magnavox Co 712062-801	N-61-W-1887		P/O OA-3579/ASM-35
OS-130(P)/USM-157	Oscilloscope	Y-axis: dc to 10Mc, 0.01v/div to 50v/div. X-axis: dc to 500kc, 3v/div. Sweep: 0.2μsec/div to 2sec/div triggered. 3" screen. Plug in preamp AM-3254/USM-157.	Gen Atronics Corp 02-142754	N-61-X-2435	SHIPS-M-3768	P/O AN/USM-157
OS-131/MSM-34	Oscilloscope	Y-axis: 2cps to 3.5Mc, 0.02v/cm. Sweep: 500μsec/cm to 2μsec/cm. 5" screen.	Hughes Aircraft Co 507094-100	SIMSA-61-4146	ADA-21A w/amend I	P/O OA-3562/MSM-34
OS-132/SPA	Oscilloscope	Y-axis: dc to 5Mc, 0.01p-pv/div to 20p-pv/div. Sweep: 0.5μsec/div to 0.5sec/div. 3" screen.	Tektronix Inc 321	N-62-b-1962		P/O AN/SPA-57
OS-133(P)/USM-152	Oscilloscope	Y-axis: dc to 30Mc, 0.005v/cm. X-axis: 0.2v/cm, dc to 240kc. Sweep: triggered, 0.2 to 100v. 5" screen.	Tektronix Inc	N-62-n-75		P/O AN/USM-152
OS-134()/GRA-64(V)	Oscilloscope	Y-axis; dc to 240kc, 0.05v/cm to 20v/cm. X-axis: dc to 15Mc, 0.2v/cm to 15v/cm. Sweep: 0.02cps to 1Mc. 5" screen.	Tektronix Inc RM 35A W/CA	NSA-0048		P/O AN/GRA-64()(V)
OS-135(P)/GSM-77	Oscilloscope	Y-axis: frequency and sensitivity depend upon particular plug-in preamp used. X-axis: dc to 240kc, 0.2v/cm. Sweep: 0.1μsec to 5sec/cm. Has 5 time sweep expansion, 1μsec to 10sec delayed sweep and trigger sweep. 5" screen.	Tektronix Inc RM 45A	N-62-b-91		P/O AN/GSM-77 U/W AN/GPA-107(V) AN/GPA-106(V)
OS-136()/USM-129 OS-136/USM-129	Oscilloscope	Y-axis: dc to 200kc, 10mv/cm to 100v/cm. X-axis: dc to 200kc, 0.1v/cm to 100v/cm. Sweep: 2cps to 200kc. 5" screen. 2 beams.	Hewlett-Packard 122AR	ORDBA-62-0344		P/O AN/USM-129
OS-137(P)()/USM-160 OS-137(P)/USM-160	Oscilloscope	Y-axis: dc to 15Mc, 5mv/cm to 20v/cm. X-axis: dc to 500kc, 0.1v/cm to 100v/cm. Sweep: 60cps to 20Mc. 5" screen.	Tektronix Inc RM-33	ORDBA-62-0342		P/O AN/USM-160
OS-138()/MSQ-48	Oscilloscope	Used to check waveforms of the master station electronic equipment.	Hewlett-Packard HO -160A with HO -162A	AEPG-96-62	TR CSD-23-59	P/O OA-3928()/MSQ-48
OA-139/DSM-18C	Oscilloscope	Y-axis: 3cps to 15Mc, 24mv/inch. X-axis: 10 to 750,000cps, 3v/inch. Sweep: triggered, 10cps to 1.60Mc. Has 0.2/1/3/20/100/500/2000μsec markers. 3" screen.	Bendix Corp	N-62-W-1161		P/O OA-4033/DSM-18C
OS-140/FQQ	Oscilloscope	Y-axis: dc to 500kc, 10mv/cm. X-axis: dc to 500kc, 10mv/cm. Sweep: continuous, 200msec to 1μsec. 5"screen.	Dumont Labs 401BR	N-62-N-1407		P/O OA-41119/FQQ
OS-141/SPM-15	Oscilloscope	Y-axis: dc to 12Mc, 50mv/cm to 20v/cm. X-axis: 0.008cps to 5Mc. Sweep: 0.008cps to 5Mc. 5" screen.	Raytheon 4124 and YE4124-1001P1	N-62-W-1479	BuWeps OS12482 Navy	P/O OA-4120/SPM-15
OS-142()/FYQ-5 OS-142/FYQ-5	Oscilloscope	X and Y-axes: no frequency data, 20rmsv/cm. Sweep: 50cps to 250kc and expanded. 5" screen. Provision for camera recording.	Hewlett-Packard 122AR	WL-62-3905		P/O OA-4340/FYQ-5
OS-143/U	Oscilloscope	Y-axis: dc to 200kc, 0.010rmsv/cm. X-axis: dc to 200kc, 0.1rmsv/cm. Sweep: X and Y axes, 5μsec/cm to 200msec/cm, 5 time expansion ±10%. -axis input. Triggered sweep. 5" screen.	Hewlett-Packard	N-62-W-2044		P/O AN/USA-17
OS-144()/ASM-33A OS-144/ASM-33A	Oscilloscope	Y-axis: dc to 10Mc, 0.05 to 50v/cm in ten steps. X-axis: dc to 500kc. Sweep: 0.1μsec/cm to 2sec/cm in 23 steps. 3" screen.	General Electric 134A 3900 G2	NW-62-160		P/O AN/ASM-33A
OS-145()/TRM-11 OS-145/TRM-11	Oscilloscope	Y-axis: dc to 10Mc, 0.04v/inch. X-axis: dc to 500kc, 5.2v/inch. Sweep: triggered,0.16 to 24μsec/inch. Input Z: 1MΩ on Y-axis, 100kΩ on X-axis. 3" screen.	Tektronix Inc RM-17	CRC-62-60		P/O AN/TRM-11
OS-148()/GPM-52 OS-148/GPM-52	Oscilloscope	Y-axis: 3cps to 1Mc, 0.03v/inch. X-axis: 3cps to 1Mc, 3.6v/inch. Sweep: no internal circuits, range dc to 100kc. Used with DT-273/GPM-52. 1.125"X2.75" screen.	Motorola Inc 201-42469	EMSA-62-1504		P/O AN/GPM-52
OS-149()/GLR-1 OS-149/GLR-1	Oscilloscope	Y-axis: dc to 240Mc, 0.05v/cm to 40v/cm. X-axis: dc to 30Mc. Sweep: 2v/cm on Y-axis, 0.2v/in on X-axis. Provisions for camera recording device. 2 beams. 5" screen.	Gen Dynamics/Elec 666129-110	WL-62-6367		P/O OA-4815/GLR-1
OS-5001()/U OS-5001/U	Oscilloscope	Y-axis: dc to 300kc, 0.009rmsv/inch. X-axis: dc to 300kc, 0.1rmsv/inch. Sweep: recurrent and driven, 2 to 30,000cps, below 2cps w/external capacitor. 5" screen.	Dumont Labs 304AR	Canada RCAF 223		
OS-5001B/U	Oscilloscope	Y-axis: dc to 100kc, 0.009rmsv/inch. X-axis: dc to 100kc, 0.1rmsv/inch. Sweep: 2 to 30,000cps. 5" screen.	Jetronic Industries OS-5001()/U	SESA-60-126		U/W OA-5004/MSG-501 OS-5005/MSC-501
OS-5002()/FPS-502	Oscilloscope	Classified.		RCAF 393		
OS-5003()/U	Oscilloscope	Classified.		RCAF 479		
OS-5004/U	Oscilloscope	Y-axis: dc to 200kc, 0.9vdc/in and 0.015rmsv/inch. X-axis: dc to 200kc. 1.1vdc/in and 0.4rmsv/inch. Sweep: 10μsec to 5sec triggered. 5" screen.	Dumont Lab 250AN	CAN-CA-210		
OS-5005(P)/USM-504	Oscilloscope	Y-axis: dc to 15Mc, 10v/cm. X-axis: dc to 500kc, 28v/cm. Sweep: 0.1μsec/cm to 15sec/cm. 5" screen.	Tektronix Inc 533A	CA-62-496		P/O AN/USM-504
OS-5006/GPM-504	Oscilloscope	Y-axis: 30cps to 9Mc, 0.3rmsv/in. X-axis: dc to 200 kc, 0.4rmsv/in. Sweep: 25cps to 10kc. 5" screen.	Gilfillan Bros. 100318	RCAF-62-1800		P/O AN/GPM-504 U/W AN/FPN-501(V) AN/MPN-501(V)

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RD-1/ASQ-1	Recorder	A light weight, graphic recording ammeter.	General Electric			P/O N/VSQ-1
RD-2()/GXR RD-2/GXR	Recorder	Variable-speed tape facsimile recorder, consists of amplifier-detector and printer mechanism capable of responding to 25 to 75 wpm transmission.		SIGGG-S4		
RD-3()/FMQ-1 RD-3/FMQ-1	Radiosonde Recorder	Records temperature, relative humidity and atmospheric pressure on strip chart. Requires 115v, 60cps.	Friez	ESL-3508	ESL-2082	P/O AN/FMQ-1()
RD-4/ASQ	Recorder	Spring driven graphic recording meter with light for scale lumination and a type AN-3108-18-4S plug on rear of meter.	Esterline-Angus			P/O AN/ASQ-3 AN/ASQ-3A
RD-4A/ASQ	Recorder	Ammeter: Portable; dc marked roentgens per day, 0 to 10ma interchangeable with RD-4/ASQ, except for input connection additions.		USN		P/O AN/ARR-29()
RD-5()/GNQ-2 RD-5/GNQ-2	Recorder-Reproducer	Electro-mechanical-speed: 11rpm. Records on a 7" acetate disk. It reproduces the signal on a disk by the use of a crystal reproducing head and sapphire reproducing stylus.	Memovox	ARK-45-R610		P/O AN/GNQ-2
RD-6()/ANQ-2 RD-6/ANQ-2	Recorder Unit	7" acetate disk records. 11rpm recording speed. Replaceable stylus. Includes amplifier.	Memovox	ARL-45-R549		P/O AN/ANQ-2()
RD-7()/APA-23 RD-7/APA-23	Recorder	An electro-mechanical device to drive radar search receiver through a selected portion of its tuning range and record time of a received signal.	Gamewell Co	ARL		P/O AN/APA-23
RD-8()/APQ-5-T1 RD-8/APQ-5-T1	Plotting Recorder	Consists of a ½" thick frosted lucite screen and framework which mounts on top of equation solver. The screen is marked so that when a small spot of light is projected upon the screen from the equation solver, the relative position of the bomber and target are shown.	International Proj Co	ARL-3821		P/O AN/APQ-5-T1 AN/APQ-5-T1A
RD-9()/TMR-1	Radiosonde Recorder	Consists of high speed chart potentiometer recorder for measuring the output voltage supplied by Radiosonde Receiver R-117()/TMR-1 or receiver of Radio Set SCR-658-().		QCD		P/O AN/TMR-1()
RD-10()/ANQ-1 RD-10/ANQ-1	Recorder Unit	0.006 inch stainless steel wire, 290rpm.	Brush Dev Co	ARL-45-R585		P/O AN/ANQ-1
RD-11()/GNQ-1 RD-11/GNQ-1	Recorder-Reproducer Unit	0.006 inch magnetic wire, 290rpm. Portable. Includes amplifier.	Brush Dev Co		AAF 71-854	P/O AN/GNQ-1
RD-12()/TSS-1	Recorder	Records signals from MD-47()/TSS-1 on teledeltos paper. Has a time marking device.		SCL		P/O AN/TSS-1()
RD-13()/GNQ-4	Recorder-Reproducer Unit	Records on acetate coated disc, 33.3 and 78rpm. Max. recording time 15 min.	Presto Recording 75-A	SCL		P/O AN/GNQ-4()
RD-14()/GMQ-5 RD-14/GMQ-5	Recorder	Prints a continuous record of azimuth angle and distance in kilometers of RT-81()/AM to AS-223()/GMQ-5.		USN		P/O AN/GNQ-5()
RD-15()/ANQ-1A RD-15/ANQ-1A	Recorder Unit	Uses 0.006 inch steel wire, 290rpm.	Brush Dev Co	ARL-45-B544		P/O AN/ANQ-1A
RD-17()/U RD-17/U	Recorder	Uses 0.375 inch paper tape, inked line. 15 to 400 words per minute.	Boehme Inc 4-G	SCL		P/O AN/MRC-1()
RD-18()/TNS-2 RD-18/TNS-2	Reproducer	Steel wire, 10rps. Optically reproduces signals that were magnetically recorded on MX-544()/TNS-2.	General Electric	ESL-2955	SCL-811-A	P/O AN/TNS-2()
RD-19()/TNS-2 RD-19/TNS-2	Recorder	Uses steel wire, 3rpm and 9rpm. No amplifier.	General Electric	ESL-2956	SCL-811-A	P/O AN/TNS-2()
RD-20()/ARQ-12 RD-20/ARQ-12	Recorder-Reproducer Unit	Cancelled 21 February 1946.	Presto Recording	USN	RE-16R42 (NAVY)	
RD-21()/AM	Radiosonde Recorder	Tape recorder, 30 and 60 inches per minute.		ESL-3072		U/W AN/AMT-3()
RD-23()/TN RD-23/TN	Recorder	Wax cylinders, 96 to 100rpm. Double mandrel, automatic change-over. Replaceable stylus. Portable.	Dictaphone Corp K-142	SCL-8216		
RD-24()/TN RD-24/TN	Reproducer	Wax cylinders. Portable.	Dictaphone Corp Cameo	SPSOR-5		
RD-25()/APA-54	Recorder	Records: mileage to two ground beacons, compass heading, time, roll and pitch of aerial camera, altitude and picture number.		ARL-45-R725		P/O AN/APA-54() U/W AN/APN-3()
RD-26()/PNH	Recorder	0.004 inch steel wire, 35ips. Has amplifier. Portable.	General Electric 21 or 51	ESL-3171	SigC SCL-2021	
RD-27()/SRQ-2 RD-27/SRQ-2	Recorder-Reproducer Unit	0.05 inch steel tape, 7.7 feet per second. Operating time, one minute.	Presto Recording	USN		P/O AN/SRQ-2() U/W C-316()/SRQ-2
RD-28()/G RD-28/G	Reproducer	Phonograph.	Wilcox Gay Corp "Recordia"	SPSOR-5		
RD-29()/APG-T1 RD-29/APG-T1	Recorder Unit	Cancelled 2 August 1948.		ARL-48-C400		P/O AN/APG-T1
RD-30()/U RD-30/U	Recorder	0.004 inch carbon steel wire, 200rpm ±6%. Has amplifier. Portable.	General Electric 20N1	SPSTM-1		U/W RD-31/U
RD-31()/U RD-31/U	Recorder-Reproducer	0.0004 inch carbon steel wire, 200 or 400rpm. Has amplifier. Portable.	General Electric 50A	SPSTM-1		P/O RD-30/U
RD-31A/U	Recorder-Reproducer	Same description as RD-31/U.	General Electric 51	SPSTM-1		U/W RD-30A/U
RD-31B/U	Recorder-Reproducer	Same description as RD-31/U. Except uses stainless steel recording wire	Peirce Wire Recorder 55B	SCPD		

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RD-31C/U	Recorder-Reproducer	Same description as RD-31/U. Except uses 0.0036 inch wire for recording. Neon indicator.	Telectro Ind Inc	SCL 10849		
RD-31D/U	Recorder-Reproducer	Frequency response: 400 to 4000cps; recording time: 60 minutes max; records on wire at 2 feet per second; output: 2.5w. Used to record and reproduce from a microphone, telephone line or program line.	Telectro Ind Inc	USA SCLM-7249	71-33477	
RD-32()/U RD-32/U	Reproducer	Phonograph.	Wilco Gay Corp "Recordio" CBS Columbia Inc P	SPSOR-5		
RD-33()/CRD-1	Angle Recorder	Automatically records elevation and azimuth angle of AN/AMT-4() several times a minute on tape.		ESL-3198		P/O AN/CRD-1()
RD-34()/CNQ RD-34/CNQ	Recorder-Reproducer	35mm clear photographic film, 65 feet per minute. Has 3w amplifier. Records and reproduces radio receptions and transmissions in control tower for 2 hours. Formerly RD-34/CRC.	Frederich Hart Co	WL-45-667		P/O RD-34()/CNQ/ AN/CNQ-1()
RD-35()/GMQ-1	Wind Recorder	Records wind speed and direction as function of time.		SPSGG-S2 (ESL)		U/W AN/GMQ-1()
RD-36()/U RD-36/U	Reproducer	16 inch plastic disc, 33.5 or 78rpm. Has 8" speaker and 7w amplifier. Also has dynamic microphone.	David Bogen Inc	SIGTM-1		
RD-37()/FN RD-37/FN	Recorder-Reproducer	16.5 inch plastic disc, 7ips recording speed. Has built in 7w amplifier.	Memovox AABVA	SIGTM-1		
RD-38()/FN RD-38/FN	Recorder-Reproducer	Standard dictaphone wax cylinder, 33rpm. Has built in 8w amplifier and desk type microphone.	Dictaphone Corp ADT or ACT	SIGTM-1		
RD-39()/TN RD-39/TN	Recorder-Reproducer	16.5 inch plastic disc, 7ips recording speed. Has built in 7w amplifier and separate microphone.	Memovox B-1	SIGTM-1		
RD-40()/TN RD-40/TN	Recorder-Reproducer	Same description as RD-39/TN except has headset but no microphone.	Memovox AP-100A	SIGTM-1		
RD-41()/U RD-41/U	Recorder	8.125 inch electrolytic paper. Records for purposes of analysis, signals or group of signals of definate cyclic or repetitive nature.	Radio Inventions Inc AX-3	(USA) SIGTM		
RD-42()/U	Recorder	Dual-turntable disc-type sound recorder.	Presto Recording 28-C	ASA		
RD-43()/URH-1 RD-43/URH-1	Radiation Pattern Recorder	Polar chart recording of moving pen type.	Hoffman Radio Corp (prod) Airborne Inst Lab (dev) 116.1	USN		P/O AN/URH-1() U/W AN-216()/URH-1 AN-217()/URH-1
RD-44()/U	Recorder-Reproducer	0.004 inch carbon steel wire, 8 or 30ips. Has 3w amplifier, and low impedance carbon microphone.		ESL-3543		U/W RD-45()/U
RD-45()/U	Recorder	0.004 inch med carbon steel wire, 8 or 30ips. Has 0.175w amplifier and headset.		ESL-3544		U/W AN/PTA-1 RD-44()/U
RD-47()/ASQ-8 RD-47/ASQ-8	Milliammeter Recorder	0 to 10cps pen on paper recording. Records magnetic field disturbance. Dual channel record of gamma rays.	Geophysical Services	USN	MIL-R-5409 MIL-D-6149	P/O AN/ASQ-8
RD-48/ASQ	Recorder	Radiac recorder, portable dc; marked in roentgens/day, has 0 to 10ma and 0 to 1ma movements.	Esterline-Angus Co AW	USN		P/O AN/ARR-29()
RD-48()/CPQ-7	Range Recorder	Photographic paper recording of virtual height of ionosphere layers versus reflected signal frequency.	Maryland Electronics	ESL-3564		P/O OA-81()/CPQ-7
RD-49()/U RD-49/U	Recorder Milliammeter	Portable meter range 0-1ma dc. 9 speeds: 0.75 inches per hour to 6 inches per minute.	Esterline-Angus Co AW	USN		
RD-49A/U	Recorder Milliammeter	Same description as RD-49/U.	Esterline-Angus Co AW	USN		
RD-50()/UK	Aircraft Data Recorder	Accepts direct current signals from AN/UKR-1() and AN/AKT-6(). Records this data graphically on photo sensitized paper or film by galvanometer/light movement.	Consol Engineer Co 5-115	ARL-47-387		P/O AN/AKT-6() AN/UKR-1()
RD-51()/U	General Purpose Recorder	Records four dc radar signal voltages of various intensities, to give a permanent record of the performance of circuits being tested.		AAF ARL-48-26		P/O TS-595()/U
RD-52()/UMQ-5 RD-52/UMQ-5	Wind Direction Velocity Recorder	Cancelled 18 December 1952. Use RD-108/UMQ-52().		USN		
RD-52()/UMQ-5A RD-52/UMQ-5A	Wind Direction Velocity Recorder	Records wind speed from 0 to 120 knots in 2 knot steps. Also wind direction 0 to 360° in 5° steps. All as functions of time.		USN		P/O AN/UMQ-5A
RD-53()/ARH	Bathythermo-Graph Recorder	Records temperature versus depth data from AN/SST-1(). Prints 6 inch chart.	Edo Corp	USN	XEL-28 (BuAer)	U/W AN/ARR-26() AN/ARR-31()
RD-54()/TP RD-54/TP	Azimuth-Elevation-Range Recorder	Records polar slant range data, polar azimuth data, and rectangular height data against time. Operating requirements 110vac 60c three phase 200w.	Electronic Assoc	SCL-9997	MIL-A-10447	U/W SCR-584(),784() AN/MPQ-10() AN/TPG-2()
RD-55()/APG-T1 RD-55/APG-T1	General Purpose Recorder	Error voltage as produced by the comparison of sight and target voltages, is applied to the respective azimuth and elevation elements of the recorder.	Stevens Arnold Co	ARL-48-275		P/O AN/APG-T1
RD-56()/TIP-1 RD-56/TIP-1	Sound Reproducer	Phono turntable with cabinet for table use. Includes equalizer for use with 300cps crossover records.	David Bogen Inc 500CG	USN	CS-702 (NAVY)	P/O AN/TIP-1
RD-56A/TIP-1	Sound Reproducer	Phono turntable with cabinet for table use. Includes equalizer for use with 300cps crossover records.	Seaboard Electric	USN	CS-1275 (NAVY)	P/O AN/TIP-1

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RD-57()/ALH	Frequency-Time Recorder	Works with radar set by printing on paper tape the time in hours and the RF frequency in megacycles (1000 to 10,750Mc) of intercepted signals. Obtains power by plugging into facilities normally used by Indicator ID-226/APR-9.	Polarad Electronics	AEL-49-258		P/O AN/APR-9
RD-57()/ALR	Frequency-Time Recorder	Works with radar set by printing on paper tape the time in hours and the RF frequency in megacycles (1000 to 10,750Mc) of intercepted signals. Obtains power by plugging into facilities normally used by Indicator ID-226/APR-9.	Polarad Electronics	AEL-49-R-25		P/O AN/APR-9
RD-58()/MRM-2 RD-58/MRM-2	Bearing Recorder	Azimuth bearings of aircraft within visual omni-directional range are recorded on polar coordinate chart on turntable. For calibration, pen records in response to MCW signal from test aircraft.		AEL-49-403		P/O AN/MRM-2
RD-59()/U RD-59/U	Milliammeter Recorder	Automatic record of 0 to 1ma range for a minimum of 65 days is produced on series 4300 chart. Motor operates on 110vac 60c single phase supply.	Esterline-Angus Co AW Espey Mfg Co 3.250 Stoddard Aircraft 90097-1	USN	NAVY CS-779-1189	P/O AN/URM-6
RD-60()/U RD-60/U	Code Recorder	High-speed undulating type radio telegraph ink-slip recording unit. Uses 3/8 inch standard tape and is rack mountable.	McElroy Mfg Co	SIG-22562	SC-71-3029	P/O EE-94-() EE-95-() EE-96-()
RD-61()/MSQ-1 RD-61/MSQ-1	Range Recorder	Plots aircraft range against time over 0 to 400,000 yard distance.	Reeves Inst	WL-45-1562		P/O OA-132/MSQ-1
RD-62()/MSQ-1 RD-62/MSQ-1	Azimuth Recorder	Plots aircraft azimuth against time.	Reeves Inst	WL-45-1563		P/O OA-132/MSQ-1
RD-63()/MSQ-1 RD-63/MSQ-1	Ground Speed Recorder	Plots aircraft ground speed against time, from ground speed computor data. Range is 0 to 28, in 100's of mph.	Reeves Inst	WL-45-1564		P/O OA-132/MSQ-1
RD-64()/MSQ-1 RD-64/MSQ-1	Height Recorder	Plots aircraft height against time, range is 0 to 250 in 1000's of feet.	Reeves Inst	WL-45-1565		P/O OA-132/MSQ-1
RD-65()/FIA-1 RD-65/FIA-1	Sound Reproducer	Turntable and two tone arms with cabinet but not including amplifier. For 78 and 33 1/2rpm recordings, accommodates single recordings only, has both dynamic and crystal pickups.	Webster Electric Co	SIGGG-S	Webster S-6453	P/O OA-23/FIA-1
RD-66()/SMD-1	Azimuth-Elevation Recorder	Consists of printing unit and synchro gear trains for indicating and recording true elevation and true bearing.	General Electric W-9167100G1	USN	CS-89 (NAVY)	P/O AN/SMD-1(XN-1)
RD-67()/SMD-1	Azimuth-Elevation Recorder	Consists of printing unit and synchro gear trains for indicating and recording true elevation and true bearing.	General Electric W-9167100G2	USN	CS-89 (NAVY)	P/O AN/SMD-1(XN-2)
RD-68()/SMD-1	Frequency-Time Recorder	Motor rotates helical drum, using teledeltos chart paper. A high voltage pulse applied to fixed knife edge separated from drum by the paper, will burn a mark on the paper.	General Electric	USN	CS-89 (NAVY)	P/O OA-131()/SMD-1
RD-69()/BQH	Range-Azimuth Recorder	Electrochemical recording; strip chart of sensitized paper. Records sonar bearing, range, and time simultaneously.	Sangamo Electric Co 862001	USN	940-4-74 BuShips	U/W Sonar Model WFA
RD-70()/U RD-70/U	Code Recorder	Records with inked line on paper tape 0 to 500 words per minute, and includes a tape puller. Used with radio-telegraph equipment.	Mechanitron Corp	USN		
RD-71()/UG RD-71/UG	Sound Reproducer	Records using photoelectric and electroconduction type of reproduction; 3/8 inch paper tape; amplifier with one watt output.	Mechanitron Corp SC-30	USN	CS-575 (NAVY)	
RD-72()/UD RD-72/UD	Recorder-Timer	Provides printed records of radio-assay results; records on printed paper tape.	Simplex Time Recorder SC-5A	USN		U/W AN/UDR-6,6A
RD-73()/PRM-3 RD-73/PRM-3	Telegraph Signal Recorder	Prints permanent reproduction of square wave pulsating dc signal voltage received through line.	Alden Products 9071RIB-8-801	USN		P/O AN/PRM-3
RD-74()/U RD-74/U	Recorder-Reproducer	Magnetic tape recorder-reproducer, dual track, dual speed, portable, 5w audio output.	Telectro Ind Inc TR-149 Sound Inc	SCL-10055	71-3434 (ARMY) 10068 (Sig)	
RD-74A/U	Recorder-Reproducer	Provides medium fidelity equipment for fixed station used by radio and wire organizations for general purpose recording. Plastic base magnetic recording tape is employed.	Telectro Ind Inc TR-149	SCLM-6001	MIL-R-10068	
RD-75()/UQR-T1 RD-75/UQR-T1	Sound Reproducer	Electromechanical reproducer using 16" cellulose disk. Without amplifier. Speeds are 33.3 and 78rpm. Variable reluctance head with permanent needle is used.	Melpar Inc D-555	USN		P/O AN/UQR-T1 OA-168/UQR-T1
RD-76()/UQR-T1 RD-76/UQR-T1	General Purpose Recorder	Records on 6" chart paper, contains facsimile scanning transmitter and two motor driven recorders.	Melpar Inc X-183	USN		P/O OA-168/UQR-T1 AN/UQR-T1
RD-77()/ADR-1	Radiac Recorder	Records output v with respect to time of AN/ADR-1(). Also determines and indicates area under voltage time curve. 2 cycle semi-log calibration chart.		USN	XEL-140 (BuAer)	U/W AN/ADR-1()
RD-78()/U RD-78/U	Sound Reproducer	Disc reproducer plays 10, 12 or 16" lateral recordings at either 33.3 or 78rpm.	David Bogen Inc	SCLC-7825	MIL-S-12205	
RD-79()/BSH-1 RD-79/BSH-1	Buoyancy Recorder	Records change in buoyancy in thousands of pounds of ballast, using paper chart. 54 to 160k pounds, from 28°F to 90°F, 0 to 800 feet.	Wallace & Tiernan LA-271	USN		P/O AN/BSH-1
RD-80()/BSH-2 RD-80/BSH-2	Bathythermo-graph Recorder	Records sound velocity in sea water in feet per second, against depth. 4600 to 5100 feet/sec from 28°F to 90°F, 0 to 800 feet.	Wallace & Tiernan LA-281	USN		P/O AN/BSH-2
RD-81()/SQ RD-81/SQ	Range Recorder	Determines and records sound range, strip chart device having adjustable speed stylus.	Sangamo Electric Co 883251	USN		P/O OKA-1 (NAVY)

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
RD-82()/TPQ-6	Range Recorder	Recorder has helix which rotates against the sensitive paper and records impulses from radar sweep onto the paper.	Bendix Corp	ESL-3886	SCL-2142 (SigC)	P/O AN/TPQ-6()
RD-83()/ANQ-4	Recorder-Reproducer	Records audio signals of wide range for one hour and reproduces signals with low distortion and high accuracy. 100 to 15,000cps.	Air King	USN	XEL-58 (BuAer)	P/O AN/ANQ-4()
RD-84()/MSQ-2 RD-84/MSQ-2	Range Recorder	Plots aircraft range against time. 0 to 5 in thousands of yards.	Reeves Inst	WL-50-1224		P/O OA-215/MSQ-2
RD-85()/MSQ-2 RD-85/MSQ-2	Aircraft Data Recorder	Plots aircraft height against time. 0 to 25.00 thousand feet.	Reeves Inst	WL-50-1225		P/O OA-215/MSQ-2
RD-86()/UNP-1	Reproducer	Reproduces microgroove or laterally recorded discs or transcriptions, 7 to 16" diameters. 33.3, 45, 78rpm.		SCL-8734	71-2431 (ARMY)	P/O AN/UNP-1()
RD-87()/U RD-87/U	Sound Recorder-Reproducer	Magnetic tape recorder and reproducer with self-contained five watt sound system, operates at two tape speeds, 7.5 or 3.75ips.	Sound Inc MB9T2	USN	CS-S-410	
RD-87A/U	Sound Recorder-Reproducer	Magnetic tape recorder and reproducer with self-contained five watt sound system, operates at two tape speeds, 7.5 or 3.75ips.	Sound Inc 963-5	WCLM-7625		
RD-88()/TMQ-5 RD-88/TMQ-5	Frequency Time Recorder	Records frequency versus time using a ball point pen on a moving paper roll.	Leeds & Northrup SK-5320-500	SCL-4401 (USA)	MIL-R-10882	P/O AN/TMQ-5()
RD-88A/TMQ-5	Frequency Time Recorder	Records frequency versus time using a ball point pen on a moving paper roll.	Leeds & Northrup SK-5320-500-1	SCLM-7173	MIL-R-10882 (SigC)	P/O AN/TMQ-5A
RD-88B/TMQ-5	Frequency Time Recorder	Records frequency versus time using a ball point pen on a moving paper roll.	Bendix Aviation SC-D-125501	SCLM-7590	MIL-R-10882A	P/O AN/TMQ-5()
RD-88C/TMQ-5	Frequency Time Recorder	Records frequency versus time using a ball point pen on a moving paper roll. Range: 0000 to 2400 hours and 10 to 220cps.	Landers, Frary & Clark A63-2002-500	SESA-59-1412		P/O AN/TMQ-5C
RD-89()/BQS-2 RD-89/BQS-2	Sound Recorder	Records graphically sound impulses such as target echoes appearing in listening channel of echo range equipment and controls keying of transmitter in equipment. Range: 600 to 4000 yards.	Bendix Aviation 550400	USN	CS-1191 BuShips	P/O AN/BQS-2
RD-90()/G	Azimuth Recorder	Automatic bearing and time recorder used with radio direction finders. Records bearings together with the time they are received.	Federal Telecommun Labs	WL-50-1817		
RD-91()/AKH-1 RD-91/AKH-1	Telemetric Data Recorder	Accepts dc signals from AN/AKT-6 or AN/UKR-1 and records it on photo sensitized paper or film.	Melpar Inc	AEL-50-319	AF Exh TSELT-128	P/O AN/AKH-1
RD-92()/UX RD-92/UX	Facsimile Recorder	For receiving; wire and radio reception; electric stylus recording; dots of varying intensity.	Times Facsimile Corp RG	USN	SHIPS-F-262	
RD-92A/UX	Facsimile Recorder	For receiving; wire and radio reception; electric stylus recording; dots of varying intensity. Design improvements over older unit.	Times Facsimile Corp RG	USN	SHIPS-F-262	
RD-93()/FRT-10 RD-93/FRT-10	Frequency Time Recorder	Records frequency versus time on teledeltos recording paper. Power supply internal, operates from standard 110v ac.	Westinghouse Electric 55-A-3086	USN	CS-1178 (BuShips)	P/O AN/FRT-10
RD-94()/AMR-1	Radiosonde Recorder	Measures and records pressure, temperature and humidity radiosonde signals. Uses a graduated strip chart.		SCL-9902		U/W R-419()/AMR-1 P/O AN/AMR-1()
RD-95()/SQ RD-95/SQ	Range Recorder	Graphically records range in yards and also records time to release depth charge. For general purpose use.		USN		
RD-96()/AKP	Telemetric Data Reproducer	Mechanical reproduction, perforated tape, output binary coded pulse, tape changed manually, reproducing speed approximately fifty feet per minute.		AEL-50-722		P/O AN/AKP-1()
RD-97()/ANQ-4	Recorder-Reproducer	Cancelled 3 April 1951. Reassigned. Recorder-Reproducer RD-83()/ANQ-4.		USN		
RD-98()/TMQ-8	Humidity-Temperature Recorder	Records, in digital and graphic form, the dewpoint as detected by remotely located temperature and humidity sensory elements. Ranges: 8 to 100% humidity 130°F to -80°F.	Friez	SCL-9986	(Sig) MIL-H-10528	P/O AN/TMQ-8()
RD-99()/U	Sound Reproducer	Phonograph turntable, 16 inch diameter on floor console with wheels. Shielded cable for connection to amplifier, 3 speed.	REK-O-CUT G-743	SCL-10314		
RD-106()/ANH-2 RD-106/ANH-2	Sound Recorder	An airborne recorder containing drive mechanism and electronic circuits for operating a magazine. Remotely controlled by a control panel. A governor controlled motor is used to drive the take-up reel of the magazine.	Peirce Wire Recorder	AEL-51-528		P/O AN/ANH-2
RD-107()/GMQ-14 RD-107/GMQ-14	Sound Recorder-Reproducer	Recorder-reproducer unit which provides for playing back recordings having been made on a separate airborne unit. Has a built-in loudspeaker for reproduction. Range: 200 to 5000cps.		AEL-51-532		P/O AN/GNQ-14
RD-109()/USQ-4	Video Recorder-Reproducer	Records and reproduces guided missile signals through density modulation of photographic film by means of brightness modulation of a CRT.	Airborne Inst Lab 176-01,02,03,04	USN		P/O AN/USQ-4()
RD-110()/U	Tape Code Recorder	Records on paper tape; inked line type, 0 to 500 words per minute.	Whiteford Lab F-1600	USN	SHIPS-R-134	
RD-110A/U	Tape Code Recorder	Records on paper tape; inked line type, 0 to 500 words per minute. Automatic feed tape added.	Whiteford Lab F-1600	USN	MIL-R-15561 (SHIPS)	
RD-111()/FRN	Time Recorder	Records the total time of operation of the Western Electric Co. #D-175 730. Frequency standard, and contains the circuits of the temperature control system.	Sylvania Electric Co H8-4012	WL-51-2033	ENG-1358 (USAF)	P/O OA-366()/FRN-13, OA-368()/FRN-14, OA-372()/URN-2

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
RD-112()/U RD-112/U	Tape Code Recorder	Records on paper tape, inked line type, 25 to 350 words per minute, 8" roll of tape.	McElroy Mfg Co NR-100	USN	MIL-R-15561 (SHIPS)	
RD-112A/U	Tape Code Recorder	Records on paper tape, inked line type, 25 to 350 words per minute.	McElroy Mfg Co L-1099	USN	MIL-R-15561 (SHIPS)	
RD-113()/SQA-4 RD-113/SQA-4	Range Recorder	Determines and records sound range; strip chart device having a stylus speed with water temperature. Range: 3750 yards, -35 to +70 knots.	Sangamo Electric Co 884201	USN	MIL-S-15535	P/O AN/SQA-4
RD-114()/SQA-4 RD-114/SQA-4	Depth Recorder	Records graphically audio output from target depth determining equipment on strip of chart paper.	Sangamo Electric Co 884001	USN	MIL-S-15535	P/O AN/SQA-4
RD-115()/UN RD-115/UN	Sound Recorder-Reproducer	Records on 3" wide paper tape coated with iron oxide. Tape moves at 9.26 inches per minute, providing 24 hours of continuous recording time. Two watt amplifier internal.	Soundscriber Corp 9000A	USN		
RD-115A/UN	Sound Recorder-Reproducer	Records on 3" wide paper tape coated with iron oxide. Tape moves at 9.26 inches per minute, 24 hours of continuous recording time. Two watt amplifier internal.	Soundscriber Corp 9000A	USN		
RD-115B/UN	Sound Recorder-Reproducer	Records on 3" wide paper tape coated with iron oxide. Tape moves at 9.26 inches per minute, providing 24 hours of continuous recording time. Two watt amplifier internal.	Standard Bus Mach	USA WL-53-2152		
RD-115C/UN	Sound Recorder-Reproducer	Magnetic tape recorder-reproducer, records on 3" wide paper tape coated with iron oxide. Tape moves at 9.26 inches per minute, providing 24 hours of continuous recording time. Two watt amplifier internal.	Amer Measuring Inst 25000	USN	MIL-R-17054	
RD-117()/U RD-117/U	Sound Reproducer	Provides record programs for hospital program distributor system. Three speed turntable mounted on steel cabinet with wheels. Maximum size disc: 16" diameter.	Stromberg Carlson Co	USA SCLC-5011		U/W OA-403()/FI
RD-117A/U	Sound Reproducer	Provides record programs for hospital program distributor system. Three speed turntable mounted on steel cabinet with wheels.	Stromberg Carlson Co 291532	SCLM 7343		
RD-117B/U	Sound Reproducer	Provides record programs for hospital program distributor system. Three speed turntable mounted on steel cabinet with wheels.	Stromberg Carlson Co 100926	SESA-57-2172		
RD-119()/UN RD-119/UN	Sound Recorder-Reproducer	Uses 3" wide paper tape coated with iron oxide. Tape provides 24 hour continuous recording time. Two watt internal amplifier provided, tape speed 4.63 inches per minute.	Soundscriber Corp 9400A	USN		
RD-119A/UN	Sound Recorder-Reproducer	Uses 3" wide paper tape coated with iron oxide. Tape provides 24 hour continuous recording time. Two watt internal amplifier provided, tape speed 4.63 inches per minute.	Soundscriber Corp 9400A	USN		
RD-120()/U	Sound Reproducer	Plays standard or microgroove lateral recordings up to 16" diameter. 33.3 or 78rpm.		USA SCLC-5176		P/O PH-408-()
RD-121()/SQ RD-121/SQ	Range Recorder	Uses electrochemical sensitive strip paper and records range against time. Graphically records range in yards of small underwater objects.		USN		
RD-122/GXM	Frequency-Time Recorder	Frequency-time recorder, using paper tape.	Hogan Labs RX-35	USN		P/O AN/GXH-1
RD-123()/SMD-1 RD-123/SMD-1	Frequency-Time Recorder	Makes printed record of frequencies indicated by frequency meter. 0 to 550cps frequency range.	Bendix Corp 517741-A	USN		P/O AN/SMD-1()
RD-124()/ASQ-8	Magnetic Distortion Recorder	Produces inkless, graphic record, on heat sensitive paper, of magnetic phenomena detected by a single AN/ASQ-8 equipment within a frequency range of 0 to 2cps.	Texas Instruments Inc	USN		
RD-126()/TFH-3 RD-126/TFH-3	Sound Recorder	Self-contained recording system used with newsreel type 35mm motion picture camera to record sound on 100mil variable density sound track film along with picture. 30 to 8000cps. ±2db.	Westrex Co 235D	USA SCLM-6238		P/O AN/TFH-3() U/W PH-270-A PH-704()/TFH-3
RD-127()/MPQ-21	Azimuth-Elevation-Range Recorder	Superseded by recorder, Azimuth-Elevation-Range RO-8/MPQ-21&(). Cancelled 6 July 1953.		USA SCLE-4738		P/O AN/MPQ-21()
RD-128()/UN RD-128/UN	Sound Recorder-Reproducer	0.25 inch oxide-coated tape; 7.5 and 3.75ips. Contains five watt amplifier with speaker, automatic shutoff, dual track head, and portable cabinet.	Daystrom Electric 785	USA USN	MIL-R-918 (SHIPS)	
RD-129()/UX	Facsimile Recorder-Reproducer	Records, stores, reproduces, and erases facsimile signals 100 to 6000cps. ±2db on 16mm tape.	Eastman Kodak Inc	USN	SHIPS R-1360	
RD-130()/TNH-1 RD-130/TNH-1	Sound Recorder-Reproducer	Single speed, 7.5ips magnetic tape recorder using 0.25 inch oxide-coated tape, containing two watt amplifier with speaker and automatic shutoff.	Webster Electric Co N111A	USN		P/O AN/TNH-1
RD-131/ASQ-8A	Milliammeter Recorder	Cancelled 17 June 1953.		USN		
RD-132()/TNH-2 RD-132/TNH-2	Recorder-Reproducer Subassembly	Tape transport system to drive magnetic recording tape.	Ampex Electric 6037	USA SCLC-8449	MIL-S-10832 (SigC)	P/O AN/TNH-2()
RD-132A/TNH-2	Recorder-Reproducer Subassembly	Same description as RD-132/TNH-2.	Ampex Electric	SIMSA-61-1706		P/O AN/TNH-2

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RD-133()/UN RD-133/UN	Sound Recorder-Reproducer	Single speed, 3.75ips magnetic tape recorder using 0.25 inch oxide-coated tape. Contains 2.5w amplifier; portable cabinet.	Webster Electric Co 242-19898	USN	MIL-R-17734	
RD-133A/UN	Sound Recorder-Reproducer	Cancelled 19 July 1956.	Ampro Corp D10597	USN		
RD-134/UNH-2	Sound Recorder-Reproducer	Two speed magnetic tape recorder using 0.25" oxide-coated tape, with portable case. 50 to 15,000cps at 15ips.	Magnecord Inc PT63-AH	USN	MIL-R-15995A (SHIPS)	
RD-135/UNH-3	Sound Recorder-Reproducer	Two speed magnetic tape recorder using 0.25" oxide-coated tape, dual track recording, and portable case, 50 to 8000cps at 7.5ips.	Webster Electric Co N205	USN		P/O AN/UNH-3
RD-136()/MKR-7 RD-136/MKR-7	Telemetric Data Recorder-Reproducer	Cancelled 14 January 1957.	Gilfillan Bros 24930	ORDDW-350-56	JPL 3409	P/O AN/MKR-7()
RD-137()/MSM-4 RD-137/MSM-4	Sound Recorder-Reproducer	Cancelled 14 January 1957.	Gilfillan Bros 24930	ORDDW-363-56		P/O AN/MSM-4
RD-139()/AMQ-8 RD-139/AMQ-8	Aerograph Set Recorder	Records time and three channels of aerological information in digits with superimposed graph for each channel.		USN		
RD-140()/TNS RD-140/TNS	Sound Recorder-Reproducer	Provides facilities for recording and reproducing sound from muzzle blasts or machine guns and other small arms. 60 to 300cps. ±2db, 10.6ips.	Presto Recording P-16000	(USA) SCLE-9333	MIL-S-12244	P/O AN/TNS-3() U/W AN/PRC-10() SCR-300-()
RD-141/UNQ-7	Sound Recorder-Reproducer	Two speed, two channel magnetic tape recorder using 0.25" oxide-coated tape, no amplifiers; outputs are from two heads. Portable case and automatic shutoff provided. 50 to 10,000cps at 7.5ips.		USN		
RD-142()/UN RD-142/UN	Sound Recorder-Reproducer	Dual channel, uses oxide-coated tape 2" wide. Provides facilities for recording and playback of audio signals from one or both channels simultaneously. 400 to 3800cps ±3db.	Olympic Radio & TV	WL-56-R-1138	EXH: RADC-2381	U/W General Use P/O MX-1724/UN
RD-142A/UN	Sound Recorder-Reproducer	Dual channel, uses oxide-coated tape 2" wide. Provides facilities for recording and playback of audio signals from one or both channels simultaneously. Interchangeable with RD-142/UN & ().	Warwick Mfg Corp	WL-59-R-1827	MIL-R-26829 (USAF)	
RD-143()/TNH-3 RD-143/TNH-3	Sound Recorder-Reproducer	150 to 4000cps. 8.5 inch plastic disc, 31 feet per minute speed. 2.5w output amplifier.	Gray Mfg Co S-31008	USA SCLC-10203		P/O AN/TNH-3()
RD-144/UNQ-6	Sound Recorder-Reproducer	Two speed magnetic tape recorder using 0.25" oxide-coated tape, not portable. 50 to 16,000cps. ± 2db.	Ampex Corp EP-256	USN	SHIPS-R-1074	P/O AN/UNQ-6
RD-146()/TNH-2A RD-146/TNH-2A	Recorder-Reproducer Subassembly	Mechanical assembly which is used as a tape transport mechanism to drive a dual track tape, at dual speeds, past the heads of recording reproducing equipment.	Telectro Ind Inc TA-542	USA SCLC-10342	MIL-P-10832	P/O AN/TNH-2A U/W AM-1251()/TNH
RD-147/GMQ-14	Humidity & Rainfall Temperature Recorder	Records air temperature, 20° to 120°F; dew point temperature, 30° to 110°F; rainfall, 0 to infinity; on recording chart.	Instruments Corp	USN 392		P/O AN/GMQ-14
RD-148/SNH	Sound Recorder-Reproducer	Electro-mechanical, embossing using ethyl cellulose tape 35mm width, 60 foot coil with ends spliced together.		USN	CS-S-313.1	
RD-149()/TNH-2B RD-149/TNH-2B	Recorder-Reproducer Subassembly	Mechanical transport mechanism for driving tape past dual track heads at either of two speeds. Includes provisions for remote operation.	Telectro Ind Inc TA-542A	SCLMA-2-7712		P/O AN/TNH-2B
RD-150/SNH	Sound Recorder-Reproducer	Single speed, 3.75ips magnetic tape recorder using 0.25 inch oxide-coated tape. Contains 5w amplifier with speaker; single track, portable case. Frequency range: 80 to 8000cps. ±3db.	Revere Camera Co T-700	USN		
RD-151/SNH	Sound Recorder-Reproducer	Magnetic tape recorder using steel tape 0.125" wide. Three watt amplifier, portable case. 300 to 4500cps.	Frederick Hart Co 58-31	USN		
RD-152/SNH	Recorder-Reproducer Assembly	Sixteen channel selector panel, rack mounted. Equipped with monitoring panels.	Frederick Hart Co 58-36	USN		
RD-153/SNH	Recorder-Reproducer Assembly	Sixteen channel selector panel, rack mounted. Equipped with monitoring panels.	Frederick Hart Co 58-60	USN		
RD-154()/TRD-8	Direction Finder Data Recorder-Reproducer	Facilities provided for recording and storage of direction finding azimuth bearing and reference data for future reference and reproduction. 80 to 100cps ±3db.		USAF WL-55-1529		U/W AN/TRD-8
RD-160()/GPA-34 RD-160/GPA-34	Magnetic Data Storage Drum	Provides the necessary permanent and temporary data storage for the system on a magnetic drum, and provides access to this storage by means of read-write heads.	General Electric PL7030228P1	WL-55-R-2938	RADC-2339	P/O CV-404/GPA-34
RD-162()/ANH-5	Sound Recorder-Reproducer	Airborne magnetic voice recorder-reproducer with remote control. Magazine-loaded tape, four hour maximum continuous recording time. 200 to 5000cps. ±3db.	Soundscriber Corp	AEL-55-959	WCLN-1058B	P/O AN/ANH-5()
RD-163()/TL	Signal Data Recorder-Reproducer	Wide band magnetic recorder incorporating two video, one reference and one spare track for FM recording, if desired. 20kc to 2Mc ±3db.	Bing Crosby	SCLE-9752		

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RD-164()/FST-2 RD-164/FST-2	Magnetic Drum Unit	Facilities are provided for constant speed control in conjunction with external circuits. The number of simultaneous recording tracks depends on the number of heads in use. Up to 24 heads.	Burroughs-Detroit DRA 38374	CRC-56-38		P/O AN/FST-2 U/W AN/FPS-3,7 MARK X IFF
RD-165/U	Sound Recorder-Reproducer	Single speed magnetic tape recorder using 0.25" wide oxide-coated tape. 2w amplifier internal. 100 to 5000cps.	Brush Dev Co BK-401	USN		
RD-166/U	Sound Recorder-Reproducer	Two channel input magnetic recorder using 0.25" oxide-coated tape; portable case, 1w amplifier, and speaker. Speed: 7.5ips; 100 to 5000cps.	Brush Dev Co BK-414	USN		
RD-167/U	Sound Recorder-Reproducer	30ips magnetic recorder using steel tape, 0.125" wide; contains 0.5 watt amplifier. One minute max continuous recording time. 300 to 4500cps.	White Tuning Corp	USN		
RD-168()/FSQ RD-168/FSQ	Core Memory Unit	Stores information to be utilized by the central computer in performing computer function.		CRC-56-175		P/O AN/FSQ-7,8
RD-169()/GRM-9	Recorder-Reproducer	Used basically as magnetic tape recorder with control for search mode and contains room for tape storage. Seven channels, uses one inch wide tape.	General Electric PL7033688G1	WDD-56-92		P/O AN/GRM-9()
RD-170()/GRM-9	Recorder Reproducer	Seven channel magnetic tape recorder using 1" wide tape. Includes tape degausser.	General Electric PL7033688G1	WDD-56-95		P/O AN/GRM-9()
RD-173/UN	Sound Recorder-Reproducer	7.5 and 3.75ips magnetic recorder using 0.25" wide oxide tape. One hour max recording time, portable case, 2.5w amplifier. 100 to 7500cps.	Webster Electric Co	USN		
RD-173A/UN	Sound Recorder-Reproducer	Same description as RD-173/UN.	Webster Electric Co	N-61-X-97	MIL-R-17734B	
RD-173B/UN	Sound Recorder-Reproducer	Same description as RD-173/UN.	Webcor Inc	N-62-m-2640	MIL-R-22717 (SHIPS)	
RD-174()/FSG-1 RD-174/FSG-1	Signal Data Recorder-Reproducer	Supplies pre-recorded pulse code modulated (PCM) signals to the AN/FSG-1 system for test purposes. Magnetic recorder.	G L Martin 423-1911000	SESA-13603		P/O OA-1418/FSG-1
RD-175()/TNH-5 RD-175/TNH-5	Sound Recorder-Reproducer Subassembly	Functions as tape transport mechanism with necessary record, erase and playback heads for the recording and playback of sonic sounds when used with other major components of a complete system.		SCLH-11535	MIL-R-14251	P/O AN/TNH-5()
RD-175A/TNH-5	Sound Recorder-Reproducer Subassembly	Functions as tape transport mechanism with necessary record, erase and playback heads for the recording and playback of sonic sounds when used with other major components of a complete system, interchangeable with RD-175/TNH-5.		SESA-59-1721	MIL-R-14251A (SigC)	P/O AN/TNH-5
RD-176()/FSQ RD-176/FSQ	Main Magnetic Drum Unit	Provides buffer storage of tactical data and auxiliary memory storage of information.	IBM Corp 3046420	CRC-56-642		P/O AN/FSQ-8
RD-180/ULH	Signal Data Recorder	Self powered miniature data recorder for counter-measures use. Wire magnetic recorder, FM pulse transmission recorded.	L A McNabb	SCEL-57-1438	SCL-5226	U/W AN/PLQ-1()
RD-181()/U RD-181/U	Sound Recorder-Reproducer	Single speed magnetic recorder, 1.875ips tape speed, portable case, 3 watt amplifier included. 200 to 4000cps ±3db.		WL-57-1993		
RD-182()/FPR-2 RD-182/FPR-2	Sound Recorder-Reproducer	Provides a continuous three minute recording of receiver signals on tape for delayed analysis of receiver performance after receipt of target signal. 40 to 600cps ± 2db.	Ampex Corp	WL-57-1944		P/O OA-1694/FPR-2
RD-184()/GJQ RD-184/GJQ	Signal Data Recorder	Produces a dc output which can drive a Sanborn Oscillographic Recorder. This output voltage is proportional to an ac voltage input derived from a servo system.	A C Spark Plug 8570030	WDD-57-654	XES-2219	P/O AN/GJQ-5,7
RD-185()/U	Radio Frequency Radiation Pattern Recorder	Automatically records signal strength as a function of antenna position.	Scientific-Atlanta 121-A-2	SESA-57-1236		U/W AN/MPQ-4
RD-187()/FSQ RD-187/FSQ	Core Memory Group	Provides random access high speed memory for central computor portion of AN/FSQ-8 equipment. Provides transfer path between MBR and core array, and address section of core array.	IBM Corp 3046467	CRC-57-248		P/O AN/FSQ-8
RD-188()/FSQ RD-188/FSQ	Core Memory Group	Provides random access high speed memory for central computer portion of AN/FSQ-7 equipment. Provides transfer path between memory and core array, and address selection for core array.	IBM Corp 3046692	CRC-57-249		P/O AN/FSQ-7
RD-189()/FSQ RD-189/FSQ	Computer Marginal Checking and Distribution Unit	Distributes power to other units. Protects, indicates and distributes power through circuit breaker and contactors to the central computer system.	IBM Corp 3046685	CRC-57-250		P/O AN/FSQ-7
RD-190()/FSQ RD-190/FSQ	Computer Marginal Checking and Distribution Unit	Distributes power to other units. Protects, indicates and distributes power through circuit breaker and contactors to the central computer system.	IBM Corp 3046444	CRC-57-251		P/O AN/FSQ-8
RD-191()/FSQ RD-191/FSQ	Auxiliary Magnetic Drum Unit	Provides auxiliary memory for central computer system. Serves as medium access speed storage device for digital information. Similar to RD-159/FSQ.	IBM Corp 3046658	CRC-57-252		P/O AN/FSQ-7 AN/FSQ-8
RD-192()/FSQ RD-192/FSQ	Main Magnetic Drum Control Unit	Controls operation of main magnetic drum unit (RD-158/FSQ) to and from the computer output and input systems.	IBM Corp 3046659	CRC-57-253		P/O AN/FSQ-7

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RD-193()/FSQ RD-193/FSQ	Main Magnetic Drum Control Unit	Controls operation of main Main Magnetic Drum Unit RD-176/FSQ , to and from the computer output and input systems.	IBM Corp 3046660	CRC-57-254		P/O AN/FSQ-8
RD-194()/FSQ RD-194/FSQ	Main Magnetic Drum Unit	Provides buffer storage of tactical data, auxiliary memory storage of information, transmission to central computer system, display system, output system and to drum system of the other computer.	IBM Corp 3046661	CRC-57-255		P/O AN/FSQ-7
RD-195()/FSQ RD-195/FSQ	Main Magnetic Drum Unit	Provides buffer storage of tactical data, auxiliary memory storage of information, transmission to central computer system, display system, output system and to drum system of the other computer.	IBM Corp 3046662	CRC-57-256		P/O AN/FSQ-8
RD-196()/FSQ RD-196/FSQ	Manual Data Input Unit	Routes information between sections of equipment. Transforms various information into pulses and stores input information unit until requested by computer.	IBM Corp 3046663	CRC-57-257		P/O AN/FSQ-7
RD-197()/FSQ RD-197/FSQ	Manual Data Input Unit	Routes information between sections of equipment. Transforms various information into pulses and stores input information unit until requested by computer.	IBM Corp 3043480	CRC-57-258		P/O AN/FSQ-8
RD-198()/FSQ RD-198/FSQ	Data Storage Warning Light Manual Input Display Marginal Checking & Dist. Unit	Distributes power to other units. Protects, indicates and distributes power through circuit breakers and contactors to units of display system and manual data input group.	IBM Corp 3046392	CRC-57-259		P/O AN/FSQ-7
RD-199()/FSQ RD-199/FSQ	Data Storage Warning Light Manual Input Display Marginal Checking & Dist. Unit	Distributes power to other units. Protects, indicates and distributes power through circuit breakers and contactors to units of display system and manual data input group.	IBM Corp 3046395	CRC-57-260		P/O AN/FSQ-8
RD-200()/FSQ RD-200/FSQ	Main Drum Marginal Checking and Distribution Unit	Distributes power to other units. Protects and indicates power through circuit breakers and contactors to main drum units.	IBM Corp 3046393	CRC-57-261		P/O AN/FSQ-7,8
RD-201()/FSQ RD-201/FSQ	Main Drum Marginal Checking and Distribution Unit	Distributes power to other units. Protects and indicates power through circuit breakers and contactors to main drum units.	IBM Corp 3046683	CRC-57-262		P/O AN/FSQ-7,8
RD-202()/FSQ RD-202/FSQ	Auxiliary Drum Marginal Checking and Distribution Unit	Distributes power to other units. Protects, indicates, and distributes power through circuit breakers and contactors to the Auxiliary Magnetic Drum Unit RD-159/FSQ .	IBM Corp 3046394	CRC-57-263		P/O AN/FSQ-7,8
RD-203()/FSQ RD-203/FSQ	Display Console Circuit Breaker Unit	Distributes power to other units. Supplies service voltages and power system status signals to display consoles in simplex maintenance area.	IBM Corp 3043245	CRC-57-264		P/O AN/FSQ-7
RD-204()/FSQ RD-204/FSQ	Display Console Circuit Breaker Unit	Distributes power to other units. Supplies service voltages and power system status signals to display consoles in simplex maintenance area.	IBM Corp 3046561	CRC-57-265		P/O AN/FSQ-8
RD-205()/FSQ RD-205/FSQ	Simplex Input Power Distribution Unit	Distributes power to other units. Supplies service voltages and M.C. voltages to units of input system.	IBM Corp 3046681	CRC-57-266		P/O AN/FSQ-7,8
RD-206()/FSQ RD-206/FSQ	Simplex Input Circuit Breaker Unit	Distributes power to other units. Supplies service voltages, power system status signals, and marginal check voltages to other units of marginal checking and distribution group.	IBM Corp 3046562	CRC-57-267		P/O AN/FSQ-7,8
RD-207()/FSQ RD-207/FSQ	Duplex Input Marginal Checking and Distribution Unit	Protects, indicates, and distributes power through circuit breakers and contactors to common equipment modules of input system.	IBM Corp 3046682	CRC-57-268		P/O AN/FSQ-7,8
RD-208()/CPN-18 RD-208/CPN-18	Feedback Storage Unit	Recirculating oscillatory storage loop consisting of cascaded IF amplifiers and a delay line which process and amplify video fed into closed loop.	Airborne Inst Lab 3506-40E35	CRC-58-42		P/O OA-671/CPN-18
RD-209/UQS-T3	Signal Data Recorder-Reproducer	Contains the motors and mechanism to run the recording tape and rewind, it contains the record and reproduce heads. (Actually Ampex FR1100 Tape Transport).	Minneapolis-Honeywell 4892-	USN-58-n-174		P/O AN/UQS-T3 U/W AN/UQS-1D
RD-210()/GSH RD-210/GSH	Signal Data Recorder-Reproducer	Capable of recording one second of data input with continuous and instantaneous playback for a minimum of four hours. 100cps to 8Mc.		WL-58-1097		
RD-211()/DJM-7 RD-211/DJM-7	Signal Data Recorder	A dc voltage signal is fed from the stabilized dc pre-amp into the recorder; a graph recording proportional to input signal is obtained from the recorder.	AC Spark Plug 7900258	WDD-57-702		P/O AN/DJM-7
RD-212()/FSQ-1 RD-212/FSQ-1	Core Memory Group	Provides transfer path between memory and core array, and address selection for core array. Similar to RD-168/FSQ.	IBM Corp 3046666	CRC-58-77		P/O AN/FSQ-7
RD-213/TNH-7	Sound Recorder Reproducer	Recorder-reproducer with twin-track recording head, 0.25 inch tape, 3.75 and 7.5ips speeds. 30 to 10,000cps ±2db.		USN-58-T-966		P/O AN/TNH-7
RD-214()/ARC-68 RD-214/ARX-68	Signal Data Recorder-Reproducer	Accepts digital data in teletype form. Stores up to 600 words at a maximum rate of 60 words per minute.	Hughes Aircraft Co	AEL-58-386	EXH: WCLN-1342	P/O AN/ARC-68(V)
RD-215()/GSM-20 RD-215/GSM-20	Signal Data Recorder-Reproducer	Contains high speed tape punch to record data in response to manual operation of a keyboard, and a reader to duplicate an existing tape.	Burroughs-Detroit 04-02	WDD-57-1093		P/O AN/GSM-20

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RD-216()/TPW -1 RD-216/TPW-1	Sound Recorder-Reproducer	2.5 inch tape moves at lips to provide audio record-playback, using 3w output. 50 to 8000cps; one channel.	Soundscriber Corp S-124	WL-58-1668		P/O AN.TSH-2
RD-217/UNH	Sound Recorder-Reproducer	2 inch tape moves at 2.5ips to provide 24 hours of continuous operation without reel changing, reproducing through two watt output. Down 8db or less at 200 and 3500cps from 1000cps reference point.	Soundscriber Corp S-124	N-58-m-2366		
RD-218()/U	Signal Data Recorder-Reproducer	Electromechanical-transport mechanism, including special electronic control circuitry for operation with a computor.	Remington Rand Univac	M-56-Y-2400	BuShips	U/W AN/GSQ-17
RD-219()/U RD-219/U	Sound Recorder-Reproducer	Magnetic, one channel recorder; records high density information at high speed and replays it at slow speed. 0.25 inch tape; 1.875 and 10ips; 100 to 10,000cps ±3db at 10ips. 100 to 3000cps ±2db at 1.875ips.		N-62-m-8		
RD-219A/U	Sound Recorder-Reproducer	A multi-speed, 4 channel (simultaneous) magnetic tape recorder. Code played back at reduced speed at approx frequency of 1000cps. (One way interchangeable with RD-219/U, except for maintenance parts).		N-62-m-7		
RD-220()/US	Direction Finder Data Recorder-Reproducer	Provides magnetic recording facilities for pulse output from video amplifiers. Output suitable for CRT display. 0 to 300rpm.	Stromberg-Carlson Co	SEL-58-1376		P/O AN/TRD-14() U/W AM-2184()/US
RD-221()/U	Sound Recorder-Reproducer	Two channel, 0.25 inch oxide-coated tape in continuous loop providing minimum three minutes of recording time. 50 to 10,000cps; one watt output, both channels.		USN-59-m-1697	SHIPS-R-3443	
RD-222()/GLH-3 RD-222/GLH-3	Signal Data Recorder-Reproducer	Contains tape transport and most of the electrical signal and servo circuitry required for recording and reproducing audio and video signals. 10cps to 4Mc and 300cps to 15kc.		AEL-59-563		P/O AN/GLH-3
RD-223()/TYK	Digital Data Magnetic Tape Transport	Reads and writes at a tape speed of 50ips, or a variable rate of one to 10ips. 300 to 3000 characters per second or 9000/1500 characters per second.	Ampex Corp FR-900	SEL-59-269		
RD-224()/TYK	Digital Data Magnetic Tape Transport	Reads and writes at a tape speed of 150ips, or a variable rate of one to 10ips. Character rates: 300 and 45,000 per second.	Ampex Corp FR-8000	SEL-59-270		P/O AN/TYK-1(V), AN/TYK-2(V), AN/TYK-8(V)
RD-225A/AQS-5	Range Recorder	Sonar information recorded on chart paper by moving electrical stylus. Keys xmitter for pulse output of 15 to 100msec.	Texas Instrument Inc 478806-1	NW-62-571		P/O AN/AQS-5A
RD-226/UNQ-7A	Sound Recorder-Reproducer	2 channels, voice and sonar. 0.25" tape. 50 to 4000cps ±3db at 3.75ips; 50 to 10,000cps ±2db at 7.5ips. Dual track. 7" reel. 1 watt amplifiers. 2% distortion. 42db signal to noise ratio.	Midwestern Inst	N-59-n-2879	MIL-I-983 Amend 2	P/O AN/UNQ-7A
RD-228()/GAS	Azimuth Recorder	Recording of azimuth data and time of event data collected by R-1009/GAS Infrared Receiver.		SEL-60-311		P/O AN/GAS-1(),4()
RD-229/USQ-20	Signal Data Recorder-Reproducer	Contains a recording device which receives signals from external equipment, records by punching coded hole patterns on paper tape. The reproducing device will reproduce the same electrical signals as the tape passes through a reading assembly.	Sperry Rand Corp 253172	N-60-X-1429		U/W AN/USQ-20
RD-229/USQ-20(V)	Signal Data Recorder-Reproducer	Contains a recording device which receives signals from external equipment, and records by punching hole patterns on paper tape. The reproducing device will reproduce the same signals as the tape passes through a reading assembly.	Sperry Rand Corp 254000	N-61-X-842		U/W AN/USQ-20(V)
RD-230/USQ-20	Signal Data Recorder-Reproducer	Receives and records data from computer on paper sheet or by punching coded hole patterns in paper tape.	Sperry Rand Corp 244888	N-60-X-1430		U/W AN/USQ-20
RD-230/USQ-20(V)	Signal Data Recorder-Reproducer	Receives data from the computer set. Records by printing the data on paper sheet or by punching coded hole pattern in paper tape.	Sperry Rand Corp 244888	N-61-X-843		U/W AN/USQ-20(V)
RD-231/USQ-20	Recorder-Reproducer	Contains a recording device which receives signals from external equipment, and records by punching hole patterns on paper tape.	Sperry Rand Corp 254000	N-60-X-1431		U/W AN/USQ-20
RD-231/USQ-20(V)	Signal Data Recorder-Reproducer	Contains a recording device which receives signals from external equipment and records by punching hole patterns on paper tape.	Remington Rand 4041299-00	N-61-X-834		U/W AN/USQ-30(V)
RD-233/TNH-8	Sound Recorder-Reproducer	100 to 5000cps, 44 feet per min recording speed. 3.5 inch plastic belt. Internal, rechargeable battery.	Dictaphone Corp 111000	SIMSA-60-1712		
RD-235()/TLR-28 RD-235/TLR-28	Graphic Analyzer	An automatic scanning heterodyne receiver which provides a visual and graphic display of all signals located within an adjustable bandwidth.		NSA-0011		P/O AN/TLR-28()
RD-235A/TLR-28	Graphic Analyzer	An automatic scanning heterodyne receiver which provides a visual and graphic display of all signals located within an adjustable bandwidth. One-way interchangeable with RD-235/TRL-28 except for maintenance parts.	National Security Agy	NSA-62-0012		
RD-236()/GSN-11 RD-236/GSN-11	Magnetic Drum Assembly	Provides facilities for recording and reproducing audio, generates synchronizing pulses, and provides control signals to the drum position indicator.	Cook Research Labs 597-6801	CRC-60-105	EXH: AFCRC-57-6	P/O OA-3144/GSN-11
RD-237/USQ-27(V)	Signal Data Recorder-Reproducer	Receives and records data from computer set on paper by punched hole or printed means.	Remington Rand Univac 4041000-00	N-60-X-2390		U/W AN/USQ-20(V)
RD-238()/FSA-21 RD-238/FSA-21	Signal Data Recorder-Reproducer	Provides facilities for recording and reproducing signal data.	Cook Electric Co 760-4100	WL-61-R-2438		P/O OA-3180/FSA-21

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RD-239( )/UG	Signal Data Recorder-Reproducer	A high speed 9 channel electrographic recorder with an optical reader. +50p-pv or more. 40μsec timing signal.	Sylvania Electric Co	N-61-Y-83	SHIPS-E-3365	
RD-240/G	Sound Recorder-Reproducer	A 7 to 14 channel magnetic tape recorder with a frequency response 0 to 20,000cps depending on speed. 7.5/15/30/60ips.	Ampex Corp FR600	N-61-m-114		
RD-241/G	Sound Recorder-Reproducer	A multi-speed recorder-reproducer with 7 to 14 channels designed for recording and playing back signals over a large frequency range using both direct and FM methods of recording. Speeds: 1.875 to 60ips, response: 100 to 100,000cps or 40 to 15,000cps depending on speed.	Ampex Corp FR107B	N-61-m-115		
RD-242( )/G RD-242/G	Sound Recorder-Reproducer	75 to 2300cps ±3db; one channel on magnetic rubber band. 12 second recording time; for use in fixed plant starcom stations.	Automatic Electric H-883660-1	SEA-60-321		
RD-243/USQ-20(V)	Signal Data Recorder-Reproducer	Provides large capacity, medium speed, auxiliary data storage for use in conjunction with the computer set. Input and output from this equipment is automatically controlled by the computer set.	Remington Rand 4052000-00	N-61-X-477		U/W AN/USQ-20(V)
RD-244( )/ARC-89(V) RD-244/ARC-89(V)	Sound Recorder-Reproducer	Five minute endless loop magnetic recording. One channel; 3.75ips recording speed; frequency response: 300 to 3000cps. 2w amplifier output; output Z: 8Ω. Records at pilot's discretion any one of three inputs and plays back recorded message upon command. Capable of automatic rewind.	Electronic Commun	AEL-61-746		U/W AN/ARC-89(V)
RD-245( )/SKQ-1 RD-245/SKQ-1	Telemetric Data Recorder-Reproducer	Records and reproduces telemetric data on tape. A 26v plug-in audio frequency amplifier permitting voice annotation on one channel of recorder.	Precision Instruments	N-61-W-2480		P/O OA-3717/SKQ-1
RD-246/UNQ-7B	Sound Recorder-Reproducer	50 to 20,000cps, 3.75/7.5/15ips. 2 channels. 1w amplifier. Similar to RD-247/UNQ-7C.	Ampex Corp 102701-01	N-61-m-2592	MIL-R-21091D	P/O AN/UNQ-7B
RD-247/UNQ-7C	Sound Recorder-Reproducer	50 to 20,000cps, 3.75/7.5/15ips. 2 Channels. 1w amplifier each channel. 0.25" tape.	Ampex Corp 102713-01	N-61-m-2596	MIL-R-21091D	P/O AN/UNQ-7C
RD-248( )/ARC-89(V) RD-248/ARC-89(V)	Sound Recorder-Reproducer	14 audio cnannels. 7.5/15/30/60ips. 1" tape.	Ampex Corp 01-00283-00	AEL-62-234		U/W AN/ARC-89(V)
RD-249/U	Sound Recorder-Reproducer	Down 8db or less at 200 and 3500cps from 1kc reference point. 30rpm. 2 inch tape. 24 hour record. 1 channel. 2w output.	Soundscriber Corp S-124	N-62-T-1819		P/O OA-3998/TSQ-18
RD-251( )/GSA-51 RD-251/GSA-51	Magnetic Tape Recorder-Reproducer	Can write, read, backspace, rewind and erase by remote unit. 7 channels. 555.5 characters/inch at 120ips.	Burroughs-Pasadena B422	WL-62-6089		P/O AN/GSA-51
RD-251( )/GSH-12 RD-251/GSH-12	Magnetic Tape Recorder-Reproducer	Same description as RD-251/GSA-51.	Burroughs-Pasadena	WL-63-R-2667		P/O AN/GSH-12
RD-252/UNH-9	Signal Data Recorder-Reproducer	40 to 7500cps at 1.875ips to 200 to 120,000cps at 30ips. 1.875/3.75/7.5/15/30ips. 7 channels. 0.5" tape. Simultaneous or sequential recording.	Sanders Associates	NW-62-705	MIL-R-22874A	P/O AN/UNH-9
RD-253( )/AMQ-19 RD-253/AMQ-19	Signal Data Recorder-Reproducer	Records and stores until transmission of 4 characters 8 parallel bit meteorological data on magnetic tape.	Southwestern Indust 1144575-1	AEL-63-3		P/O AN/AMQ-19
RD-254( )/GLR-1	Sound Recorder-Reproducer	50 to 15,000cps, 7.5ips. 2 channels. 0.5" tape. Audio-anal signal on one track, digital tone on other.	General Dynamics/Elec 666129-483	WL-62-6373		P/O OA-4816/GLR-1
RD-255( )/UYK-1(V) RD-255/UYK-1(V)	Signal Data Recorder-Reproducer	Records or plays back digital data in either binary or alphanumeric format.	Thompson-Ramo-Wool TRW-170	N-63-Y-490		P/O AN/UYK-1(V)
RD-5002( )/GR	Sound Recorder-Reproducer	300 to 3000cps ±2db. 2 minutes of recording time on cylinder. P/O experimental radio relay system.		CA-62-532	AEEE 6016-59-489/5	

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RO-1()/FR RO-1/FR	Tape Code Recorder	Provides means of recording on-off periods on electro-sensitive paper of five 10kc audio signals on separate tracks. U/W radio receiving equipment.		USA USN	SHIPS-R-560	
RO-2()/GMQ RO-2/GMQ	Wind Direction And Speed Recorder	Makes ink recording of wind directions (0 to 360°) and wind speeds (0 to 120 knots/hour in 2 knot steps, and 0 to 240 knots/hour in 4 knot steps) on a chart.	Friez 518800-1	USA SCLE-9423	MIL-R-12405	U/W AN/GMQ-11()
RO-3()/MPQ RO-3/MPQ	Azimuth-Elevation-Range Recorder	Operating power: 110v, 60cps, 3 phase; input Z: 16kΩ at 1000cps; amplifiers included. Uses chemically treated sulphite paper, non-ferous stylus.	Electronic Assoc 11260	(USA) SCLE-4504		U/W AN/MPQ-22
RO-4/GQQ-T	Range Recorder	Graphically records sonar echos and associated sounds. Chart speed: 2" or 5" per 131.7sec on 3750 or 1500 yard scales respectively. Input Z: 50kΩ.	Sangamo Electric Co	USA USN		
RO-6/FQS	Azimuth and Range Recorder	Produces a time-range bearing plot of echos from echo ranging underwater sound equipment. U/W BuShips Herald Equipment, Model QBH-2.	Airplane & Marine	USA USN	MIL-H-16808	P/O OA-561/FQS
RO-10()/CPQ-7A	Frequency Propagation Recorder	Transmitter and receiver: 1 to 25Mc, for recording and measuring virtual height and critical frequencies of upper atmosphere ionized regions w/time data.		USA SCLE-4509	MIL-P-000 (Sig)	P/O AN/CPQ-7A
RO-11()/AJH-1	Weather Data Recorder	Records basic meterological and navigational data obtained from aircraft reconnaissance equipment via various signal data converters.	Cook Electric Co	USA AEL-54-70	WCLEI-4-10	P/O AN/AJH-1()
RO-12()/ASH-4 RO-12/ASH-4	Light and Data Recorder	Records, on 35mm film, the intensity signals from Light and Time Recorder IP-297/ASH-4 and the timer readings.	Edgerton G & G Inc	USA AEL-54-166		P/O AN/ASH-4
RO-13()/ASH-4 RO-13/ASH-4	Light and Data Recorder	Records on polaroid film the intensity signals from Light and Time Recorder IP-297/ASH-4 and the timer readings.	Edgerton G & G Inc	USA AEL-54-167		P/O AN/ASH-4
RO-14()/APH RO-14/APH	Signal Data Recorder	A small 12 channel magnetic tape recorder using 4 channels to record the attack display and range information from the E and MG series fire control systems on 1" tape. Includes amplifier.	North Amer Aviation N-359	USA AEL-54-302		
RO-15()/APQ-38 RO-15/APQ-38	Radar Data Recorder	18" roll strip, 100 ft long; recording speed: 45 or 90 miles/ft on 5 or 10 mile range respectively. Prints terrain map 50 or 100 miles wide with antenna drift limit reset marks and generates range markers and ground range signal. Synchronizes antenna and computer relays.		USA AEL-54-352	MIL-R-9493	P/O AN/APQ-38
RO-16()/APQ-56 RO-16/APQ-56	Radar Data Recorder	Converts video output from Radar Receiver-Transmitter RT-342/APQ-56 to roll strip photographic map using 1 of 2 CRTs. Other is used for monitoring. Permits insertion of altitude and speed data.		USA AEL-54-568		P/O AN/APQ-56
RO-17()/AMQ-10	Air Turbulance Recorder	Records true gust values of 5 to 50ft/sec in 5ft/sec steps from Air Turbulence Computer CP-239()/AMQ-10 on tele-deltos paper.	Courter Electric Prod	USA AEL-54-598	MCREXE 42-137A	U/W AN/AMQ-10()
RO-18/U	Tape Code Recorder	Records 5 to 300 words/minute by code on heat sensitive tape.	Whiteford lab WL-1	USN		
RO-19()/TPQ-5	Rectangular Coordinate Recorder	Sulphite chart paper; recording speed: 0.75"/sec. Records radar data, X,Y and H distance, supplied by coordinate converter of Radar Set AN/TPQ-5().		USA SCLE-9313		U/W AN/TPQ-5()
RO-20()/MPQ-21	Azimuth-Elevation-Range Recorder	Sulphite chart paper; recording speed: 0.75"/sec. Records data supplied by Radar Set AN/MPQ-21(). Similar to RO-3()/MPQ.		USA SCLE-9312		P/O AN/MPQ-21()
RO-21()/UKR-8 RO-21/UKR-8	Frequency-Time Recorder	Frequency: 400cps to 30kc; elapsed time: 0 to 7 minutes. Records signal from Radio Receiver R-654/UKR-8 using magnetic tape.	Aircraft Armaments 1464699	USN	Navord OS-5741	P/O AN/UKR-8
RO-22/U	Coordinate Data Recorder	One unit only; operates from 115v, 1Ø, 60cps, 150w. Paper size: 11" by 17" max. For general purpose X-Y plotting and recording.	Librascope Inc 307323	USN		
RO-23()/MSQ-1A RO-23/MSQ-1A	Ground Speed-Height Recorder	Graphically records height (0 to 250K ft)and ground speed (0 to 3000 knots). Variable chart speed.	Reeves Inst 139826	USA WL-54-1970	RADC-2292	P/O OA-877/MSQ-1A
RO-24()/MSQ-1A RO-24/MSQ-1A	Azimuth Deviation Recorder	Graphically records azimuth (0 to 360°) and steering angle error (-90 to +90°). Variable chart speed.	Reeves Inst 139824	USA WL-54-1969	RADC-2292	P/O OA-877/MSQ-1A
RO-25()/MSQ-1A RO-25/MSQ-1A	Range Recorder	Graphically records range (0 to 400K yds). Variable chart speed.	Reeves Inst 139822	USA WL-54-1968	RADC-2292	P/O OA-877/MSQ-1A
RO-27()/FMQ-3	Cloud Height Recorder	Records data from Cloud Height Set AN/FMQ-3() in terms of angles: 0 to 90° with 2° graduations.	Times Facsimile Corp	USA SCLE-9510	SCL-2898 SCEL	U/W AN/FMQ-3()
RO-28()/UNH-6 RO-28/UNH-6	Sound Recorder	50 to 10,000cps ±2db. 0.25" magnetic tape; 7" max diameter; recording speed: 7.5"/sec; Z: 600/200Ω; two channels.	Ampex Corp 60432-01	USN-58-Q-764	MIL-E-5400	P/O AN/UNH-6
RO-30/WQM-1	Electro-Mechanical Polar Recorder	Records variations in noise from QHB sonar around 360° on polar paper using 5ips pen and 0.333rpm recording speed.		USN 1033	SHIPS-F-1386	P/O AN/WQM-1
RO-32()/ASQ RO-32/ASQ	Magnetic Distortion Recorder	0 to 3cps; ±0.5ma full scale. Records intensity, frequency and time on roll chart.	Dalmo Victor Co	N-59-Q-932	MIL-R-21073 (Aer)	U/W AN/ASQ-8 AN/ASQ-10 AN/ASQ-21 AN/ASQ-46()
RO-33()/ASQ-22 RO-33/ASQ-22	Signal Data Recorder	Packing density: 256 bits/inch; recording time: 14 hours at 0.5"/sec; magnetic tape type; 14 channels. Receives data from Electronic Reconnaissance System AN/ASQ-22(V).	GL Martin	USAF AEL-55-517	WCLR-294	P/O OA-1031/ASQ-22

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RO-44/ASH	Signal Data Recorder	Magnetic tape recording medium; data recorded: attack display recording; audio recording; 64 channels. Special features: number input channels 21 analog, 42 on-off, 1 audio; analog to digital conversion; two-hour recording time; quick transfer of tape magazine from recorder to reproducer.	North Amer Aviation S14A	N-60-Q 1786	MIL-R-19508 (Aer)	U/W AERO X-1A
RO-51/FQM-1	Polar Coordinate Data Recorder	Used to obtain an ink-written record of the polar response of the transducer under test.	Dyna-Empire Inc C-3387	USN-56-966	SHIPS-T-1506	P/O AN/FQM-1
RO-52()/ASH-11	Signal Data Recorder	20kc to 1Mc; records video signal pulses from radar and reconnaissance receivers on magnetic tape. Data used in Signal Data Reproducing Set AN/GSH-2().	Bing Crosby	AEL-56-862		P/O AN/ASH-11()
RO-53()/APQ-53	Radar Mapping Recorder	9.5" wide, 50 ft long tape. Records radar map of ground strip 15 or 30 miles on each side of the aircraft.	Hycon Mfg	AEL-56-865		P/O AN/APQ-53()
RO-54()/G RO-54/G	Hygrothermo-graph	Records relative humidity (0 to 100 ±2%) and temperature (0 to 100°F, 0 to 50°C, 0 to 120°F ±1% of total span) on 8", 7 day chart. Portable.	Foxboro Co B-580, B-581	CRC-56-409		
RO-55()/GRM-9	Guidance System Error Recorder	Used as dc paper pen recorder. Also 0 to 80cps response; 8 channels.	Sanborn Co	WDD-56-96		P/O AN/GRM-9()
RO-56()/APQ-68 RO-56/APQ-68	Hiran Data Recorder	Eliminates visual read-out by converting shaft and voltage data to punched digital teletype tape data which is fed into computer.		AEL-56-R-1020		U/W OA-1328/APQ-68
RO-57()/GMQ RO-57/GMQ	Cloud Height Recorder	Prints, in feet, cloud height detected by cloud height set averaging determinations every minute.		CRC-56-417		U/W AN/GMQ-13 AN/FMQ-3
RO-58()/TMQ-11 RO-58/TMQ-11	Humidity-Temperature Recorder	Cancelled 8 August 1960.		CRC-60-C-141		P/O AN/TMQ-11(V)
RO-59()/GSQ-20	Digital to Digital Recorder	Records on 3mm film digital information from air-borne navigation and sensing devices.	Northrop Corp	WL-56-2052		P/O AN/GSQ-20()
RO-60()/GSQ-20	Intercept Line Recorder	Produces plot (1" to 50 miles) showing pseudo intercepts and corresponding time. Actuated by IBM-776 Computer.	Northrop Aircraft Inc	WL-56-2058		P/O AN/GSQ-20()
RO-61/U	Oscillograph	0 to 100cps; 2 channels; chart speed: 0.5/1/2.5/5/10/25/50/100mm/sec; portable. Records studies of conditions such as strains, currents etc.		ORDBA-0053		
RO-64()/GMQ-12 RO-64/GMQ-12	Wind Direction and Speed Recorder	0 to 360° in 5° increments; 0.5 to 60mph in 1mph increments; portable; spring wound.	Beckman & Whitley M-170-410-21	SESA-58-2018		P/O AN/GMQ-12()
RO-64A/GMQ-12	Wind Direction and Speed Recorder	Same description as RO-64/GMQ-12. Interchangeable except for maintenance parts.	Rett Products R-83-D-209	SESA-58-1595		P/O AN/GMQ-12()
RO-65()/FST RO-65/FST	Coordinate Data Recorder	Prints tape record of azimuth and range coordinates of targets.	Lewyt Mfg Co R-PO-100	CRC-56-640	AFCRC-56-4	U/W OA-1163/FST
RO-66/UQ	Depth Recorder	Expanded scale: 400 fathom increments; accuracy: ±1 fathom. Automatically prints depth calibration marks and time breaks phased with ship's time standard.	Times Facsimile Corp	USN-192		U/W AN/UQN-1
RO-66A/UQ	Depth Recorder	Same description as RO-66/UQ; provisions for operation as master or slave added.	Times Facsimile Corp	N-58-n-999		U/W AN/UQN-1B AN/UQN-1C
RO-67()/FSA-14 RO-67/FSA-14	Oscillograph	Eight channels; not rated for frequency or sensitivity; chart speed: 1mm/sec; fixed deflection: 1mm. Electrically writes on teledeltos paper.		WL-56-2751	MIL-C-9553 (USAF)	P/O OA-1539/FSA-14 OA-1540/FSA-14
RO-68()/FSA-14 RO-68/FSA-14	Oscillograph	8 channels; 0 to 30cps. Sensitivity: 0.9mm/v; chart speed: 1 to 3mm/sec; max deflection: 30mm. Electrically writes on teledeltos paper.		WL-56-2752	MIL-C-9553 (USAF)	P/O OA-1539/FSA-14 OA-1540/FSA-14
RO-69()/ALA-9 RO-69/ALA-9	Signal Data Recorder	Records radar signal data on magnetic tape. Uses digital coded signals from AN/ALA-9%().		AEL-57-257	WCLR-196B	P/O AN/ALA-9
RO-70/FQQ	Signal Data Recorder	5 channels; 0 to 56cps ±6db. Speed: 0.25 to 100mm/sec in 9 steps. Uses 10" permapaper.	Western Electric Co G-255102	USN-57-n-595		P/O AN/FQQ-4 OA-1590/FQQ-1
RO-70A/FQQ	Signal Data Recorder	Same description as RO-70/FQQ.	Western Electric Co G-255102-2	N-58-n-1464		P/O OA-1975/FQQ-2 OA-1976/FQQ-2 OA-1977/FQQ-2
RO-71/SMQ-1	Weather Data Recorder	8 to 220cps; records data from radiosonde using ink pen and synchronous drive.	Barth Eng & Mfg Co 50073	USN-59-Q-1631	MIL-R-18657 (Aer)	P/O AN/SMQ-1A AN/SMQ-1
RO-72/FPS-16	Signal Data Recorder	4 channels; Z: 5MΩ chart speed: 0.25 to 100mm/sec. Records input data on permapaper using ink-pen.	Radio Corp of Amer 8302175-501	USN		P/O AN/FPS-16 U/W CY-2236/FPS-16
RO-75/DPM-7	Signal Data Recorder	Records responses of Missile Guidance Set AN/DPN-24 and calibrates guided missile test stand. 4 channels.	Raytheon Mfg Co 2597B	USN-57-Q-1783		P/O AN/DPM-7
RO-76/UXH-2	Facsimile Recorder	Contains stylus and base casting, run and sync mechanism and paper feed assembly. U/W Electronic Control Amplifier AM-1845/UXH-2.	Times Facsimile Corp 182-00-00-00	USN-57-Y-1856	MIL-F-19480 (SHIPS)	P/O AN/UXH-2 U/W AM-1845/UXH-2
RO-77/MSW-2	Signal Data Recorder	Records data from missile guidance signals such as yaw and pitch commands, azimuth, impact time etc. Sensitivity: 1.6mm/ma; Speeds: 2.5 and 50mm/sec; max deflection: ±2cm. Uses ink-pens. Uses time-sharing to record more than 6 variables.		ORDDW-292-57		P/O OA-1335/MSW-2

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RO-79/U	Refractometer Data Recorder	Graphs refractive index as a function of altitude as aircraft climbs and descends. Inputs dc received from IM-142/ASH-14 and pressure transducer.		USN-58-Q 2042		P/O AN/ASH-14 U/W IM-142/ASH-14
RO-81()/MRM-6 RO-81/MRM-6	Oscillograph	0 to 100cps; sensitivity: 10mm/v; chart speed: 0.2/0.5/1/3/5/10/25/50/100mm/sec; amplitude deflection: 25mm(0 to 40cps), 10mm(40 to 100cps); 4 channels. Selects 4 of 18 input signals and records them on a strip chart.	GE-Utica 7969451G1	WDD-60-238A-57		P/O OA-1848/MRM-6
RO-83()/GRM	Perforator-Printer	Automatically records test voltages in type written and punched paper tape form and prints programmed instructions to test set operator.	Stromberg-Carlson Co 666002-518	WDD-57-221		U/W AN/DRW-10()
RO-83()/MRM-6 RO-83/MRM-6	Perforator-Printer	Automatically records test voltages in type written and punched paper tape form and prints programmed instructions to test set operator.	GE-Utica 7969453G1	WDD-60-221A-57		P/O OA-1823/MRM-6
RO-84/USQ-11	Signal Data Recorder	6" film; recording speed: 0.2 to 50"/sec in 5 steps; 3 channels; Response: 0 to 140cps ±3db. Transforms and displays signal from Radio Receiver R-867/USQ-11 for film record.	Aircraft Armaments	USN-58-d-270		P/O AN/USQ-11
RO-85/F	Oscillograph	0 to 0.5cps; sensitivity: 12.7 to 254mm/mv; chart speed: 12.7mm/sec; 1 channel; amplitude deflection: 254mm. Produces paper recording of response characteristics of CV-316/DJW-1 and CV-316A/DJW-1 Signal Data Converters.		ORDDW-357-57		
RO-86()/ARR-26 RO-86/ARR-26	Signal Data Recorder	6" roll chart, 100ft long; recording speed: 0.4/1.5/6/24 inches/minute; range: 0.5 to 10cps, 0.5 to 0 to 0.5ma. Similar to RD-47A/ASQ-8.	Texas Instrument Inc 58119	USN-58-Q-799	MIL-R-5409A (AER)	U/W AN/ARR-26
RO-86()/ASQ-8 RO-86/ASQ-8	Magnetic Distortion Recorder	6" roll chart, 100ft long; recording speed: 0.4/1.5/6/24 inches/minute; range: 0.5 to 10cps, 0.5 to 0 to 0.5ma. Receives time versus earth's magnetic field disturbance.	Grumman Aircraft 58119	USN-58-Q-398	MIL-R-5409A (AER)	U/W AN/ASQ-8,8A
RO-87/GMQ-14A	Weather Data Recorder	Strip type chart; records dew point temperature: -30 to 120°F; air temperature: -20 to 130°F; rainfall: .01 to 1000" using 6 ink-pens.	The Instruments Corp	USN-58-Q-467		P/O AN/GMQ-14A
RO-88()/GSQ-33 RO-88/GSQ-33	Data Printer	Contains modified paper tape printer and solenoid amplifiers used to energize associated solenoids connected to logic circuitry within computer.	Burroughs- Detroit 03-14	WDD-57-1030		P/O OA-1900/GSQ-33
RO-89()/GSH-5 RO-89/GSH-5	Signal Data Recorder	Contains high speed paper tape punch and reels needed to store tape both before and after it is punched.	Burroughs-Detroit DJC 1823	WDD-60-R-957		P/O AN/GSH-5
RO-90()/GSQ-33 RO-90/GSQ-33	Signal Data Recorder	Contains teletype punch and reels needed to store tape before and after it is punched.	Burroughs-Detroit 02-01	WDD-57-1040		P/O OA-1899/GSQ-33
RO-91/SSN	Navigation Data Recorder	Electrosensitive chart; dual channel line of position automatic recorder utilizing servo data input. U/W marine navigation systems. Data derived from such systems as LORAN, LORAC, etc.	Brush Instruments YL-154	USN-58-b-723	SHIPS-N-2591	
RO-92()/GTC	Electrographic Telecode Recorder	Paper recording tape. Inked dot type recording by means of electrographic process. 60 to 2000 words/minute recording range. Receives signals from 3000cps telephone line and prints the code which is being transmitted. Can be modified for general purpose use.		CRC-58-84		U/W AN/FMQ-5 AN/TMT-1 T-684()/GTC C-2538()/GTC
RO-92()/GTH-1	Electrographic Telecode Recorder	Paper recording tape. Inked dot type recording by means of electrographic process. 60 to 2000 words/minute recording range. This recorder, in conjunction with the receiving recorder and distribution control unit, will receive signals from a 3000cps telephone line and print the code which is being transmitted.	Burroughs-Paoli	CRC-60-R-17	AFCRC Exh 58-18	P/O AN/GTH-1
RO-93()/FRC-47 RO-93/FRC-47	Signal Data Recorder	Provides sensitized paper recording of signal-to-noise ratio, transmitted signal (2 channels), composite received signal, received signal, and transmitted power level (2 channels).	Olympic Radio & TV AS-13021	CRC-58-R-217	MIL-R-26422	P/O OA-1658/FRC-47
RO-94()/FRC-47 RO-94/FRC-47	Signal Data Recorder	Provides sensitive paper recording of various transmitter and receiver parameters; 40 channels.	Brush Electronics RE-361000	CRC-58-146	MIL-R-26422	P/O OA-1658/FRC-47
RO-95()/APS-70 RO-95/APS-70	Oscillograph	0 to 200cps; sensitivity: 1.175mm/v; chart speed: 6.33 and 18.99mm/sec; amplitude deflection: (0 to 90cps) 20mm, (90 to 120cps) 15mm, (120 to 200cps) 5mm. Receives video information from range indicator unit and records antenna lobe variations in ink.	Goodyear Aircraft	USN-58-Q-1075		P/O OA-1983/APS-70
RO-96()/GRM	Perforator-Printer	Records test functions in type written and punched paper tape form and prints programmed instructions to test set operator.	Stromberg-Carlson Co 666002-359	WDD-58-50		P/O C-2572()/GRM U/W AN/DRW-10()
RO-97()/GRM	Tape Perforator	Automatically records test functions in punched paper tape form.	Stromberg-Carlson Co 666005-645	WDD-58-51		P/O C-2572()/GRM U/W AN/DRW-10()
RO-98/U	Tape Telegraph Code Recorder	0.375" heat sensitive paper tape; 5 to 300 words/minute. Accepts Morse or teletypewriter signals in on-off tone form and records them as mark and space information. Permits variable speeds and recording capability up to 24 hours.	Whiteford Lab WL-3	N-58-b-1157		
RO-98A/U	Tape Telegraph Code Recorder	Same description as RO-98/U. Uses new design and certain different parts.	Whiteford Lab WL-3A	N-60-Y-1832		
RO-99()/MPG-6 RO-99/MPG-6	Coordinate Data Recorder	Plots present and predicted ground range and altitude data: 0 to 40,000 yards (0 to 20,000 yard range and -500 to +20,000 yard altitude).		ORDBA-0228	ORD FSC-845	P/O AN/MPG-6
RO-100()/MPG RO-100/MPG	Coordinate Data Recorder	Plots present and predicted ground range and altitude data: 0 to 20,000 yard range, -500 to +20,000 yard altitude.		ORDBA-0232	ORD FSC 845	U/W AN/MPG-7

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RO-101()/TSH-2 RO-101/TSH-2	Signal Data Recorder	Provides for photofilm chart recording of missile flight data and commands transmitted; 36 channels.	Consol Electrodynom 5-119	WL-58-R-2295		P/O AN/TSH-2
RO-102()/GR RO-102/GR	Signal Data Recorder	Heated still type paper recorder; 8 channels. Records ground guidance equipment signals.	Sanborn Co	WDD-62-10108		P/O AN/GRQ-10 AN/GRS-1A
RO-103()/GRQ-2 RO-103/GRQ-2	Signal Data Recorder	8 channel. Records on paper using heated stili. Records ground guidance equipment signals and servo signals.		WDD-62-10093		P/O AN/GRQ-10
RO-104()/AJG RO-104/AJG	Simulator Recorder	Simulates MB-1 rocket mission and records signals from armament section of fire control system and flight firing time. U/W F-106 and F-101 Aircraft.	McDonnell Aircraft Northrop Aircraft Inc	AEL-58-500		
RO-105()/U RO-105/U	Oscillograph	dc to 5000cps; sensitivity: 100mm/v; chart speed: 2/4/8/16"/sec; 50 channels; amplitude deflection: ±5% at 0 to 600cps. Provides graphic record of recovered data.	Midwestern Inst	USN-59-d-61		P/O AN/SKH-1
RO-107()/U RO-107/U	Sound Recorder	0 to 8000cps ±2db; 0.25" tape; 10" reel; recording speed; 7.5"/sec; 2 channels. For reproduction on various reproducing sets.		WL-58-2062		
RO-108()/GSQ-33 RO-108/GSQ-33	Data Printer	Records computer results and operates when the computing system is in the guidance mode.	Burroughs-Detroit DAT-41000	WDD-58-1015		P/O AN/GSQ-33
RO-109()/SPN-28 RO-109/SPN-28	Signal Data Recorder	Provides continuous record of time delay readings in μsec and hundredths of μsec. 6.38" tape; 1" reel; recording speed: 8"/minute; 4 channels.	Sperry Gyroscope Co 4223-94803	N-58-ac-2060		
RO-110()/ALD-4 RO-110/ALD-4	Signal Data Recorder	Magnetic tape type; 16 channels. Functions as a digital data storage device.	Melpar Inc R623773-1	AEL-60-R-191	EXH: WCLR 58-28A	P/O AN/ALD-4(V)
RO-111()/ALD-4 RO-111/ALD-4	Signal Data Recorder	Magnetic tape recording medium. Functions as analog data storage unit. Receives the pulse modulated inputs from various receivers of the electronic reconnaissance set and modifies them.	Melpar Inc	AEL-59-R-899	EXH: WCLR 58-28	P/O AN/ALD-4(V)
RO-112()/ALH-4 RO-112/ALH-4	Signal Data Recorder	Tape recording medium. Wide band data recorder, 4 channels. Forms part of the Airborne Signal Data Recording Set AN/ALH-4 and AN/ALH-5.	Ampex Electric	N-60-Q-2285		P/O AN/ALH-4 AN/ALH-5
RO-113/ASA-20	Signal Data Recorder	Traces oscillographic record of signals from control unit on heat sensitive paper and converts the adjusted 400cps voltage from C-2743/ASA into two range voltages; 2 channels.	Daystrom Inc	N-58-Q-2253	MIL-R-21012 (Aer)	P/O AN/ASA-20 U/W AN/ARR-26A
RO-114/ASA-26	Signal Data Recorder	Traces oscillographic record of signals from control unit on heat sensitive paper and converts the adjusted 400cps voltage from C-2743/ASA into voltages proportional to range.	Daystrom Inc	N-58-Q-2257		P/O AN/ASA-26 U/W AN/ARR-26A
RO-115()/APQ-86 RO-115/APQ-86	Radar Mapping Recorder	Film type recorder: 5" film width. Rectangular coordinates. Used to record the terrain features and cultural targets as they are scanned by the radar antenna beams.	Texas Instruments Inc 424936-1	AEL-60-R-148		P/O AN/APQ-86
RO-116()/GR RO-116/GR	Signal Data Recorder	Paper recording type, heated stili type. 8 channels. Facilities for internal batteries. Records ground guidance equipment signals.	Offner Electronics Inc	WDD-62-10050		P/O AN/GRQ-2B AN/GRS-1
RO-117()/GRQ-2 RO-117/GRQ-2	Signal Data Recorder	Paper recording type, heated stili type. 8 channels. Facilities for internal batteries. Records ground guidance equipment signals. ac amplifier provides for recording of servo signals.	Offner Electronics Inc	WDD-62-10051		P/O AN/GRQ-2B
RO-118/U	Oscillograph	0 to 100c-s; sensitivity; 0.66mm/v; chart speed: 1/2/5/10/25/50/125/250mm/sec and cm/hour; 6 channels; amplitude deflection(p-p): 40mm(to 40cps), 20mm(to 70cps), 10mm(to 100cps). Produces ink chart paper recording.	Brush Instruments 429124	N-59-d-14		
RO-119()/GSQ-33 RO-119/GSQ-33	Digital Data Printer	Accepts and prints information in digital form from computer test register decoders by energizing solenoids on keyboard.	Burroughs-Detroit DAT-41045	WDD-59-952		P/O OA-2252/GSQ-33
RO-120/FQQ-1	Signal Data Recorder	6" electrosensitive paper; 1 channel; recording speed: 15.12"/hour.	Western Electric Co GS-56169	N-59-n-834		P/O AN/FQQ-1(V)
RO-121/GMQ-13	Cloud Height Recorder	Records data from rotating beam optical ceilometer by means of electrolytic discharge on chemically treated paper. Range: 0 to 90° using 58 intervals.	Alden Electronics	N-59-Q-847	USWB 451,2326	U/W AN/GMQ-13
RO-122/FQQ-3	Assembly Recorder	Provides four continuous displays of sound spectra with time marks and frequency pips as analyzed by associated components. Also contains four scales for frequency measure and one bearing scale set.	Western Electric Co GS-57277,L1	N-59-n-937		P/O AN/FQQ-3(V)
RO-123/FQQ-3	Assembly Recorder	Provides four continuous displays of sound spectra with time marks and frequency pips as analyzed by associated components. Also contains four scales for frequency measure and one bearing scale set.	Western Electric Co GS-57277,L2	N-59-n-938		P/O AN/FQQ-3(V)
RO-125()/AQS-12 RO-125/AQS-12	Range Recorder	Receives pulse of AF energy from airborne sonar equipment and produces a record of ranges on electrochemical graph paper. Can be keyed externally with variable pulse lengths and repetition rate.	Raytheon-Waltham	N-59-Q-1030		P/O AN/AQS-12
RO-126()/UP RO-126/UP	Signal Data Recorder	Records azimuth, elevation and range informations: 16 channels. Accepts multi-channel voltage input data and produces paper tape perforated for digital computation. U/W various radar sets.	Vitro Labs N3410	WL-59-1142	EXH: RADC-1872	
RO-127()/APS-94 RO-127/APS-94	Radar Mapping Recorder	Records permanent echo and moving target radar displays on either 4" by 5" or 70mm film. Also records flight data information.	Motorola-Scottsdale 201-21752	SESA-59-2388		P/O AN/APS-94()
RO-129()/FSW-9 RO-129/FSW-9	Fault Locating Recorder	A tape punch, electrically operated, which automatically punches coded numbers on a tape to identify faults occuring in the electrical control system.	Amer Mach & Foundry 59-206-1740	WDD-59-2841		P/O AN/FSW-9

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RO-130()/UG RO-130/UG	Teletypewriter Transmitter Recorder	Tape recorder. Teletypewriter keyboard; 7.42 unit code; standard communications keyboard; English characters and standard unit code; 1.25 inches wide tape. For general purpose use.	Teleprinters Corp 117	USN-59Q-1848		
RO-131()/TPQ-11 RO-131/TPQ-11	Weather Data Recorder	Accepts processed video, time, data operating controls from record amplifier; wet facsimile paper; paper speed: 1 scan/second. Provides a continuous, permanent record of cloud radar returns.	Olympic Radio & TV AS-18127 Lear Siegler Inc AS-78024	CRC-62-R-260	MIL-R-9752A (USAF)	P/O AN/TPQ-11
RO-132/U	Oscillograph	0 to 100cps; sensitivity: 1.1mm/volt; 1/5/25/125mm/sec; 2 channels; max amplitude deflection: 40mm (0 to 70cps), 20mm(70 to 100cps). Serves to give ink chart record of aircraft deviation from its optimum course.	GE-Syracuse 7613949G1	USN-59-T-1815		P/O KY-303/TPQ-10
RO-133()/FRR RO-133/FRR	Telegraph Code Tape Recorder	Dry-type electrosensitive tape recorder for recording digital data.	Sylvania Electric Co	N-59-Y-1965	SHIPS-E-3057	
RO-133A/FRR	Tape Telegraph Recorder	Same description as RO-133/FRR. Improved mechanical layout, new electromagnetic break and internal triggering added.	Sylvania Electric Systems	N-62-Y-147	SHIPS-T-3767	
RO-134()/AL RO-134/AL	Signal Data Recorder	Tape recording medium. 14 channels available. Records and measures parameters of electronic countermeasures airborne equipment.		WL-59-1839		
RO-135/U	Oscillograph	0 to 100cps; sensitivity: 0.67mm/v; chart speed: 1/2/10/25/50/125/250mm/sec; 2 channels; amplitude deflection: 40mm(0 to 40cps), 20mm(40 to 70cps); 10mm(70 to 100cps). Ink chart or electrosensitive medium.	Brush Instruments RD2622-00	USN-59-X-2208		
RO 137-()/GRQ-3 RO-137/GRQ-3	Signal Data Recorder	Paper recording type; heated stile type recording; 16 channels. Records primary flight data received in analog form from the converter. This information is received from the computer and track sub-system.	Sanborn Co	WDD-59-461		P/O OA-2497/GRQ-3
RO-139()/GSQ-33 RO-139/GSQ-33	Signal Data Recorder	Records the time of the following discrete commands: automatic sustainer cut off, inhibit, manual fuel cutoff, destruct and AFMTC timing.	Burroughs-Detroit DJC 15629-1,CCS/3-40	WDD-59-978		U/W AN/GSQ-33
RO-140/FQA-1	Signal Data Recorder	Electro-mechanical recording; recording medium data: belt type, 2 inches wide (plastic coated perma paper). 8 channels. 0.25/0.5/1.0/2.5/5/0/10/25/50 and 100mm/sec recording speeds.	Sanborn Co 158-100B	N-59-n-2417		P/O AN/FQQ-6
RO-141()/GMQ-20 RO-141/GMQ-20	Wind Direction and Speed Recorder	Records wind direction (0 to 360° in 10° steps) and speed (0 to 120 knots in 2 knot steps) on ink chart.		CRC-59-298		P/O AN/GMQ-20(V)
RO-144()/GSK-1 RO-144/GSK-1	Digital Data Printer	Prints out the results of test routines on (hard copy) paper tape. The printer receives an eight digit octal or decimal number as programmed and routed from the circuitry of the computer set; printing is completely automatic.	Remington Rand Univac 211600	WDD-60-3317		P/O AN/GSQ-1
RO-145/GMQ-14B	Weather Data Recorder	Records dew point temperature, air temperature and rainfall, by means of ink-pens on strip type recording chart.	Belfort Instrument	N-60-Q-560		P/O AN/GMQ-14B
RO-146()/GRW-5 RO-146/GRW-5	Signal Data Recorder	Sensitized paper recording medium. This unit consists of a GA-10965, 24 channel direct reading recorder, controls, resistors, switching relays, and adjusting tools. The recorder presents a record of discrete commands and others against several time bases. It will be used for maintenance and critique purposes.	Western Electric Co	WDD-60-3217		P/O AN/GRW-5
RO-147()/GXR-3	Facsimile Recorder	Prints a permanent record of all information received by Television Viewer AN/GXR-3&().	Stewart Warner Elec FR-15	CRC-61-R-20	EXH: AFCRC 58-2	P/O AN/GXR-3
RO-148/USM-86A	Oscillograph	dc to 120cps; sensitivity: 0.2"/mv; chart speed: 1.9 to 9.5"/sec; 14 channels available, 3 utilized. Records rapid variations in small currents on photographic film. Portable.	Midwestern Inst 621S-AMF	N-60-T-1133		P/O AN/USM-86A
RO-149()/ALD-5(V) RO-149/ALD-5(V)	Wave Form Recorder	Provides photographic record of multiple time base display identical to waveform display indicator.	Raytheon Mfg Co 159100	AEL-61-R-1778		P/O OA-2506/ALD-5
RO-150()/ALD-5(V) RO-150/ALD-5(V)	Signal Data Recorder	Provides audio bandwidth record of received signals. Provides digital record for record correlation.	Raytheon Mfg Co 159200 Ampex Corp S-160632	AEL-61-R-1778		P/O OA-2506/ALD-5
RO-151()/ASR-5(V) RO-151/ASR-5(V)	Digital Data Recorder	Records encoded digital data from digital data converters on magnetic tape. Mounts on aircraft.	Sylvania Electric Co	AEL-60-549		P/O OA-2501(V)/ASR-5
RO-152/G	Magnetic Tape Recorder	Records signals from 20 to 20,000cps. Plays back signals recorded.	Ampex Electric 601	N-60-T-1629		P/O AN/TSQ-40,41,42
RO-153/U	Signal Data Recorder	Paper tape recording medium. Collects readout information from a counter and prints the count indication on adding machine tape.	Beckman Instruments 1452	N-60-Y-1704		U/W FR-143/U
RO-154()/ASH-16 RO-154ASH-16	Radar Recorder	Special airborne type of recorder.	Eastman Kodac Inc LE-0371GR	N-60-Q-1856		P/O AN/ASH-16
RO-155()/FPS-24 RO-155/FPS-24	Pedestal Data Antenna Recorder	Records pedestal bearing run out, temperature, revolution per minute, wind velocity, wind direction, antenna drive power, current and voltage.	Brush Instruments 432029-910	WL-60-3470		P/O AN/FQS-24
RO-156/GVH-1A	Optical Pyrometer Recorder	Records on chart the data transmitted from the Light Intensity Detector DT-238/GVH-1A.	Minneapolis-Honeywell SY153x11	SESA-60-1375		P/O AN/GVH-1A

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
RO-157/GMQ-12A	Speed and Wind Direction Recorder	Records wind direction and speed as picked up by the wind measuring set.	Texas Instruments Inc 272-200	SESA-60-1378		P/O AN/GMQ-12A
RO-158/ASQ-T2	Flight Path Recorder	Hemispherical recorder indicating the flight path and position of the simulated aircraft.	Curtiss Wright	AEL-60-1124		P/O AN/ASQ-T2
RO-159/ASQ-T2	Electro-writer	Basic single case, 8 channel electrowriter with tape read and punch mechanisms.	Curtiss Wright	AEL-60-1126		P/O AN/ASQ-T2
RO-160/UX	Facsimile Recorder	Direct reproduction; 12 inch wide roll. Makes direct recordings of copy transmitted from a trans-facsimile or equipment having the same transmission characteristics.	Westrex Co	N-60-Y-2129		
RO-162()/SQQ	Signal Data Recorder	Sensitized paper recording medium; 3 channels. Records the sonar signals detected by the hydrophones; also timing signals.	Sanborn Co 152-100B	N-60-n-2248		P/O AN/SQQ-19()
RO-163()/FSW-9A RO-163/FSW-9A	Fault Locating Recorder	A tape punch cradle mounted and electrically operated which automatically punches coded numbers on a tape to identify faults occuring in the electrical control system.	American Mach & Foundry 59-206-1740-2	WDD-60-2848		P/O AN/FSW-9A
RO-164()/GJQ-16 RO-164/GJQ-16	Signal Data Recorder	Recorder punches out, in binary or octal code, the usual Computer Control C-3545/GJQ-16 to Missile Guidance Computer CP-598/DJW-11. Communications and provides a record of system functions.	AC Spark Plug 7928998	WDD-60-714		U/W AN/GJQ-16
RO-166()/UP RO-166/UP	Radar Mapping Recorder-Processor-Viewer	Records radar displays and flight data information 9.5" film from CRT signal and processes film for immediate viewing.	Motorola-Scottsdale 201-40733	SIMSA-61-2042		P/O AN/TKQ-1 AN/UPD-2() U/W AN/APS-94
RO-167/A	Sound Recorder	0.25 to 1" wide magnetic tape. Records AM, FM and PDM signals. Tape speed: 7.5/15.3/60"/sec; 2 to 14 channels. Used to acquire laboratory quality data under space and environmental conditions. Response: 100 to 12,500cps at 7.5ips on AM, 0 to 2,500cps ±0.5db at 15ips on FM.	Ampex Corp 807B	N-61-m-116		
RO-168/A	Sound Recorder	0.5 and 1" magnetic tape. Records AM, FM, PDM and digital signals. Tape speed: 1.875 to 60"/sec in 6 steps; 7 and 14 channels. Used to acquire laboratory quality data under extreme environmental conditions. Response: 50cps to 0.1Mc ±0.5db at 60ips on AM and dc to 10kc ±0.5db at 60ips on FM.	Ampex Corp AR214	N-61-m 117		
RO-169()/GJQ-17 RO-169/GJQ-17	Signal Data Recorder	Punches out, in redundant binary or octal code, the usual Computer Control C-3545/GJQ-16 to Missile Guidance Computer CP-598/DJW-11. Communications and provides a record of system functions.	AC Spark Plug 7928998	WDD-60-714		U/W AN/GJQ-16
RO-170()/SPM-14	Signal Data Recorder	Provides permanent recorded printout of all displayed information during automatic checkout of radar circuitry.	Nortronics 1009147	N-61-X-244	SHIPS-A-3664	P/O AN/SPM-14()
RO-171/UX	Facsimile Recorder	12 inch wide roll type; makes direct recording of copy transmitted from a compatible transceiver.	Westrex Co	N-61-Y-310		U/W TT-323/UX
RO-172/UX	Facsimile Recorder	12 inch wide roll type; direct reproduction. Makes direct recordings of copy transmitted from a compatible transceiver.	Westrex Co	N-61-Y-311		U/W TT-324/UX
RO-175/FQA-6	Direct Writing Oscillograph	Provides galvanometer controlled light beam for recording signals on a light sensitive recording paper.	Minneapolis-Honeywell 606B-1	N-61-n-882		P/O AN/FQA-6
RO-176()/GRR-12	Monitoring Recorder	Electrical and thermal readout; 6 channels. Chart speeds: 0.4/0.8/2/4/10/20/50 and 100 inches/minute. Continuously records operation of the transmitting stations of the position fixing and navigational system.	Bendix Pacific Corp	USAEPG-18-6-1		P/O AN/GRR-12()
RO-177()/ASH-17 RO-177/ASH-17	Air Navigation Data Recorder	Prints navigational and atmospheric data on paper tape at rate of 16 lines/second.	Melpar Inc	AEL-61-342		P/O AN/ASH-17
RO-178()/ASD-3 RO-178/ASD-3	Digital Data Recorder	A magnetic tape type recorder. Used for recording digital data in operation of Electronic Reconnaissance set AN/ASD-3 and AN/ASD-3().	Shepherd Industries 108936	AEL-61-319	EXH: WWDP-60-1	P/O AN/ASD-3
RO-179/SQS-26	Signal Data Recorder	14 channel photofilm chart recording medium. Displays and records characteristics of multi-beam signals.	GE-Syracuse 731481G1	N-61-n-960		P/O AN/SQS-26
RO-180/SQS-26	Azimuth Recorder	Provides preformed beams which are scanned and displayed on paper chart recorder.	GE-Syracuse 7315303G1	N-61-n-977		P/O AN/SQS-26
RO-180A/SQS-26	Azimuth Recorder	Same description as RO-180/SQS-26. Connector plugs added.	GE-Syracuse 7317243G1	N-62-n-2334		P/O AN/SQS-26AX
RO-181()/ASA-44 RO-181/ASA-44	Signal Data Recorder	Tape recording medium. Accepts digital data from Signal Data Translator CV-1188/ASA-44, amplifies the data signals, and transmits them to CRT's in the sub-system recorders.	Internat'l Tel & Tel NUS-5072	AEL-61-346		P/O AN/ASA-41
RO-182()/ASA-44 RO-182/ASA-44	Dignal Data Recorder	Amplifies digital data signals from Signal Data Translator CV-1188/ASA-44 and transmits them with the necessary sweep signals to the CRT's in the data collection system recorders; tape recording.	Internat'l Tel & Tel NUS-5073	AEL-61-347	EXH: WCLR-58-44C	P/O AN/ASA-44
RO-183()/ASA-44 RO-183/ASA-44	Digital Data Recorder	Accepts digital data from Signal Data Translator CV-1188/ASA-44 and records these on magnetic tape using IBM format.	Shepherd Industries DT-01A	AEL-61-348	EXH: WCLR-58-44C	P/O AN/ASA-44

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
RO-184()/GSQ-53 RO-184/GSQ-53	Frequency-Time Recorder	Provides nominal ac power to other components by means of an adjustable auto-transformer. Provides a continuous graphic representation of phase difference between a local frequency standards and a stabilized VLF carrier.	Nat'l Security Agency ON017898	NSA-62-0057		P/O AN/GSQ-53
RO-185()/GSQ-55 RO-185/GSQ-55	Signal Data Recorder	Contains 19 form digit counters. Twelve of these record accelerations at various positions on the missile; six record temperatures and one records operating time in quarter hours.	United Electro-Dynamics 16193	WWD-61-3865		P/O AN/GSQ-55
RO-186()/GSM-62 RO-186/GSM-62	Signal Data Recorder	Records the sequence of launch events along with an appropriate timing scale.	Boeing Aircraft Co	WDD-61-3986		P/O AN/GSM-62
RO-187()/FPR-2 RO-187/FPR-2	Frequency-Time Recorder	20 to 600cps. Electrochemical sensitive roll chart. Used to record the frequency of target signals and time received.	Western Electric Co GS-18673	RONE-61-137		U/W OA-3510/FPR-2 MX-3649/FPR-2
RO-188/G	Oscillograph	dc to 100cps; sensitivity: 0.67mm/v; chart speed: 1/2/5/10/25/50/125/250mm/sec; 2 channels; amplitude deflection: 40mm(0 to 40cps), 20mm(40 to 70cps), 10mm(70 to 100cps). Electrosensitive paper presentation of narrow band information.	Brush Instruments RD 2622-00	ASA-61-74		U/W AM-3084/G
RO-189/G	Oscillograph	dc to 100cps; sensitivity: 0.67mm/v; chart speed: 1/2/5/10/25/50/125/150mm/sec; 4 channels; amplitude deflection: 40mm(0 to 40cps), 20mm(40 to 70cps), 10mm(70 to 100cps). Electrosensitive paper presentation of narrow band information.	Brush Instruments Rd 2642-00	ASA-61-75		U/W AM/3084/G AM/3085/G
RO-190()/GGC-8	Magnetic Transport	Provides permanent taped record of the major programs employed by the control-monitor central.	Control Data Corp 164-1	CRC-61-52		P/O AN/GGC-8
RO-193()/MPN RO-193/MPN	Assembly Recorder	Provides voice recording facilities in mobile RAPCON supplied in accordance with T.O. 31P5-2MPN11-504.	Gilfillan Bros 98364	RONE-61-222		P/O AN/MPN-16 AN/MPN-14 U/W V-195/MPN
RO-199/SPN-10	Signal Data Recorder	Sensitized paper recording medium; 8 channels. Provides permanent records of all test equipment used for the landing control central.	Bell Aerosystems 17-02140-1	N-61-b-2279		P/O AN/SPN-10
RO-200/SPN-10	Signal Data Recorder	Makes a permanent record of the following; air speed, closing speed, sink speed, altitude error, lateral error, aircraft range to touch down, deck impact velocity.	Bell Aerosystems 17-02180-1	N-61-b-2282		P/O AN/SPN-10
RO-201()/SKQ-1 RO-201/SKQ-1	Oscillograph	Records output signals of the Electrical Frequency Discriminator MD-454/SKQ-1 and the Radio Receiver R-113/SKQ-1.	Consol Electrodyam	N-61-W-2481		P/O OA-3716/SKQ-1
RO-202()/TRD-19	Azimuth Recorder	Records on hard copy; azimuth data, time, date, and position.	Intern'l Tel & Tel	SEL-61-321	SCL-5776	P/O MK-515()/TRD-4A AN/TRD-19()
RO-203()/ALD-5(V) RO-203/ALD-5(V)	Signal Data Recorder	5 channel magnetic tape type recorder. Used in recording signals consisting of video bandwidth data.	Ampex Corp 67050-10	AEL-61-1768		P/O OA-2506/ALD-5
RO-204()/MSQ-44 RO-204/MSQ-44	Printer Recorder	Works with Digital Voltmeter, ME-230/MSQ-44&() to permanently record pertinent data required for simulated bomb scoring problem.	Reeves Instrument 184850	N-61-W-2637		P/O OA-3750/MSQ-44
RO-207()/ASW-12(V)	Oscillograph	0 to 100cps; sensitivity: 1.1ma/chart line; chart speed: 5/25/125mm/sec; 2 channels; amplitude deflection: 40mm(0 to 40cps), 20mm(40 to 70cps), 10mm (70 to 100cps). Gives ink chart paper recording of servo error signals from AM-3261()/ASW-12(V).	Brush Instruments RD 232100	SIMSA-61-603		U/W AN/ASW-12(V)
RO-208/GSW-4T1	Tape Deck	1 channel, 2 speed magnetic recorder. Provides control and tape handling facilities for Recorder- Reproducer Group OA-3865/GSW-4T1.	Boeing Aircraft Co 25-29032-3	WDD-61-4560		P/O OA-3865/GSW-4T1
RO-209()/AJM-14(V) RO-209/AJM-14(V)	Signal Data Recorder	50 channel recording. One galvanometer per channel which deflects light beam focused on photographic (direct read-out) paper. Deflection proportional to amplitude of input signal.	Midwestern Inst 697247-5	AEL-62-152		P/O AN/AJM-14(V)
RO-210()/MSM-60	Test Data Recorder	Provides permanent recording of systems pre-flight checkout.	Brush Instruments RD262200	AEPG-46-62	CSD-23-59	P/O OA-3896()/MSM-60
RO-211()/GSM-84 RO-211/GSM-84	Test Data Recorder	Together with Exhaust Nozzel Control Functional Checkout Test Set TS-1850/GSM-84, it tests fault isolation and checkout of: electronic and mechanical electrical assemblies, sub-assemblies and a group of three or less modules of various exhaust nozzel control systems.	Autonetics 51980-507	WDD-62-3770		P/O AN/GSM-84
RO-212()/FPA-21 RO-212/FPA-21	Coordinate Data Recorder	Prints triplicate copies (on paper tape) of data received via electronic pulses from indicating units of a target tracking system.	Radio Corp of Amer 2130545-501	WL-62-3396		P/O OA-4164/FPA-21 OA-4161/FPA-21
RO-213()/BQR-10 RO-213/BQR-10	Signal Data Recorder	Records on electrosensitive paper the signals fed from the Sonar Receiver R-1152/BQR-10&().	Western Electric Co GS66623	N-62-n-1697		P/O AN/BQR-10
RO-214()/GMQ RO-214/GMQ	Wind Direction and Speed Recorder	Records wind direction (0 to 360°, 5° steps) and speed (0 to 75knots, 2knot steps) from T-755/GMQ-20. Single synchro eliminates repositioning and provides a better record for determining wind deviation.	Belfort Instrument 1361A	CRC-62-72		U/W T-420A/GMQ-11 T-755/GMQ-20
RO-215()/GPQ-T6 RO-215/GPQ-T6	Signal Data Recorder	Enters automatically the scores of ECCM officers based upon the speed, accuracy and efficiency by which they effect countermeasures signals. 12 channels.	Gilfillan Bros 95340	AEL-62-650		P/O OA-4368/GPQ-T6
RO-217()/TAQ	Infrared Data Recorder-Processor-Viewer	Provides the means for recording, processing and viewing of infrared data. Uses photographic film and a CRT.	HRB-Singer Inc 5722	SEL-62-308		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
RO-218()/GMQ-23 RO-218/GMQ-23	Temperature Difference Recorder	-10 to +20F° in 0.5F° increments. Wheatstone bridge arrangement with change in resistance calibrated as temperature difference in F° and recorded on a strip-chart. Response time: 6sec; chart speed: 1"/hour.	Leeds & Northrop 3-922-000-1108-6-001	CRC-62-70		P/O AN/GMQ-23
RO-223()/MSQ-51 RO-223/MSQ-51	Signal Data Recorder	30 channel inkless recorder using electro-sensitive chart; accuracy 2msec; response time: 1msec; response time: 6"/hour. Records commands of AN/SRW-4D system.	Reeves Inst 177545	NW-62-284		P/O OA-4447/MSQ-51
RO-224/SQS-26AX	Signal Data Recorder	Photofilm chart recorder; 14 channels. Displays and records characteristics of multibeam signals.	GE-Syracuse 7317263G1	N-62-n-2320		P/O AN/SQS-26AX
RO-225()/APS-94A RO-225/APS-94A	Radar Mapping Recorder	Records permanent echo and moving target radar displays and flight data information on 5" roll film.	Motorola-Scottsdale 201-42448	EMSA-62-1021		P/O AN/APS-94A
RO-226()/G RO-226/G	Sound Recorder	300 to 2500cps ±2.5db; 0.5" magnetic tape; 10.5" reel; recording speed: 1"/sec; Z: 600Ω; 10 channels. Records A/G/A radio communications in RAPCON and other ATC facilities and voice time announcement from Sound Reproducer RP-136/G&().		CRC-62-82		U/W RP-136/G RP-137/G
RO-228/MPN-T1	Signal Data Recorder Unit	Provides permanent records of all test equipment used for landing control central and is used as instrumentation for maintenance and trouble shooting similar to RO-199/SPN-10.	Bell Aerosystems 17-02140-3	N-62-b-2639		P/O AN/MPN-T1
RO-231/BQH-2C	Signal Data Recorder	Graphically presents results of spectrum analysis as variable intensity marks on electro-sensitive paper. Contains sweep oscillator and RF marking amplifier.	Western Electric Co GS-64357	N-63-N-179		P/O AN/BQH-2C
RO-232()/GSM-90 RO-232/GSM-90	Signal Data Recorder	Records data from Programmer Group OA-3388/GSW-4 and others. Chart speed: 0.4/1/5"/sec; 30 channels max.	Boeing Co	WDD-62-11951		P/O AN/GSM-90
RO-233()/DKM-7 RO-233/DKM-7	Signal Data Recorder	Provides method of recording data from flight to make preliminary evaluations prior to final data processing.	General Motors 7870501	WDD-63-6511		P/O OA-4775/DKM-7
RO-234()/GSM-95 RO-234/GSM-95	Signal Data Recorder	Records test signal data from Programmer Group OA-3388/GSW-4 and others. Chart speed: 0.4/1/5"/sec; 30 channels.	Boeing Co 25-37894-4	WDD-63-3843		P/O AN/GSM-95
RO-236()/GLR-1 RO-236/GLR-1	Signal Data Recorder	Utilizes galvanometers to reflect a focused light beam on to sensitive paper moving transverse to the beam deflection to record antenna and receiver information. Recording Speed: 0.2/1/5/25"/sec; 6 channels.	Gen Dynamics/Elec 666129-465	WL-62-6330		P/O OA-4809/GLR-1 OA-4810/GLR-1
RO-237()/GLR-1 RO-237/GLR-1	Signal Data Recorder	Utilizes galvanometers to reflect a focused light beam on to sensitive paper moving transverse to the beam deflection to record antenna and receiver information. Recording Speed: 0.2/1/5/25"/minute; 6 channels.	Gen Dynamics/Elec 666129-447	WL-62-6331		P/O OA-4809/GLR-1 OA-4810/GLR-1
RO-238()/GJQ-11 RO-238/GJQ-11	Oscillograph	Chart speed: 0.25/1/4/16/64"/sec; 18 channels. Records signals from flight control system during exercise of weapon system through a launch countdown.	Martin Co 327P1612000-009	WDD-63-6233	WDD-MS-320	U/W OA-2441/GJQ-11
RO-240()/U	Signal Data Recorder	Records two channels of serial digital data in undulator form on 0.5" dry electrosensitive paper. Recording speed: 1 to 50"/sec in 6 steps; 1000ft roll; up to 4 channels.	Nat'l Security Agency XR-3-16C	NSA-63-0031		
RO-5001()/GNH-501 RO-5001/GNH-501	Sound Recorder	0.25" acetate tape; recording time: 4.25 hours; recording speed: 1.875"/sec; head: 500mh, 100Ω.	Sonograph Eng & Mfg 03-004	CANADA RCAF 293		P/O AN/GNH-501
RO-5003()/GSH-501	Oscillograph	dc to 100cps; sensitivity: 0.95mm/v; chart speed: 1/2/5/10/25/50/125/250mm/sec and cm/hour; amplitude deflection: 40mm(0 to 70cps), 20mm(70 to 100cps); 6 channels. Makes ink chart paper or electrosensitive paper recording of electrical phenomena.	Brush Electronics BL-266V	CAN-620		P/O AN/GSH-501
RO-5004()/GSH-502	Oscillograph	dc to 100cps; sensitivity: 1.1mm/v; chart speed: 1/2/5/10/25/50/125/250mm/sec and cm/hour; 2 channels; amplitude deflection: 40mm(0 to 70cps), 20mm(70 to 100cps). Makes ink chart paper or electrosensitive paper recording of electrical phenomena.	Brush Electronics BL-262V	CAN-621		P/O AN/GSH-502
RO-5005()/GLH-501 RO-5005/GLH-501	Azimuth Recorder	Records on sensitized paper-roll, jamming signals received at any azimuth and for each rotation of antenna.	Alden Electronics 319A	RCAF 2063		P/O AN/GLH-501 U/W AN/FPS-6B AN/FPS-507
RO-5006()/UNH-501	Sound Recorder	Magnetic recording; 2 channels. Used to record frequencies from 50 to 10,000cps on dual track magnetic tape.	Ampex Electric AR-102	RCAF 1135		U/W AN/UNH-501
RO-5007/WQM	Radiation Pattern Sonar Recorder	Provides facilities for directly recording signal amplitude as a function of sonar transducer bearing portable recorder.	Edo Canada Ltd Pr-2	CAMESA-159	CD176948 Appendix B	
RO-5008()/FSH-501 RO-5008/FSH-501	Light-Time Recorder	Photographs automatically the electrical pulse displayed on the face of a cathode ray tube. Records the time and approximate direction of the flash. Requires 10sec to develop the film developing portion of a Poleroid Land Camera with lens and shutter unmoved.		CA-62-542	CA-A155 Issue 1	P/O AN/FSH-501

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SG-1()/ARN SG-1/ARN	Signal Generator	105 to 135Mc. Output: 0.1μv to 0.1v. Modulation: external AM and variable phase 60cps with a 10kc sub-carrier, FM with fixed 60cps phase voltage to deviation ratio of 8. Output meter.		ARL-48-62		U/W AN/ARN-14 RC/103-()
SG-1A/ARN	Signal Generator	88 to 140Mc, 110.1 to 114.9Mc in 10kc steps. Output: 0.1μv to 0.2v. Modulation: internal and external. Meters for oscillator frequency calibration and output voltage.	Boonton Radio Corp	AEL-51-76		U/W AN/ARN-14() RC-103-()
SG-2()/GRM-4 SG-2/GRM-4	Signal Generator	329.3 to 335Mc, 20 channels. Crystal control 15 to 30Mc for IF testing. Output: 1μv to 0.1v across 53Ω. Modulation: tone modulated CW; 90, 150, and 1000cps internal. Can be externally modulated. RF output is crystal controlled and monitored for amplitude and percent modulation.		AEL-51-124		P/O AN/GRM-4
SG-2A/GRM-4	Signal Generator	Same description as SG-2/GRM-4.	Trad Electronics Corp	AEL-56-1284	MIL-S-4249	P/O AN/GRM-4
SG-3()/U SG-3/U	Signal Generator	50 to 400Mc ±1% in 3 bands. Output: 0.1μv to 0.1v ±2db. Output Z: 50Ω. SWR: less than 1.5. Modulation: FM internal 1, 1.6, 20 and 68kc, can be external from 250cps to 70kc ±0.5%.	Measurements Corp H-4487	USA SCLC-8235	MIL-S-11107 (Sig)	P/O AN/URM-70() U/W AN/TRC-24()
SG-4()/U SG-4/U	Signal Generator	6250 to 6575Mc. FM modulation 1kc internal. Has a target generator: 50 to 500 yard range.	Raytheon Mfg Co A-104-1	USN	RX-1737 Raytheon	U/W SO-5
SG-5()/U SG-5/U	Signal Generator	1 to 10Mc and 38 to 50Mc ±1%. Output: 0.1μv to 1v. Modulation: AM and FM internal. 0.1/0.4/1/4 and 10kc 0 to ±300kc deviation.	Boonton Radio Corp 155-A	USN USMC		
SG-5A/U	Signal Generator	1 to 13Mc and 38 to 50Mc ±0.1Mc or ±2%. Output: 0.1μv to 0.1v. Modulation: same as SG-5/U.	Boonton Radio Corp 155-B	USN		U/W PP-483/U
SG-6()/U SG-6/U	Signal Generator	1.9 to 4.5Mc and 19 to 45Mc ±0.03%. Output: 0 to 0.1v Modulation: 0.15/0.5/1/2/5/5kc internal FM.		USMC USN		
SG-7()/DPN-1 SG-7/DPN-1	Pulse Generator	1.9 to 2.1kpps ±1%. Output: 2+ and 1- pulse. Triggers receiver and other sections of radar set when transmitter is not operating. Also supplies forerunner pulses to oscilloscope or signal generator.	Western Electric Co	USN	ORD-638 (BuOrd Pub)	U/W AN/DPN-1()
SG-8/U	Noise Generator	10 to 400Mc. Noise due to "Shot Effect".	Espey Mfg Co	WL-45-R-2134	7524 (USAF)	
SG-9()/U	Signal Generator	20 to 200Mc ±1% in 3 bands. Output: 0 to 1v. Z:50Ω. Modulation: 400 and 1000cps internal, can be external AF up to 30% AM. Meter for output.		ARL-47-11		U/W AN/ARC-20()
SG-10()/U	Signal Generator	Cancelled 2 August 1948.		ARL-48-C405		U/W AN/ARC-19()
SG-11()/UG	Signal Generator	14 to 500kc ±1%. Output: 0 to 1v. Output Z: 50 and 500Ω. Modulation: FM internal 0 to ±3000cps. Used to test various radio teletype receiver converters like Navy: FRA, FRC, FRE, FRF, FRG, FRH etc. 0 to 250cps key speed.		USN		
SG-12()/U SG-12/U	Signal Generator	20 to 102Mc in 5 bands and 9 fixed frequencies. ±0.5% Output: 10μv to 1v ±2db. Output Z: 10Ω. Modulation: FM 1kc internal, can be external 0 to 50kc deviation for below 50Mc and 0 to 100kc for 50 to 100Mc.	ARF Products	USA SCLC-8849	MIL-G-10484A (SigC)	
SG-12A/U	Signal Generator	1 to 20Mc ±0.005% and 20 to 100Mc ±0.01%. Output: 10μv to 1v. Output Z: 25+joΩ or ±10 ±j25Ω. Modulation: FM internal 1kc, can be external with 0 to 100kc deviation.		SCLM-1316		P/O AN/URM-48
SG-13()/ARN SG-13/ARN	Signal Generator	105 to 138Mc and 4 fixed frequencies ±0.005%. Output: 1μv to 0.1v. Modulation: AM internal 90 or 150cps antenna radiation.		ARL-47-156		U/W AN/ARN-14()
SG-14()/UP	Calibrator	100kc fundamental. Calibrating sweep speeds up to 5Mc. Marker pulses at 100kc. 1 and 5Mc.	Thermionic Eng Co	W1-45-881		
SG-15/PCM	Signal Generator	0.2 to 35kc ±0.5db. Output: -54 to +26dbm. Output Z: 600Ω. BFO.	Contelco 5490	SCL-8002	71-3354 USA	P/O TS-140()/PCM U/W ME-22()/PCM
SG-15A/PCM	Signal Generator	Same description as SG-15/PCM.	Teltronics Labs	USA SCLM-7375	MIL-T-12643 (SigC)	P/O TS-140()/PCM
SG-16()/TRM-2	RF Signal Generator	100 to 200Mc in 180kc channels and 200 to 400Mc in 100kc channels. ±0.001%. Modulation: internal crystal 0.2/0.5/1/2/4kc at 50%. Output: 1μv to 0.1v, Z: 50Ω.	Radio Corp of Amer 8876411-501	USN	BuAer XEL-62	P/O AN/TRM-2()
SG-17()/U SG-17/U	RF Signal Generator	5 to 400Mc in 5 bands and 270 to 340Mc. Accuracy: ±0.5%. Modulation: AM internal 0.4 to 1kc 0 to 30%. May be pulsed by 1μsec pulses.	Measurements Corp X-171A	USN		U/W AN/APS-20
SG-18()/U SG-18/U	Pulse Generator	3 to 6kc. Pulse width: 3 to 40μsec. Output: 0 to 25v pulse output 150v. Similar to OCD Video Signal Generator but improved design and miniaturized.	Gen Communications P-220	USN		U/W LX-1
SG-19()/U SG-19/U	AF Signal Generator	20cps to 20kc in 3 ranges. ±1db (up to 15kc). Output: 1w or 22.5v into 500Ω resistive load.	Hewlett-Packard 200B	USN		
SG-20()/U SG-20/U	RF Signal Generator	75kc to 30Mc ±0.5% in 6 bands. Output: 0.1μv to 2.2v. Modulation: AM internal 0.4 or 1kc, 0 to 100%.	Measurements Corp 65-B	SCL-6658		
SG-21()/U SG-21/U	AF Signal Generator	10 to 50cps in 20cps steps. Vibrating reed control. Min output: 10v. For radiosonde meter calibration.	Seaboard Electric 4968	USN	CS-848 (NAVY)	
SG-21A/U	AF Signal Generator	Range: 26 fixed frequency from 10 to 500cps ±0.5%. Output at least 70p-pv across 100kΩ, ±2db over entire range. Output Z: 200Ω.	Seaboard Electric	USA USN	MIL-A-16170 (SHIPS)	
SG-21B/U	AF Signal Generator	10 to 250cps or 20 to 500cps, ±0.05% on either. Tuning fork control. Output Z: 0.1 to 1MΩ. Output: 70p-pv.	Amer Time Products	USA USN	161704 (SHIPS)	

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SG-21C/U	Signal Generator	10 to 500cps ±0.05% 2 bands. Output: 70p-pv square wave into 100kΩ load. Electro-mechanical frequency controlled. U/W radiosonde receiving and recording equipment.	Elion Instruments 401-107	N-61-Y-1487	MIL-G-16170D (SHIPS)	
SG-22()/U SG-22/U	RF Signal Generator	40 to 200kc. Output: 200w RF. Needs external rectifier.	General Electric ML-7353055-G1	USN	CS-724 (NAVY)	P/O AN/FRT-4
SG-23()/U SG-23/U	Interference Generator	2kc with harmonics to 400Mc. Approximately 1kc prf. Output: modified sawtooth 250 to 300v max, 50msec.	Radio Frequency Labs HB-2500	USA USN	MIL-T-15559A (SHIPS)	P/O AN/USM-3A
SG-24/TRM-3	Sweep Generator	15 to 400Mc ±1% in 6 bands. Output: 0.1μv to 0.1v Z: 50Ω. Modulation: FM, AM and CW. FM; ±2 to ±20% deviation. AM; non-swept. Has oscilloscope for visual display.	Transitron Electronics C-0132-01403	55-1756	MIL-S-8663	P/O AN/TRM-3
SG-26()/U SG-26/U	Sweep Generator	40cps to 10kc governed by 20 sync pps. Photo electric control. Output: 7v open circuit, 50mw or 5v into 500Ω.	Clarkstan Corp 125	USN		
SG-27()/U	RF Signal Generator	50 to 220kc ±2%. FM 0 to 50kc. Loran wobbulator aligns and tests Loran receivers. CRT display.		WL-45-1625		
SG-28()/U	RF Signal Generator	50 to 220kc ±0.1% in 2 bands. Crystal control. 400cps sine wave and pulse internal modulation simulates Loran signals.	Browning Labs Inc	WL-45-1626		
SG-29()/U	RF Signal Generator	Cancelled 5 August 1952.		USA WL-52-C-1823	WLENG-1161	
SG-30()/UP SG-30/UP	Pulse Generator	20cps to 20kc int and ext sync. 0.22 to 22μsec wide ±10%. Output: 0.5 to 50v, Z: 1kΩ. 2 to 200μsec delay. ± output triggers. Markers.	Electric Products Inc SG-30/UP	USA USN	MIL-G-7789 (Aer)	P/O AN/UPM-55
SG-30A/UP	Pulse Generator	20cps to 20kc. Width: 0.22 to 22μsec ±10%. Internal and external synchronization. Output: ±0.5 to ±50v pulses. Output Z: 1kΩ. Self contained CRT indicating circuit.	Schaevitz Engineering	N-59-ah-2555		P/O AN/UPM-55A
SG-32()/TRM-1 SG-32/TRM-1	Signal Generator	190kc to 30Mc ±0.5% in 5 bands. Output: 2.5μv to 0.1v ±20%. Output Z: 50Ω. Modulation: AM, 1kc internal, 0.2 to 6kc external, 0 to 60%.	Trad Television Corp 102-D-552	USN		P/O AN/TRM-1
SG-33()/TRM-1 SG-33/TRM-1	Signal Generator	50 to 400Mc ±0.5% in 3 bands. Output: 2.5μv to 0.1v ±20%. Output Z: 50Ω. Modulation: AM, 1kc internal, or 0.2 to 6kc external, 0 to 60%.	Trad Television Corp 102-D-757	USN		P/O AN/TRM-1
SG-34()/GPM-15 SG-34/GPM-15	Signal Generator	0.1 to 1.95Mc in 6 bands. Output: 15μv, 1mv, 1v. Modulation: CW or pulse.	Bruno NY Ind Inc	USAF AEL-55-R-570	MIL-G-4477	P/O AN/GPM-15
SG-35()/DPW-1	Pulse Generator	0.1 to 2kpps. 0.2μsec wide and 100v amplitude. Needs 5v trigger. Additional output triggers SCR-584-().		ESL-3783		U/W TS-155()/UP
SG-36()FPQ-1	Pulse Generator	Establishes prf and sync for radar ranging system. Output: 35v, 2μsec pulses, 1, 10 and 100μsec marker pulses. Crystal frequency standard.	Oklahoma A&M Res Fnd 346	AEL-50-R532		P/O AN/FPQ-1() U/W OA-158()/FPQ-1
SG-37()/FPQ-1	Pulse Generator	Establishes prf and sync of radar ranging systems. Output: 35v, 2μsec pulses at 569/sec, 400, 4000 and 40,000 yard marker pulses. Crystal frequency standard.	Oklahoma A&M Res Fnd 347	AEL-50-R533		P/O AN/FPQ-1() U/W OA-158()/FPQ-1
SG-38()/URM-15 SG-38/URM-15	RF Signal Generator	225 to 400Mc ±2%. Output: 20mv max. Modulation: CW or MCW, internal 1kc AM. Aids in servicing and aligning RT-173/ARC-33.	Bendix Radio OR 200390-1	AEL-51-R13		P/O AN/URM-15
SG-39()/U	RF Signal Generator	1.22 to 1.35kMc ±1% or better. Can be pulsed by radar system under test. Output: ma meter. 5 mile ranging pulses obtained from 50μsec mercury delay line.	Pitometer Log Corp	USN		
SG-40()/PRM-9	RF Signal Generator	3000Mc fixed frequency and 2650 to 3000Mc variable. Cancelled 5 September 1952.		WL-45-1768		P/O AN/PRM-9()
SG-41()/PRM-3 SG-41/PRM-3	Pulse Generator	Converts impulses of light into pulsating dc square wave ±0.5v. Prf 10/sec.	Alden Products 9071S13-5-500	USN		P/O AN/PRM-3
SG-42()/URM-18 SG-42/URM-18	Signal Generator	0 to 5kc ±2cps. Output: 0 to 10v. Output Z: 600Ω. Output meter can be beat indicator.	General Radio Co 1107A	USA SCL-12143		P/O OA-166()/URM-18
SG-44()/URM-25 SG-44/URM-25	RF Signal Generator	10kc to 50Mc ±0.5%, 8 bands. Modulation: internal, AM, 400 and 1000cps; external, 0 to 80%. Output: 0.05 to 50,000μv calibrated; Z: 53.5, 500 and 0 to 90,000Ω.	Federal Mfg & Eng	USN	CS-1229 (BuShips)	P/O AN/URM-25
SG-44A/URM-25	RF Signal Generator	Same Description as SG-44/URM-25.	Federal Mfg & Eng	USN	MIL-R-15281	P/O AN/URM-25A
SG-44B/URM-25	RF Signal Generator	Same description as SG-44/URM-25. Also, crystal calibrator circuit and external 400 and 1000cps output provided.	Federal Mfg & Eng 315-249	USN		
SG-44C/URM-25	RF Signal Generator	Same description as SG-44/URM-25.	Federal Mfg & Eng 315-249	USA USN	MIL-R-15281 (SHIPS)	
SG-45()/URM-26 SG-45/URM-26	RF Signal Generator	3 to 405Mc ±0.5%, 6 bands, not crystal controlled. Modulation: internal, 400 or 1000cps ±0.5%; external: 0 to 50% (pulse or sine wave). Output: 0.1 to 50,000μv calibrated, ±10% max variation (3 to 100Mc), ±20% (100 to 405Mc); Z: 50Ω.	Federal Mfg & Eng	USN	CS-1223 (BuShips)	P/O AN/URM-26
SG-45A/URM-26	RF Signal Generator	Same description as SG-45/URM-26.	Measurements Corp	USA USN	MIL-S-15463 (SHIPS)	P/O AN/URM-26A
SG-46()/UPM-12	RF Signal Generator	7050 to 10,000Mc ±0.1%. Modulation: internal, square wave, 300 to 1500cps; provisions for external. To measure VSWR of RF systems of various radar sets.	Polytechnic Res & Dev	WL-45-2437	EXH: WLENG-1144B	P/O AN/UPM-12()

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SG-47()/USM-16 SG-47/USM-16	RF Signal Generator	10 to 440Mc ±0.5%. Internal crystal calibration to 1000cps anywhere in band and to 200cps at check points. Output: 0.25 to 100,000μv; -6 to -120dbm; Z: 50Ω. Modulation: CW and FM, 400 and 1000cps internal and 80 to 5000cps external (deviation from 7.5 to 75kc); sweep: 0 to 7.5Mc in 3 decades; pulse: 50 to 5000pps, 1 to 30μsec duration, 1 to 100μsec delay.		USA AEL-53-R614	MIL-S-4071	P/O AN/USM-16
SG-48()/UR	RF Signal Generator	200 to 400Mc in 50kc steps; crystal controlled. Modulation: internal, 0.2/0.5/1/2/4kc. Output: 0 to 1v calibrated; -147 to +13dbm across external 50Ω load in 9 ranges. U/W communications receiving equipments.	Maryland Electronics	USN	BuAer XEL-82	
SG-49()/U	Pulse Generator	0 to 1000Mc, 0 to 800Mc calibrated, 15 to 3000pps, no sync. Output: 0 to 125v, positive or negative, 0.001μsec width. For calibration of radio interference measurement equipment.		SCL-8781		
SG-50(XN-1)/ARN	RF Signal Generator	406 to 550Mc ±0.01%. Output: 0 to -126dbm ±2dbm, Z: 50Ω. Modulation: FM internally or externally.	Collins Radio	USN	BuAer	U/W AN/ARW-56
SG-50()/ARW	RF Signal Generator	400 to 549Mc ±0.01% on even Mc. Modulation: FM at 400 and 1000cps internally; 0 to 300kc deviation with external modulation. Output: 1μv to 2v with ±1db max variation over range. Includes compressor for use with R-423/ARW-56 and KY-52/ARW or R-425/ARW-59 and KY-55/ARW.	Collins Radio 1759D7969	USN	XEL-153 (BuAer)	
SG-51()/U SG-51/U	Interference Generator	Random RF pulse output using buzzer.		AEL-50-574		U/W AN/APN-19,60
SG-53()/FRT-10 SG-53/FRT-10	Signal Generator	90 to 350kc ±0.03% unmodulated, to deliver RF power.	Westinghouse Electric 55-A-3070	USN	CS-1178 (BuShips)	P/O AN/FRT-10
SG-54A/URM-33	Signal Generator	1 to 2.3kMc ±1%. Output: 0 to -150dbm. Output Z:50Ω. Modulation: CW and pulse, internally modulated 1kpps, pulse width 1.5μsec.		AEL-59-1119	MIL-S-26765	P/O AN/URM-33A
SG-55A/URM-34	Signal Generator	2.15 to 4.6kMc ±1%. Output: 0 to -100dbm. Output Z: 50Ω. Modulation: CW and pulse, internally modulated 1kpps, pulse width 1.5μsec.		AEL-59-1116	MIL-S-26820	P/O AN/URM-34A
SG-56A/URM-35	Signal Generator	4450 to 8000Mc ±1%, continuously tunable. Modulation: CW and pulse; internal, 1000pps, 1.5 ±0.25μsec width. Output: 0 to -80dbm ±3db. For preflight, "go-no-go" check of search receivers and direction finding systems.		AEL-57-815	MIL-S-26821	P/O AN/URM-35A
SG-57A/URM-36	Signal Generator	7850 to 10,750Mc ±1%, continuously tunable. Modulation: CW and pulse; internal, 100pps, 1.5 ±0.25μsec width. Output: 0 to -80dbm ±3db. For preflight, "go-no-go" search receivers and direction finding systems.		AEL-57-819	MIL-S-26822	P/O AN/URM-36A
SG-58()/U SG-58/U	Pulse Generator	300, 550 and 2500cps internally synchronized; 0 to 24kv negative pulse; .5, 1.75 or 2.5μsec width; 800Ω Z.	Westinghouse-Baltimore DL-7504224	USN		U/W RT-167/APS-21
SG-58A/U	Pulse Generator	Special purpose pulse generator designed to season the type 4J50 magnetron under actual operating conditions in order to eliminate arcing and erratic operation.	Model Engineering Mfg	USN		
SG-59()/U SG-59/U	Signal Generator	175 to 250Mc ±0.5%. Modulation: AM and FM, 50/100/400/1000/5000/7500/10,000/15,000cps internal; provisions for external, 0 to 50% and 0 to 240kc deviations.	Boonton Radio Corp 202-D	USA SCLC-5875		U/W AN/TRC-8()
SG-60()/USM-27 SG-60/USM-27	Signal Generator	120 to 4000cps ±20% pulse repetition frequency; internal and external sync. Output: 60v positive, 70v negative pulse; 0.5 to 11μsec width. Provides facilities for external triggering.	Harvey-Wells Elec	USN		
SG-60A/USM-27	Signal Generator	Same description as SG-60/USM-27 & ().	Harvey-Wells Elec	USA USN		P/O AN/USM-27A
SG-60B/USM-27	Signal Generator	Same description as SG-60/USM-27 & ().	Specialty Assby & Pkg	USA USN	MIL-G-15473C	P/O AN/USM-27B
SG-62()/FPS-6 SG-62/FPS-6	Interference Generator	2700 to 2900Mc, no sync. Noise level: 6 to 16db. RF noise: 3 to 4Mc wide, tunable. For receiver noise figure and evalutation tests. Mounted in Radar Set Control C-1003/FPS-6 & ().	GE-Syracuse ML-7603281	WL-51-1671 (USAF)	WLENG-249	P/O AN/FPS-6
SG-63()/UPM-10 SG-63/UPM-10	Pulse Generator	Internal and external sync. Output: square wave and CW; amplitude: 25v; width: 0.55 ±0.05μsec; 1.0 ±0.1μsec, 2.35 ±0.1μsec and 0.2 to 5μsec.	Gen Communications	USN		P/O AN/UPM-10
SG-63A/UPM-10	Pulse Generator	Same description as SG-63/UPM-10 & ().	Gen Communications E-50932-2	USN		
SG-63B/UPM-10	Pulse Generator	Same description as SG-63/UPM-10 & ().	Lewyt Mfg Co 15802	USN	SHIPS-T-1661	P/O AN/UPM-10B
SG-64()/UPM-4A SG-64/UPM-4A	Signal Generator	950 to 1225Mc, 1 band. Cancelled 7 December 1951. Reassigned SM-45/UPM-4A.		USN	MIL-R-15550	P/O AN/UPM-4A
SG-65()/UPM-4B SG-65/UPM-4B	Signal Generator	Cancelled 7 December 1951. Reassigned SM-46/UPM-4B.		USN	MIL-P-15550 (SHIPS)	P/O AN/UPM-4B
SG-66()/ARM-5 SG-66/ARM-5	Signal Generator	108 to 132Mc ±0.005%, 2 fixed frequencies, crystal controlled. Modulation: AM plus FM, or AM; internal, 30cps and 9960 ±480 cps superimposed, voice modulation and 90/150cps; external, to 100%. Output: 0 to 10,000μv and 1v; Z: 50Ω. For testing VHF navigational receiving equipment.	Aircraft Radio Corp H-14	USA USN		
SG-66A/ARM-5	Signal Generator	Same description as SG-66/ARM-5 & ().	Aircraft Radio Corp H-14	USN		

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SG-67()/FPS-8 SG-67/FPS-8	Signal Generator	100 to 2500Mc, 325 to 395cps pulse repetition rate, external sync. Recurrent series of damped rectangular waves having half period of 300μsec. Provides pre-set equivalent noise level above thermal noise for measurement of radar receiver noise figures.	General Labs Assoc 5100-3	USA WL-54-R-1518	ENG-271	P/O R-524/FPS-8
SG-68()/FPS-8 SG-68/FPS-8	Pulse Generator	300 to 400cps, external sync. Output: square wave; amplitude: controllable, positive; resistance: 300Ω; width: 0.5 to 50μsec. Pulse suitable as trigger by an associated interference generator.	General Labs Assoc GLA 5100-4	WL-56-R-2580		P/O R-524/FPS-8
SG-69/PPM-1	Pulse Generator	50 to 5000pps, internal and external sync. Pulse width: 0.07 to 10.0μsec ±10%. Output: 50 volt positive or negative across 50Ω, 25 volt negative and 40 volt positive across 200Ω. Output Z: 50Ω. Rise and decay time: 0.02μsec. Crest voltage variation: less than 5% at 50 volts. Attenuator: 0 to 50db.	Hewlett-Packard 212A	USN		
SG-69A/PPM-1	Pulse Generator	50 to 5000pps; 0.07 to 10.0μsec ±10% pulse width; internal sync; rise and decay time: 0.02μsec; crest voltage variation less than 5% at 50v output. Attenuator: 0 to 50db in 10db steps. Output continuously variable to greater than 10db. Output pulse may be delayed to 100μsec or advanced to 10μsec from sync pulse.	Hewlett-Packard 212A	N-59-n-645		
SG-69B/PPM-1	Pulse Generator	50 to 5000cps. Output: ±50v peak into 50Ω. Pulse width: 0.07 to 10μsec. Built in delay and advance sync out circuits. Internally and externally synchronized.	Hewlett-Packard 212A	SIMSA-60-196		P/O AN/PPM-1A
SG-70()/G	Interference Generator	Audio to 35kMc. Range: 120 to 6000pps. Z: 50Ω. Pulse width: 13μsec. Furnishes measure of noise figure.	Purdue Res Foundation X51D5525	USA WL-51-2432		
SG-71()/FCC SG-71/FCC	Signal Generator	50 to 500,000cps ±2%, 4 bands. Modulation: external, 150 to 2500cps; jacks for telephone test set modulation. Output: 3w into 600Ω unbalanced, 6v into 600Ω balanced; ±2db max variation. Output Z: 600Ω. Test tone source for use with open wire carrier telephone systems.	Hewlett-Packard 233A	USA SCLC-5940		U/W AN/FCC-5() AN/FCC-6()
SG-71A/FCC	Signal Generator	Same description as SG-71/FCC & ().	Hewlett-Packard 233A	SCLM-1294		U/W AN/FCC-5() AN/FCC-6()
SG-71B/FCC	Signal Generator	50cps to 500kc ±1% in 4 bands. Output: 0 to 6v ±1db. Output Z: about 6Ω.	Hewlett-Packard 233A	SESA-60-119		U/W AN/FCC-5() AN/FCC-6()
SG-72()/USM-30 SG-72/USM-30	Signal Generator	20cps to 200kc, 4 bands; output: 0 to 10v variable.		AEL-52-R782	MIL-G-4500	P/O AN/USM-30
SG-73()/MPS-4 SG-73/MPS-4	Interference Generator	6000 to 8000Mc; fluorescent lamp noise source. Output: 15.84db above thermal noise at 32°C.	Hazeltine Electronics LA-1398-1	USA USN		P/O MX-1104/MPS-4
SG-74()/U SG-74/U	Signal Generator	2 to 66.6cps in fixed frequencies; 21v max output.	Westinghouse-Baltimore 51-C-4386	USA USN		U/W AN/APM-65
SG-75()/MPN-5 SG-75/MPN-5	Pulse Generator	1.2 and 2.4kMc fixed frequencies. Output: 2 pulses interlaced each 25 to 50v. 1μsec wide. Output Z: 75Ω.	Bendix Radio OR200938-2	USA USN	R-1012A	P/O AN/FPN-28 AN/MPN-5
SG-77()/U	Signal Generator	100kc to 200Mc ±1% in 10 bands (±0.1% with crystal calibrator). Output: 1μv to 0.1v or 0.15v to 1v. Output Z: 50 or 200Ω. Modulation: AM, FM, 100/400/1000/2000/5000/8000cps internal modulation. External modulation possible. Internally synchronized.		USA SCLC-5404		
SG-82()/U SG-82/U	Pulse Generator	10kc to 50Mc in steps. Output: 250Ω max Z. External synchronization.	Teletronics Labs	SCLS-3581	MIL-C-12635 (SigC)	P/O OA-484()/FSM-3
SG-83()/U	Signal Generator	18cps to 500kc in 5 bands. Output: -50 to +20dbm. Includes output monitor with calibrated meter.	Sperry Gyroscope Co 1000162	USA SCLC-5693		P/O AN/GCM-1() U/W ME-83()/U
SG-85()/URM-25D SG-85/URM-25D	Signal Generator	10kc to 50Mc ±0.5% in 8 bands. Output: 0.1μv to 0.1v ±1db. Output Z: 50Ω. Modulation: AM, 400 and 1000cps internal; 0 to 50% external with BNC fitting.	Trad Television Corp 107-C-446	USA USN	MIL-R-152 (SHIPS)	P/O AN/URM-25D
SG-88/AMP-73	Signal Generator	50cps fixed. Output: 0.5w max. Output Z: 230.2Ω. Signal represents antenna nutation information.	Sperry Gyroscope Co 1000162	USN		P/O AN/APM-73 U/W AN/APQ-51
SG-89()/UP	Pulse Generator	29 to 31Mc ±10%. Output: 200 to 6000pps, external sync. 0.2 to 10μsec width. 1mw amplitude. Output Z: 50Ω. Tests MTI radar receivers.	Lab for Electronics	USA WL-53-1645	ENG-1499	
SG-90()/UP	Pulse Generator	200 to 6000pps prf for MTI systems.		WL-53-1646	ENG-1500	
SG-91/U	Signal Generator	54 to 216Mc in 2 bands. Output: 0.1μv to 0.2v. Output Z: 53Ω. Modulation: AM and FM, internal 50, 100, 400cps and 1, 5, 7.5, 10, 15kc; provision for 0 to 50% external modulation and 0 to 240kc deviation.	Boonton Radio Corp 202B	USA USN		
SG-92()/U SG-92/U	Sweep Generator	50kc to 950Mc ±1%. Internal and external sync. Output: FM-RF signal with adjustable center frequency swept at 30Mc. Output Z: 50Ω. Either 5 or 100mv open circuit. A "Wobbulator"	Kay Electric Co	USA SCLM-7276		
SG-93/URM-75	Sweep Generator	5 to 220Mc in 2 bands. Internal sync. Frequency marker control. Output: sine wave FM. Output Z: 75Ω. Has oscilloscope for visual alignment.	Philco Corp 7008	USA USN		P/O AN/URM-75
SG-95/MPQ-25	Pulse Generator	365 to 1707cps. External sync. Output: PM, +75v, 1 to 1.5μsec width. Output Z: 50Ω.	Jet Propulsion Labs 3106	ORDDW-23 57		P/O OA-652/MPQ-25
SG-96()/FRC SG-96/FRC	Sweep Generator	1.7 to 2kMc. Sweep width adjustable 0 to 80Mc. Output: 30mw into 50Ω (CW), 3db max variation over 50Mc. 6.8kc fixed pulse repetition if desired.	GE-Syracuse UZ-1-A	USA SIGLP-5 2S-11		U/W AN/FRC-23 AN/FRC-26
SG-97()/FRC SG-97/FRC	Signal Generator	0.8 to 2.1kMc ±1%. Output: CW, FM or pulsed at 1mw or 0.223v to 0.1μv, continuously monitored. Output Z: 50Ω VSWR: 1.4.	Hewlett-Packard 614A	USA SIGLP-5 2S-5		U/W AN/FRC-23 AN/FRC-26

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SG-98()/MSM-4 SG-98/MSM-4	Audio Frequency Oscillator	200 to 6400cps range, power output: 100mw. Cancelled 14 January 1957.		USA ORDTU-129	JPL 3534-B	P/O AN/MSM-4
SG-101()/MRQ-6 SG-101/MRQ-6	Signal Generator	6cps to 6kc in 6 bands, 0 to 100μw output calibrated. Cancelled 11 July 1955.		ORDTU-190	JPL 3252	P/O AN/MRQ-6
SG-102()/U SG-102/U	Interference Generator	50 to 220Mc; 0 to 16db at 50Ω, 0 to 23.8db at 300Ω.	Kay Electric	USA ORDTU-48-54		P/O Corporal Missile
SG-103/URM-25F	Signal Generator	10kc to 50Mc ±0.5% in 9 bands. Output: 0.1μv to 0.1v ±10%. Output Z: 50Ω. Modulation: AM 400 and 100cps internal. Can be externally modulated. 0 to 80%.	New London Inst Co 162-E-333,345;162-C-246	USN		P/O AN/URM-25F
SG-104()/G SG-104/G	Signal Generator	450 to 1200Mc ±1%. Output: 0.1μv to 0.5v. Modulation: AM and/or FM. internal; 400 and 1000cps 0 to 90%. Can be externally modulated. P/O Corporal Missile ground guidance test equipment.	Hewlett-Packard 612A	USA ORDDW-55-54		
SG-105()/MPQ-25 SG-105/MPQ-25	Signal Generator	0.01 to 1200cps in 5 bands; 30v p-p output, low frequency function generator. Cancelled 15 August 1955.		USA ORDTU-40-54		P/O Corporal Missile U/W AN/MPQ-25
SG-106()/U SG-106/U	Signal Generator	25cps to 1Mc ±3% of fs in 9 bands. Output: 0 to 100 peak to peak volts. Output Z: 600Ω.	Tektronix Inc 105	USA ORDTU-163-54		U/W AN/MPQ-25
SG-107()/MSA-6 SG-107/MSA-6	Signal Generator	Audio, 20cps to 20kc, 3 bands, 10v output into open circuit.	Hewlett-Packard 206A	ORDTU-44-54		P/O Corporal Missile U/W AN/MSA-6
SG-108()/U	Signal Generator	400 to 600Mc ±0.5%. Output: 0.1μv to 0.1v. Output Z: 50Ω. Modulation: FM; 1, 1.6, 20 and 68kc internal. Can be externally modulated with 0 to 400kc deviation.		SCLC-10618	SCL-1639	
SG-111/URM-25E	Signal Generator	10kc to 50Mc ±0.5% also 3 fixed frequencies. Output: 0.1μv to 100mv ±10% into 50Ω. Modulation: AM; 400 and 1000cps internal 100 and 15,000cps 0 to 50% external.	Harvey-Wells Elec D-90B1500-501 D-90B1479-501	USN	MIL-R-15281 Amend 6	U/W AN/URM-25E
SG-112/URM	Interference Generator	0 to 5kMc, 2 to 10cps prf. Internal sync. Output: v is flat/unit bandwidth to 5kMc ±10%. Output Z: 50Ω.	Stoddart Aircraft 90819-1	USN		
SG-113()/MSE-2 SG-113/MSE-2	Signal Generator	For missile launching set.	Western Electric Co 8004358	USA ORDDW-321-54		P/O AN/MSE-2
SG-114()/U	Signal Generator	19 to 102Mc in 5 bands also 9 fixed frequencies. Output: 0.05μv to 0.01v ±25%. Output Z: 10Ω except on fixed frequencies where Z: 25Ω. Modulation: FM; 1kc internal, 100cps to 20kc external.	ARF Products	SCLC-8809	SigC SCL-1406	
SG-116()/DSM SG-116/DSM	Signal Generator	400cps 0 to 16v output, modulated 0.05 to 10cps, for autopilot test.	Cook Electric Co CVSG-2	USN	MIL-T-954A CV-1050	P/O AN/DSM-13
SG-117/URM-26B	Signal Generator	4 to 405Mc ±0.5% in 6 bands. Output: 0.1mv to 100v ±10% to 100Mc. Output Z: 50Ω. Modulation: AM; 400 and 1000cps ±5% internal, 0 to 50% external.	Trad Television Corp 118-D-16	USA USN	MIL-S-15463A (SHIPS)	
SG-118()/MRQ-7 SG-118/MRQ-7	Signal Generator	250cps to 100kc ±1% in 5 bands. Output: 20v max 0.5% distortion. Output Z: 600Ω. Feed back type oscillator.	Gilfillan Bros 8130057	USA ORDTU-140-54		P/O AN/MRQ-7
SG-119()/MSQ-1A SG-119/MSQ-1A	Signal Generator	60cps fixed. Output: 18p-pv. This generator also clips positive and negative peaks of the wave for purposes of reference voltages for slant range, ground speed, and air speed potentiometers.	Reeves Inst 131150	USA WL-54-1110	RADC-2292	P/O OA-744/MSQ-1A
SG-121/URN-3	Pulse-Sweep Generator	Simulates the output of one or more AN/ARN-21 by supplying pulse pairs to Radio Set AN/URN-3(XN-) through a suitable RF signal generator. Also provides 20v sawtooth at 39.840/ 40.160/ 45.454 or 47.620cps.	Fed Tele & Radio Corp	USN		U/W AN/URN-3(XN-)
SG-121A/URN-3	Pulse-Sweep Generator	40 to 4000cps prf. Internal and external sync. Also sawtooth waveform, 100kΩ//270μμf. Output: +20p-pv. 21.0/ 22.0/ 24.9/ 25.1μsec width. Mixing detected RF signals or video signals.	Polarad Electronics	1782	MIL-T-18428 (SHIPS)	
SG-121B/URN-3	Pulse-Sweep Generator	40 to 4000cps ±10% pulse pair or 4 discreet frequencies; 39.84/40.16/45.454/47.62kc. Output: +20v 600Ω//800μμf. Pulse width: 11 to 13μsec. Internally or externally calibrated.	Elec of Clearfield A-126	N-60-b-1032		U/W TS-891/URN-3 TS-890/URN-3 OS-54/URN-3
SG-122()/U SG-122/U	Signal Generator	2.7 to 3kMc ±0.03%. Output: -80 to +40dbm ±1db. Output Z: 50Ω. Modulation: PM; 200 to 2500pps, 0.5 to 5μsec pulse internal; 0 to 2500pps, 0 to 5μsec pulse external.	Rollin Co 80	USA ORDTU-233-54		P/O AN/MPQ-25
SG-123()/UPM-64	Interference Generator	1 to 30Mc 1 band; output: CW and random type, for noise figure measurement.		SCLE 9399		P/O AN/UPM-64() (SCLE-9397)
SG-124/TSM-11	Signal Generator	250cps fixed. Output: 20va max. Modulation: keyed; 2cps 100% internal.	Texas Instruments Inc 40103	USN	XAE-108	P/O AN/TSM-11
SG-125()/UVM-1 SG-125/UVM-1	Light Signal Generator	Transient and continuous light for use in AN/UVM-1. Remotely controlled by C-1761/UVM-1.		USAF AEL-55-336		P/O AN/UVM-1
SG-126()/URH-2	Signal Generator	14kc to 30Mc ±1% in 8 bands. Output: 0.1μv to 100mv ±2% +0.3μv. Output Z: 50Ω. No modulation data.	Pickard & Burns Inc	USN	MIL-E-16132 (SHIPS)	P/O AN/URH-2
SG-127()/URH-2	Signal Generator	225 to 400Mc ±1%. Output: 1μv to 100mv ±20%. Output Z: 50Ω. No modulation data.	Pickard & Burns Inc	USN	MIL-E-16132 (SHIPS)	P/O AN/URH-2
SG-128()/U	Pulse Generator	150kc to 1kMc. ±1db to 400Mc. Internal sync. Output: impulse ±185v max, 0.5μsec width. Output Z: 50Ω. Checks calibration of radio interference measuring equipment.		USA SCLC-10388		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SG-129()/ASQ-18	Reference Signal Generator	Produces an audio tone representing a binary code.	Fed Telecommun Labs	AEL-55-324	WCL-250	P/O AN/ASQ-18(V)
SG-133/WQM-1	Signal Generator	20 to 30kc ±5%. Output: down 60db in 1db steps. 10 to 100msec pulse width. 0.625 to 3.75sec delay. Output Z: 500Ω. Modulation: keyed or triggered 0 to 100% only. U/W Navy Model QHB.	Wesco Mfg Co 251000-E01	USN 1032	SHIPS-F-1386	P/O AN/WQM-1
SG-134/ARM-19	Signal Generator	Carrier 406 to 420Mc in 15 steps crystal controlled. Output: 0.3μv to 10,000μv ±1db. Output Z: 52Ω; modulation data: FM at 7.5 to 13.7kc in 6 steps internally or from 1 to 80kc externally.	Babcock Radio Eng 2006	EL-413 USN		P/O AN/ARM-19 U/W AN/ARW-67 R-570/ARW ARW-59
SG-135()/GPS SG-135/GPS	Pulse Generator	0 to 5kc and 300 to 600cps prf. Externally sync. Output: sine wave ±25v, 2.95msec width. Output Z: 100kΩ. Operates by means of own internal magnetic field.	GE-Syracuse PL-771324961 PL-7609392-P23 PL-7609328-P2	WL-56-R-1533		P/O OA-1263/FPS-8 OA-1264/CPS-6B AN/FST-2 U/W AN/CPS-6B AN/FPS-10
SG-136()/U SG-136/U	Signal Generator	100 to 156Mc and 225 to 400Mc ±0.005%. Output: 90mw max modulated and 50mw max unmodulated. ±5%. Modulation: AM; 1kc internal. Internal battery. Used as field target xmitter for alignment of direction finder equipment.		USAF WL-55-2065		
SG-137()/ASQ-22 SG-137/ASQ-22	Reference Signal Generator	Produces a 1 and a 128pps signal used for pulse analysis.	GL Martin	AEL-55-529	WCLR-294	P/O OA-1031/ASQ-22
SG-139()/GPA-23 SG-139/GPA-23	Sweep Generator	400cps prf. External sync. Output: 2 phase sine wave ±145v. Generates necessary wave forms to produce a circular sweep on command displays.	GE-Syracuse PL-771090261	USAF WL-55-2175	RADC 2317	P/O OA-1046/GPA-23
SG-140()/GPA-23 SG-140/GPA-23	Assembly Generator	2 sweep generators which take 400cps pulse and produce circular sweep.	GE-Syracuse PL-7710903G1	WL-55-2176	RADC-2317	P/O OA-1046/GPA-23
SG-141()/GPA-23 SG-141/GPA-23	Pulse-Sweep Generator	200 to 600cps ref signal, 400cps single frequency. External sync with radar trigger and antenna ref. Output: timing pulses: +10 or +30v, 1μsec wide at 50% amplitude Z: 200Ω; sweep voltages: ±50v, 3660μsec width, Z: 200Ω.	GE-Syracuse PL-7302727G1	USAF WL-55-2380	RADC-2316	P/O SG-144/GPA-23
SG-142/DPM-1	Pulse-Delay Generator	10 to 800cps prf. Internal and external sync. 1 to 999.9μsec delay ±0.1μsec. Output: pulse 0 to +20v, 1.2±0.2μsec wide at 50% amplitude. Z: 200Ω. Meter indication of prf.	Farnsworth Electronics CVSG-9	55-1534	MIL-T-945A	P/O AN/DPM-1
SG-145()/GPA-23 SG-145/GPA-23	Electronic Marker Generator	400cps single frequency, gated 50kc, 200 to 600prf. Cancelled 13 December 1955.		WL-55-2382	RADC-2316	P/O SG-144/GPA-23
SG-146()/U	Signal Generator	162.25 to 173.5Mc, 16 fixed frequencies separated by 750kc ±0.01% on all. Output: 1μv to 10mv ±2db, Z: 50Ω. Modulation: FM, AM, PM: voice and 1kc with 0 to 250kc deviation, PAM at prf=400cps, internal. Can be ext FM from 50cps to 35kc, PAM to 50%, 0 to 250kc deviation. Aligns and tests AN/ARR-26 Receiver.	Magnavox Co	USN		P/O AN/ARR-26 AN/ARR-26A
SG-147/MPM	Signal Generator	400cps fixed ±1%. Output: 90 to 160v. Provides reference voltage for checking range modulator and angle modulator.		ORDDW-53-55	GS-16430	P/O OA-1061/MPM-30 AM-1396/MPM-31 TS-950/MPM-35
SG-148/MPM-32	Pulse Generator	For NIKE I System. Cancelled 18 May 1956.		ORDDW-127-55		P/O OA-1063/MPM-32
SG-149/MPM-32	Pulse Generator	500 and 1000pps prf. Cancelled 18 May 1956.		ORDDW-128-55		P/O OA-1063/MPM-32
SG-150/MPM-32	Pulse Generator	100cps prf. Cancelled 18 May 1956.		ORDDW-124-55		P/O OA-1063/MPM-32
SG-151/MPM-32	Sweep Generator	For testing oscilloscopes. Cancelled 18 May 1956.		ORDDW-123-55		P/O OA-1063/MPM-32
SG-152/MPM-35	Pulse Generator	Normal 1000pps. Cancelled 18 May 1956.		ORDDW-147-55		P/O TS-950/MPM-35
SG-153/MPM-35	Signal Generator	500 to 15,000cps with external input. Cancelled 18 May 1956.		ORDDW-148-55		P/O TS-950/MPM-35
SG-155()/URM-149	Signal Generator	600 to 1850Mc ±0.5%. Output: 0.1μv to 0.1v ±15%. Output Z: 50Ω. Modulation: FM 1.0/1.6/20/68/108kc with 0 to 300kc deviation internally or 250cps to 108kc with 0 to 300kc deviation externally.		SEL-63-121	SCL-4294	P/O AN/URM-149
SG-156()/UP	Pulse-Delay Generator	Pulse delay: 0.1μsec to 9.9999msec, continuous in 0.1μsec steps. Prf: 50 to 5000pps, internal or external sync. Output: rectangular pulses, ±5 to ±50v into 1kΩ or more, ±0.1 to ±0.5μsec. Output Z: 50Ω.	Hewlett-Packard	EL-413 USN		
SG-157()/ARA-43	Noise Generator	Consists of buzzer circuit capable of generating pulses similar to corona at about 1kc repetition rate. Determines if AN/ARA-43() is operating to aid in adjusting the balance controls.	Farnsworth Electronics	USAF AEL-55-846	WCLN-SG-157()/ARA-43	U/W AN/ARA-43()
SG-158()/FPS SG-158/FPS	Signal Generator	Pulse generator fills range quantum at any azimuth.		CRC-55-212		U/W AN/FPS-14,18
SG-160()/APQ-56	Reference Signal Generator	Produces range mark signal.	Westinghouse Electric 1JD4719-G2	AEL-55-982		P/O AN/APQ-56()
SG-161/FQQ-1	Sweep Assembly Generator	64 to 96kc sweep for spectrum analyzers. Cancelled 16 March 1956.		BTL-45079		P/O AN/FQQ-1(V)
SG-162()/USM	Sweep Generator	12 bands ±3% with 0.5% in any increment. Plug-in type. Delay from 1μsec to 100msec.	Tekronix Inc	SCLE-9728		U/W OS-64()/USM
SG-163()/FPS-19 SG-163/FPS-19	Noise Generator	1220 to 1350Mc. Output: 15.3db above thermal noise ±0.5db. Output Z: 50Ω. Modulation: AM, can be ext to 100%.	Airborne Inst Lab 3701-57D50	WL-55-2907	EXH: RADC-2415	P/O OA-1076/FPS-19

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SG-164()/ARM-30 SG-164/ARM-30	Signal Generator	1000Mc TAGAN bands, 2 channels for ramp pre-flight check of airborne radio.	Fed Telecommun Lab FTL-NUS-3156	ARL-55-972		P/O AN/ARM-30()
SG-165()/FSA SG-165/FSA	Noise Generator	Measures noise figure in range: 200 to 400Mc.		CRC-55-201		U/W R-361()/GR
SG-166()/URH-2	Signal Generator	400 to 1000Mc, 1 band, 1μv to 100mv output, no modulation.	Pickard & Burns Inc D1212-P2	USN #16	MIL-E-16132	P/O AN/URH-2
SG-167()/UPA-35A SG-167/UPA-35A	Sweep Generator	Gives 10 to 300 mile pulse width, to drive magnetic resolvers. Cancelled 8 May 1956.		WL-56-1133	RADC-ENG-334	P/O IP-207A/UPA-35
SG-168()/UPA-35A SG-168/UPA-35A	Pulse Generator	20 to 60cps prf. Cancelled 8 May 1956.		WL-56-1134	RADC-ENG-334	P/O IP-207A/UPA-35
SG-169/MPS-24	Signal Generator	Cancelled 18 July 1957. Never procurred.	Electrical Reprod Co Hazeltine Electronics A18810	USN	SHIPS-R-1945	P/O AN/MPS-24
SG-171/FSH-T1	Pulse Generator	Triggered from ext source at rate not to allow the overlapping of adjacent 50μsec pulses. External sync Output: 50v. 50μsec and 2 pulses of +50v 200μsec duration each. Low output Z.		USN		P/O AN/FSH-T1
SG-172()/GPS SG-172/GPS	Electronic Marker Generator	L-band frequency, 4096pps ±0.045° accuracy, external sync. Output: trapezoid pulse; amplitude: 40 ±10v, positive polarity; width: 1±0.5μsec; Z: 50Ω. Divides radar azimuth for quantization and encoding of radar data.	GE-Syracuse	WL-56-1238		U/W AN/FPS-8 AN/MPS-11
SG-175()/G SG-175/G	Pulse Generator	50Mw peak, 150kw average.		CRC-56-84	AFCRC-56-17	
SG-177()/GPN SG-177/GPN	Electronic Marker Generator	Range type; 6 miles as function of Range Computer CP-313/GPN. Generates and projects letter symbols to identify aircraft in AGCA pattern and error bar signal as function of range or hazardous conditions.	Gilfillan Bros 54718	WL-56-1398	ENG-432A	P/O QA-154/GPN
SG-178()/GRM-8	Interference Generator	0.1 to 400Mc, impulse noise type; 180/360/720/1440/2880pps available. dc charging potential: 0 to 20kv. Output attenuation: 98db in 2db steps. General use.		AEL-56-456		P/O AN/GRM-8()
SG-179()/URC SG-179/URC	Reference Signal Generator	100kc to 2.4Mc. Output: 1.5rmsv, 100kc at 1kΩ; 1rmsv, 2.4Mc at 1.5kΩ. Designed for airborne applications; utilizes closed load temperature controlled oven.	Collins Radio	AEL-56-530	RADC-1800	P/O R-761/ARC-58
SG-179A/URC	Reference Signal Generator	Provides 3Mc reference signal for determination of frequency stability for the AN/ARC-58(V), AN/TRC-75 and AN/TSG-15. This is a plug-in module of R-761()/URC.	Collins Radio 528-0252-004	AEL-62-265		P/O AN/ARC-58(V) AN/TRC-75 AN/TSG-15
SG-180()/GRS-1 SG-180/GRS-1	Reference Signal Generator	10Mc standard; multiplied by 3 for IF. Output related to time; 24 hour max continuous operation. Subdivides divided frequency from another reference signal generator for use with other units in rate data extraction group and the computer.	GE-Syracuse 7308606G1 PL-7303649G1	WDD-62-10058		P/O OA-1253/GRS-1
SG-183/GSM	Signal Generator	400cps ±0.25% fixed frequency. Output: 135v max. P/O ORD-6, M-33 Fire Control System.		ORDBA-0018		P/O M-33
SG-184()/GKA SG-184/GKA	Signal Generator	100pps ±1%: fixed train of 16 message pulses, 160msec ±1.6%; 120kc: 16 message pulses and 16 shift pulses. For adjustment and maintenance of Multiplexer Group OA-486/GKA-1 and Coder Group OA-530/GKA-1.	GE-Syracuse	WL-56-1379	RADC-2471A	P/O AN/GKA-1 AN/GKA-3 AN/GKA-4
SG-185/SPS-28	Interference Generator	215 to 225Mc, 1 band, to measure noise figure.	Westinghouse-Pittsburgh DL469D047	USN	SHIPS-R-2071	P/O AN/SPS-28
SG-187/FQQ	Signal Generator	Audio, 1 to 12,100cps for sonar set testing.	Western Electric Co GA52347A	USN		P/O AN/FQQ-1(V), 2(V)
SG-188/FQQ	Signal Generator	5 to 600,000cps ±2%, 5 bands. Output: 160mw max, ±1db variation; Z: 600Ω. General use; provides good frequency stability and resetability. Similar to TS-312/FSM-1 and TS-382/U.	Hewlett-Packard 200CDR	USN		P/O AN/FQQ-1(V) AN/FQQ-2(V)
SG-188A/FQQ	Signal Generator	5cps to 600kc ±2% in 5 bands. Similar to SG-188/FQQ except for minor circuity changes. Output: 160mw max; Z: 600Ω.	Hewlett-Packard G-221781-3	N-61-n-1622		P/O AN/FQQ-1A(V) AN/FQQ-2(A)
SG-189/FQQ	Signal Generator	0.01cps to 100kc, 5 bands. Accuracy: ±1% (1cps to 10kc); ±3% (over entire range). Output: 10rmsv max; variation: ±0.25db (0.1 to 10kc), ±1db (entire range); Z: 600Ω. Provides good frequency stability and resetability.	Krohn-Hite Inst Co 440BT	USN		P/O AN/FQQ-1(V) AN/FQQ-2(V)
SG- 190()/URM-33X SG- 190/URM-33X	Signal Generator	1000 to 2300Mc ±1%, single band, continuously tunable. Modulation: CW and pulsed, internal, 1000 spec, 1μsec wide. Output: calibrated 1 to -100dbm ±3db; Z:50Ω. For pre-flight and "go-no-go" checks of search receivers and direction finding systems.		AEL-56-R-1114	MIL-S-26765	P/O AN/URM-33X
SG-190A/URM-33X	Signal Generator	1 to 2.3kMc ±1%. Output: 1mw to -100dbm. Output Z: 50Ω. Modulation: CW and pulsed, internally modulated 1kpps. Pulse width: 105μsec. Field type generator.		AEL-60-107	MIL-S-26765	P/O AN/URM-33AX
SG-191()/URM-34X SG-191/URM-34X	Signal Generator	2150 to 4600Mc ±1%, single band, continuously tunable. Modulation: CW and pulsed, internal, 1000spec, 5μsec wide. Output: calibrated 1 to -100dbm ±3db; Z: 50Ω. For preflight and "go-no-go" checks of search receivers and direction finding systems.		AEL-56-R-1115	MIL-S-26820	P/O AN/URM-34X
SG-191A/URM-34X	Signal Generator	2.15 to 4.6kMc ±1%. Output: 1mw to -100dbm. Output Z: 50Ω. Modulation: CW and pulsed, internally modulated 1kpps. Pulse width: 1.5μsec. Field type generator.		AEL-60-105	MIL-S-26820	P/O AN/URM-34AX
SG-192()/URM-35X SG-192/URM-35X	Signal Generator	4450 to 8000Mc ±1%, single band, continuously tunable. Modulation: CW and pulsed, internal, 1000 spec, 5μsec wide. Output: calibrated 0 to -100dbm ±3db; Z: 50Ω. For preflight and "go-no-go" checks of search receivers and direction finding systems.		AEL-56-R-1116	MIL-S-26821	P/O AN/URM-35X

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SG-193()/URM-36X SG-193/URM-36X	Signal Generator	7850 to 10,750Mc ±1%, single band, continuously tunable. Modulation: CW and pulsed, internal, 1000 spec, 5μsec wide. Output: calibrated 1 to -100dbm ±3db; Z: 50Ω. For preflight and "go-no-go" checks of search receivers and direction finding systems.		AEL-56-751	MIL-S 26822	P/O AN/URM-36X
SG-194()/G SG-194/G	Frequency Calibrator	1170 to 1430Mc and 2670 to 2930Mc, 106 fixed frequencies. Cancelled 31 January 1957.		CRC-56-396		
SG-195()/UPM	Pulse Generator	Staircase and sawtooth waveforms (3 produced for each trigger pulse). External trigger: 100 to 2000pps; internal: 800pps ±10%. Staircase: 9 equal steps; waveform width: 130μsec ±10%; amplitude: 5 volts. Sawtooth: 0.5 to 10msec period, 5 volts amplitude. For checking and determining dynamic range and distortion of video and variable gain circuits in radar systems.	Texas Instruments Inc	AEL-56-799	WCLB-308A	P/O AN/UPM-83()
SG-196()/U	Signal Generator	100kc fixed, 1mv and 100mv output to simulate bearing.		AEL-56-823	WCLN-1282	U/W AN/ARN-40
SG-197()/U	Signal Generator	100kc fixed frequency and 95 to 105kc, 10 channels, 1kc apart. Modulation:CW. Output: 5μv to 100mv. For complete depot maintenance of Radio Receiving Set AN/ARN-40.		AEL-56 824	WCLN-1283	U/W AN/ARN-40
SG-198()/U SG-198/U	Warning Signal Generator	1800cps pulsed at 8cps rate, to warn pilots of oxygen failure.	Baldwin Piano Co	AEL-56-851		P/O AN/AIC-10
SG-199/ARM-24	Signal Generator	151 fixed frequencies between 400 and 550Mc accurate to ±0.002%. Modulation: 400 or 1000cps internal with 0 to 50/150/300kc deviation, 300cps to 100kc external with same deviations. Output: 1μv to 0.1v ±0.1db.	Boonton Radio Corp B-304061-A	USN-57 Q-1835	MIL-G-18441A	P/O AN/ARM-24
SG-200()/G	Signal Generator	85 to 115kc, 250 to 510kc, 1 to 30Mc, 3 bands, 0.005% accuracy of calibration. Modulation: reduced carrier and 1 (or 2) upper or lower sidebands; 2 separate sidebands (each ±15kc of carrier); terminals for external modulation, 0 to 100%. For evaluating performance of receiving components of single sideband radio communication systems.		SCLC-10987	SCL-1588	
SG-201()/URM-97 SG-201/URM-97	Signal Generator	10Mc to 14.6kMc in 5 fixed frequencies (±1%). AM modulation: 300 to 5000pps at 0.2 to 5μsec width internally. +12dbm peak pulse output.	Polarad Electronics D-101782	AEL-56-806	WCLR-277	P/O AN/URM-97
SG-202()/URM-97 SG-202/URM-97	Signal Generator	16.1kMc to 21.4kMc in 4 frequencies ±1%. Modulation: AM with 300 to 5000pps of 0.2 to 5.0μsec width. +12dbm peak pulse output.	Polarad Electronics D-101792	AEL-56-807	WCLR-277	P/O AN/URM-97
SG-203()/URM-97 SG-203/URM-97	Signal Generator	23.6kMc ±1%; +12dbm peak pulse output to antenna, ±3db variation; modulation: AM 300pps to 5000pps internally at 0.2 to 5μsec pulse width.	Polarad Electronics D-101728	AEL-56-808	WCLR-277	P/O AN/URM-97
SG-204()/URM-97 SG-204/URM-97	Signal Generator	25.9kMc ±1%; +12dbm peak pulse output to antenna, ±3db max variation; modulation: 300 to 5000pps at 0.2 to 5μsec pulse width.	Polarad Electronics D-101728	AEL-56-809	WCLR-277	P/O AN/URM-97
SG-205()/URM-97 SG-205/URM-97	Signal Generator	28.5kMc ±1%; +12dbm peak pulse output into antenna, ±3db max variation; modulation: AM at 300pps to 5000pps and 0.2 to 5.0μsec pulse width internally.	Polarad Electronics D-101737	AEL-56 810	WCLR-277	P/O AN/URM-97
SG-206()/URM-97 SG-206/URM-97	Signal Generator	31.4kMc ±1%; +12dbm peak pulse output to antenna, ±3db max variation; modulation: AM at 300pps to 5000pps and 0.2 to 5.0μsec pulse width internally.	Polarad Electronics D-101737	AEL-56 811	WCLR-277	P/O AN/URM-97
SG-207()/URM-97 SG-207/URM-97	Signal Generator	34.5kMc ±1%; +12dbm peak pulse output to antenna, ±3db max variation; modulation: AM at 300pps to 5000pps and 0.2 to 5.0μsec internally.	Polarad Electronics D-101737	AEL-56 812	WCLR-277	P/O AN/URM-97
SG-208()/URM-97 SG-208/URM-97	Signal Generator	28.0kMc ±1%; +12dbm peak pulse output into antenna, ±3db variation; modulation: AM at 300pps to 5000pps and 0.2 to 5.0μsec pulse width internally.	Polarad Electronics D-101737	AEL-56 813	WCLR-277	P/O AN/URM-97
SG-209()/URM-97 SG-209/URM-97	Signal Generator	40kMc ±1%; +12dbm peak pulse output into antenna, ±3db variation; modulation: AM at 300 to 5000pps and 0.2 to 5.0μsec pulse width internally.	Polarad Electronics D-101737	AEL-56-814	WCLR-277	P/O AN/URM-97
SG-210()/GRM-9	Programmer Generator Problem	30 to 100kc to simulate doppler.	G E-Syracuse PL-7302486G1	WDD-56-78		P/O OA-1320()/GRM-9
SG-211()/U	Sweep Generator	400kc to 30Mc ±2%, internal sync. Output amplitude: 20μv to 0.5v; output Z: 50Ω. Capable of producing separation markers (20kc to 3Mc), variable sweep width (0 to 10% of selected frequency) and variable sweep rate (0.25 to 65cps); linear detector and scope integral part of generator. Provides means for visual examination of frequency responses up to 3Mc bandwidths.		SCLH-11402	SCL-1670	
SG-212()/U	Sweep Generator	14kc to 1Mc ±2%, internal sync. Output amplitude: 20μv to 0.5v; output Z: 50Ω. Capable of producing separation markers (500cps to 50kc), variable sweep width (0 to 10% of selected frequency) and variable sweep rate (0.25 to 65cps); linear detector and scope integral part of generator. Provides means for visual examination of frequency responses up to 1Mc bandwidths.		SCLH-11403	SCL-1667	
SG-213()/U	Signal Generator	2 to 400Mc ±2%, 6 bands. Modulation: internal, AM and pulsed, 500 to 1000cps, 0 to 50%; terminals provided for external modulation. Provides AM and pulse modulated RF for alignment and test of radio sets.		SCLH-11404	SCL-1584	
SG-214/URM	Impulse Disturbance Generator	For substitution type RF and field intensity measurements of impulse signals; bandwidth determination, etc. 10kc to 100Mc ±0.5db in 1 band; 50Ω, 60pps positive or negative of 0.0005μsec duration.	Stoddart Aircraft 91263-1	USN-56-1381		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SG-215( )/FPR-2 SG-215/FPR-2	Signal Generator	2 fixed frequencies within range: 450 to 525Mc. Output: 0.1μv to 100mv, ±1db max variation, 50Ω Z. Provides signals for testing alignment of receiving equipment in AN/FPR-2.	F-R Machine Works	WL-56 2386		P/O AN/FPR-2
SG-216( )/URM-99 SG-216/URM-99	Signal Generator	Classified.		AEL-56-1024		
SG-217/FSA-T1	Random Noise Generator	Generates white noise for use in computing elements of hit resolver and damage resolver of damage computer. P/O hit resolver & damage resolver rack.		USN-56-1467		
SG-218/MPM-38	Signal Generator	10cps to 10Mc ±2%, 6 bands. Output: 0.03mv to 3v, ±1db max variation, 600Ω Z. Contains adjustable output in 10db steps to max of 50db, hum voltage less than 1% and distortion less than 1% (from 20cps to 100kc) and less than 5% (from 100kc to 10Mc). Signals for use in testing units of Type II Corporal Missile Ground Guidance System.		ORDDW-277-56	MPD-4062	P/O AN/MPM-38
SG-219/MPM-38	Signal Generator	10 to 420Mc ±0.5%, 5 bands. Modulation: internal, AM, 400 and 1000cps, 0 to 95%; external, AM, 20cps to 20kc; external, pulsed, 20cps to 20kc, 100%. Output: 0.1μv to 0.5v, ±1db max variation, 50Ω Z. Signals for use in testing units of Type II Corporal Missile Ground Guidance System.		ORDDW-278-56	MPD-4064	P/O AN/MPM-38
SG-220( )/DSM-18	Signal Generator	Classified.		USN 1511		
SG-221( )/DSM-18	Signal Generator	Classified.		USN 1512		
SG-222( )/GPA-40 SG-222/GPA-40	Pulse Generator	300 to 400cps, external sync. Output: rectangular waveform; amplitude: 500v, positive polarity; width: 200μsec. Provides facilities for generating pulses used to ionize the gas in neon noise source tubes.	G E-Syracuse PL-761180G1	WL-56 2379	MIL-R-26838A (USAF)	P/O AN/GPA-40
SG-223( )/GPA-40 SG-223/GPA-40	Noise Generator	5-band; frequency range: 2700 to 2900Mc.	G E-Syracuse PL-7716743G1	WL-56-2380	MIL-R-26838A	P/O AN/GPA-40
SG-224/MSM-12	Signal Generator	20 to 100Mc, 300 to 500Mc, 800 to 1000Mc, 2700 to 3000Mc, 4 bands, ±1% accuracy. Modulation: internal, AM, 1000cps, 0 to 75%; internal, pulsed, 1000cps, 100%; external, AM, 1 to 50kc, 0 to 75%; external, pulsed, 0.5 to 2kc, 100%. Output: 0.1μv to 0.5v, ±1.5db max variation, 50Ω Z. Used in testing the major electronic components of the XM2E1 Artillery Guided Missile.		ORDDW-307-56*		P/O AN/MSM-12
SG-225( )/GPM-24 SG-225/GPM-24	Signal Generator	Generates three noise spectra at 500kc plus or minus frequencies of less than 30kc corresponding to forward, side and rear beam doppler shifts at max specific forward, side and vertical velocities. Also ground simulates noise plus noise sprectra signals on 500kc carrier of the three IF amplifiers when aircraft is flying.	Lab for Electronics	AEL-57-3		P/O AN/GPM-24
SG-226( )/CPM-24 SG-226/CPM-24	Signal Generator	1725 to 27,800pps, three channels. Outputs at rates corresponding to max forward, side, and vertical velocities. Crystal controlled time base gate determines period of presentation. Also ground simulates the three intermediate receiver output pulse trains.		AEL-57-4		P/O AN/GPM-24
SG-227/USM-47	Signal Generator	10 to 15.5kMc ±1% in 1 band; output: 1μμw to 10mw calibrated; modulation: 40 to 4000cps pluse repetition rate internally, external at 0.5μsec to 10μsec pulse width, FM externally with ±5Mc deviation.	Hewlett-Packard 626A	N-57-25	MIL-T-945	P/O AN/USM-47
SG-228/USM-48	Signal Generator	15 to 21kMc ±1% in 1 band; output: 10mw to 1μμw; modulation: pulse or square wave at 40 to 4000cps internally and terminals for external modulation at 0.5μsec to 10μsec pulse width, FM at power line frequency internally, and FM externally.	Hewlett-Packard 628A	USN-57-20	MIL-T-945	P/O AN/USM-48
SG-229( )/FPS-7 SG-229/FPS-7	Calibrator Computer	Provides calibration for computer.	G E-Syracuse PL-730388G1	WL-56-2452		P/O OA-1501/FPS-7
SG-229C/U	Signal Generator	1cps to 1Mc ±10%, six bands. Output: square wave; 0 to 7, 0 to 55vp-p; Z: 75 and 600Ω.	Elion Instruments 2028	EMSA-62 3298		
SG-230( )/ARN-5 SG-230/ARN-5	Signal Generator	Classified.		AEL-57-R-840		
SG-231( )/FPS-7 SG-231/FPS-7	Reference Signal Generator	Classified.		WL-56-2650		
SG-232A/FPS-7	Pulse Generator	0 to 244pps ± 3pps in 1 band internally and externally synchronized. Output: trigger pulse of +25 to +50v height and 2μsec width, Z: 75Ω.	G E-Syracuse 7303876G 2	WL-62-R-3924		P/O OA-1509B/FPS-7
SG-233( )/FPS-7 SG-233/FPS-7	Reference Signal Generator	Produces sensitivity time control waveform and range interference blanking gates.	G E-Syracuse PL-7304491G1	WL-56-2654	EXH: RADC-2383	P/O OA-1509/FPS-7
SG-234/WRR-1	Signal Generator	Classified.		USN-57-296		
SG-235/APS-67	Signal Generator	29 to 31Mc as 1 fixed frequency ±5%; output: 0 to 100dbm calibrated, ±3db max variation throughout frequency range; modulation: AM pulsed 1080 to 1320pps. Used to adjust radar AGC and error dot channels.	Magnavox Co 190633-1	USN-424	MIL-T-18306 (AER)	U/W AN/APS-67
SG-236( )/TRR-12 SG-236/TRR-12	Pulse Generator	300pps repetition rate; external sync; unbalanced Z: 72Ω; amplitude: 36v; positive polarity; pulse width: 0.8μsec. Provides facilities for generating an "Identification Friend or Foe" pre-trigger pulse.	Motorola-Chicago X1276	WL-57-1170	EXH: RADC-1568	P/O OA-1549/TRR-12

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SG-237()/FRC SG-237/FRC	Signal Generator	300 to 500Mc; fixed frequencies. Frequency stability: 3 parts in 10^7 over a 24 hour period; amplitude stability: 0.1db over a 10 minute period. Necessary to calibrate narrow band receiving equipment used on tropospheric scatter circuits.		CRC-57-31		U/W AN/FRC-47
SG-238()/FRC SG-238/FRC	Signal Generator	2100 to 2400Mc; fixed frequencies. Frequency stability: 3 parts in 10^7 over a 24 hour period; amplitude stability: 0.1db over a 10 minute period. Necessary to calibrate narrow band receiving equipment used on tropospheric scatter circuits.		CRC-57-32		U/W AN/FRC-47
SG-239/FQQ	Signal Generator	5cps to 600kc, ±2%, 5 bands, 160mw max output, ±1db variation throughout range.	Hewlett-Packard 200CDR (MOD)	USN-57-M-468		P/O AN/FQQ-4
SG-239A/FQQ	Signal Generator	5cps to 600kc ±2% in 5 bands; 60mw output ±1db throughout frequency range; Z:600Ω. Minor circuitry changes from SG-239/FQQ. Similar to SG-230/FQQ.	Hewlett-Packard WECo G-221781-4	N-62-n-1599		P/O AN/FQQ-1A (V) AN/FQQ-2A OA-4174/FQQ-9 (V)
SG-240()/FCC-15 SG-240/FCC-15	Reference Signal Generator	Receives 8kc sine wave from three different taps on the multiplexer delay line and forms three pulses, 1.2μsec apart, which serve as pulse train markers.	Kellog Switchboard 2088367	N-59-Y-2446		P/O AN/FCC-15 OA-1576/FCC-15
SG-241()/FPS-7 SG-241/FPS-7	Noise Generator	1300Mc resonant output frequency; 50Ω impedence. Provides reference noise for determining noise figure of system.	GE-Syracuse	WL-57 1017	EXH: RADC-2383	P/O OA-1574/FPS-7
SG-242()/U	Signal Generator	FM, 4400 to 5000Mc range, 1 band. Cancelled.		SCEL-57-206	SCL-1741	
SG-243()/FCC-15 SG-243/FCC-15	Reference Signal Generator	Produces series of triple pulses at 8000 groups/sec which are substituted for the pulse train when the received radio signal fails.	Kellog Switchboard 2170812	N-59-Y-2463		P/O AN/FCC15
SG-244()/FPS-20 SG-244/FPS-20	Electronic Marker Generator	Aural output related to time; max operating time: 23 hours; magnetic pick-up: 1 an 4096 marks/revolution. Supplies angle mark data to OA-1629/FPS-20.	Bendix Radio BP851-2	WL-57-1629	RADC-2476	P/O AN/FPS-20,20A
SG-245/U	Pulse Generator	10kc to 100Mc, 1 band; repetition frequency: 60cps; external sync not calibrated. Output: rectangular pulse; Z: 50Ω; bandwidth: 10 to 101db above 1μv/Mc in 0.25db steps; pulse width: 0.0005μsec. Provides boardband RF output essentially constant per unit bandwidth.	Stoddart Aircraft 91263-1	USN-57-X-1025		
SG-246()/APG-T1A SG-246/APG-T1A	Reference Signal Generator	Supplies voltages for synchros, motors, generators and potentiometers.	Emerson Radio AS3540	AEL-57-R 793		P/O OA-1690/APG-T1A
SG-247()/TSM-18 SG-247/TSM-18	Reference Signal Generator	Classified.		AEL-57-R 844		
SG-248()/U	Signal Generator	1700 to 2400Mc ±0.5%, 1 band. Modulation: FM 1/1.6/20/68/108kc, internal; terminals provided for external modulation, 0 to 1Mc deviation. Output: -127 to -7dbm; 1 to 100,000μv, ±1.5db max variation throughout range; Z:50Ω. Cancelled on SEL-59-162.		SCEL-57-348	SCL-1892	
SG-249()/FPS-7 SG-249/FPS-7	Signal Generator	30Mc ±0.005%, crystal controlled. Modulation: internal, keyes, 60cps square wave, 100%. Max ouput: 0.6v; Z: 100Ω. For alignment of precision type, 30Mc, logarithmic amplifiers to ±0.25db over 75db range.	G E-Syracuse 7306646G1	WL-57-2104	RADC-2383	P/O OA-1575/FPS-7
SG-250()/GRM-9	Signal Generator	Classified.		WDD-57-47		
SG-251()/GRM-9	Pulse Generator	Classified.		WDD-57-49		
SG-252()/GRM-9	Signal Generator	Classified.		WDD-57-52		
SG-253()/GRM-9	Pulse Generator	Contains circuits to count down 3500cps sine wave to 140 and 10pps. Synchronizing output pulses enable exercise equipment to operate independently of rate measuring equipment.	G E-Syracuse PL-7304690G1	WDD-57-57		P/O V-133()/GRM-9
SG-254()/GRM-9	Signal Generator	140pps output. Permits generation of 10 bit, fast rate messages simulating decoder command message output of beacon decoder and parallel 10 bit messages simulating output of command simulator. Outputs provide dynamic test for Command Shift Register 7721.	G E-Syracuse PL-7304664G1	WDD-57-58		P/O V-133()/GRM-9
SG-255()/AQA-3 SG-255/AQA-3	Reference Signal Generator	Classified.		USN-57-Q-1618		
SG-256()/FPT-6 SG-256/FPT-6	Pulse Generator	1176 to 1224pps repetition rate; external sync. Output: trigger pulse; amplitude: ±20 to ±50v, positive polarity; pulse width: 0.7 to 1.3μsec; resistance: 70Ω.	Bendix Radio C650597-1	CRC-57-207	EXH: AFCRC-55-24	P/O AN/FPT-6 (V)
SG-257()/G SG-257/G	Pulse Generator	0 to 4000pps repetition rate; external sync. Output: square wave pulse; amplitude: 14 to 20v, positive polarity; pulse width: 15 to 45μsec; Z: 5 to 10Ω. Plug-in type for nonstable binary counter.	Western Electric Co GS-17424	SESA-13186		P/O AM-1622/FSG-1 AM-1624/FSG-1 AM-1846/G R-800/FSG-1 R-801/FSG-1 R-802/FSG-1 R-807/FSG-1 T-629/FSG-1 T-663/G
SG-258()/G SG-258/G	Pulse Generator	Manual pulse repetition rate; external sync. Output: differential square top wave pulse; amplitude: 15v, negative polarity; pulse width: 1μsec; Z: 5 to 10Ω. Plug-in type for coordinate data processing equipment.	Western Electric Co GS-17427	SESA-13189		P/O R-800/FSG-1 R-801/FSG-1 R-802/FSG-1 R-807/FSG-1 T-629/FSG-1 T-663/G

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SG-259( )/G SG-259/G	Pulse Generator	0 to 50,000pps repetition rate; external sync. Output: square top wave pulse; amplitude: 14 to 20v, positive polarity; pulse width: 3 to 5μsec; Z: 5 to 100Ω. Plug-in type for nonstable binary counter.	Western Electric Co GS-17429	SESA-13191		P/O T-629/FSG-1 T-663/G
SG-260( )/G SG-260/G	Pulse Generator	0 to 750pps repetition rate; external sync. Output: square top wave pulse; amplitude: 3v, positive polarity; pulse width: 20μsec; Z: 1Ω. Plug-in type for nonstable reset.	Western Electric Co GS-17430	SESA-13192		P/O R-800/FSG-1 R-801/FSG-1 R-802/FSG-1 R-807/FSG-1 T-629/FSG-1 T-663/G
SG-261( )/G SG-261/G	Pulse Generator	0 to 750pps repetition rate; external sync. Output: square top wave pulse; amplitude: 14 to 20v, negative polarity; pulse width: 1μsec; Z: 5 to 100Ω. Plug-in type.	Western Electric Co GS-17828	SESA-13198		P/O R-800/FSG-1 R-801/FSG-1 R-802/FSG-1 R-807/FSG-1 T-629/FSG-1 T-663/G
SG-262/DSM-23	Signal Generator	Classified.		USN-57-ag-1891		
SG-263( )/GRM-9	Pulse Generator	Classified.		WDD-57-148		
SG-264( )/FSG-1 SG-264/FSG-1	Trigger Generator	Using multivibrator circuit for relay test.	Martin Co 5252 Amer Mach & Foundry SM-E-234300	SIMSA-61-13723		P/O OA-1773/FSG-1 U/W TD-218/FSG-1 C-2406/FSG-1 CP-393/FSG-1
SG-265/FSG-1	Time Delay Generator	Nonstable multivibrator designed to operate as timing device for operating time of relays. Appropiate time delay required from start of sync pulse to start of computer gate pulse of range computer.	Martin Co 423-5114000,5114	SIMSA-61-13703		P/O OA-1420/FSG-1 U/W CP-352/FSG-1 CV-549/FSG-1 MX-2180/FSG-1
SG-266( )/FSG-1 SG-266/FSG-1	Synchronizing Generator	Contains: 5 Multivibrator Unit O-529/FSG-1, 1 Grated Flip Flop TD-217/FSG-1, 2 Blocking Oscillator Subassembly MX-2382/FSG-1, 4 terminal board assemblies.	Martin Co 5244 Amer Mach & Foundry SM-E-234000	SIMSA-61-13720		P/O OA-1775/FSG-1 U/W AM-1856/FSG-1 CV-647/FSG-1 SG-267/FSG-1
SG-267( )/FSG-1 SG-267/FSG-1	Pulse Repetition Frequency Generator	Designed to generate blocking oscillator triggers at 2kc repetition frequency in synchronism with ac power line frequency when used in Unit Gain Amplifier Group OA-1775/FSG-1.	Martin Co 5311 Amer Mach & Foundry SM-E-255100	SIMSA-61-13741		P/O OA-1775/FSG-1 U/W AM-1856/FSG-1 CV-647/FSG-1 SG-266/FSG-1
SG-268( )/FSG-1 SG-268/FSG-1	Status Code Generator	Controls status sweeps and intensity wavform generation.	Amer Mach & Foundry SM-E-235400	SIMSA-63-13733		P/O OA-1778/FSG-1 U/W SG-269/FSG-1 TD-219/FSG-1
SG-269( )/FSG-1 SG-269/FSG-1	Number And Velocity Generator	Designed to generate bi-directional linear sweep waveforms for deflection of CRT beam during number display time. Converts multiplexed analog data to coordinate sweeps by time shared integrators.	Martin Co 5271 Amer Mach & Foundry SM-E-235200	SIMSA-61-13731		P/O OA-1778/FSG-1 U/W SG-268/FSG-1 TD-219/FSG-1
SG-270( )/FSG-1 SG-270/FSG-1	Gate Generator	Generates coincident and anti-coincident triggers in response to reshaped pulse code waveforms from the delay line coder group when used in the gate generator and coding group. Z: 1500Ω.	Martin Co 5261 Amer Mach & Foundry SM-E-234600	SIMSA-61-13726		P/O OA-1777/FSG-1 U/W CV-649/FSG-1 KY-245/FSG-1
SG-271( )/FSG-1 SG-271/FSG-1	Extended Vector And Circle Generator	Integrates multiplexed analog vector data to provide coordinate vector sweeps and to generate extended vector sweep and position dot intensity gates for transmission to all consoles when used in the symbol generator group. Input Z: 150Ω; output Z: 100Ω.	Martin Co 5282 Amer Mach & Foundry SM-E-235900	SIMSA-61-13729		P/O OA-1780/FSG-1 U/W TD-220/FSG-1
SG-272( )/FSG-1 SG-272/FSG-1	Area Gate Generator	Generates an area gate each time sweep passes through position tracked by tracking channel when used in the resolved sweep generator group.	Martin Co 2344, 423-2344000	SESA-13641		P/O OA-1783/FSG-1 U/W AM-1857/FSG-1 CM-109/FSG-1 SG-273/FSG-1
SG-273( )/FSG-1 SG-273/FSG-1	Sweep Generator	Generates sine-cosine resolved sweep signals for display when used in the resolved sweep generator group.	Martin Co 2343,423-2343000	SESA-13640		P/O OA-1783/FSG-1 U/W AM-1857/FSG-1 CM-109/FSG-1 MX-2388/FSG-1 SG-272/FSG-1
SG-274( )/FSG-1 SG-274/FSG-1	Area Gate Bias Generator	Generates two waveforms (absolute values of X and Y sweep) and tag waveforms to maintain an area gate of constant angular width when used in the sweep and tag interlacer group.	Martin Co 2425, 423-2425000	SESA-13311		P/O OA-1784/FSG-1 U/W AM-1858/FSG-1 AM-1859/FSG-1 AM-1860/FSG-1 MX-2389/FSG-1
SG-275( )/FSG-1 SG-275/FSG-1	Target Generator Unit	Provides synchronous waveforms when used in the interlacer current generator group. Also simulated trigger and video pulses and motor driving voltage for target mechanical unit.	Martin Co 2431,423-2431000	SESA-13312		P/O OA-1786/FSG-1 U/W CP-394/FSG-1 MX-2391/FSG-1 SG-276/FSG-1 SG-280/FSG-1 TD-222/FSG-1
SG-276( )/FSG-1 SG-276/FSG-1	Current Generator Unit	Provides controlled currents for MX X_g and MX Y_g busses.	G L Martin 2433	SESA-13313		P/O OA-1786/FSG-1 U/W CP-394/FSG-1 MX-2391/FSG-1 SG-275/FSG-1 SG-280/FSG-1 SG-279/FSG-1 TD-222/FSG-1
SG-277( )/FSG SG-277/FSG	Control Waveform Generator	Generates most of the timing and control waveforms required for synchronizing tracking equipment portion of AN/FSG-1(V).	G L Martin 2312	SESA-13626		P/O OA-1785/FSG-1 U/W SG-278/FSG-1 MX-2392/FSG-1
SG-278( )/FSG-1 SG-278/FSG-1	Circle Generator	Generates waveforms for Lissajous circles. Generates marker pulses.	G L Martin 2314	SESA-13628		P/O OA-1785/FSG-1 U/W SG-277/FSG-1 MX-2392/FSG-1
SG-279( )/FSG-1 SG-279/FSG-1	Current Generator Unit	Interlacer current generating component which, when used in interlacer current generator group, provides controlled current source for MX Xcu and MX Ycu busses, limits max potential to +10v, and provides bootstrip amplifier to charge stray capacity.	Martin Co 423-2436000	SESA-13658		P/O OA-1786/FSG-1 U/W SG-276/FSG-1 SG-280/FSG-1 TD-222/FSG-1 CP-394/FSG-1 MX-2391/FSG-1 SG-275/FSG-1

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SG-280()/FSG-1 SG-280/FSG-1	Current Generator Unit	Interlacer current generating component which, when used in interlacer current generator group, provides controlled current source for MX Xd and MX Yd busses, limits max potential to +60v, and provides amplifier to charge stray capacity.	Martin Co 423-2435000	SESA-13657		P/O OA-1786/FSG-1 U/W CP-394/FSG-1 MX-2391/FSG-1 SG-275/FSG-1 SG-276/FSG-1 SG-279/FSG-1 TD-222/FSG-1
SG-281()/FSG-1 SG-281/FSG-1	Category Gate Generator Unit	Changes high impedance long and short channel gates to low impedance pulses.	G L Martin 2333	SESA-13636		P/O OA-1796/FSG-1 U/W AM-1861/FSG-1 SA-582/FSG-1
SG-282()/GRM-16	Reference Signal Generator	Classified.		WDD-57-177		
SG-283()/GRM-12	Reference Signal Generator	Classified.		WDD-57-193		
SG-284()/MRM-6 SG-284/MRM-6	Reference Signal Generator	Output: 2000 hour max continuous operating time. Generates RF pulsed signals and monitors: output power, trigger pulses, input power and frequency.	G E-Utica 796962863	WDD-60-196A-57		P/O OA-1848/MRM-6
SG-285()/GRM	Reference Signal Generator	Classified.		WDD-57-207		
SG-286()/GRM	Reference Signal Generator	Classified.		WDD-57-219		
SG-287()/GRQ-2	Electronic Marker Generator	Range type; 50 and 1000 yards. Provides for shifting marker to zero on target. Generates system clock pulses and/or timing marker.	G E-Syracuse PL-7610750	WDD-57-259		P/O OA-1833()/GRQ-2
SG-288()/GRQ-2	Pulse Generator	1 to 10cps, 1 band, 1 to 10pps, internal sync. Output: rectangular pulse; amplitude: 10v, positive polarity; width: 10μsec; Z: 1000Ω. Generates drive pulses for boresight camera.	G E-Syracuse PL-7614771G1	WDD-57-294		P/O OA-1834()/GRQ-2
SG-289()/GRQ-2	Reference Signal Generator	Visual output signal referred to time; internal frequencies: 100cps and 164kc. Performs basic function in determining "BC" pre-triggers for range tracking.	G E-Syracuse PL-7610751G1	WDD-57-313		P/O OA-1836()/GRQ-2
SG-290()/GRQ-2	Reference Signal Generator	Same description as SG-289()/GRQ-2.	G E-Syracuse PL-7610756G1	WDD-57-314		P/O OA-1836()/GRQ-2
SG-291()/GRS-1	Reference Signal Generator	1.176kc internal standard multiplied by 32 to produce 37.5Mc sideband offset. Modulating frequency: 200kc. Output related to time; 24 hour max operating time. Subdivides transmitter frequency.	G E-Syracuse PL-307536G1	WDD-57-338		P/O OA-1253()/GRS-1
SG-292()/GRS-1	Reference Signal Generator	Generates servo position signals.	G E-Syracuse PL-7307508G1	WDD-57-394		P/O OA-1844()/GRS-1 OA-2103/GRQ-3
SG-293()/GRQ-2	Coordinate Data Signal Generator	Tests servo control system without radar signal.	G E-Syracuse PL-7608846G1	WDD-57-414		P/O OA-1846()/GRQ-2 OA-2496/GRQ-2A
SG-294()/GRQ-2	Error Signal Generator	Supplies error for servo check.	G E-Syracuse PL-7614200G2	WDD-57-415		P/O OA-1846()/GRQ-2 OA-2496/GRQ-2A
SG-295()/GRM-9	Reference Signal Generator	50,000/50,050/100,000/100,100cps internal standards. Visual output related to time; 24 hour max operating time. Output for cabinet 61 and 62.	Aircraft Armaments	WDD-57-425		P/O OA-1847()/GRM-9
SG-296()/FPS-7 SG-296/FPS-7	Electronic Marker Generator	Azimuth and range type. Azimuth: 1 and 10 degrees; intensified: 30 Range: 1 and 10 miles; intensified: 50 24 hour max operating time.	G E-Syracuse 7305963G1	WL-58-r-1296	EXH: RADC-2383	P/O AN/FPS-7
SG-297()/URM-103	Signal Generator	18 to 80Mc±.00375% at 1Mc points, 4 bands. IF: 4.3, 5.60, 5.625, 5.65, 10.0, 11.5OMc. Modulation: internal, FM, 150/170/1000cps, 0 to 30kc deviation; external, FM, 100 to 30,000cps, 0 to 30kc deviation. Output: 0.2 to 10,000μv calibrated; Z: 50Ω.	Adler Electronics	SEL-62-232		P/O AN/URM-103()
SG-298()/U SG-298/U	Signal Generator	0.008cps to 2kc ±2% in 10 bands. Output: 30p-pv max. Output Z: 4kΩ. Voltages are transient free down to 0.008cps.	Hewlett-Packard 202A Parabam Inc WI	SIMSA-61-2443		U/W AN/MPQ-4A
SG-299/U	Signal Generator	1cps to 1Mc ±10%, 6 bands. Output: square wave; Z: 600Ω 0 to 55p-pv; Z:75Ω, 0 to 7p-pv. Contains sync input trigger circuit and 60db attenuator. Similar to SG-106/U.	Hickok Electrical Inst 902-296	SESA-58-101		
SG-299A/U	Signal Generator	Same description as SG-299/U.	Benrus Watch Co	SESA-58-183		
SG-299B/U	Signal Generator	Same description as SG-299/U.	Hickok Electrical Inst 902-333	SESA-59-279		
SG-300()/TSQ SG-300/TSQ	Target Identification Number Generator	Classified.		CRC-58-R-91		
SG-301()/GSM SG-301/GSM	Signal Generator	Supplies standard 100kc signal as base for counter of computer.		WDD-57-961		P/O AN/GSQ-33
SG-302()/GSM-16	Memory Test Signal Generator	Contains circuits used to test MX-2474/GSQ-33.	Burroughs-Detroit 10-14	WDD-57-1082		P/O AN/GSM-16
SG-303()/DJM-7 SG-303/DJM-7	Signal Generator	Connected to drive synchros and potentiometers, signals out are used for test.	A C Spark Plug 7900261	WDD-57-705		P/O AN/DJM-7
SG-304()/URM SG-304/URM	Pulse Generator	Used to modulate AN/URM-108 & ().	Waltham Electronics 31-D-147	CRC-58-70		P/O AN/URM-108 U/W AN/FRC-47

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SG-305()/URM SG-305/URM	Signal Generator	380 to 430Mc, crystal controlled. Stability: 3 parts in 10M per day. Output: 2mw to 140dbm.	Waltham Electronics 31-D-139	CRC-58-72		P/O AN/URM-109 U/W AN/FRC-47
SG-306()/URM SG-306/URM	Pulse Generator	20 to 20,000cps, 5w. Input Z: self-contained audio oscillator or 0.1MΩ external modulation term. Output Z: 0.02MΩ. Provides energy for Amplitude Modulating Signal Generator SG-305/URM.	Waltham Electronics	CRC-58-74		P/O AN/URM-109 U/W AN/FRC-47
SG-307()/U	Interference Generator	2 to 32Mc, set to read noise figure of receiver directly.		N-58-x-1098		
SG-308()/UGM-2	Telegraph Signal Generator	BAUD rates: 37.5, 41.66, 46.875, 50, 61.14, 75, 93.17, 112.5, 122.0, 140.6, 150.0, 183.0, 244.0 and 250.0. Generates square wave pulses and miscellaneous or recurring telegraph signals with a controlled amount of distortion at specific BAUD rates.		SEL-58-171		
SG-309()/FRC-47 SG-309/FRC-47	Signal Generator	10 to 480Mc, 5 bands, 0.1μv to 1v calibrated output, ±1db, Z output: 50Ω.	Hewlett-Packard 608C	CRC-58-108	MIL-R-26422	P/O OA-1661/FRC-47
SG-310()/UPM-97 SG-310/UPM-97	Pulse Generator	Classified.		AEL-58-304		
SG-311()/GRM	Signal Generator	Classified.		WDD-58-61		
SG-312()/GRM	Signal Generator	Classified.		WDD-58-62		
SG-313()/GRQ-2 SG-313/GRQ-2	Reference Signal Generator	Aural output related to time, generates 150cps reference signal for servo.	G E-Syracuse PL-308276G1	AEL-60-1229 (WDD)		P/O OA-1988/GRQ-2
SG-313A/GRQ-2	Reference Signal Generator	Output: aural 24 hour max continuous operating time. Generates reference signal gates necessary for the functional timing of receiver and generates 150cps signal for servo system and commutator in RF unit.	G E-Syracuse 7312601G1	WDD-60-17		P/O OA-1988A/GRQ-2
SG-314()/MPG SG-314/MPG	Electronic Marker Generator	Supplies a main gate 610μsec (100,000 yds) to the associated timing wave generator 7621570 which then oscillates at 82kc for a limited period of time.		ORDBA-0174	FCS-870	P/O AN/MPG-6 and 7
SG-315()/GSM-17 SG-315/GSM-17	Signal Generator	Tests plotters.	Burroughs-Detroit 11-02	WDD-57-1107		P/O AN/GSM-17
SG-316/MSE-2	Signal Generator	56cps and 168cps to test pitch and yaw of missile guidance.		ORDXE-16-58		P/O OA-758/MSE-2
SG-317/ARM-22	Pulse Generator	Random pulse repetition rate except fixed groups at 135cps; internal and external sync. Output: gaussian wave pulse (modulated 0 to 30%), 0 to 10v peak and 15v peak negative, 3.5μsec width; differentiated square pulse, ±10v peak, 10.0μsec width; composite 15 and 135cps, 40p-pv. Generates a pulse code AM signal.	Stromberg-Carlson Co	USN-58-ah-1411	MIL-T-19203A (AER)	P/O AN/ARM-22 U/W SG()/ARM-22 PP-()/ARM-22 FR-()/ARM-22
SG-318/ARM-22	Signal Generator	962 to 1024Mc ±0.005%, 1151 to 1213Mc ±0.005%, 2 bands, 126 frequencies, crystal controlled. Modulation: internal; pulsed with modulator pulses, 15 and 135cps; random pulse repetition frequency with fixed groups at 135cps, 0 to 30% modulation on 15 and/or 135cps. Output: 1mw max to 100db below 1mw; ±2db max variation. Measures receiver selectivity and sensitivity and detects RF interrogation pulses and measures power of the transmitter.	Stromberg-Carlson Co	N-58-ah-1412	MIL-T-19203A (AER)	P/O AN/ARM-22 U/W SG-()/ARM-22 PP-()/ARM-22 FR-()/ARM-22
SG-319()/TPW-1 SG-319/TPW-1	Reference Signal Generator	Generates pre-trigger and reference pulses, 81.94kc IF standard.	Sperry Gyroscope Co 5283-26037	WL-58-1688		P/O OA-2028/TPW-1()
SG-320()/GSN-7 SG-320/GSN-7	Reference Signal Generator	Produces sync pulses for entire equipment.	Union Switch & Signal	CRC-58-190		P/O AN/GSN-7
SG-321()/U SG-321/U	Signal Generator	Function generator: 30v sine, square or triangular outputs of 0.008 to 1200cps ±3% in 5 bands.		N-58-ah-1534		
SG-322/FPN-38	Pulse Generator	100kc, 500μsec repetition rate, internally synchronized, 8.9mv amplitude, 200μsec pulse width. Used to simulate received Loran - C pulses.	Sperry Gyroscope Co 1500956(40661-C-TPG)	N-58-ac-1727		P/O OA-2067/FPN-38
SG-323()/TSM SG-323/TSM	Reference Signal Generator	Classified.		AEL-58-547		
SG-323A/TSM	Reference Signal Generator	Output: visual 24 hour max continuous operating time. 80kc internal frequency standard. Generates digital link message of correct length and frame repetition rate for TDM data link.	Radio Corp of Amer 8321135-501	AEL-61-720		P/O AN/TSM-22A AN/TSM-28 AN/TSM-26A
SG-324()/GRM	Signal Generator	Classified.		WDD-58-216		
SG-325()/GRM	Pulse Generator	Classified.		WDD-58-242		
SG-326/WQM-3	Signal Generator	160cps to 160kc, 3 bands. Calibrated accuracy: ±1%. Metered output: 0 to 40v, 6w max pulser: 1 to 200μsec pulse width. Calibrated attenuator: 0 to 120db.	Dyna-Empire Inc 841-1000	USN-58-n-1913	MIL-I-19361A (Ships) Amend 1	P/O AN/WQM-3()
SG-327()/GRS-1 SG-327/GRS-1	Signal Generator	Classified.		WDD-58-148		
SG-328()/GRS-1	Signal Generator	Classified.		WDD-58-149		
SG-329()/GRS-1	Signal Generator	Classified.		WDD-58-153		
SG-330()/GRQ-2	Pulse Delay Generator	Generates delayed prf pulse and 100 yard gate pulses for range indications.	G E-Syracuse PL-7615404G1	WDD-58-304		P/O AN/GRQ-2() OA-1833/GRQ-2

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SG-331/DSM-32	Command Signal Generator	Classified.		N-58-ah-2103		
SG-332()/TLQ-11 SG-332/TLQ-11	Reference Signal Generator	Classified.		WL-58-2222		
SG-333()/WLR-1 SG-333/WLR-1	Pulse Generator	Classified.		USN-58-X-2266		
SG-334()/P	Signal Generator	3kc ±16.7%, 15kc ±6.7%, 30kc ±3.3% fixed frequencies. Modulation: external, FM, 30cps keyed repetition frequency, 0 to 800cps ±5%. Output: 50mv max signal, 500mv max noise, 2.7kΩ Z. Produces test signal for calibration of Radar Set AN/MPQ-33().		ORDXR-175-59		P/O OA-2516()/MSM-43
SG-335()/FPS-18	Electronic Marker Generator	Generates electronic pulses with respect to antenna azimuth angle, providing synchronizing reference. Magnetic pick-ups: 256 marks/rev and 1 mark/rev.	Bendix Aviation N658081-1	CRC-58-285	MIL-E-4158A (USAF)	P/O AN/FPS-18 U/W OA-897A/FPS-14
SG-336()/U	Signal Generator	20 to 40Mc, 50 to 70Mc; crystal controlled. Modulation: internal, pulsed. Output: 250mvrms, constancy of output within 0.05db/Mc, 50Ω Z. Used to align IF strips of radar receivers.	Kay Electric Co 380-A	SIMSA-61-2794		U/W AN/MPQ-4A
SG-337()/U	Thermal Noise Generator	Frequency range: 7.05 to 10.0kMc. For noise figure measurements in radar receivers.	Kay Electric Co 291-A 51U ARGON	SIMSA-61-147		U/W AN/TPS-35
SG-338/U	Thermal Noise Generator	Injects RF noise into radar set to measure noise figure. Fixed attenuation: 6.4db.	Emerson Electric Co ES-1940	N-59-T-215		P/O AN/KPQ-1
SG-339()/URM SG-339/URM	Signal Generator	108.1 to 111.9Mc, 20 channels; 329.3 to 335Mc, 20 channels; 200kc fixed; 90 and 150cps fixed RF. Provides frequencies for calibrating, aligning and maintaining the (ILS) equipment. Provides modulated RF at various percentages and with any of various ratios of 90 and 150cps audio modulating signal.		AEL-59-24		
SG-340/G	Signal Generator	450 to 1230Mc, 1% calibration accuracy. 0.1μv to 0.5 output ±1db. Modulation: internal AM, 400 to 1000cps, 0 to 90%.	Hewlett-Packard 612A	SESA-59-2073		
SG-340A/G	Signal Generator	450 to 1230Mc ±1%. Output: 0.1μv to 0.5v ±1db. Output Z: 50Ω. Modulation: internal, AM, 400 or 1000cps, 0 to 90% modulation, external AM, 20cps to 5Mc, 0 to 90% modulation.	Hewlett-Packard 612A	SIMSA-61-2545		
SG-341/FQQ-3	Noise Pulse Generator	Classified.		USN-59-h-830		
SG-342/G	Thermal Noise Generator	Generates 14.2db excess noise in 3100 to 3500Mc range to test radar receiver sensitivity and adjust RF amplifier bias voltage. Cancelled 11 September 1959.		USN-59-d 2020		P/O RT-430/T
SG-343()/UPM-15A SG-343/UPM-15A	Pulse Generator	0.05 to 10.0kc range, 3 bands, 50 to 10,000pps; single or double pulses, separated 2 to 30μsec; 0.5 to 100μsec width. Amplitude: 0 to 200v. Electrically interchangeable with TS-592B/UPM-15.	ARF Products	AEL-59-R-467	MIL-P-6324A Amend 1	P/O AN/UPM-15A
SG-344/URM-117	Signal Generator	162.25Mc in 16 discrete frequencies; crystal controlled frequency mixed with low frequency carrier and difference multiplied to produce output. Modulation: pulse, AM, 200 to 800cps, 4 to 8μsec, to 50%, internal; sine wave, FM, 100 ±5cps, 0 to 75kc deviation, internal; sine wave, FM, 50 to 35,000cps, 125kc deviation, external; noise, FM, 10 to 500cps, 0 to 1kc deviation. Output: -127 to -27dbm; Z: 50Ω.	Jowil Electronics	USN-59-ah-1269		U/W AN/ARR-26 AN/ARR-26A AN/ARR-58
SG-345()/U	Signal Generator	10cps to 5Mc, 6 ranges. 0 to 2vrms calibrated output. Step attenuator: 0 to 50db. CW modulation. Cancelled 9 October 1959. Never procured, stored or issued.		SESA-59-261		U/W AN/TRC-29 AN/GRC-66
SG-346()/U	Sweep Generator	10 to 100Mc range, 4 bands, internal sync sawtooth wave pulse, 2.5 to 250,000μv variable amplitude, positive polarity.		ORDBA-0249		P/O NIKE IV
SG-347()/U	Signal Generator	2cps to 10Mc range, 7 bands, ±1% calibration accuracy. Output calibrated: 0.001 to 10v, ±1db max variation.		ORDBA-0252		P/O NIKE IV
SG-351()/USD-1 SG-351/USD-1	Signal Generator	406 to 420Mc, ±0.01% calibration accuracy. 5 to 100,000μv output. Internal or external FM, 1 to 80kc; deviation, ±300kc. Crystal controlled.	Radioplane Northrop 57978	SESA-59-2290		P/O OA-2373/USD-1 OA-2382/USD-1
SG-352()/USM-108 SG-352/USM-108	Electronic Marker Generator	Source of 1μsec to 5sec time marker signals, 5, 10, 50Mc sinewaves and 1/10/100cps, 1/10/100kc trigger pulses. Calibrating source for scope sweeps, oscillators and counters.	Tektronix Inc 180A	SESA-59-141		P/O AN/USM-108() U/W AN/MPS-23()
SG-353()/ARM-56 SG-353/ARM-56	Signal Generator	225 to 399.9Mc; variable output power: 50w max. 20 channel control to automatically tune transmitter generator. RF output meter provided to measure forward and reflected power plus VSWR. Furnishes FM-FSK or continous wave power to power amplifier of Radio Transmitting Set AN/ART-40.	Electronic Commun 01-00227-000	AEL-61-1641		
SG-354/U	Interference Generator	Portable random noise generator, 150kc to 10,000Mc range; battery operated.	Thompson-Ramo-Wool	N-59-x-1504		
SG-355()/FSG-1 SG-355/FSG-1	Calibration Mark Generator	Generates simulated system trigger and radar video to check accuracy of stored data and prediction function of tracking channel.	Airborne Inst Lab 423-6253000	SESA-13452		P/O OA-2399/FSG-1
SG-356()/FSG-1 SG-356/FSG-1	Control Waveform Generator	Provides most of the synchronizing waveforms for operation of gap-filler tracking sub-system.	Airborne Inst Lab 423-6254000	SESA-13453		P/O OA-2399/FSG-1
SG-359()/FSG-1 SG-359/FSG-1	Channel Gate Waveform Generator	Used to generate a series of gate waveforms which are sent to the Multiplexer Unit TD-221/FSG-1 where they are used to control interlacing of the different track channel tag voltages in proper time sequences on to the sweep and tag bus.	Airborne Inst Lab 423-6261000	SESA-13496		P/O OA-2462/FSG-1

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SG-360()/FSG-1 SG-360/FSG-1	Gate Generator	A gate generator used for display purposes with remote data.	Airborne Inst Lab 423-6262000	SESA-13497		P/O OA-2462/FSG-1
SG-361()/U SG-361/U	Signal Generator	40 to 40,000Mc ±1%. Modulation: external and internal AM, FM and pulsed, 10 to 20,000cps, 0 to 100%. Max output: 100w (40 to 100Mc), 80w (1 to 10kMc, 40w (10 to 18kMc). Output Z: 50Ω. For evaluating and performing interference tests on antennas, predicting and siting of antennas and performing receiving susceptibility tests.		WL-59-1805		
SG-362()/FSG-1 SG-362/FSG-1	Gate Generator	Generates necessary signals for displaying assigned gap-filler tracks.	Airborne Inst Lab 1891	SESA-13521		P/O OA-2528/FSG-1(V)
SG-365/FPN-41	Pulse Generator	Simulates Loran-C radiated pulses. Used to calibrate and align phase-shifting networks of gear trains. RF pulse output every 500μsec.	Sperry Gyroscope Co 1501492	N-59-ac-2715		P/O OA-2572/FPN-41
SG-366/U	Pulse Generator	12 to 80Mc carrier pulsed at 400 to 4000pps of 0.25 to 20μsec width internally or externally synchronized.	Kay Electric Co 570A	SIMSA-62-114		U/W AN/APS-94 AN/PPS-4
SG-367()/U	Sweep Generator	Center frequency: 4 to 120Mc 6 bands. Sweep width:0 to ±5Mc; rate variable around 60cps. Sawtooth output 7.0v peak. 6 crystal markers ±0.05% accuracy. 0 to 50db attenuators.	Electronic Inst 866-A	SESA-59-284		U/W AN/PPS-4
SG-368()/DRM SG-368/DRM	Pulse Generator	Generates coded pulses to be fed into signal generator. Internal sync. Output: square wave, 1000Ω, 15v, negative polarity, 0.35μsec width.	Western Electric Co G-305157	WDD-59-3138		P/O AN/DRM-5,6,7, 8 and 9
SG-369()/DRM SG-369/DRM	Generator-Synchronizer	Timer determines if MBGE response time is within limits, counts clocking pulses and generates half and full steering orders. Stress timer stresses MBGE reciever timing gate and checks operation. Comparator checks MBGE response and steps programmer. Provides for automatically generating preselected sequence of tests.	Western Electric Co G-296867	WDD-59-3139		P/O AN/DRM-5,6,7, 8 and 9
SG-369A/DRM	Generator-Synchronizer	Determines if the time for the MBGE to respond to a command is within limits. Counts clocking pulses and generates half and full steering orders.	Western Electric Co G-296867	WDD-61-3104		P/O AN/DRM-5(V)
SG-375()/ALD-3 SG-375/ALD-3	Thermal Noise Generator	Generates a broad band of frequencies of low power. 10Mc to 10,000Mc, 0.25w.	Thompson Products Inc	AEL-60-122		P/O AN/ALD-3(V)
SG-376()/U	Signal Generator	20cps to 20kc ±2%. No modulation. Output: 2v/tone max, ±1db max variation throughout range; Z: 600Ω. All harmonic and intermodulation distortion products down at least 65db relative to single tone level. Contains two independently adjustable audio oscillators whose outputs may be mixed to form a composite modulating signal for single side-band transmitter.	Panoramic Radio Prod	N-60-X-514	SHIPS-G-2905	U/W TS-1379()/U
SG-377()/URM-127 SG-377/URM-127	Signal Generator	20 to 200,000cps, 4 bands. Output: 10vac. Used as general test oscillator in field for free point servicing of various radio equipments.	Taffet Electronics	AEL-60-287		P/O AN/URM-127
SG-378()/FPS-24 SG-378/FPS-24	Pulse Generator	Classified.		WL-60-1960		
SG-379()/GLA SG-379/GLA	Signal Generator	80 to 100kc, 1 band. Modulation: internal, FM, 1 to 5cps sawtooth, 0 to 20kc deviation. Output: 20v max, ±1.0db max variation throughout range, 1000Ω Z. Generates FM sine wave to test velocity response bandwidth.	Airborne Inst Lab 178668-1	WL-60-2887	MIL-V-26435	P/O OA-2972/GLA-8 OA-2893/FPS-35
SG-382/U	Signal Generator	8200 to 12,400Mc ±1%, 1 band. Modulation: internal and external AM, external FM and pulse. Output: ±1.5db throughout range; power variation less than 3db over entire range. Provides X-band RF for alignment of receiver portion of AN/DPN-62.	Hewlett-Packard 686A	SESA-60-2222		
SG-382A/U	Signal Generator	8200 to 12,400Mc; modulation: AM external or internal at 400 to 1200cps FM external of the receiver portion of the radar. Used at 4th and 5th echelon level for alignment.	Hewlett-Packard 686C	SIMSA-62-223		U/W AN/DPN-62(V)
SG-383/SPS-17	Pulse Generator	Classified.		N-60-b-688		
SG-384()/URM-129 SG-384/URM-129	Signal Generator	16 fixed frequencies between 162.25 and 173.5Mc. Modulation: FM at 10 to 500cps with 100cps to 100kc deviations internally and at 10cps to 35kc with 100kc deviation externally; AM pulsed at 1kc to 50%. Modulation differs from that of SG-344/URM-117.	Magnavox Co 708424-1	N-60-ah-917		P/O AN/URM-129 U/W AN/ARR-58
SG-385/M	Electronic Command Signal Generator	Classified.		ORDXR-68-60		
SG-386()/URM-130 SG-386/URM-130	Signal Generator	30Mc ±1.7%, fixed frequency. Modulation: external, AM, 20 to 500cps, 0 to 40db; internal pulsed, 1200pps, 0.7 to 28μsec pulse width. Output: 0 to 100dbm, 1mw max, 50Ω Z. Provides simulated 30Mc radar target at calibrated signal levels programmable in range, range rate and angular rate.	Magnavox Co 712228-1 193857 713747-801	NW-62-535		P/O AN/URM-130 AN/URM-130A U/W AN/APQ-83 AN/APQ-94
SG-387/FGA-5	Signal Generator	Fixed baud rates: 37/41/46/50/61/75/112/122/150/185/244; 11 fixed frequencies, 18.5 to 122cps, ±0.001% accuracy, crystal controlled. Output: 8 to 25ma calibrated.	Stelma Inc D7001	SIMSA-60-1699		P/O AN/FGA-5
SG-388()/AYQ-1 SG-388/AYQ-1	Reference Signal Generator	80 to 330kc. Output: digital pulse. Generates timing and control signals for memory read and write operations.	Burroughs-Detroit DAS-1250	AEL-60-761		P/O AN/AYQ-1

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SG-389( )/MSM-42 SG-389/MSM-42	Signal Generator	RF oscillator which provides pulsed and continuous wave signals for test band #3.	Airborne Inst Lab LRU-6-2	AEL-60-678		P/O AN/MSM-42
SG-390( )/MSM-42 SG-390/MSM-42	Signal Generator	RF oscillator which provides pulsed and continuous wave signals for test band #4.	Airborne Inst Lab LRU-6-3	AEL-60-679		P/O AN/MSM-42
SG-391( )/MSM-42 SG-391/MSM-42	Signal Generator	RF oscillator which provides pulsed and continuous wave signals for test band #5.	Airborne Inst Lab LRU-6-4	AEL-60-680		P/O AN/MSM-42
SG-392( )/MSM-42 SG-392/MSM-42	Signal Generator	RF oscillator which provides pulsed and continuous wave signals for test band #6.	Airborne Inst Lab LRU-6-5	AEL-60-681		P/O AN/MSM-42
SG-393( )/MSM-42 SG-393/MSM-42	Signal Generator	RF oscillator which provides pulsed and continuous wave signals for test band #7.	Airborne Inst Lab LRU-6-6	AEL-60-682		P/O AN/MSM-42
SG-394( )/MSM-42 SG-394/MSM-42	Signal Generator	RF oscillator which provides pulsed and continuous wave signals for test band #8.	Airborne Inst Lab LRU-6-7	AEL-60-683		P/O AN/MSM-42
SG-395( )/MSM-42 SG-395/MSM-42	Signal Generator	RF oscillator which provides pulsed and continuous wave signals for test band #9.	Airborne Inst Lab LRU-6-8	AEL-60-684		P/O AN/MSM-42
SG-396( )/MSM-42 SG-396/MSM-42	Impulse Noise Generator	Used for operational check of receiving antennas or receiving antenna groups.	Airborne Inst Lab LRU-6-13	AEL-60-688		P/O AN/MSM-42
SG-397/AQS-10	Variable Phase Shift	Classified.		N-60-a-1610		
SG-398( )/GKA-5(V) SG-398/GKA-5(V)	Reference Signal Generator	80 to 83.2kc, internal standards. Output: visual, related to time, 24 hours continuous operation. Provides signals for testing modules in AN/GKA-5(V).	Radio Corp of Amer 8317568-501	WL-60-3091		P/O OA-3015/GKA-5(V)
SG-400( )/U	Signal Generator	4,200 to 11,000Mc ±1% in 1 band. Square wave or FM modulation: 10 to 1000pps. Output: 0 to -127dbm ±2db 50Ω Z.	Polarad Electronics MSG-34	SIMSA-60-176		
SG-401( )/UPM-94 SG-401/UPM-94	Electronic Marker Generator	1/5/200 miles range. Markers generated with variable amplitudes.	Hazeltine Electronics	AEL-60-923		P/O AN/UPM-94
SG-402/URT	Signal Generator	Pairs of fixed frequencies at 3/6/12/21 and 30Mc; continuously adjustable for differences from less than 75cps to 0.1% of mean channel. Max difference: 10kc. Output: 0.1rmsv; attenuator adjustable to 10μv, 10% or 1μv constancy of output; Z: 50Ω.	Panoramic Radio Prod TTG-5	N-60-X-1990		P/O AN/URM-132
SG-403/URT	Signal Generator	100cps to 10kc ±1%. Output: +15 to -100dbm; ±0.5db variation throughout range; Z: 600Ω. Two oscillators whose outputs may be mixed to form a modulating signal side-band transmitter test.	Panoramic Radio Prod TTG-2	N-60-X-1999		P/O AN/URM-134
SG-404/UR	Radio Frequency Oscillator	2.5 to 40Mc (calibrated 0.5Mc below oscillator), four bands. Stable, continuous tuning oscillator-multiplier designed to provide injection signals when used with a spectrum analyzer.	Budelman Electronics RF-7a	N-60-X-2000		P/O AN/URM-134
SG-405/GPS-T2B	Sweep Generator	100 to 800pps, 60v, 2μsec width. Output: range sweeps and intensity gates. Generates sweep and associated positioning currents which control position of flying-spot scanner traces on problem film.	Radio Corp of Amer A-1	AEL-60-1053	MIL-S-26597A	P/O AN/GPS-T2B
SG-406( )/FSM-10 SG-406/FSM-10	Azimuth Change Pulse Generator Simulator	Supplies simulated azimuth change pulses and north mark pulses for testing purposes.	Lewyt Electronics D-16-104	CRC-60-156		P/O AN/FSM-10
SG-407( )/U	Sweep Generator	5 to 1200Mc and 2200 to 3800 ±0.1%, 2 bands, internal sync. Output: sawtooth, 50Ω Z.	Kay Electric Co 1000	SIMSA-60-215		U/W AN/MLQ-8
SG-408/URM-136	Signal Generator	3800 to 7600Mc ±1%, 1 band. Modulation: internal, FM, 40 to 4000cps, 0 to 3Mc deviation; internal, pulsed 40 to 4000cps, 0.5 to 10μsec width; external, FM, 0 to 4000cps, 0 to 5Mc deviation; external, pulsed 0 to 4000cps, 0.5 to 2500μsec width. Output: 0.1μv to 0.223v, ±2db max variation, 50Ω Z.	Hewlett-Packard H12-618B	N-60-T-2073		P/O AN/URM-136
SG-409( )/U	Signal Generator	10 to 480Mc ±1%, 5 bands. Modulation: internal, AM, 400 and 1000cps ±10%, 0 to 95% at 0dbm and below Output: 0.1mv to 1v, ±1db full range, 50Ω Z.	Hewlett-Packard 608C	SIMSA-60-169		
SG-410/USM-134	Signal Generator-Power Supply	Provides test signals and power to Servo Amplifier Analyzer TS-1477/USM-134.	Nortronics M-40039	N-60-ah-2322	MIL-T-945A MIL-T-20060 MIL-P-116	P/O AN/USM-134
SG-417( )/U SG-417/U	Signal Generator	RF signal source for use in testing the Electronic Reconnaissance Set AN/ALD-4. 30 to 480Mc, 28 channels.	DYMEC DY-5256C-3201	AEL-60-1287		P/O AN/GLM-1 AN/MLM-1
SG-418( )/U SG-418/U	Signal Generator	RF signal source in testing the Electronic Reconnaissance Set AN/ALD-4. 450 to 1000Mc, 7 channels.	DYMEC DY-5256C 3401	AEL-60-1288		P/O AN/GLM-1 AN/MLM-1
SG-419( )/U SG-419/U	Thermal Noise Generator	A calibrated noise generator, providing an unbalanced 50Ω output over a wide frequency range. Frequency range: 3 to 500Mc.	Kay Electric Co "Mega-Node" 403A	SIMSA-60-220		U/W AN/MPQ-4A
SG-420( )/FSA-21 SG-420/FSA-21	Digital Clock Pulse Generator	Produces 1Mc pulses for signal data converter group.	G E-Syracuse 7313270G1	WL-60-3756		P/O OA-3182/FSA-21
SG-421( )/FSA-21 SG-421/FSA-21	Digital Clock Pulse Generator	Provides facilities for generating reference signals. 1Mc internal frequency standard.	G E-Syracuse 7313269G1	WL-60-3760	AWCS-EPS-9	P/O OA-3182/FSA-21
SG-422( )/DSM-60 SG-422/DSM-60	Signal Generator	Classified.		N-61-W-19		
SG-423( )/DSM-60 SG-423/DSM-60	Signal Generator	Classified.		N-61-W-20		

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SG-424( )/DSM-60 SG-424/DSM-60	Signal Generator	Classified.		N-61-W-21		
SG-425/WQM-4	Signal Generator	160cps to 160kc ±1%, 3 bands. Modulation: keyed, 1 to 200msec width. Output: at least 45db/microbar at 1 yard over range of 5 to 160kc, constancy ±3db, 700Ω Z. Provides either CW or pulsed signals.	Daven Co D-10520-101	N-61-n-74	MIL-T-19361 (SHIPS)	P/O AN/WQM-4
SG-426( )/FSA SG-426/FSA	Reference Signal Generator	Generates the reference signals which are inserted into the velocity indicating coherent integrator circuitry.	G E-Syracuse 7621567G1	WL-60-4563		P/O OA-3247/FSA-31 OA-3249/FSA-30
SG-427( )/U	Thermal Noise Generator	200 to 2600Mc. Output Z: 50Ω. Requires SWR of less than 1.1 to obtain accurate results. Provides noise to IF strip for measurements. Requires suitable power sources.	Airborne Inst Lab 07010	SIMSA-61-118		
SG-428( )/FSA SG-428/FSA	Pulse Generator	0 to 1Mc, 1 band, external sync. Output: square wave, negative and positive polarity; Z: 2000Ω; amplitude: 20v; width: 40μsec. Pulses used in monitoring equipment circuitry.	G E-Syracuse 7744822G1	WL-61-R-2222		P/O OA-3248/FSA-30 OA-3250/FSA-31
SG-429/DSM	Signal Generator	200 to 350kc and 200 to 201kc ±1%, 2 bands. Output: 160mw max, ±1db max variation, 600Ω Z.	Hewlett-Packard H02-200TR	N-61-W-182		P/O CM-122/DSM
SG-430( )/GGM SG-430/GGM	Time Base Generator	Baud rates: 37.50/45.54/61.14/74.24/112.50 and 150.00. Provides timing signals to Teletypewriter Test Set TS-1512/GGM and Test Pattern Generator SG-431/GGM for test and analysis. Generates square wave pulses and miscellaneous or recurring telegraph signals with controlled distortion.	Stelma Inc TBG-5	SEA-61-323		P/O AN/GGM-1,2
SG-431( )/GGM SG-431/GGM	Test Pattern Generator	A transistorized pattern generator that transmits "quick brown fox" test messages, repeated characters, or reversals.	Stelma Inc FG-105	SEA-60-325		P/O AN/GGM-1,2
SG-432( )/FSA SG-432/FSA	Signal Generator	Frequency range: 0 to 200Mc, 1 band, 0.75v max, 50 and 90Ω output impedance.	Telonic Eng'r Corp HD-3GE5090	WL-61-1927		U/W AN/FSA-30,31
SG-433( )/GRM SG-433/GRM	Signal Generator	400cps fixed frequency, 1 band. Output: 10.8 and 21.6v, 5.1kΩ Z. Provides square wave to calibrate peak detector circuit and digital voltmeter in the missile guidance test set.	G E-Utica	WDD-61-185		U/W AN/GRM-13 AN/MRM-5
SG-434( )/MWM-1 SG-434/MWM-1	Reference Signal Generator	Electronics Data-AC: 8 to 20v, 75 cycles spinlens reference.	Radio Corp of Amer 8313101-504	AEL-61-225		P/O AN/MWM-1
SG-435/SPQ-8	Reference Signal Generator	Generates 82kc crystal controlled master timing voltage and 410/512/585pps prf.	Reeves Inst 163936	N-61-b-1194		P/O OA-3433/SPQ-8
SG-436/MPS-11A	Test Pulse Generator	Generates video pulse burst for use in correlator checkout and alignment. Also used to trigger RF signal generator and aid in MDS measurements. Input: radar prf trigger and azimuth 30° angle marks.	Temco Electronics 900-00194-1	N-61-T-1272		P/O OA-3441/MPS-11A
SG-438( )/FPS-35 SG-438/FPS-35	Sweep Generator	Supplies 30 to 300cps sawtooth wave to the spectrum analyzer amplifier.	Sperry Gyroscope Co 1019398	WL-61-2081	MIL-R 9615A	P/O AN/FPS-35
SG-439/U	Noise Generator	30cps to 5Mc, 1 band, random noise type.	General Radio Co 1390BS2	N-61-n-1444		P/O OA-3451/FQA-4(V)
SG-440/FQA-4(V)	Signal Generator	50kc to 65Mc ±1%, 6 bands. Modulation: internal, AM, 0.4 to 1kc, 0 to 100%; external, AM, dc to 20kc, 0 to 100%. Output: 0.1μv to 3v into 50Ω resistive load, ±1db into 50Ω load; Z:50Ω. For checking frequency response of components of Sonar Signal Processing Group AN/FQA-4(V).	Hewlett-Packard G-330491	N-61-n-1445		P/O OA-3451/FQA-4(V)
SG-441/FQA-4(V)	Signal Generator	5cps to 600kc ±2%, 5 bands. Output: 160mw max, ±1db variation; Z: 600Ω. Provides for variable amplitude. Similar to SG-188/FQQ.	Hewlett-Packard G-330493	N-61-n-1435		P/O OA-3452/FQA-4(V)
SG-442/FQA-4(V)	Sweep Generator	60cps fixed frequency, 60pps, internal sync. Output: sawtooth wave pulse; amplitude (p-p): 7vac; Z: 470kΩ; pulse width: 0.083sec. Provides wide band sweeping signal used in aligning and testing video and IF circuits.	Kay Electric Co G-356060	N-61-n-1436		P/O OA-3452/FQA-4(V)
SG-444/GSQ-56	Signal Generator	Cancelled 22 September 1961.		WDD-61-3941		
SG-445( )/U	Pulse Generator	4.2 to 11kMc, one band, internal and external sync, 10 to 10,000cps pulse repetition rate. Pulse width: 0.2 to 10μsec. Output: 1mw, 50Ω Z, pulse modulation. Provides means of testing broad and narrow band microwave systems and components. Cancelled 10 September 1962. Never procured.		USAEMSA-62-460		
SG-446( )/GPM-50 SG-446/GPM-50	Pulse Generator	Not rated for range, 5 bands, 20cps to 2Mc pulse, internal and external sync. Output: square wave; amplitude: 25v, positive and negative polarity; Z: 50Ω; width: 0.05 to 10,000μsec. Generates recurring pulse used in testing plug-in units.	Rutherford Electronics SF-018	WL-61-2537		P/O OA-3473/GPM-50
SG-447/FRA	Signal Generator	Four separate fork controlled audio frequencies; one at 1kc even controlled; three unspecified. Provides basic frequency for synthesization.	Westrex Co 179-10-03-00	N-61-Y-1498		P/O OA-3368/FRA
SG-448( )/MRM-6 SG-448/MRM-6	Reference Signal Generator	Generates a RF pulsed signal and monitors the output power, trigger, pulses, input power and frequency.	G E-Utica 7969628G4	WDD-61-200		P/O AN/MRM-6 OA-1848/MRM-6
SG-449( )/APS-104 SG-449/APS-104	Thermal Noise Generator	Classified.		AEL-61-604		
SG-450/WLM-2	Interference Generator	Frequency range: 150kc to 10,000Mc, 1 band, random noise type generator.	Thompson-Ramo-Wool 06-601520	N-61-X-1614	MIL-T-21901 MIL-E-16400C	P/O AN/WLM-2 U/W AN/WLR-1,3 AN/BLR

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SG-451()/AJM-12 SG-451/AJM-12	Signal Generator	Used in generating "step" input signals for dynamic testing of the inertial reference group.	Vought 401-30560-1	AEL-61-625		P/O AN/AJM-12
SG-452()/CPN-18 SG-452/CPN-18	Thermal Noise Generator	2700 to 2900Mc resonant output frequency. Used as standard noise source and to determine with other equipment the noise frequency of radar systems.	Tucor Corp SK10117	RONE-61-53		P/O AN/CPN-18,A,C,D
SG-452()/CPN-18C SG-452/CPN-18C	Thermal Noise Generator	Same as SG-452/CPN-18.	Tucor Corp 45-032	RONE-63-R-67		P/O AN/CPN-18C
SG-453()/U	Thermal Noise Generator	30cps to 20kc ±1db, 30cps to 500kc ±3db, 500kc to 5Mc ±8db. Generates wide band noise of uniform spectrum level suitable for testing.	General Radio Co 1390A	SIMSA-61-4143		U/W AN/APN-129(V)
SG-454/MPS-23	Thermal Noise Generator	30 or 60Mc resonant output frequency, switch selected; input Z: 50Ω. Used to determine the thermal noise level of an amplifier.	Hughes Aircraft Co 556104-100	SIMSA-61-2676		P/O OA-3549/MPS-23
SG-456()/URM-142 SG-456/URM-142	Electronic Command Signals Generator	Generates the command signals for the checkout of the airborne decoder.	General Dynamics/Elec E48-900228	WDD-61-102	MIL-E-4158B MIL-T-945A	U/W AN/URM-142
SG-457/MSM-34	Pulse Generator	Supplies any selected bit pattern of a word to the work benches. The outputs of three word generators supply three words and their respective complements, providing six word patterns at a time; external sync.	Hughes Aircraft Co 507020-100	SIMSA-61-2816	SCTR ADA-21 A W/Amend 1	P/O AN/MSM-34
SG-458()/GYK-2 SG-458/GYK-2	Reference Signal Generator	Generates test messages representative of those prevailing in the field and determines whether equipment under test processes these messages in the intended manner.	Radio Corp of Amer 1193061-502	WDD-61-5963		U/W AN/GYK-2
SG-459/MSM-34	Digital Square Wave Generator	0 to -6v; external sync; calibrated at 170kc; coupled into a cathode follower. Contains a monostable multivibrator. Inputs: OA-3562/MSM-34 and SB-1480/MSM-34 (3 system voltages, 2 system grounds, 1 digital signal, 1 to 150vdc).	Hughes Aircraft Co 507104-100	SIMSA-61-2839	ADA-21 A W/Amend 1	P/O OA-3562/MSM-34
SG-460/MSM-34	Pulse Generator	Provides a 524.3kc clock pulse (0 to 6vdc negative) used by the digital element tester.	Hughes Aircraft Co 507304-100	SIMSA-61-2840	ADA-21A W/Amend 1	P/O OA-3562/MSM-34
SG-461()/APN-59B SG-461/APN-59B	Electronic Marker Generator	Provides circuitry which with generator control provides calibrated range pulse and azimuth strobe to Electronic Synchronizer SN-198/APN-59 or Azimuth and Range Indicator IP-239A/APN-59 when utilized in AN/APN-59B.	Sperry Gyroscope Co	AEL-61-802	MIL-R-25527	U/W AN/APN-59B
SG-462()/APM-166 SG-462/APM-166	Signal Generator	IF doppler simulator capable of producing shaped noise spectra at precise frequencies removed from 500kc as dictated by IF doppler selector. Capable of operation in a signal noise, background noise, signal noise plug background noise, and sine wave mode.	Lab For Electronics 58321-1	AEL-61-794	MIL-T-21200	P/O OA-3609/APM-166
SG-463()/APM-166 SG-463/APM-166	Signal Generator	Provides doppler modulation frequencies for IF signal generator. Four frequencies available in various combinations to form five different three channel test problems. Complete unit test can be performed on the frequency converter-tracker unit of AN/APN-105 or AN/APN-131.	Lab For Electronics 64752-1	AEL-61-795	MIL-T-21200	P/O OA-3609/APM-166
SG-464()/APM-166 SG-464/APM-166	Signal Generator	A precision 9Mc sine or noise spectrum generator and power meter. Heterodynes the 500kc sine or noise output obtained from the IF signal generator to 9Mc.	Lab For Electronics 58324-1	AEL-61-799	MIL-T-21200	P/O OA-3610/APM-166
SG-465/UNQ-7	Signal Generator	1000cps ±0.0001%, tuning fork controlled; output: 45mw max; output Z: 500 to 5000Ω.		N-61-m-2015		U/W AN/UNQ-7
SG-466()/ARM-56 SG-466/ARM-56	Signal Generator	Frequency range: 225Mc to 399.9Mc (20 channels) output: various servo voltages.	Electronic Commun 01-002300-000	AEL-61-1645		P/O OA-3681/ARM-56
SG-467/SPN-10	Stabilization Data Generator	Used to analyze the ship's motion and produces corresponding analog signals which are added to the navigational and tracking computer.	Bell Aerosystems Co 17-02090-1	N-61-b-2274		P/O AN/SPN-10
SG-468()/UPM-96 SG-468/UPM-96	Thermal Noise Generator	Provides calibrated amount of noise for determining the thermal noise level of a radar receiver amplifier. Output Z: 75Ω.	Airborne Inst Lab 109578-1	SIMSA-61-557		P/O AN/UPM-96
SG-469/GPA-106(V)	Sweep Generator	50kc to 5Mc, 10Mc, or 20Mc including 6 markers; output data: 0 to 5v calibrated, 70Ω. Part of radar data distribution group.	Kay Electric Co	N-61-b-2381		
SG-470/MSM-34	Test Signals Generator	Generates signals for use in the digital element tester.	Hughes Aircraft Co 507019-100	SIMSA-61-4147	ADA-21A W/Amend 1	P/O AN/MSM-34
SG-471()/SKQ-1 SG-471/SKQ-1	Reference Signal Generator	Supplies composite modulated signals to the Recorder-Reproducer, Telemetric Data RD-245/SKQ-1, demodulates playback from the recorder-reproducer.		N-61-W-2482		P/O AN/SKQ-1
SG-472()/ARM-57 SG-472/ARM-57	Signal Generator	225 to 399.9Mc; output: 0 to 5v, not calibrated; output Z: 400Ω.	Electronic Commun 01-00269-000	AEL-61-1729		P/O OA-3724/ARM-57
SG-473/FPN-43	Pulse Generator	Internal sync not calibrated. Output: sine wave; Z: 100Ω; amplitude: 3.0v p-p; continuous series of simulated RF pulses spaced every 500μsec. Used in calibrating and aligning phase shifting networks of slave envelope and cycle gear trains.	Sperry Gyroscope Co 4223-96217	N-61-ac-2527		P/O OA-3730/FPN-43
SG-474/FQQ-9(V)	Signal Generator	100cps to 300kc ±15cps; one band; crystal controlled. Provides for transmission measurements on submarine cable.	Western Electric Co GA11642	N-61-n-2808		P/O OA-2928/FQQ-9(V)
SG-475()/APS-94	Pulse Delay Oscillator	20 to 2000cps; two ranges; internal and external sync; calibration delay: 1.0 to 999.9μsec in increments of 0.1μsec. Output: pulse, Z:100Ω, 0 to 40v amplitude, positive polarity, 1μsec pulse width. Scope trigger: 25v amplitude, positive polarity. Furnishes time delay pulses for calibration of video presentation on radar scope.	Orbitran Co 1000-A	SIMSA-61-605		P/O AN/APS-94
SG-476/TPS-34	Gate Trigger Generator	Classified.		N-62-T-247		

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SG-477()/GYM-1 SG-477/GYM-1	Signal Generator	Provides various test messages to test the data analysis centrals.	Radio Corp of Amer 8324153-501	WDD-62-5936		P/O AN/GYM-1
SG-478()/GTM-3 SG-478/GTM-3	Signal Generator	Provides a fixed 1000cps 1.5v test tone to the drawer or hardened voice cable of the telephone equipment under test.	Radio Corp of Amer 1272136-501	WDD-62-6017		P/O AN/GTM-3
SG-479()/GRM-50	Signal Generator	50kc to 65Mc in 6 bands and 400cps to 1000cps fixed all within ±1%; output: 0.1μv to 3v within ±1db over entire frequency range; output Z: 50Ω; modulation data: AM pulsed internal or external.	Hewlett-Packard 606A	SIMSA-62-2837		P/O AN/GRM-50()
SG-480()/FPS-35 SG-480/FPS-35	Signal Generator	200kc fixed frequency; no accuracy of calibration rating. Modulation: internal, FM, 3.3 to 3.5Mc, 0 to 200kc deviation. Output: 1v max, no Z rating. Provides sweepfrequency which is fed to an integrator or cancellor during test to permit recording.	Sperry Gyroscope Co 1017421	WL-62-1650	MIL-R-9615A	P/O OA-3886/FPS-35
SG-481()/USM-129 SG-481/USM-129	Pulse Generator	0.3 to 40kMc 1 band; 20cps to 20Mc repetition rate of pulse or notch. Externally synchronized; pulse width: 0.05 to 10,000 microseconds with attenuation of 50db in 10db steps.	Rutherford Electronics RUT B7B	ORDBA-62-0345		P/O MK-600/USM-129
SG-482()/A SG-482/A	Electronic Marker Generator	Range type; 2000/8000/40,000yds, 1/4/20 nautical miles. For calibrating AN/APA-15 internally, outputs of TD-314/ASA-25 and slew output of AN/ASA-13 and associated equipment. Generates sync triggers.	Martin Co 41-1095100	N-62-W-605		U/W IP-414A/APA-125 TD-314/ASA-25
SG-483()/FSA-37 SG-483/FSA-37	Pulse Generator	1.048576Mc fixed, 480 to 960kc 1 band externally synchronized square pulse of 3.0μsec duration.	Radio Corp of Amer 864845-501	WL-62-2245		P/O AN/FSA-37
SG-484()/ARM-61 SG-484/ARM-61	Signal Generator	406 to 420Mc in 15 fixed frequencies crystal controlled to 0.01%; output: 1 to 100,000μv with 52Ω output impedance. Modulation data: external, FM keyed.	Babcock Radio Eng BSG-BG	N-62-W-462		P/O AN/ARM-61
SG-485/TSQ-18	Reference Signal Generator	800 to 1150cps. Output: 250 to 750mv, Z: 50Ω. Gives test signal for adjusting all similar amplifiers to uniform gain setting. Provides an "alert" signal to GCA controller indicating radio controlled externally.		N-62-T-1069		P/O OA-3997/TSQ-18 OA-3998/TSQ-18
SG-486/SPG-49A	Pulse Generator	2 bands 50 to 70 to 200 pulses per sec; internally synchronized; 40 to 175, 60 to 300, or 250 to 1200μsec pulse width controlled by external voltages.	Sperry Gyroscope Co 1040194	N-62-W-1054		P/O OA-2352/SPG-49A
SG-487/SPG-1	Signal Generator	Generates two signals, one of which is used to drive the traverse member and the other synchronizes the elevation scan generator and also has a blanking effect on a portion of the indicator.	Sperry Gyroscope Co 1040172	N-62-W-1055		P/O OA-3994/SPG-49A
SG-488/SPG-49A	Signal Generator	Generates two signals, one of which is used to drive the elevation member of the mount and the other has a blanking effect on a portion of the indicator during certain periods.	Sperry Gyroscope Co 1040175	N-62-W-1056		P/O OA-3994/SPG-49A
SG-489/SPG-49A	Signal Generator	400cps and 17,500Mc fixed; delivers 130v max at 400cps and 1.5w max at 17,500Mc providing pump power signal and operating voltage for power supply assembly.	Sperry Microwave Elec 2679573	N-62-W-1057		P/O AN/SPG-49A,49B
SG-490()/F SG-490/F	Signal Generator	A pulse generator. 1Mc square wave pulse; 1 band; 1Mpps; amplitude: -4.5 to 0v; pulse width: 2μsec; 1kΩ connected to -16.5vdc//1000μμf to ground.	Radio Corp of Amer 8605875-501	WL-62-2324		P/O OA-4011/FSQ-42 OA-4017/F
SG-491()/ASM-16 SG-491/ASM-16	Signal Generator	12 fixed frequencies; output 0dbm to -129dbm. Used to test the frequency band of the Electronic Reconnaissance Set AN/ASQ-32.	Ramo-Wooldridge Co	AEL-62-299	MIL-T-27862	P/O AN/ASM-16
SG-492/DSM-18C	Signal Generator	0.4cps, 1cps, 400 cycles fixed frequency to within 1% output: 30v p-ps; internal modulation.	Bendix Aviation Corp	N-62-W-1155		P/O OA-4031/DSM-18C
SG-493/DSM-18C	Signal Generator	Frequency: see MIL-T-22321 (Wep); 2 bands. Modulation: internal, FM, 30cps ±5% prf; max output: 15v p-p; Z: 500Ω. Generates signals for time interval and amplitude modulating the microwave signals generated in the test set.	Bendix Corp-York	N-62-w-1158		P/O OA-4032/DSM-18C
SG-494/DSM-18C	Signal Generator	Frequency: see MIL-T-22321 (Wep); accuracy of calibration: 0.045μsec; modulation: external, pulse and AM. Generates microwave signals required in missile testing and modulated elsewhere to simulate signals seen by missile in flight.	Bendix Corp-York	N-62-w-1162		P/O OA-4033/DSM-18C
SG-495()/FPS-6C SG-495/FPS-6C	Reference Signal Generator	Output related to elevation nod scan amplitude. Generates elevation error signal.	G E-Syracuse 7316266G-1	RONE-62-30		P/O OA-4086/FPS-6C
SG-496/GPN	Thermal Noise Generator	2740 to 2900Mc range, 50Ω output impedance. Provides known amounts of noise to determine relative noise figure (N.F.) of antenna system.	Hazeltine Electronics 102673	N-62-b-1306	SHIPS-F-3261H	P/O AN/FPN-28 OA-4096/MPN-5
SG-499/SPM-15	Pulse Generator	Repetition rates: 100cps, 10/16/42 and 330kc rectangular pps; pulse widths: 0.4/0.5/1.5/2 and 2μsec duration of amplitude -20, +20, -20,-4 and +20v respectivily with output Z of 200Ω and 20v square with output Z of 500Ω.	Raytheon-Lexington 4131	N-62-W-1483	BuWeps OS-12482	P/O OA-4120/SPM-15
SG-500/SPM-15	Signal Generator	5cps to 600kc ±2% in 5 bands. Output: 20v, Z: 600Ω.	Raytheon-Lexington YE-4123-1001P1	N-62-W-1484	USN BuWeps OS 12482	P/O OA-4120/SPM-15
SG-501()/FPA SG-501/FPA	Signal Generator	1 band 190 to 210kc; output of -4.5v within 1.24db. 2370Ω output impedance.	Radio Corp of Amer 1029764-501	WL-62-3265		P/O OA-4141/FPA-20 OA-4141/FPA-21 OA-4139/FPA-21
SG-502()/FSC-5 SG-502/FSC-5	Signal Generator	Generates a gated 1.5kc test signal to simulate the idle-busy signal originating from the rearward communication system.	Radio Corp of Amer 8618912-501	WL-62-3446		P/O OA-4158/FSC-5
SG-503()/FSQ-42 SG-503/FSQ-42	Signal Generator	0 to 25cps in 3 bands accurate to ±3%; 30v constant within ±5db over frequency range. Simulates scintillation.	Radio Corp of Amer 1009362-501	WL-62-3464		P/O OA-4142/FSQ-42 OA-4143/FSQ-42

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SG-504()/AAM-7 SG-504/AAM-7	Video Signal Generator	Receives video signals and converts them to electrical signals which are fed to Infrared Receiver R-1057/AAM-14 for testing the AN/UAS-4.	HRB-Singer Inc 60691	SIMSA-62-2835		P/O OA-4200/AAM-7
SG-505()/UCM SG-505/UCM	Signal Generator	1kc ±4cps; output: 8dbm across 600Ω max load; Z output: 300Ω. Provides test signal to line up multiplexer set.	Lenkurt Electric Co 790-0258-01	WL-62-3538		P/O AN/GCM-2 AN/FCC-17
SG-506/U	Sweep Generator	200cps to 220Mc, 12 bands; fixed 30cps (logarithmic sweep); fixed 60cps (line-lock mode); internal sync (200cps to 220Mc); crystal controlled (10 to 220Mc). Output: sawtooth type, 70Ω nominal and 600Ω; high level RF output: 1.0rmsv into 70Ω; sawtooth low Z output: approx 7v p-p; 0.5 and 1rmsv (variable) at 600Ω.		N-62-X-1827		P/O SG-507/U
SG-507/U	Electronic Marker Generator	35/65/95/425 and 485kc intended for use with ligna-sweep model SKV Sweeping Generator.		N-62-X-1828		P/O SG-506/U
SG-508/U	Signal Generator	200 to 510kc ±10kc and 2 to 3.5Mc ±100kc. Optional crystal control. Output: 2mv/meter 200ft rated min.	Inland Elec Corp D-672-100	N-62-AC-1849	EEE-32-62	
SG-509()/FPS-74 SG-509/FPS-74	Thermal Noise Generator	10 to 300Mc. 0 to 16db relative excess noise temperature. Permits manual or automatic noise measurements for 0 to 36db for AN/FPS-74.	Airborne Inst Lab 07006	WL-62-3919		U/W AN/FPS-74
SG-510/U	Signal Generator	20cps to 20kc ±1% in 3 bands. Output: 42.5v max, Z: 600Ω.	Hewlett-Packard 201C	N-62-T-1941		
SG-511/U	Signal Generator	50kc to 65Mc ±1% in 6 bands. Modulation: AM 0.4/1kc ±5%. External, 0 to 20kc, 100%. Output: 0.1μv to 3v, Z:50Ω.	Hewlett-Packard 606A	N-62-T-1942		
SG-512()/FPS-74 SG-512/FPS-74	Sweep Generator	2 to 4kMc; 7 bands; 400 to 1200pps; internal sync (2 to 4kMc ±1%). Output: square wave pulse; Z: 50Ω; amplitude: 0.707v; pulse width: 0.0135 to 135sec. Supplies pulsed RF for checking circuits of radar set.	Hewlett-Packard 683C	WL-62-3916		P/O AN/FPS-74
SG-513()/FPS-74 SG-513/FPS-74	Thermal Noise Generator	2.6 to 3.95kMc, 15.3 ±0.25db relative excess noise temperature.	Airborne Inst Lab 07048	WL-62-3918		U/W AN/FPS-74
SG-514()/GR SG-514/GR	Reference Signal Generator	Provides 1.0Mc and 100kc with a stability better than 1 part 10⁸ per day after warm up.	Republic Electronics 3600102	WL-62-4140	MIL-R-27096	P/O OA-4374/GR
SG-515()/FLR-9(V) SG-515/FLR-9(V)	Binary Code Generator	Input: 80 lines carrying negative 4msec pulse at 250cps. Output: 16 lines beam identification in parallel binary code.	Sylvania Products 02-724970-1	WL-62-3655		P/O AN/FLR-9(V)
SG-516()/FLR-9(V) SG-516/FLR-9(V)	Binary Code Generator	Same description as SG-515/FLR-9(V).	Sylvania Products 02-725131-1	WL-62-3656		P/O AN/FLR-9(V)
SG-517()/FLR-9(V) SG-517/FLR-9(V)	Binary Code Generator	Same description as SG-515/FLR-9(V).	Sylvania Products 02-725144-1	WL-62-3657		P/O AN/FLR-9(V)
SG-518()/GRC-117(V) SG-518/GRC-117(V)	Signal Generator	140.40/143.76/143.88/149.31/255.70/255.80/262.30/271.10Mc all ±0.00025% fixed frequencies. Crystal controlled. Output: 0 to -132dbm ±0.5db calibrated Z: 50Ω. External or internal modulation.	G E-Lynchburg 19E500600G1	WDD-62-9321		U/W AN/GRC-117(V)
SG-520()/URM-147 SG-520/URM-147	Electronic Command Signals Generator	Generates command signals for the checkout of the airborne decoder. The generator has capability of measuring delay and hold times of the discrete and testing the pitch and yaw.	G E-Syracuse E43-900228G2	WDD-62-10141	MIL-E-4158B MIL-T-945A	P/O AN/URM-147
SG-521()/GRA-73 SG-521/GRA-73	Reference Signal Generator Assembly	Selects the output frequencies generated by each of the three high stability SG-514/GR and provides stable phase.	Republic Electronics 3600201	WL-62-5045	MIL-G-27098	P/O AN/GRA-73
SG-522/U	Signal Generator	0.008 to 1200cps ±3% from 0.8 to 1.2 and ±2% from 1.2 to 12 on dial. 5 bands. Output: 30p-pv at 40Ω Z. Sync pulse available for external use.	Maxson Elec Corp 180	N-62-X-2542		
SG-523/UNQ-7	Signal Generator	1kc ±0.0025% fixed frequency. Output: 45μw into matched load, Z:50/500/5000Ω. Tuning fork element.	Dayton Elec Prod Co TDO-106-1000	N-62-M-2543		U/W AN/UNQ-7
SG-525()/FPS-35 SG-525/FPS-35	Signal Generator	Provides nominal 1 or 6μsec pulse 27Mc signal.	Sperry Gyroscope Co 1019179	WL-62-5462		P/O AN/FPS-35
SG-526()/FPS-35 SG-526/FPS-35	Frequency Calibrator	27Mc ±145kc (2each). dc power requirements.	Sperry Gyroscope Co 2378951	WL-62-5454		P/O AN/FPS-35
SG-527()/UPM-125 SG-527/UPM-125	Signal Generator	925 to 1225Mc. Pulsed RF signal. Output: -21 to -121dbv when terminated into 50Ω.		AEL-62-842		P/O AN/UPM-125
SG-528()/V SG-528/V	Pulse Generator	25 to 4000cps. Delay: 0.1 to 5000μsec on either channel. Output: 0 to ±10v, 0.1 to 1000μsec into 400Ω. Delayed sync from one channel only.	Admiral Corp P-AD479	NW-62-655		
SG-529()/U SG-529/U	Code Generator	In conjunction with TS-1253/UPM provides two SIF code trains having full capability of presenting any code.	Admiral Corp P-AH481	NW-62-654		
SG-530()/FRQ-11(V) SG-530/FRQ-11(V)	Frequency Calibrator	70/75/ 0Mc ±0.02%. Crystal controlled. Output: 0 to 0.1v, Z:50Ω.	Motorola-Chicago 01-85008B-01	WL-62-5716		U/W AN/FRQ-11(V)
SG-531/FPS-37A	Pulse Generator	360pps spike wave pulse external sync. Output: 1.9kv, 300μsec width, Z:6MΩ. Used gas discharge noise tube.	G E-Syracuse 7647877G1	N-62-B-2725		P/O OA-4618/FPS-37A
SG-532()/FPA SG-532/FPA	Pulse-Sweep Generator	300 to 600kc in 1 band. 100 to 1000pps. Internal and external sync. Output: +5v, Z:75Ω, 1μsec width.	Hazeltine Electronics 102514	EMSA-63-2015		P/O OA-4649/FPA-15 OA-4650/FPA-16
SG-533()/TSM-50 SG-533/TSM-50	Signal Generator	225.0 to 399.9Mc ±2kc, 1750 fixed frequencies. Crystal control. Output: 1μv to 0.2v, Z: 50Ω.	Radio Corp of Amer 8642339-501	AEL-63-37		P/O AN/TSM-50
SG-534()/DRM SG-534/DRM	Electronic Command Signals Generator	14 to 28 command signals generated for use in testing equipment of airborne beacon guidance system.	G E-Syracuse 48E901193G1	WDD-63-10159		P/O AN/DRM-17 AN/DRM-18

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SG-535()/FSA-39 SG-535/FSA-39	Signal Generator	30/60Mc ±1% fixed frequencies, crystal control. Output: 500mw and 2.5w, Z 50Ω.	G E-Syracuse SK-69083-866-8	WL-62-6321		P/O AN/FSA-39
SG-538()/TRC-66A SG-538/TRC-66A	Signal Generator	4.37 to 5.07kMc. Has tunable varactor cavity where a high order harmonic of the oscillator-multiplier output is generated.	Radio Receptor-GIC 8349363	WL-63-1498		P/O OA-4764/TRC-66A
SG-539()/FPS-7E SG-539/FPS-7E	Pulse Generator	244pps, external sync. Output: sawtooth +8mv to +1v, Z: 50Ω, 8μsec width.	G E-Syracuse 77C703318G1	WL-62-5755		P/O OA-4768/FPS-7E
SG-540()/FPS-7E SG-540/FPS-7E	Pulse Generator	Same description as SG-539/FPS-7E.	G E-Syracuse 77C703320G1	WL-62-5754		P/O OA-4768/FPS-7E
SG-542()/FSQ-31 SG-542/FSQ-31	Tachometer Assembly Generator	Permits visual observation, on oscilloscope, of the tape drive stop clutch and up-or-down clutch operations. Output: 7.0v/1000rpm.	IBM Corp 3690651	WL-63-1712		U/W AN/FSQ-31
SG-543()/U	Signal Generator	5cps to 560kc ±3% in 5 bands. Output: 10mw (2.5rmsv) into 600Ω. Internal battery source or external ac.	Hewlett-Packard H07-204B	EMSA-63-77		U/W AN/USM-181
SG-5001()/TPS-501 SG-5001/TPS-501	Range Calibrator	Internal pulse, crystal controlled. 72Ω output: trigger, 25 mile markers (36v), 5 mile markers (12v); 75Ω output: trigger, 0.5μsec pulses; 500Ω output: 4μsec pulses (100v). Markers: 4μsec pulses on either 5 or 25 mile range.	Radio Corp of Amer 331975-501	RCAF 43 (CANADA)	RCAF RAD 70	P/O AN/TPS-501 U/W MD-5004/TPS-501
SG-5002()/U SG-5002/U	Range Calibrator	Input pulse: external, positive, 25v. Output: square wave, 309μsec base width, 1617cps ±0.055% prf, 25v, positive; represents 50 nautical miles. For calibration of Pulse Generator AF/TSGN-267.	Canadian Marconi Co 304-588	RCAF 246 (CANADA)	RCAF RAD 70-25	U/W AF/ISG-98
SG-5003()/U SG-5003/U	Interference Generator	6250 to 6600Mc, 1 band. Output signal: random noise, to work into RG-50/U Waveguide; power: 1.55x10^{19}w/cycle. Allows determination of noise figure of the Radar AF/TSG-98 Receiver.	Canadian Marconi Co 304-123		RCAF RAD 70-25	U/W AF/ISG-98
SG-5004()/U SG-5004/U	Signal Generator	6250 to 7060Mc, 1 band, not crystal controlled. Modulation: AM or CW, 400 cycles internal. Output: 100mv. Provides source of microwave signals for microwave component testing of AF/ISG-98.	Canadian Marconi Co 304-940	RCAF 254 (CANADA)	RCAF RAD 70-25	U/W AF/ISG-98
SG-5005()/U	Signal Generator	2 to 400Mc ±0.5%, 6 bands. Modulation: sine wave, 400 to 1000cps internal; 50 to 10,000cps external. Output: 0.1 to 100,000μv; stray radiation less than 0.1μv.	Measurements Corp 80	RCAF RCAF-451	DAD 153 issue no.1	P/O AN/FPS-502
SG-5007()/U	Signal Generator	19.7 to 102.5Mc, 5 bands. Modulation: AM and FM, 1000cps internal, 50cps to 10kc external. Output: 0.2μv to 200mv.	Canadian Marconi Co TF-1077	USA CA-172		
SG-5009()/FG	Signal Generator	Provides 1000cps frequency for testing facilities. 4 outputs. 600Ω output impedance general purpose.	G E Ltd-England	RCAF 1051		U/W ADCOM II
SG-5010()/UPD-501	Signal Generator	50Mc fixed frequency. Modulation: internal, pulsed, 1000pps, 1 to 2μsec width. Provides for check and alignment of 4 video channels, 4 antenna channels and associated cables of the indicator.	Canadian Naval Elec Lab	RCN-157		U/W AN/UPD-501
SG-5012/GRM-501	Signal Generator	2 to 11Mc in 10 fixed frequencies, internal AM modulation frequency 1000cps.		RCAF 1314	10T43 RCAF 10RD	P/O AN/GRM-50 U/W AN/GRR-7 AN/GRC-27
SG-5013/APM-501	Signal Generator	2.320/2.784/3.248/13.000/13.712/14.640/15.800/17.192 and 18.700kc ±0.3% fixed frequencies. Output: 6.5v max, ±2db variation throughout range; Z: 200Ω. Thermistor stabilized Wien Bridge Oscillator.	Canadian Marconi Co CMC-165-370	RCAF 1354	MIL-T-21200 (ASG)	P/O AN/APM-501 U/W AN/APN-501
SG-5014/APM-501	Thermal Noise Generator	Generates noise and filters it to give centered spectrum at 10kc; spectrum combines with signal generator output to produce range of spectra from 3 to 10kc. Output Z: 1000Ω.	Canadian Marconi Co CMC-165-360	RCAF 1355	MIL-T-21200 (ASG)	P/O AN/APM-501 U/W AN/APN-501
SG-5024/ARM-502	Signal Generator	962 to 1024Mc ±0.005%, 1151 to 1213Mc ±0.005%; 2 bands of 63 fixed frequencies each; crystal controlled. Output calibrated from 1mw max through attenuation range of 110 ±2db; output Z: 50Ω. Enables simulation of TACAN test signal and detection of TACAN interrogations.	Std Tel & Cable Ltd 1051821	RCAF 1549		P/O AN/ARM-502
SG-5025/ARM-502	Electronic Marker Generator	Contains circuits necessary to simulate any desired bearing as well as provide keyed tone, fixed tone, random pulse replies or replies only.		RCAF-1550		P/O AN/ARM-502
SG-5026/ARM-502	Electronic Marker (Range Simulator) Generator	0 to 312 miles, 1 range. Generates distance replies and random pulses fed to interrogator.		RCAF 1551		P/O AN/ARM-502
SG-5027/FSQ-T501(V)	Interference Generator	Generates white noise, sea clutter and jamming interference simulation signals.	Sperry Gyro-Canada	RCN-227		P/O OA-5062/FSQ-T501(V)
SG-5028/APM-502	Signal Generator	Output related to time. Provides 400cps sinusoidal carrier, AM modulated by a 5cps sine wave and a sawtooth wave which is fed to the range rate simulator.	Canadian Westinghouse 45030-305	RCAF 1682		P/O AN/APM-502
SG-5029/APM-503	Pulse Generator	640 or 1280cps externally synchronized. Provides square 15v pulse from 0.4 to 100μsec duration. The output is fed to "Pulse Controller" C-5130/AMP-503.	Canadian Westinghouse 45880-305	RCAF 1675		P/O AN/APM-503
SG-5030/APM-503	Pulse Generator	Frequency determined by trigger pulse (640 or 1280pps); external sync. Output: square pulse, 35.5v amplitude, positive polarity, 1.2μsec; square pulse, 65v amplitude, positive polarity, 1.2μsec. One pulse can be delayed with respect to the other by a variable delay line. Output used to trigger other modules in electronic circuit plug-in unit test set.	Canadian Westinghouse 45875-305	RCAF 1674		P/O AN/APM-503
SG-5031/APM-503	Pulse Generator	640 and 1280cps internally synchronized delay from one another by half the periodic interval. Provides 3 outputs: (1), a scope sync; (2), a system trigger; (3), a delayed trigger.	Canadian Westinghouse 45870-305	RCAF		P/O AN/APM-503

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SG-5032/APM-503	Pulse Generator	1280 and 640cps externally synchronized, square pulse amplitude of 5/23/50/75v of 781 or 391μsec duration.	Canadian Westinghouse 45890-305	RCAF 1678		P/O AN/APM-503
SG-5033/APM-503	Pulse Generator	Repitition frequency is determined by the input trigger. Provides three different square and one sweep pulse of durations of from 82 to 250μsec to the radar modules under test.	Canadian Westinghouse 45885-305	RCAF 1679		P/O AN/APM-503
SG-5034/APM-503	Signal Generator	One fixed frequency, 6.666kc, two outputs, 20 and 40v p-p.	Canadian Westinghouse 45895-305	RCAF 1695		P/O AN/APM-503
SG-5035/APM	Pulse Generator	Provides 1280, 2v square wave pps of 0.6 to 200μsec duration consisting of 28/29.5/30/30.1/30.5 or 32Mc/sec bursts. Also will provide the CW signals above.	Canadian Westinghouse 44756-305	RCAF 1691		P/O AN/APM-507
SG-5036/U	Signal Generator	Frequency data: 9cps to 120kc within 2%. Output data: 0.2 to 20v within 1/2db over entire frequency range. Frequency stability is 1/2% for line voltage variations of from 105 to 130v or temperature changes from 0 to 50°C. Square or sine waves available.	Waveforms Inc 403B	CA-62-545		
SG-5037/GRD-501	Signal Generator	3Mc to 30Mc at 200kc intervals, capable of radiating a field intensity of 150μv/m at 400 ft over poor conducting soil.	Canadian Admiral Corp	REN-62-343		U/W AN/GRD-501
SG-5038(P)/URM-503	Signal Generator	Variable sweep rate, turret attenuation, markers, sweep or CW. Space provided for various plug-ins.	Telonic Industries SM-2000	CA-62-629		P/O AN/URM-503
SG-5039/U	Pulse Generator	10 to 100,000pps internal or 0 to 100,000pps external control. Output: sawtooth, ±50v, Z: 50Ω, 100mμsec to 500μsec.	E-H Research Labs 131	CA-63-641		

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SM-1()/APQ-13-T1A SM-1/APQ-13-T1A	Flight Simulator	A flight simulator consisting of a shallow tank 7'X5'X10" in which a crystal unit representing a radar equipped bomber moves about while suspended from a moveable bridge assembly.	Bell & Howell Mfg E-9011-E-5	ARL-4187		P/O AN/APQ-13-T1A
SM-1A/APQ-13-T1A	Flight Simulator	Consists of Flight Simulator SM-1/APQ-T1A, modified to correct backlash and utilizing thryatron circuit to control a permanent magnet motor heading motor.	Bell & Howell Mfg	ARL		P/O AN/APQ-13-T1A
SM-2()/APQ-13-T1A SM-2/APQ-13-T1A	Echo Simulator	Consists of circuits necessary to operate the flight simulator and to provide the associated radar set with correct timing pulses and synthetic signals.	Bell & Howell Mfg E-9011-C-215	ARL-4188		P/O AN/APQ-13-T1A
SM-2A/APQ-13-T1A	Echo Simulator	Confidential.		ARL		
SM-3()/APS-T3	Flight Control Simulator	Electromechanical devices activate Aircraft Simulator SM-4()/APS-T-3.Indicates aircraft speed, course, wind direction and speed by means of indicators and dials.		USN		P/O AN/APS-T3
SM-4()/APS-T3 SM-4/APS-T3	Aircraft Simulator	Electromechanically provides for azimuth rotation, tilt of reflector, and change of altitude.		USN		P/O AN/APS-T3
SM-5()/APS-6-T1 SM-5/APS-6-T1	Trainer	Link trainer ANT-18 or equal modified for use with AN/APS-6().		USN		P/O AN/APS-6-T1
SM-6()/APS-6-T1 SM-6/APS-6-T1	Signal Simulator	Receives azimuth, elevation and slant range and altitude information and converts these to signals for presentation on associated units of Radar Set AN/APS-6(). Also generates artificial noise.		USN		P/O AN/APS-6-T1
SM-8()/APS-6-T1 SM-8/APS-6-T1	Flight Simulator	A three legged crab which records the movements of the fighter plane controlled by the student pilot.		USN		P/O AN/APS-6-T1
SM-9()/APG-15-T1 SM-9/APG-15-T1	Echo Simulator	Includes power supply, trigger units, signal units, modulator, fading unit, servo adapter unit, 2 error integrators, a sight adapter, power panel and switch unit.	Research Construction	ARL-4515		P/O AN/APG-15-T1
SM-9A/APG-15-T1	Echo Simulator	Produces synthetic radar signals. Output 30Mc.		ARL-45-87		P/O AN/APG-15-T1A
SM-10()/APG-15-T1 SM-10/APG-15-T1	Course Simulator	Consists of a mechanical cam system which provides information of the azimuth, elevation and range of two targets to the echo simulator.	Research Construction	ARL-4516		P/O AN/APG-15-T1
SM-11()/APQ-7-T1 SM-11/APQ-7-T1	Echo Simulator	Trainer cabinet containing necessary circuits to operate tank-driver unit, flight simulator, to provide associated radar set with timing pulses and synthetic signals.	Research Construction	ARL-4706		P/O AN/APQ-7-T1 U/W AN/APQ-7
SM-12()/APQ-7-T1 SM-12/APQ-7-T1	Flight Simulator	Consists of carriage mounted piezo-electric crystal which moves through supersonic water tank. Simulates bomber motion and indicates point of impact of bomb.	Research Construction 19-E221(RCC)	ARL-4707		P/O AN/APQ-7-T1 U/W AN/APQ-7
SM-12A/APQ-7-T1	Flight Simulator	Differs from SM-12/APQ-7-T1 by the use of an improved anti-backlash mechanism and other changes necessary to give more accurate simulation of antenna scan.		ARL-45-R291		
SM-13()/APA-16-T1 SM-13/APA-16-T1	Pulse Simulator	Provides a trigger pulse for Radio Set AN/APS-3 and also receives information from Target Simulator SM-15()/APA-16-T1 and SM-17()/APA-16-T1.		USN		P/O AN/APA-16-T1()
SM-14()/APA-16-T1 SM-14/APA-16-T1	Pulse Simulator	Provides a trigger pulse for Radio Set AN/APS-4 and also receives information from Target Simulator SM-15/APA-16-T1 and Bomber Simulator SM-17()/APA-16-T1.		USN		P/O AN/APA-16-T1()
SM-15()/APA-16-T1 SM-15/APA-16-T1	Target Simulator	Consists of a carriage running on a track along side of glass topped table. Used to show accuracy of aim.		USN		P/O AN/APA-16
SM-16()/APA-16-T1 SM-16/APA-16-T1	Aircraft Simulator	Simulates pilot's cockpit with provision for feeding azimuth information to SM-17()/APA-16-T1 and altitude information to the repeater altimiter.		USN		P/O AN/APA-16-T1()
SM-17()/APA-16-T1 SM-17/APA-16-T1	Bomber Simulator	Three wheeled crab used to simulate the horizontal motion of a bomber on a modified homing course.		USN		P/O AN/APA-16-T1()
SM-18()/APG-T1 SM-18/APG-T1	Flight Simulator	Cancelled: 29 July 1948. Never procured.		ARL-48-C390		P/O AN/APG-T1 U/W SM-919-T1
SM-19()/APG-T1 SM-19/APG-T1	Echo Simulator	Signals are provided at IF or video level to associated radar set. Cancelled: 29 July 1948.		ARL-45-413		
SM-20()/APG-T1 SM-20/APG-T1	Interference Generator	Produces random noise, pulses, keyed CW and commutator noise to be fed into long range navigational equipment AN/APN-4() for instructional purposes.	Presto Recording	USN		P/O AN/APN-T4()
SM-21()/APG-T1 SM-21/APG-T1	Radar Target Simulator	An optical system employing lenses and mirrors to scan a chart on which the 3 coordinates of the simulated target are recorded. Contains photo-multiplier tubes for detecting.	Stevens Arnold Co 20E24-1	ARL-48-279		P/O AN/APG-T1
SM-22()/APG-T1 SM-22/APG-T1	Radar Signal Simulator	Includes various functions associated with production of synthetic echo: trigger section; signal generator; fader section; and clutter section.	Stevens Arnold Co 20D22-3	ARL-48-274		P/O AN/APG-T1
SM-23()/APG-T1 SM-23/APG-T1	Interference Generator	Modulator and jammer functions are combined on single chassis. Produces jamming of several types with effect appearing to emanate from a synthetic target.		USAF ARL-48-281		P/O AN/APG-T1
SM-24()/MKR-6	Radar Signal Simulator	Confidential.		USN		
SM-25()/MSQ-1 SM-25/MSQ-1	Aircraft Simulator	Confidential.		WL-45-1544		
SM-26()/U SM-26/U	Antenna Position Simulator	May be substituted for the antenna system output and/or the radio direction finder and receiver output in the direction finder for calibration and performance tests. Output: 0 to 5v.	Electric Indicator	USA WL-54-R-1395	ENG-217A	U/W AN/CRD-8 AN/FRD-2 AN/GRA-8

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SM-26A/U	Antenna Position Simulator	Uses motor generator system. Output: 1/2/3v. ac: 0 to 1, 0 to 10, 21. Frequency: 30cps. Phase: 0 to 360°, fixed, 90° with respect to output 2.	Bruno Inc	WL-56-2096	MIL-A-4887	U/W AN/GRD-6
SM-27()/UQS-T1 SM-27/UQS-T1	Ship Simulator	Generates factors of sonar problem concerned with own ships performance for use with sonar training set. For shore or shipboard installation.	Sangamo Electric Co 890601	USN		P/O AN/UQS-T1
SM-27A/UQS-T1	Ship Simulator	Generates those factors of the sonar problem concerned with target performance and produces components of integrated target motion in response to engine and rudder telegraph orders. Instructor operated.	Raytheon 1652	USN	MIL-S-15222	P/O AN/UQS-T1A
SM-28()/UQS-T1 SM-28/UQS-T1	Sonar Target Simulator	Generates factors of sonar problem concerned with target performance. Produces components of integrated target motion in response to engine and rudder telegraph orders.	Sangamo Electric Co 890545	USN		P/O AN/UQS-T1
SM-29()/UQS-T1 SM-29/UQS-T1	Transducer Simulator	Combines echo snd noise signals from SM-27/UQS-T1 and modifies these by the effect of bearing. Output represents simulated signals of the 48 element. 19" magnetostriction transducer under conditions of sonar problems.		USN		P/O AN/UQS-T1
SM-29A/UQS-T1	Transducer Simulator	Combines echo and noise signals from own ship simulator and modifies these by affect of bearing; also generates reverberations random in amplitude and bearing.	Raytheon 1654	USN	MIL-S-15222 (SHIPS)	P/O AN/UQS-T1A
SM-30()/URM-14 SM-30/URM-14	Microphone Simulator	Simulates the characteristics of Microphone T-17 and ANB-M-C1. Voltage input indicated on 0 to 0.3/0.6v full scale meter. Frequency: 100 to 7500cps.	Bendix Radio 200350	AEL-49-306		P/O AN/URM-14()
SM-31()/APG	Target Simulator	A special test set for Radar Set AN/APG-31. Functions: simulates ground target of variable width; air target of 0.5 microseconds-(simultaneously or separately). Permits external or internal lobing of two input channels. Simulates a 400yd marker signal etc.	Raytheon W33-038-ac-18100	USAF AEL-49-352		U/W AN/APG-31
SM-32()/G SM-32/G	Direction Finder Azimuth Simulator	Simulates azimuth bearing received from radio directioning station at proper position on a gnomonic map. Includes azimuth correction for plotting angles on gnomonic map projection. Output voltage proportional to deviation angle.	Press-Wireless D-70022	USAF WL-55-R-2640	WLENG-167	P/O PT-101/G
SM-33()/APG-23 SM-33/APG-23	Target Simulator	Confidential.		AEL-49-647		
SM-34()/CPS-6B SM-34/CPS-6B	Antenna Position Simulator	Places a voltage on a control transformer which gives a simulated antenna position signal.	General Electric ML-7600762	WL-45-2325	EXH: WLENG-108-A	P/O AN/CPS-6B
SM-35()/URM-25 SM-35/URM-25	Antenna Simulator	Simulates electronic antenna characteristics. Purely resistive, 220 to 400Ω above 2.5Mc. Below 1.5Mc it is a series connection of 200μμf, 20μhenries and 15Ω.	Federal Mfg & Eng 295-233-1	USN		P/O AN/URM-25
SM-36()/MSQ-2 SM-36/MSQ-2	Aircraft Simulator	Confidential.		WL-50-1222		
SM-37()/UAM-1	Infrared Target Simulator	Confidential.		USN		
SM-38()/UQS-T1 SM-38/UQS-T1	Ship Control Simulator	Simulates ships helm for training purposes.	Sangamo Electric Co 892659	USN		P/O MX-1065/UQS-T1 U/W AN/UQS-T1
SM-38A/UQS-T1	Ship Control Simulator	Simulates ships engine room telegraph, helm and rudder indicator. Operated by an instructor.	Raytheon 1656	USN	MIL-S-15222 (SHIPS)	P/O AN/UQS-T1A
SM-39()/UQS-T1 SM-39/UQS-T1	Ampere-Hour Meter Simulator	Simulates submarine's amperehour meter for training purposes.	Sangamo Electric Co 892660	USN		P/O MX-1065/UQS-T1 U/W AN/UQS-T1
SM-39A/UQS-T1	Ampere-Hour Meter Simulator	Indicates synthetically the status of charge of ships battery.	Raytheon 1658	USN ECON-291841	MIL-S-15222 (SHIPS)	P/O AN/UQS-T1A
SM-40()/UR SM-40/UR	Radio-Telephone Simulator	Provides 4 simulated radio telephone circuits for use in CIC training. Provision for insertion of radio noise or interference signals.		USN		
SM-41()/UQQ-T SM-41/UQQ-T	Propellar Noise Simulator	Simulates propeller noises heard on shipboard sonar listening equipment.	Technical Development 20694	USA USN	NEL 416/132-0	
SM-42()/U SM-42/U	Radar Data Simulator	Simulates radar reflection from aircraft and is used to orient ground position. 30,000Mc.	Granite State Mach Co 42-0-0	WL-57-R-1872		
SM-43()/SL	Radar Target Simulator	Confidential.		USN		
SM-44()/AL SM-44/AL	Radar Target Simulator	Confidential		N-59-X-2932		
SM-45()/UPM-4A SM-45/UPM-4A	Coder Simulator	950 to 1225Mc. Generates video or radio frequency output; pulse modulated; contains calibrated wavemeter and attenuator.	Gen Communications P250-E-7000	USA USN	MIL-R-15550	P/O AN/UPM-4A
SM-46()/UPM-4B SM-46/UPM-4B	Coder Simulator	Confidential.		USA USN		
SM-47()/UQQ-T SM-47/UQQ-T	Sonar Signal Simulator	Supplies a synthetic sonar signal source: echo ranging signals, reverberations, doppler, speed, aspect and range.		USA USN		
SM-48()/APQ-13 SM-48/APQ-13	Interference Generator	Frequency range: 5 to 15Mc. Generates wide choice of frequencies for interference in Training Set AN/APQ-13-T1A.	Transducer Corp 303	USA AEL-52-201		P/O OA-209/APQ-13-T1A

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SM-49()/APG-T1A SM-49/APG-T1A	Radar Signal Simulator	Generates a synchronizing trigger, simulated radar signals at video level and amplitude-modulating these signals. Signals representing ground clutter and range attenuation are also developed.	Transducer Corp 314	USA AEL-52-311		P/O AN/APG-T1A
SM-50()/APG-T1A SM-50/APG-T1A	Radar Signal Simulator	dc voltages are fed to unit representing azimuth and elevation voltage of a simulated target. Modulating and gating voltage are generated for simulation of target aircraft output is inserted into receiver of radar set.	Transducer Corp 335	USA AEL-52-322		P/O AN/APG-T2A
SM-51()/APG-T1A SM-51/APG-T1A	Navigational Control Simulator	Simulates positioning of radar operators by which pilot can simulate flight of simulated aircraft in which the radar set is contained.	Transducer Corp 357	USA AEL-52-338		U/W AN/APG-T1A
SM-52()/APG-T1A SM-52/APG-T1A	Radar Target Simulator	Electro-optical means of converting the position of a line on a chart into an electrical signal used in generating simulated radar signals.	Transducer Corp 327	USA AEL-52-340		P/O AN/APG-T1A
SM-53()/U SM-53/U	Radar Target Simulator	Mechanical system to simulate radar target signal output.	Westinghouse Electric 51-C-5260	USA USN		U/W AN/APM-65
SM-54()/BQR-T3 SM-54/BQR-T3	Sonar Target Signal Simulator	Provides sonar sounds which simulate those generated by real targets when fed by a propeller beat simulator and connected to a JT sonar stack.		USA USN		P/O AN/BQR-T3
SM-55()/BQR-T3 SM-55/BQR-T3	Own Ship's Data Simulator	Provides the JT sonar operator with true bearing information when the inputs consist of ship's gyro and stack train data.		USA		P/O AN/BQR-T3
SM-56()/MPG-4	Radar Signal Simulator	Confidential.		USA SCLE-9361		
SM-57()/APA-83A SM-57/APA-83A	Navigational Controls Simulator	Simulates the function of the True Air Speed Transmitter normally used with the Radar Set AN/APQ-31.	Transducer Corp 375	USA AEL-52-629		P/O AN/APA-83A
SM-58()/UQS-T1 SM-58/UQS-T1	Transducer Simulator	Adapts Sonar Training Set AN/UQS-1 for use with "searchlight" models of sonar equipment.	Sangamo Electric Co 894359	USA USN	SHIPS-A-661	U/W AN/UQS-T1
SM-59/URM-37	Radio Frequency Transmission Line Simulator	Serves as a tuning component for signal input to radio receiver. Simulates a 100 foot length of 52Ω transmission line.	Measurements Corp H-4309	USA USN		P/O AN/URM-37
SM-61()/ASB-1 SM-61/ASB-1	Computer Simulator	Confidential.		USA USN		
SM-62/UQS-T1B	Own Ship Simulator	Generates or accepts and synthesizes acoustic effects resulting from own ship performance.	Sangamo Electric Co 894401	USA USN		P/O AN/UQS-T1B
SM-62A/UQS-T1B	Own Ship Simulator	Generates or accepts own ship performance; synthesizes acoustic effects resulting from own ships performance.	Sangamo Electric Co 895039	USN	SHIPS-F-2107	P/O AN/UQS-T1C
SM-63/UQS-T1B	Sonar Target Simulated	Computes sonar problem geometry. Synthesizes acoustic effects associated with target and generates target motion in response to engine and rudder telegraph orders.	Sangamo Electric Co 894403	USA USN		P/O AN/UQS-T1B
SM-63A/UQS-T1B	Sonar Target Signal Simulator	Computes sonar problem geometry, synthesizes acoustic effects associated target and generates target motion in response to engine and rudder telegraph orders.	Sangamo Electric Co 895006	USN	SHIPS-F-2107	P/O AN/UQS-T1C
SM-64/UQS-T1B	Transducer Simulator	Converts all acoustic effects into equivalent transducer signals. Output: artificial transducer signals to scanning sonar equipment.	Sangamo Electric Co 894406	USA USN		P/O AN/UQS-T1B
SM-65()/UP SM-65/UP	Radar Signal Simulator	Provides an over-all quantitative measure of MTI radar performance in terms of sub-clutter visibility, decibels, provided RF monitor, range check: 1215-1355Mc. U/W Navy L band MTI radars.	Pitometer Log	USA USN	MIL-S-15293 SHIPS	
SM-66()/UP	Radar Signal Simulator	Provides an over-all quantitative measure of MTI radar performance in terms of sub-clutter visibility, decibels, provides RF monitor, range check; 2760 to 2910Mc. U/W Navy S band MTI radars.	Pitometer Log	USA USN	SHIPS-T-522	
SM-67()/G SM-67/G	Antenna Position Simulator	May be substituted for antenna system output and/or radio direction finder and receiver output for performance and calibration tests. Electronic circuits.	Electric Indicator	WL-52-1691		U/W AN/GRA-7
SM-68()/MPG-5	Radar Signal Simulator	Confidential.		USA SCLE-9364		
SM-69()/U SM-69/U	Radar Signal Simulator	Provides training for personnel of ground controlled approach systems. Cancelled 6 June 1953.	Gilfillan Bros.	USA AEL-53-C232		
SM-70/DSM	Radar Signal Simulator	Confidential.		USA USN		
SM-71()/ASB-1 SM-71/ASB-1	Gyroscope Simulator	Confidential.		USA USN		
SM-72()/APM-69 SM-72/APM-69	Altitude Simulator	Used independently and in conjunction with Radar Test Set TS-775/APM-69. Can provide fixed altitude check of equipment and aid in adjusting altimeter circuit.	Hazeltine Electronics	USA AEL-53-R534		P/O AN/APM-69
SM-73()/UPS-T4 SM-73/UPS-T4	Antenna Position Simulator	Provides antenna position information.	Fada Radio & Electric E107880	USA USN		P/O AN/UPS-T4
SM-74()/UPS-T4 SM-74/UPS-T4	Radar Target Simulator	Provides six radar target pulses, individual target controls.	Fada Radio & Electric E107882 Special Devices Cen	USA USN	SDC 932-180	P/O AN/UPS-T4
SM-75()/DSM	Guided Missile Simulator	Simulates electrical loads and operations of the XSAM-N-7 Terrier I Guided Missile.	Hycon Mfg 142100 142000	USA USN		P/O OA-669()/DSM AN/DSM-5()

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SM-76()/M SM-76/M	Radar Signal Simulator	Confidential.		ORDDW-248-55		
SM-77/APM-78	Compass Simulator	Master type indicator consisting of a selsyn and a calibration dial. 2 scales: 0 to 360° and 360 to 0°.	General Electric 7430952G1	USN		P/O AN/APM-78
SM-78/SQS-T3	Sonar Target Signal Simulator	Provides synthetic audio and video sonar signal output operated by instructor. Simulates course and speed of mother ship and course, speed, and depth of target vessel.	Technical Development R-24000	USN	MIL-T-15858B	P/O AN/SQS-T3
SM-78A/SQS-T3	Sonar Target Signal Simulator	Provides simulation of sonar echoes from a moving synthetic submarine target to audio and video inputs of sonar set.	Raytheon 3191	USN-57-m-1477	SHIPS-T-2501	P/O AN/SQS-T3A
SM-79()/APQ-38 SM-79/APQ-38	Navigational Controls Simulator	Confidential.		USA AEL-54-344		
SM-80()/APQ-38 SM-80/APG-38	Radar Signal Simulator	Confidential.		USA AEL-54-345		
SM-81()/DSM-13 SM-81/DSM-13	Phase Difference Generator Simulator	Provides functional bench check of Regulus Missile Stabilization System.	Cook Electric Co CUE-089003-B	USN	MIL-T-945A CVA-1051	
SM-82()/DRM-1 SM-82/DRM-1	Command Control Simulator	Confidential.		USN		
SM-82A/DRM-1	Command Control Simulator	Confidential.		USN		
SM-83()/GSN-3 SM-83/GSN-3	Radar Signal Simulator	Electronic circuit simulates stationary target. Target is controlled by manual set. Used for alignment and calibration of tracking channels and computer.	Avco Corp AR729907	UWA CRC-54-5		P/O OA-687/GSN-3
SM-84()/UPM-69	Coder Simulator	Used for testing recognition and interrogation equipment and test sets of the Mark 10 IFF using SIF. (Security Improvement Features).	Gen Communications SK-3090	USN ELQ-63435-002	SHIPS-C-1128	
SM-85/UPM-70	Coder Simulator	Generates coded pulse groups to simulate interrogators and transponders and measures power and frequency of same. Frequency range: 925 to 1225Mc.	Gen Communications E-51582	USN ELQ-57410-002	SHIPS-T-1239	P/O AN/UPM-70
SM-85A/UPM-70	Radar Signal Simulator	Measures frequency, produces simulated IFF Mark X codes, video, pulse med; RF and SIF pulses for test purposes.	Stewart Warner Elec 851582	N-59-b-277		P/O AN/UPM-70A
SM-86()/FSA-10 SM-86/FSA-10	Radar Signal Simulator	Confidential.		WL-55-1586		
SM-87()/APG-T1A SM-87/APG-T1A	Antenna Position Simulator	To replace present antenna used in operation of Radar Set AN/APG-41 when used with Training Set AN/APG-T1A. Controls scan rates, relative position of antenna and elevation and azimuth with respect to aircraft longitude axis.	Amer Mach and Foundry 999	USA AEL-55-345		P/O OA-690/APG-T1A
SM-88()/GR	Radar Signal Simulator	Provides simulated radar trigger pulses and video pulse for maintenance of multiplexer TD-128()/GR and TD-127()/GR.	Motorola Inc X1083	USAF WL-55-1688	RADC-1568	P/O OA-1002()/TRT-4 AN/TRQ-12() AN/FRQ-5() AN/FFQ-6
SM-89()/GR	Antenna Position Simulator	Uses electric motor and syncro circuit system. Synthetic antenna position signal output.	Motorola Inc	WL-59-R-2178	MIL-R-9535A	P/O OA-1000()/TRT-4
SM-90/BQS-2	Sonar Target Signal Simulator	Generates a single signal at AN/BQS-2 operating frequency for routine checking and alignment and provides means for introducing this signal into any one of the sixty AN/BQS-2 input terminals.	Bendix Pacific Corp 1018950	USN	SHIPS-S-2070	U/W AN/BQS-2
SM-91()/ALQ-T1	Antenna Position Simulator	Simulates antenna pattern of Direction Finder Group AN/ALA-6 appropriate to frequency in use and pointing in direction of target as simulated flight path advances.	Melpar Inc 610951	AEL-55-888		P/O AN/ALQ-T1
SM-92()/ALQ-T1 SM-92/ALQ-T1	Antenna Position Simulator	Used to simulate various antenna patterns in the operation of Trainer, Radar, Countermeasures AN/ALQ-T1.		AEL-55-889		P/O AN/ALQ-T1
SM-93()/GKA-2 SM-93/GKA-2	Radar Signal Simulator	Simulates a radar target capable of being controlled by the computer group.	Gilfillan Bros 54756	WL-56-1228		P/O AN/GKA-2
SM-94/FSH-T1	Aircraft Transit Time Simulator	Provides switching for simulating actual transit time encountered by aircraft due to altitude changes.		USN		P/O AN/FSG-T1
SM-95/FSH-T1	Aircraft Transit Time Simulator	This unit provides pre-set time delays for the purpose of simulating the actual transit time encountered by aircraft due to altitude changes.		USN		P/O AN/FSH-T1
SM-96/UPM-81	Radar Signal Simulator	Synthetic radar output for measuring and testing radar set performance. Freq. range: 1215 to 1355Mc.	Hazeltine Electronics	USN	MIL-S-15293B (SHIPS)	
SM-97/DSM	Airspeed and Height Simulator	A pneutmatic test instrument to provide simulated pilot and static pressures for checking airspeed and altitude sensing devices.	Chance-Vought CVE-086019 PT#OVSM-3	USN		P/O OA-1212/DSM-26
SM-97A/DSM	Airspeed and Height Simulator	A pneumatic test instrument whose function is to provide simulated pilot at static pressures for checking airspeed and altitude sensing devices.	Chance Vought OVE-086019	USN		P/O AN/DSM-25
SM-98()/GR	Radar Signal Simulator	Provides facilities for simulating Radar Set AN/FPN-16 composite video signals.	Motorola Inc	WL-56-1433	RADC-1568	P/O OA-1236()/GR
SM-99/DKM-1	Airspeed and Height Simulator	A self contained source of pressure and vacuum, having sufficient control and measurement components to permit use in calibration of pneumatically operated devices.	Cook Electric Co 750-3709	USN	MIL-T-945A Amend 1	P/O AN/DKM-1

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SM-100()/DSM-18	Altitude Simulator	Confidential.		USN		
SM-101()/G SM-101/G	Radar Target Simulator	The signal returned from simulator provides azimuth orientation which is required in an automatic data gathering system such as sage.		CRC-56-408		U/W AN/FPS-18
SM-102()/G SM-102/G	Radar Signal Simulator	Signals returned from simulator provides azimuth orientation which is required in an automatic data gathering system such as sage, 1200 to 1400mc.		CRC-56-413		U/W AN/FPS-20
SM-103/UQS-T1C	Transducer Simulator	Simulates signals of Mod. 3 transducer of Sonar Set AN/SQS-4	Sangamo Electric Co	USN	SHIPS-F-2107	P/O AN/UQS-T1C
SM-104()/GP SM-104/GP	Radar Target Simulator	Provisions for attaching a circular polarizer grid to increase target return signals. Used for calibration by reflecting radar signals from a known, fixed position.	Gilfillan Bros 64575	SCIE-12076		U/W AN/FPN-33()
SM-105()/ALD-2	Signal Phasing Simulator	Confidential.		USN 1440		
SM-106()/APG-T1A SM-106/APG-T1A	Antenna Position Simulator	Simulates functions, time constants, mode of operation of tracking portion of radar set.	Amer Mach & Foundry 1329	AEL-56-1201	WCL-814	P/O OA-1119/APG-T1A
SM-107()/APG-T1A SM-107/APG-T1	Antenna Position Simulator	Simulates waveforms and timing pulses for radar set which is normally produced by search antenna.	Amer Mach & Foundry 1328	AEL-56-1204	EXH: WCL-814	P/O OA-1119/APG-T1A
SM-108()/GSM-9 SM-108/GSM-9	Camera Simulator	Simulates action as camera in operation of AN/GSM-9 governing voltages and switching actions accessible for measuring and simulation.	Bill-Jack Instrument 14132	AEL-56-1342		
SM-109()/GPM-24 SM-109/GPM-24	Gyro Signal Simulator	Simulates three gyro signals for use in AN/GPM (pitch, roll, heading).	Lab for Electronics	AEL-57-5		P/O AN/GPM-24
SM-110()/GRQ-3 SM-110/GRQ-3	Command Simulator	Confidential.		WDD-57-82		
SM-112/MSA-6	Guided Missile Flight Simulator	Simulates signal voltages for AN/MPQ-25, AN/MPQ-7, AN/MSA-6 that are analogous to signals received from Corporal in flight.		ORDDW-224-57		P/O AN/MSA-6
SM-113()/APS-T4 SM-113/APS-T4	Antenna Position Simulator	Electro-mechanical system which is controlled indirectly by trainee as a consequence of controlling other units. Simulates aircraft antenna.	Emerson Radio AS-3521	AEL-57-379		P/O OA-1619/APS-T4
SM-114()/UQS-T1C	Pitch & Roll Simulator	Electro-mechanical circuit system. Produces synthetic M & N synchro orders output at 1x and 36x.	Sangamo Electric Co 894312	USN-57-n-1018	SHIPS-F-2107	U/W AN/UQS-T1C
SM-115()/APG-T1A SM-115/APG-T1A	Antenna Position Simulator	Simulates antenna position when AN/APG-T1A&() is U/W Fire Control System, Fighter, Fixed Type E-9 for training facilities.	Emerson Radio AS4494	AEL-57-R-787		P/O OA-1693/APG-T1A OA-1120/APG-T1A
SM-116/BPQ-2	Radar Signal Simulator	Confidential.		USN-57-6-1310		
SM-117/BPQ-2	Test Set Simulator	Confidential.		USN-57-6-131		
SM-118/DSM	Guided Missile Simulator	Provides means of determing that guided missile launching testing sets will respond correctly to missile systems signals.	Chance-Vought	USN-57-Q-1403		U/W AN/DSM-25,26
SM-118()/DSM-49 SM-118/DSM-49	Guided Missile Simulator	Provides means of determining that guided missile launching testing sets will respond correctly to missile systems signals.	Chance-Vought	USN-57-Q-2081		P/O AN/DSM-49 AN/DSM-25,26
SM-119()/G SM-119/G	Tactical Systems Simulator	Greatest flexibility current in high speed data processing equipment. Capable of replacing multiplicity of special systems evaluating devices.		CRC-57-162		
SM-120/ASM-9	Test Set Simulator	Confidential.		USN-57-Q-1455		
SM-121()/GRM-9	Timing Signal Simulator	Confidential.		WDD-57-48		
SM-122()/GRM-9	Antenna Simulator	Confidential.		WDD-57-51		
SM-123()/GRM-9	Binary Counter Simulator	Produces paralleled binary data used for dynamic tests at shift registers in cabinet 64. Selection of amount and combinations of data accomplished by switching circuits.	General Electric PL7614-733G1	WDD-57-59		P/O AN/GRM-9()
SM-124()/GRM-9	Antenna Position Simulator	Switching circuits produce predetermined digital information corresponding to simulated angular movements in azimuth and elevation of track antenna.	General Electric PL 60644-5G1	WDD-57-56		P/O V-133()/GRM-9
SM-125()/APG-T1A SM-125/APG-T1A	Radar Signal Simulator	Simulates ground clutter in operation of AN/APG-T1A&().	Emerson Radio AS4496	AEL-57-651		P/O OA-1693/APG-T1A
SM-126()/APG-T1A SM-126/APG-T1A	Antenna Control Signal Simulator	Simulates antenna error control signals in operation of AN/APG-T1A&()	Emerson Radio AS4495	AEL-57-652		P/O OA-1693/APG-T1A
SM-127()/APG-T1A SM-127/APG-T1A	Radar Signal Simulator	Generates test signals that simulate those used in "at-flight" test of tactical fire control system.	Emerson Radio AS4497	AEL-57-788		P/O OA-1693/APG-T1A
SM-128()/APG-T1A SM-128/APG-T1A	Radar Signal Simulator	Generates signal that simulates effect of enemy radar interference.	Emerson Radio AS4516	AEL-57-791		P/O OA-1120/APG-T1A
SM-129()/APS-T4 SM-129/APS-T4	Reversal Course Simulator	Simulates 180° change in course of simulated aircraft.	Emerson Radio AS3821	AEL-57-673		P/O AN/APS-T4
SM-130()/ARM-35 SM-130/ARM-35	Microphone Simulator	Permits transmitter portion of receiver-transmitter to be keyed without recourse to microphone switch.	Boonton Electronics 20555	USN-57-Q-2029		P/O AN/ARM-35 U/W AN/ARC-39
SM-131()/GMD	Rawin Set Simulator	Synthetic synchro and transmitter signal outputs permits measurement of all control-recorder output signals. Also allows field test of system cabling.		USAEMSA-62-3081		U/W C-1406()/GMD-2 C-577()/GMD

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SM-132()/DSM-51 SM-132/DSM-51	Guided Missile Simulator	Checks response of operational launch and test equipment to simulated missile systems signals. U/W Regulus II.	Chance-Vought CVE-161229	USN-58-Q-73		P/O AN/DSM-51
SM-133/MSA-6	Guided Missile Flight Simulator	Simulates signal voltages for AN/MPQ-25, AN/MRQ-7 and AN/MSA-6 analogous to signals received from Corporal Type II in flight. Cancelled 21 Feb. 1958. Same as SM-112/MSA-6.		ORDDW-361-57		P/O AN/MSA-6
SM-134/UPM-89	Gyro Simulator	Supplies heading, roll, and pitch information to AN/APS-82.	Hazeltine Electronics	USN-58-Q-147	MIL-T-945	P/O AN/UPM-89 U/W AN/APS-82
SM-135/GMQ-14A	Dew Point-Temperature Transmitter Simulator	Uses electrical circuit to simulate dew point and temperature signals.	Belfort Instrument 5973 Instrument Corp	USN-60-Q-593		P/O AN/GMQ-14A AN/GMQ-14B
SM-136/DSM	Altitude & Velocity Guided Missile Simulator	Tests Terrier BT-3 Guided Missile by supplying air pressure to a sensitive part of missile, simulating various combinations of altitude and velocity.	Convair	N-58-ag-476	MIL-S-21289 (Nord)	U/W Terrier BT-3
SM-137()/FST-2 SM-137/FST-2	Radar Signal Simulator	Produces artificial echo indications to test, align, trouble shoot AN/FST-2. Simulates targets for training purposes.	Burroughs Corp	ORC-58-R-262	MIL-T-9766	P/O AN/FST-2
SM-138()/TSQ SM-138/TSQ	Flight Prediction Simulator	Confidential.		CRC-58-45		
SM-139()/GKA-5 SM-139/GKA-5	Message Simulator	Confidential.		WL-58-1146		
SM-140()/TPX SM-140/TPX	Recognition Signal Simulator	Provides means for simultaneously testing over-all receiver-decoder system to isolate failure in individual section of system.	Gen Instruments Corp SM-LP-157954	SIMSA-62-2398		P/O AN/TPX-26,27
SM-141()/AWM-2 SM-141/AWM-2	Altitude Simulator	Simulates altitude conditions to check pressure sensitive units of fire control system.		N-58-ah-1398		P/O AN/AWM-2
SM-142/ARM-22	Range & Azimuth Simulator	Generates tone, range, and reference group triggers and variable 15 and 135cycle sine waves for pulse generator.	Stromberg-Carlson Co	USN-58-ah-1410	MIL-T-19203A (Aer)	P/O AN/ARM-22 U/W SG-()/ARM-22 PP-()/ARM-22
SM-143/APM-87A	Vertical Gyro Simulator	Simulates climb and roll signals from Aero 2A Vertical Gyro in Aero 13F System.	Westinghouse Electric	N-58-ah-1419		P/O AN/APN-87
SM-144()/TSM-31 SM-144/TSM-31	Coordinate Data Simulator	Portable test set simulates 24 dc voltages representing X and Y coordinates of twelve fixed targets thereby permitting preventive and corrective maintenance.	Remington Rand Univac	CRC-58-268		U/W OA-1748/TSQ OA-1749/TSQ OA-1750/TSQ
SM-145()/TSM-30 SM-145/TSM-30	Moving Target Simulator	Provides voltages representing two moving targets. Target speed varies from 0 to 1000mph. Heading varies from 0 to 360°.	Remington Rand Univac	CRC-58-271		P/O AN/TSM-30
SM-146()/GPS-T2 SM-146/GPS-T2	Countermeasures Signal Simulator	Generates various countermeasure signals used in operation of AN/GPS-T2.	Sylvania Electric Co 02-300,000-1	AEL-58-538		P/O OA-1767/GPS-T2
SM-146()/GPS-T2A SM-146/GPS-T2A	Countermeasures Signal Simulator	Generates various countermeasure signals used in operation of AN/GPS-T2A.	Sylvania Electric Co 02-300,000-1	AEL-58-R-793		P/O OA-1767/GPS-T2A
SM-147/SPS-T2	Antenna Position-Ships Course Simulator	Generates voltage output proportioned to elevation antenna position. Provides electro-mechanical system which simulates ships course and speed.	Servonics Inc F21-001	M-58-b-1837		P/O AN/SPS-T2 OA-2081/SPS-T2 U/W AN/SPS-6,8 & 12
SM-148/SPS-T2	Antenna Position Simulator	Electro-mechanical system that generates voltage output proportioned to azimuth antenna position, to simulate RHI and PPI bearings.	Servonics Inc F22-001	N-58-b-1838		P/O AN/SPS-T2 OA-2081/SPS-T2 U/W AN/SPS-6,8,12
SM-149/SPS-T2	Radar Signal Simulator	Generates synthetic sea return signal, mixes RHI, PPI, and IFF signals and generates reference signals.	Servonics Inc F23-001	N-58-b-1839		P/O OA-2081/SPS-T2 U/W AN/SPS-6,8,12
SM-150/SPS-T2	Radar Signal Simulator	Generates controllable synthetic radar signal	Servonics Inc F11-001	N-58-b-1840		P/O AN/SPS-T2 OA-2082/SPS-T2 U/W AN/SPS-6,8,12
SM-151()/SPQ-2 SM-151/SPQ-2	Test Set Simulator	Confidential.		USN-58-6-2305		
SM-152()/SQS-23	Sonar Target Signal Simulator	Simulates sonar echoes from moving synthetic submarine target to audio and video inputs of sonar detecting ranging set.	Raytheon 3193 Sangamo Electric Co	USN-58-m-1950	SHIPS-T-2501 STR-880F SHIPS-D-2687 + Add. 1	P/O AN/SQS-23()
SM-153()/GSQ-33 SM-153/GSQ-33	Verifier Simulator	Supplies simulated radar input data to computer in digital form and verifies corresponding computing output data during simulated guidance runs.	Burroughs Corp DCS/4-02	WDD-58-952		P/O AN/GSQ-33
SM-154()/MPQ-4A SM-154/MPQ-4A	Antenna Position Simulator	Simulates the antenna pulse and position of Radar Set AN/MPQ-4A.	General Electric SM-B-432697	SIMSA-62-212	S-C-A-46602A	U/W AN/MPQ-4 P/O MK-673/MPQ-4A
SM-155()/GRS-1	Lateral Rates Simulator	Confidential.		WDD-58-145		
SM-156()/GRS-1	Receiver Gain Control Simulator	Confidential.		WDD-58-155		
SM-157()/GRO-2 SM-157/GRO-2	Range-Timing Simulator	Checks the range tracker circuits for dynamic accuracy; aligns the gear train; tests analog converters.	General Electric PL7308864G2	WDD-62-10109		U/W AN/GRQ-9
SM-158()/GRQ-2 SM-158/GRQ-2	Command Signals Simulator	Simulates checkout, override, pre-inhibit command, and control signals to the command control panel in the encoder cabinet for test purposes.	General Electric PL7308204G2	WDD-62-10110		P/O AN/GRQ-9

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SM-159/DSM	Guided Missile Simulator	Simulates BT-3, BT-3A, and MT-3 missile response and loading to signals from ships launching system. Replaces missile on launcher to simulate firing and handling operations. U/W Terrier Launcher.	Convair	N-58-d-2246		
SM-160()/TPN-12 SM-160/TPN-12	Radar Target Simulator	Facilitates proper orientation and detection of circular polarization in antenna system.	Bendix Radio	WL-58-2074	MIL-R-9616	P/O AN/TPN-12
SM-161/DSM	Guided Missile Simulator	Missile simulator to train personnel and check-out launcher circuitry. U/W Tarter Launcher.	Convair 1514480	N-58-d-2349		
SM-162()/GJM-1 SM-162/GJM-1	Ground Sequencer Circuit Simulator	Detects output signals from ground sequencer test set and responds by providing inputs in chronological sequence.	Aerojet General Corp	WDD-58-2577		
SM-163()/GJM-2 SM-163/GJM-2	Airborne Sequencer Circuit Simulator	Simulator enables determination of usability of TS-1245/GJM-2&().	Aerojet General Corp	WD-58-2567		P/O AN/GJM-2
SM-164()/GJM-3 SM-164/GJM-3	Rocket Engine System Circuit Simulator	Electrically duplicates Stage I Rocket Engine Harness and GSE Circuits involved in Stage I starting sequence. Checks Stage I System Analyzer.	Aerojet General Corp	WDD-58-2570		P/O AN/GJM-3
SM-165()/GJM-4 SM-165/GJM-4	Rocket Engine System Circuit Simulator	Electrically duplicates Stage II Rocket Engine Harness and GSE circuits involved in Stage II starting sequence. Checks Stage II System analyzer.	Aerojet General Corp	WDD-58-2573		P/O AN/GJM-4
SM-166/U	Video Simulator	Generates simulated video signals for testing electronic circuits in radar set.	Emerson Electric Co 539016	N-59-T-214		P/O AN/KPQ-1
SM-167()/TPS-25 SM-167/TPS-25	Doppler Pulse Simulator	Simulates detected video from Radar Set IF strip. Output checks sensitivity of box car detector in AN/TPS-25() on"go-no-go"basis.	Hazeltine Electronics A-22191	SESA-58-2245		P/O OA-2207/TPS-25
SM-168/UPM-89	Ground Position Indicator Simulator	Simulates ground position information normally supplied by ground position indicator.	Hazeltine Electronics A-31265	USN-59-ah-389	MIL-T-945A	P/O AN/UPM-89 U/W AN/APS-82
SM-169()/GPM SM-169/GPM	Radar Target Simulator	Pole mounted passive moving target simulator operating in "S" band for use in remote and unattended location.		CRC-59-10		U/W AN/FPS-14 AN/FPS-18 AN/CPN-18
SM-170/SQS-23	Sonar Target Signal Simulator	Confidential.		N-59-n-440		
SM-171/SPS-T1	Target Course Simulator	Provides synthetic range and azimuth output for gating simulated radar return pulse in radar signal simulator.	Aeromotive Equipment 8601	N-59-b-535	SHIPS-T-2206 Adden 3	P/O AN/SPS-T1
SM-172/SPS-T1	Position-Ships Course Antenna Simulator	Simulates antenna position either by synchronization with radars having single speed synchro outputs or by internal generation of signal speed synchro bearing information.	Aeromotive Equipment	N-59-b-536	SHIPS-T-2206 Adden 3	P/O AN/SPS-T1
SM-173/SPS-T1	Radar Signal Simulator	Provides up to 6 synthetic radar and beacon return signals, positioned in range and azimuth by target course simulators.	Aeromotive Equipment 8801	N-59-b-537	SHIPS-T-2206 Adden 3	P/O AN/SPS-T1
SM-174/SPG-55	Radar Signal Simulator	Generates simulated target variable or fixed in range, and variable in angular offsets. Enables check of dynamic characteristics of radar tracking system.	Sperry Gyroscope 2375416	USN-59-d-735		P/O AN/SPG-55
SM-175/UQS-T1D	Own Ship Simulator	Electro-mechanical system for simulating own ship's motion. Instructor.	Radio Corp of Amer	N-59-n-863		P/O AN/UQS-T1D
SM-176/UQS-T1D	Sonar Target Signal Simulator	Electro-mechanical synthetic sonar signal generator. Simulates target motion, course and speed. Instructor.	Radio Corp of Amer	N-59-n-864		P/O AN/UQS-T1D
SM-177/UQS-T1D	Transducer Simulator	Electro-mechanical system simulates sonar signals. Automatic.	Radio Corp of Amer	N-59-n-865		P/O AN/UQS-T1D
SM-178/UQS-T1E	Own Ship Simulator	Electro-mechanical system simulates ship's motion, course and speed. Permits trainer to accept dwell-time and zero-time pulses from AN/SQS-4 for keying synchronization.	Radio Corp of Amer	N-59-n-866		P/O AN/UQS-T1E
SM-179/UQS-T1E	Transducer Simulator	Electro-mechanical system, generates synthetic sonar signals. Automatic.	Radio Corp of Amer	N-59-n-867		P/O AN/UQS-T1E
SM-180/SPS-T2A	Antenna Position--Trigger Pulse Simulator	Simulates elevation antenna and vertical scanning process. Generates simulated prf, timing waveforms, reference voltage.	Servonics Inc 61-001	N-59-b-1193		P/O AN/SPS-T2A OA-2334/SPS-T2A
SM-181/SPS-T2A	Radar Signals Own Ship Simulator	Simulates sea return, mixes RMI/PPI signals, furnishes reference signals and simulates own ships course and speed.	Servonics Inc 63-001	N-59-1194		P/O OA-2334/SPS-T2A AN/SPS-T2A
SM-182/SPS-T2A	Antenna Position Simulator	Generates voltage signals proportional to azimuth antenna positions of both height-finder and air search radars.	Servonics Inc 62-001	N-59-b-1195		P/O AN/SPS-T2A OA2334/SPS-T2A
SM-183/SPS-T2A	Radar Signal Simulator	Electro-mechanical system which generates synthetic radar signal. Signal is controllable by instructor in 3 dimensions.	Servonics Inc 51-001	N-59-b-1196		P/O AN/SPS-T2A OA-2335/SPS-T2A
SM-184/SPS-T	Recognition Signal Simulator	Electronic circuits to generate simulated coded recognition signals.	Servonics Inc 70-101	N-59-b-1197		U/W AN/SPS-T2A OA-2335/SPS-T2A
SM-184/SPS-T2A	Recognition Signal Simulator	Generates simulated coded recognition signals. making equipment capable of operation with AN/UPX-1, AN/UPX-5/12, AN/UPA-24, AN/UPA-39 etc.	Servonics Inc 70-101	N-59-b-1197		U/W AN/SPS-T2A OA-2335/SPS-T2A
SM-185/SPG-55	Radar Signal Simulator	Generates simulated video return of Terrier Missile launched from ship. Enables checking of dynamic characteristics of beacon tracking system.	Sperry Gyroscope Co	USN-59-d-1224		P/O AN/SPG-55

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SM-186/SPS-T	Antenna Position-Trigger Pulse Simulator	Classified.				
SM-187()/APS-81 SM-187/APS-81	Antenna Position Simulator	Uses mechanical gear and electronic circuit to provide output signals identical to those of the antenna system. Controls operated by maintenance personnel.	General Electric 7631972G1	AEL-59-277		U/W AN/APS-81
SM-188()/APS-81 SM-188/APS-81	Radar Signal Simulator	Supplies fixed or moving artifical radar echo indications to system at various azimuth positions for both nose and tail radar sets.	General Electric 7631970G1	AEL-59-286		U/W AN/APS-81
SM-189/UPM-99	Coder Simulator	Permits following tests: frequency measurements, coding tests, decoding tests, demodulation, calibrated pulse generation, synthetic IFF target generation, pulse counting, receiver sensitivity.	Admiral Corp 597D112	USN-59-b-1534	SHIPS-S-3119	P/O AN/UPM-99
SM-190()/APS-95 SM-190/APS-95	Radar Signal Simulator	Generates radio frequency targets, measures cancellation ratio, subclutter visibility, receiver sensitivity, transmitter power.	Hazeltine Electronics A32382	AEL-59-349	MIL-R-26399 (USAF)	P/O OA-2244/APS-95 U/W AN/APS-95
SM-190A/APS-95	Radar Signal Simulator	Generates RF targets, measures cancellation ratio, subclutter visibility, receiver sensitivity, transmitter power. Monitors AN/APS-95.		AEL-61-1661		U/W IA-2244/APS-95
SM-191()/GSN-11 SM-191/GSN-11	Radar Signal Simulator	Simulates aircraft range and azimuth position by electronic circuits. Operated by traffic controller at a console.	Crosley 610779	CRC-59-151	AFCRC-57-6	P/O OA-2453/GSN-11
SM-192()/ASG-15-T1 SM-192/ASG-15-T1	Radar Signal Simulator	Generates two simultaneous programmed target attacks. Provides simulated radar and TV signals similar to signals in AN/ASG-15 resulting from real targets.	Reflectone Electronics 399-5-5000	AEL-59-664		P/O AN/ASG-15-T1
SM-193()/FJW-1	Thermal Radiation Simulator	Simulates initial rise and duration of thermal pulse associated with nuclear detonation: permits remote testing of DT-219()/FJW-1.		SEL-59-1276		P/O AN/FJW-1(V)
SM-194()/GSA-28 SM-194/GSA-28	Test Message Simulator	Provides accurate pre-determined "A" input message. Simulates input data message normally applied to translator.	Radio Corp of Amer 8315020-501,2	WL-59-1820	MIL-P-26444 (USAF)	P/O OA-2514/GSA-28
SM-195()/APG-T3 SM-195/APG-T3	Signal Countermeasure Simulator	Generates ground clutter gating, various forms of jamming, preamplifier noise, range attenuation of video.	Emerson Radio AS4981	AEL-59-684		P/O OA-2370/APG-T3
SM-196()/APG-T3 SM-196/APG-T3	Antenna Position Simulator	Electro-mechanical assemblies allow reception of information to various chassis and computers in both azimuth and elevation.	Emerson Radio AS4986	AEL-59-697		P/O OA-2370/APG-T3
SM-197/UPM-98	Coder Simulator	Includes wavemeter, Mark X Coder, calibration control and demodulator for radar test set.	Admiral Corp 597D122	N-59-b-2293	SHIPS-T-3268	P/O AN/UPM-98
SM-198()/APQ-72 SM-198/APG-72	Radar Target Simulator	Airborne device allowing effective and rapid training in use of complex weapons delivery system.	Westinghouse Electric	USN-59-Q-2472		U/W AN/APQ-72
SM-200/T	Guided Missile Pre-Launch Signals Simulator	Simulates pre-launch signals of either battery powered or air turbine powered missile, provided simulated operation of AN/MSE-1A. P/O Corporal System.		ORDXR-164-59		
SM-201()/TPS-25 SM-201/TPS-25	Radar Target Simulator	Simulates target for orientation of AN/TPS-25.	Hazeltine Electronics A23405	SESA-59-2685		U/W AN/TPS-25
SM-202/GSQ	Guided Missile Pre-Launch Signals Simulator	Instructs personnel on the method and techniques used for launching guided missiles.		ORDXR-9-60		
SM-203()/GSK-1 SM-203/GSK-1	Simulator-Verifier	Simulates and verifies missile flight information for comparison of computed and expected results; indicating any discrepancy.	Remington Rand Univac 211300	WDD-60-3316		P/O AN/GSK-1
SM-204()/GPS-T4 SM-204/GPS-T4	Radar Signal Simulator	Operator sets in initial aircraft conditions and controls target with demand inputs.		AEL-60-R-451	MIL-S-26972B	P/O OA-2736/GPS-T4 U/W AN/GPS-T4
SM-205/ASA-36	Digital Simulator	Generates normal operating inputs to a Digital Data Communications Control Set AN/ASW-14.	Western Electric Co GS-60526	N-60-ah-641		P/O AN/ASA-36
SM-206()/ASA-28 SM-206/ASA-28	Control Malfunction Simulator	Simulates malfunctions into AN/APQ-T2A, AN/APA-141 and AN/ASB-4.	Marquardt Corp	AEL-60-360		P/O AN/ASA-28
SM-207()/UPM-114 SM-207/UPM-114	Antenna Position Simulator	Contains signal sources and loads needed to test electronic control amplifier and azimuth range indicator.	Bendix Pacific Corp 1050360	N-60-ah-985	MIL-T-18306	P/O AN/UPM-114 U/W AN/APS-88
SM-208()/PSM- SM-208/PSM-15	Pneumatic Pressure Simulator	Self contained, completely portable unit for use in conjunction with the pressure control unit. Supplies pressure for test purposes.	McDonnell Aircraft	N-60-ah-1067	MIL-T-21200	P/O AN/PSM-15
SM-209/APM-92	Resolver Simulator	Simulates the outputs of the two AI Radar Antenna Position Resolvers used in the head aim computation circuits.	Raytheon 50276A	USN-60-ah-1111		P/O AN/APM-92
SM-210/APM-92	Vertical Gyro Simulator	Simulates certain pitch and roll outputs of the vertical gyro of Radar Sets AN/APQ-72 for testing the stabilization circuitry.	Raytheon 3093C	USN-60-ah-1112		P/O AN/APM-92
SM-211/AWM-8	Antenna Position Simulator	Simulates antenna resolver inputs to computer, to determine whether a fault can be attributed to the antenna resolvers.	Raytheon 50095A	USN-60-ah-1118		P/O AN/AWM-8
SM-212()/ULM-2 SM-212/ULM-2	Aircraft Compass Simulator	Specifically designed for use with the test bench harness of Countermeasurements Receiving Set AN/ALQ-28.	Loral Electronics 136811-000	N-60-ah-1286		P/O AN/ULM-2 U/W AN/ALQ-28
SM-213()/APQ-83 SM-213/APQ-83	Aircraft Altitude Simulator	Simulates roll and pitch normally provided by the aircraft's gyro computing system.	Magnavox Co 197367	N-60-ah-1379		P/O AN/APQ-83
SM-214()/APQ-83 SM-214/APQ-83	Hand Control Simulator	Provides variations of range, azimuth and tilt voltage signals to simulate operation of hand control.	Magnavox Co 193783	N-60-ah-1380		P/O AN/APQ-83
SM-214A/APQ-83	Hand Control Simulator	Provides variations of range, azimuth and tilt voltage signals to simulate operation of hand control.	Magnavox Co 193783-1	N-61-W-1075		U/W AN/APQ-83,94

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SM-215/AQS-10	Sonar Target Signal Simulator	Classified.		N-60-Q-1611		
SM-216/AQS-10	Transducer Simulator	Classified.		N-60-Q-1612		
SM-217()/GKA-5(V) SM-217/GKA-5(V)	Antenna Relay Simulator	Simulates the status of the individual relays part of the antenna switching group, in response to programmed commands.	Radio Corp of Amer 8617200-501	WL-60-3096		P/O AN/GKA-5(V)
SM-218()/GKA-5(V) SM-218/GKA-5(V)	Voltage Signals Simulator	Simulates output of directional coupler and cycling off signals of the high power transmitter to aid in testing the power monitor.	Radio Corp of Amer 8617210-501	WL-60-3099		P/O AN/GKA-5(V)
SM-219/ASM-32	Signal Data Simulator	Simulates and indicates heading, air speed and antenna rotation, and computer calibration voltages.	Magnavox Co 712433-1	N-60-ah-2153		P/O AN/ASM-32
SM-220/UG	Transmitter Signal Simulator	Simulates transmitted signal pattern for operational performance check of TSEC/KW-37R.		N-60-Y-2194		
SM-221()/GSN-11 SM-221/GSN-11	Electronic Command Signals Simulator	Provides synthetic inputs which provide maintenance testing of inactive channels.	Cook Electric Co 597-8680	CRC-60-124	AFCRC-57-6	P/O OA-3149/GSN-11
SM-222/DSM	Radio Frequency Simulator	Used with guided missile test set to permit testing of TDD, Mark 7 Mod 0 in the Tarter/HT-3 Missile.	Hycon Mfg	N-60-W-2324	MIL-T-22116	P/O AN/DSM-55(V) AN/DSM-54(V)
SM-223()/ASW-17 SM-223/ASW-17	Navigational Signals Simulator	Simulates the signals such as ground velocity, altitude, north and south range, true heading and drift angle.	Douglas Aircraft Co	AEL-60-1228		U/W AN/ASW-17
SM-224()/GP SM-224/GP	Radar Target Simulator	Used to establish a fixed range and angle point on the display of any radar set. Frequency range: 2650 to 2950Mc.	Gilfillan Bros 88821-2	RONE-60-R-17		U/W AN/CPN-4() AN/MPN-11() AN/FPN-16 AN/CPN-18()
SM-225()/GP SM-225/GP	Radar Target Simulator	Establishes a fixed range and angle point on display of radar set. Range: 2650 to 2950Mc "S" band and 8500 to 9600Mcs "X" band.	Gilfillan Bros 88821-1	RONE-61-R-18		U/W AN/CPN-4() AN/MPN-11() AN/FPN-16 AN/CPN-18()
SM-226()/GP SM-226/GP	Radar Target Simulator	Reflecting element. Frequency range: 8500 to 9600Mc.	Gilfillan Bros 88821-3	RONE-61-R-19		U/W AN/CPN-4() AN/FPN-11() AN/FPN-16() AN/CPN-18() P/O AN/FPN-16
SM-227()/FPT-7 SM-227/FPT-7	Antenna Position Simulator	Uses mechanical cam system. Has digital encoded position output.	General Electric 229E251G1	WL-61-W-207		P/O AN/FPT-7 AN/ASM-36 U/W AN/APM-74
SM-227()/FPS-50(V) SM-227/FPS-50(V)	Antenna Position Simulator	Uses mechanical cam system. Has digital encoded position output.	General Electric 229E251G1	WL-61-R-2553		P/O AN/FPT-7 AN/FPS-50(V)
SM-228/ASM-36	Navigational Computer Input Simulator	Supplies simulated air speed, heading, doppler drift and doppler heading to AN/ASA-13A.	Loral Electronics 145323-000	N-61-W-207		P/O AN/ASM-36 U/W AN/APM-74
SM-229()/APM-148 SM-229/APM-148	Doppler Signal Simulator	Simulates doppler return, providing discrete doppler signals of 100, 990, and 1980cps. Mechanical simulator.	Ryan Electronics 500125-G1	N-61-W-390		P/O AN/APM-148
SM-230()/APM-152 SM-230/APM-152	Heat Load Simulator	300 watt heat source to simulate heat load generated by klystron transmitter tube. Contains temperature monitor meter and coolant fluid control valve.	Ryan Electronics 500058-G1	N-61-W-402		P/O AN/APM-152
SM-231()/APM-154 SM-231/APM-154	Doppler Signal Simulator	Simulates doppler return, providing discrete doppler signals of 100, 990 and 1980cps. Mechanical simulator.	Ryan Electronics 500183-G1	N-61-W-438		P/O AN/APM-154 U/W RT-590/APN-130
SM-232()/GMQ	Wind Speed Simulator	Field checkout device for T-610/MMQ-1A Wind Transmitter. Provides 600rpm shaft output to drive wind transmitter.	Monmouth Electric Co	SIMSA-61-2205	MIL-R-13787	U/W AN/MMQ-1A AN/PMQ-6
SM-233/DSM-54(V)	Radio Frequency Simulator	Used as accessory of Guided Missile Test Set AN/DSM-54(V) Type C to permit testing of TDD Mark 19 Mod. 0 in Terrier BT-3(A).	Hycon Mfg 2194661	N-61-W-734		U/W AN/DSM-54(V)
SM-233A/DSM-54(V)	Radio Frequency Simulator	Used as accessory of Guided Missile Test Set AN/DSM-54(V) Type C to permit testing of TDD Mark 20 Mod. 0 in Terrier BT-3(A). One way interchangeable with SM-233/DSM-54(V).	Hycon Mfg 2194753	N-61-W-2293		U/W AN/DSM-54(V)
SM-234/ASW-17	Missile Launch Control Subsystem Simultor	Simulates signals normally supplied by CAM-87A missile to carrier aircraft installed portion of AN/ASW-17; exercises AN/ASW-17.	Douglas Aircraft Co	AEL-61-179		
SM-235()/MWM-1 SM-235/MWM-1	Radar Signal Simulator	Simulates radar target echo. The generator signal contains information for controlling the position of the antenna of the system under test.	Radio Corp of Amer 8312198-502	AEL-61-222		P/O AN/MWM-1
SM-236()/GRM-18 SM-236/GRM-18	Command Signals Simulator	Simulates normal closing and opening of Mod. III G Command Signals Decoder KY-383/DRW-25(V). Simulates multi-relay closures. Validates correct operation of panel monitor.	General Electric 7641695-G1	WDD-61-181		P/O AN/GRM-18
SM-237/SQS-26	Target Signal Simulator	Electronic circuitry for synthetic sonar signal output. Provides distribution of the simulated incoming target signal.	General Electric 7627404G2	N-61-n-980		P/O AN/SQS-26

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SM-238()/FJW-1(V)	Gamma Radiation Simulator	Contains 4-6 millicuries of radioactive cobalt-60. Provides means of testing detector, Gamma Radiation DT-220()/FJW-1.		SCL 5668		P/O AN/FJW-1(V)
SM-239/T	Radio Frequency Detector Simulator	Simulates body mounted Radio Frequency Detector RF-123/T by furnishing electrical continuity for the simulated beacon when wings are not mounted on the Guided Missile Trainer: M33.		ORDXR-70-61		P/O M50(SM50)
SM-240/T	Radio Frequency Detector Simulator	Simulates RF-124/T Detector. RF furnishes electrical continuity for simulated beacon when wings are attached.		ORDXR-71 61		P/O M50(XM50)
SM-241/ASA-36A	Digital Data Simulator	Control panel and chassis containing plug-in circuitry for generating normal operating inputs to digital data communications control set.	Western Electric Co GS-66351	N-61-W-1243		P/O AN/ASA-36A
SM-242/SYA-1(V)	Video Signals Simulator	Generates simulated radar and video signals. Accepts inputs from radars and a computer; generates simulated main bang and synchro azimuth signals.	Hughes Aircraft Co 575304	N-61-b-1288	SHIPS-C-3794	P/O AN/SYA-1(V)
SM-243()/FPS-24 SM-243/FPS-24	Antenna Position Simulator	Simulates rotation of antenna to facilitate checkout of A.J. Console. Mechanical CAM system.	General Electric	WL-61-2588		P/O AN/FPS-24
SM-244/AJB	Compass Deviation Simulator	Simulates adjustment module of MX-2826/AJB during functional bench test.	Lear Inc LT-4409	N-61-W-1404		P/O AN/AJB-3,3A U/W MX-2826/AJB
SM-245()/GSM-62 SM-245/GSM-62	Missile Launch Electrical Function Simulator	Simulates all missile loads and G & C umbilical release and retraction squibs and launcher closure actuation squibs.	Boeing Aircraft Co	WDD-61-3988		P/O AN/GSM-62
SM-246()/GSW-4T1 SM-246/GSW-4T1	Electrical Power System Simulator	Provides power, circuit breakers, controls, relays and operating characteristics typical of operating system.	Boeing Aircraft Co	WDD-61-4071		P/O OA-3461/GSW-4T1
SM-247/GSW-4T1	Fault Locator Simulator	Duplicates corresponding operational unit for training purposes. Incorporates cable simulation resistors, simulated indicator panel and operational Wheatstone bridge. Cancelled.	Boeing Aircraft Co	WDD-61-4069		P/O OA-3461/GSW-4T1
SM-248()/ALQ-T4(V) SM-248/ALQ-T4(V)	Radar-Radio Signal Simulator Station	Generates programmed output signals to simulate video and audio characteristics of several types of RF transmissions; 19 different programmed characteristics.	Reflectone Electronics 473-5-181500	AEL-61-583		P/O AN/ALQ-T4(V)
SM-249()/ALQ-T4(V) SM-249/ALQ-T4(V)	Electronic Signal Characteristics Simulator	Generates programmed output signals to simulate video and audio characteristics of several type of RF transmissions; 19 different programmed characteristics.	Reflectone Electronics 473-4-185000	AEL-61-584		P/O AN/ALQ-T4(V)
SM-250()/ALQ-T4(V) SM-250/ALQ-T4(V)	Antenna Simulator	Generates signals simulating antenna beam shape and scan rate characteristics. Up to 50 different ac/dc antenna characteristics signals, voice and CW signals generated simultaneously. Provides facilities for recording up to 50 such signals.	Reflectone Electronics N473-5-189000	AEL-61-585		P/O AN/ALQ-T4(V)
SM-251/T	Electronic Command Signals Generator Simulator	Simulates electrical and physical characteristics of SG-385/M in M33(XM33) Guided Missile Trainer. Contains interval timers, comparator, inverter and stepping switch.		ORDXR-83-61		P/O M33(XM33)
SM-252()/ASM-55 SM-252/ASM-55	Astro-Compass Simulator	Simulates Automatic Astro-Compass MD-1 true heading signal (0°-355°55') and "on-star" voltage; monitors AN/AJQ-4 computer outputs.	AC Spark Plug 7940886	AEL-61-708		U/W AN/ASM-55
SM-253()/ASM-57	Gyroscopic Signal Simulator	Simulates output signals from Collins Type 332D-8 or 332D-9 vertical gyro. Simulates pitch and roll of aircraft for bench testing. Manually controlled.	Collins Radio 522-1146-00 Type 477K-1	SIMSA-61-305		P/O AN/ASM-57()
SM-254()/ASM-57	Navigational Control Simulator	Simulates output of standard synchro transmitter; simulates heading signals of gyro stabilized magnetic compass; manually controlled.	Collins Radio 522-1147-004 Type 477L-1	SIMSA-61-306		P/O AN/ASM-57()
SM-255()/SPG-55B SM-255/SPG-55B	Radar Signal Simulator	Generates simulated video return of Terrier Missile launched from ship. Enables dynamic characteristics check of beacon tracking system. Contains circuitry used by lag and jitter meters.	Sperry Gyroscope Co 1023720	N-61-W-1684		P/O OA-3527/SPG-55B
SM-256()/GSM-73 SM-256/GSM-73	Message Simulator	Confidential.		AEL-61-1620		
SM-257()/GSM-73 SM-257/GSM-73	Antenna Simulator	Simulates functions of OA-3177/GSC-7. Provides loads, test points and simulated antenna servo signals.	Electronic Commun 01-00221-000	AEL-61-1622		P/O OA-3675/GSM-75
SM-263()/GYK-1(V) SM-263/GYK-1(V)	Electronical Impedance Simulator	Contains circuitry to apply test signals to command network and cable termination equipment; modifies response signals for evaluation by automatic test set.	Radio Corp of Amer 1193060-502	WDD-61-5965		U/W AN/GYK-1(V)
SM-264()/ASM-35 SM-264/ASM-35	Signal Data Simulator	Simulates signals from AN/APS-20 Radar Set, AN/ASA-20 Julie Recorder, AN/AQA-1 Universal Sonobuoy Indicator and AN/ASA-13 Navigational Computer.	Magnavox Co 712077-801	N-61-W-1890		P/O OA-3579/ASM-35
SM-265()/GPS-T5 SM-265/GPS-T5	Radar Signal Simulator	Simulates integrated target positioning data; synthetic radar signal output. Controls operated by instructor at console.	Marquardt Corp 936-1200	AEL-61-853		U/W AN/GPS-T5
SM-266()/GPS-T5 SM-266/GPS-T5	Radar Signal Simulator	Simulates integrated target positioning information; synthetic radar signal output. Controls operated by instructor at console.	Marquardt Corp 9361025	AEL-61-854		P/O AN/GPS-T5
SM-267()/P SM-267/P	Guided Missile System Simulator Test Adapter	Portable unit enabling programmer-test station to test the tactical Pershing Missile while missile is disassembled in tactical containers.		ORDAB-1061		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SM-268( )/A	Infrared Target Simulator	Provides a moving infrared target of known intensity to test AN/AAA-4. Target is representative of infrared target presented by an aircraft in flight.	McDonnell Aircraft MDE 32756-1	N-61-W-1945	MIL-T-21200 (ACG)	U/W AN/AWM-8 AN/AAM-1
SM-269( )/ASM-62 SM-269/ASM-62	Transducer Simulator	Provides rapid simulation of local angle of attack and MACH compensation to CADC and AMCS. Used during "E" level maintenance with AN/PSM-17 or TS-1689/ASM-62&( ).	McDonnell Aircraft MDE 32731-1	N-61-W-1953		P/O AN/ASM-62
SM-270( )/GJQ-17-T1 SM-270/GJQ-17-T1	Missile Guidance Alignment Checkout Group Simulator	Simulates AN/GJQ-17 indicators to provide operation instruction for launch and maintenance personnel. Manual and partial automatic operation. Simulates appearance, test points, test sequences.	AC Spark Plug	WDD-61-730		P/O AN/GJQ-17-T1
SM-271( )/APM-166 SM-271/APM-166	Gyroscope Signal Simulator	Simulates gyro roll, pitch and heading signals. Reads out 9 and 6-bit converter signals.	Lab for Electronics 58312-1	AEL-61-788	MIL-T-21200	P/O OA-3603/APM-166
SM-272( )/ASN SM-272/ASN	Compass Transmitter Simulator	Simulates type C2 remote compass transmitter.	Lear Inc LT-3316	SIMSA-61-2886		U/W MA-1
SM-273/MSQ-28	Radar Signal Simulator	Simulates frequency scan radar and fan beam radar signals; azimuth, elevation and target information. Furnishes 4 elevation signals and 2 video signals. Also supplies test signals.	Hughes Aircraft Co 501082-100	SIMSA-61-4124	ADA-19A w/amend 1	P/O OA-2308/MSQ-28
SM-274/MSQ-28	Radar Signal Simulator	Simulates frequency scan radar and fan beam radar signals; azimuth, elevation and target information. Furnishes 28 digital signals, 2 video signals. Also supplies test signals.	Hughes Aircraft Co 501083-100	SIMSA-61-4125	ADA-19A w/amend 1	P/O OA-2308/MSQ-28
SM-275/MSQ-28	Radar Signal Simulator	Simulates frequency scan radar and fan beam radar signals; azimuth, elevation and target information. Furnishes 19 range digitizer signals, 3 sweep and 4 video signals; 19 azimuth digitizer signals, 13 elevation digitizer signals and additional digital, synchro and test signals.	Hughes Aircraft Co 501396-100	SIMSA-61-4128	ADA-19A w/amend 1	P/O OA-3208/MSQ-28
SM-276( )/APM-170 SM-276/APM-170	Doppler Signal Simulator	Simulates doppler input to AN/APM-170. Center frequency at 21.888kc, 10.944kc, 5.472kc and 2.736kc; background noise 20cps-30kc; 0.5-1.5vrms.	Burroughs Corp 4165-6602-501	AEL-61-1679		U/W AN/APM-170
SM-277( )/ASM-76	Radar Signal Simulator	Simulates radar signals mixed with noise and clutter. All are remote controllable and programmable. Self tests all outputs.	General Electric 229E542G1	N-61-W-2492		P/O OA-3733( )/ASM-76
SM-278( )/AAM-2 SM-278/AAM-2	Infrared Target Simulator	Provides a moving target of known intensity for the test of the AN/AAA-4 at C,D and E level maintenance.	McDonnell Aircraft	N-62-W-23	MIL-T-21200 (ASG)	P/O AN/AAM-2 U/W AN/AAM-3
SM-279/WPN	Loran Signal Simulator	Simulates, then phase codes, attenuates, delays, transmitted Loran pulses to test the Loran Receiving Set.	Sperry Gyroscope Co	N-62-b-94		U/W AN/SPN-32 AN/WPN-4
SM-280( )/GSA-55 SM-280/GSA-55	Test Message Simulator	Simulates "A" input message. Tests the system and locates trouble under operating conditions.	Radio Corp of Amer 8315020-501	WL-62-1031		P/O OA-3827/GSA-55
SM-281( )/MSQ SM-281/MSQ	Signal Simulator	Simulates data signal to initially set and test direction finding and signal receiving equipment.	Sperry Gyroscope Co 1509231	WL-62-1340		P/O OA-3847/MSQ
SM-282/TPS-34	Radar Signal Simulator	Confidential.		N-62-T-279		
SM-283( )/GPA-T6 SM-283/GPA-T6	Countermeasures Signals Simulator	Supplies a countermeasures signal to an existing radar for use as an operator training device.	Sylvania Electric Co 300500	AEL-62-141		P/O OA-3873/GPS-T6
SM-284( )/UP	Servo Drive Simulator	Simulates film drive servo and other inputs to operate RO-166/UP.	Motorola Inc 263-30564	SIMSA-62-141		U/W RO-166/UP
SM-286( )/MSM-60	Air Speed Altitude Simulator	Tests and calibrates airspeed and altitude transducer of automatic flight control system, Surveillance Drone SD-2.	A Biedermen Inc 3001-1-A	AEPG-48-62	CSD-23-59	P/O OA-3896( )/MSM-60
SM-287( )/GSW-4T1 SM-287/GSW-4T1	Radio Control Simulator	Simulates control and monitoring characteristics of AN/GRC-113. Controls for audio originating at instructor console.	Boeing Aircraft Co	WDD-61-4515		P/O SM-288/GSW-4T1
SM-288( )/GSW-4T1 SM-288/GSW-4T1	Radio Set Control Simulator	Used for personnel training: simulates HF, UHF; reproduces simulated SAC primary alert system functions; provides for monitoring of trainees; reproduces instructor's comments (audio).	Boeing Aircraft Co	WDD-61-4591		P/O OA-3461/GSW-4T1
SM-289/GSW-4T1	Communication Channels Simulator	Makes one complete dial line system which allows the OA-3467/GSW-4T1 operator to simulate operational communicatication channels.	Boeing Aircraft Co 25-28887-1	WDD-61-4518		P/O OA-3467/GSW-4T1
SM-290( )/GSW-4T1 SM-290/GSW-4T1	Radio Control Simulator	Simulates the functions of the operational unit. Permits an operator to learn the operating proceedures of the HF radio.	Boeing Aircraft Co	WDD-61-4593		P/O SM-288/GSW-4T1
SM-292( )/APN-145 SM-292/APN-145	Loran Signal Simulator	Simulates transmitted Loran pulses for testing the Loran Receiving Set.	Sperry Gyroscope Co 4223-96038	N-62-W-866		U/W AN/APN-145
SM-293( )/FSA-37 SM-293/FSA-37	Radar Signal Simulator	Generates simulated radar target signal for test purposes.	Radio Corp of Amer 8607339-501	WL-62-1834		P/O AN/FSA-37
SM-294( )/G SM-294/G	Main Missile Battery Simulator	Supplies simulated missileborne power to the missile-born inverter after power changeover switch has been moved to internal position.	Gen Dynamics/Astro 27-44260-1	WDD-62-2023		
SM-295( )/ARM-63	Antenna Position Simulator	Simulates the direction of radio transmitting antenna; provides an output for the sense antenna input of the receiver.	Aircraft Radio Corp VP610710-2	SIMSA-62-188		P/O AN/ARM-63( ) U/W AN/ARN-6 AN/ARN-54 AN/ARN-59
SM-296( )/F SM-296/F	Data Simulator	Simulates data and commands for the sequential monitoring control center.	Radio Corp of Amer 8308052-501	WL-62-2335		P/O OA-4017/F OA-4016/F
SM-297( )/APM-92 SM-297/APM-92	Radar Signal Simulator	Supplies simulation, controls, and test circuits necessary to perform "C" and "D" level maintenance on certain units of Radar Set AN/APQ-72.	Raytheon 50387	N-62-W-1130		P/O AN/APM-92

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SM-298( )/APM-92 SM-298/APM-92	Data Coordinate Simulator	Simulates signal data normally provided by data link computer for readout and scope display.	Raytheon 50388	N-62-W-1131		P/O AN/APM-92
SM-299( )/AS SM-299/AS	Simulator Power Supply	Provides correct power sources and dummy loads for the unit under test in accordance with tape commands from the programmer.	Litton Systems Inc 223059	N-62-W-1135		P/O OA-3742/ASA-48 OA-3345/ASM-43 U/W A2F-1 W2F-1
SM-300/GSW-4T1	Communication Alert Simulator	Simulates 5cps multivibrator.	Boeing Aircraft Co 29-25307-1	WDD-62-4346		P/O OA-4030/GSW-4T1
SM-301( )/GSQ-4T1 SM-301/GSQ-4T1	Survival Lighting Simulator	Operates on 28vdc and simulates Emergency Aid Survival Lighting Equipment MT-4009/GSW-4.	Boeing Aircraft Co 29-25360-1	WDD-61-4536		P/O OA-3463/GSW-4T1
SM-302( )/GSW-4T2 SM-302/GSW-4T2	Missile Computer Simulator	Contains logic circuits that simulate the operation of Missile Guidance Set AN/DJW-14.	Boeing Aircraft Co 25-24604-32	WDD-62-4345		P/O OA-4065/GSW/4T2
SM-303( )/GSW-4T2 SM-303/GSW-4T2	Cable Impedance Simulator	Simulates the impedance and other electrical characteristics of ten miles of 19 twisted pairs made from #16 AWG wire.	Boeing Aircraft Co 25-31839-4	WDD-62-4485		P/O OA-4068/GSW-4T2
SM-304/GSW-4T2	Cable Impedance Simulator	Simulates impedance and other electrical characteristics of 10 miles of 6 twisted pairs made from #19 AWG wire for training purposes.	Boeing Aircraft Co 25-24729-40	WDD-62-4360		P/O OA-4071/GSW-4T2
SM-305( )/GSW-4T2 SM-305/GSW-4T2	Telephone Circuitry Simulator	Distributes the audio and signalling signals of ten simulated launchers.	Boeing Aircraft Co 25-31822-8	WDD-62-4513		P/O OA-4073/GSW-4T2
SM-306( )/AS SM-306/AS	Air Data Simulator	Provides pneumatic simulation for semi-automatic line testing of the CP-528/A.	Giannini Corp 3041024	N-62-W-1257		P/O OA-3345/ASM-43 OA-3739/ASA-43
SM-307( )/GSQ-T5 SM-307/GSQ-T5	Missile Guidance Control	Provides a heat load for, and a temperature sensing signal to the Liquid Cooler Guidance Section, MXK-118/F37U, when used for training purposes.	Boeing Aircraft Co 25-24738-1	WDD-62-4462		P/O AN/GSQ-T5
SM-308( )/GSQ-T5 SM-308/GSQ-T5	Security Detectors Simulator	Simulates devices which are used to monitor the security status of the operational launcher.	Boeing Aircraft Co 25-31885-1	WDD-62-4478		P/O AN/GSQ-T5
SM-309( )/ARM-56 SM-309/ARM-56	Antenna Control Simulator	Position antenna at one of 4 known angles for testing.	Electronic Commun 01-00314-000	AEL-62-401		P/O AN/ARM-56
SM-310( )/ASM-100	Propeller Phase Simulator	Simulates phase and off-speed signals for testing and repairing synchro phaser.	Grumman Aircraft 134SEAV2001	SIMSA-62-332		P/O AN/ASM-100( )
SM-311( )/AAM-14 SM-311/AAM-14	Infrared Signals Simulator	Feeds pre-recorded signals to Infrared Receiver R-1057/AAS-14 to check its operation.	HRB-Singer Inc 61150	SIMSA-62-2715		P/O AN/AAM-14
SM-312( )/TAM-2 SM-312/TAM-2	Infrared Signals Simulator	Feeds pre-recorded signals into Demodulator, Video and Synchronization Signals MD-448/TAQ-1 to check the operation of the AN/TAQ-1.	HRB-Singer Inc 08623	SIMSA-62-2724		P/O AN/TAM-2
SM-313( )/TAM-1 SM-313/TAM-1	Test Signals Simulator	Simulates stimuli to test the printed circuits and modules of Infrared Surveillance Information Center AN/TAQ-1.	HRB-Singer Inc 60960	SIMSA-62-2731		P/O AN/TAM-1
SM-314( )/FPA-21 SM-314/FPA-21	Digital Data Simulator	Simulates missile impact prediction inputs to tactical monitor console. Simulates information for printer and readouts in tactical monitor console.	Radio Corp of Amer 2130295-501	WL-62-3415		P/O OA-4165/FPA-21 OA-4166/FPA-21
SM-315( )/GKY-2 SM-315/GKY-2	Command Signals Decoder Simulator	Simulates the functional characteristics of the Operating Decoder, Command Signals KY-412/GKY-2.	Radio Corp of Amer 8324450-501	WDD-62-6042		U/W AN/GKY-2
SM-316( )/TPS-22 SM-316/TPS-22	Countermeasures Signals Simulator	Simulates jamming signals in the AN/TPS-22. Connects to waveguide by coax cable.	Westinghouse Electric 377A465G01	WL-62-3566		P/O AN/TPS-22
SM-317( )/FPS-74 SM-317/FPS-74	Mixer Simulator	The nominal dual dummy mixer and phase shifter provides a 50Ω input from a signal generator during alignment and calibration of the dual preamplifier and simulates nominal mixer inputs.	Budd Electronics 217A000-000	WL-62-3718		U/W AN/FPS-74
SM-318( )/FPS-74 SM-318/FPS-74	Mixer Simulator	The end limit dual dummy mixer and phase shifter provides a 50Ω input from a signal generator during alignment and calibration of the dual preamplifier and simulates and limits mixer inputs.	Budd Electronics 218A000-000	WL-62-3719		U/W AN/FPS-74
SM-319/SYA-4(V)	Video Signal Simulator	Generates simulated video and provides for mixing simulated with live radar video. Displays output video on PPI indicators.	Hughes Aircraft Co 575304-110	N-62-B-1826	SHIPS-C-4229	P/O AN/SYA-4(V)
SM-320( )/AAM-5 SM-320/AAM-5	Infrared Target Simulator	Provides a calibrated infrared source for use in checkout and fault isolation of AN/AAS-15.	Hughes Aircraft Co 243900	NW-62-8		P/O AN/AAM-5
SM-321( )/GSM-45 SM-321/GSM-45	Electrical Cable Simulator	This 140 conductor cable has shorts, resistance leaks, and other flaws built in. Used to perform "confidence test" at periodical intervals to the test set.		ORDBA-62-0361		P/O AN/GSM-45
SM-322( )/UPX-14 SM-322/UPX-14	Triode Impedance Simulator	Simulates the impedance of the planar triode during calibration.	Budd Electronics 22-3200	WL-62-3901		U/W AN/UPX-14
SM-323( )/ASM-112 SM-323/ASM-112	Servo Signal Simulator	Simulates signals in AM-2853/ASN input circuits, under actual flight conditions.		SIMSA-62-433		P/O AN/ASM-112
SM-324( )/ASM-113 SM-324/ASM-113	Navigational Signal Simulator	Simulates selected heading, bank, and course datum signals normally supplied to Navigational Computer CP-583/ASN.	Collins Radio 522-1149-00	SIMSA-62-438		P/O AN/ASM-113 U/W AN/ASN-33

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
SM-325()/ASM-109 SM-325/ASM-109	Servo Signal Simulator	Simulates voltages for bench testing Navigational Computer Display Set AN/ASN-30.	Huyck Systems Co 526-32-000	N-62-W-1893	XAV 526-1-080A	P/O OA-4352/ASM-109
SM-326()/ALQ-T3(V) SM-326/ALQ-T3(V)	Electronic Signal Characteristics Simulator	Generates output signals to simulate the video/audio characteristics of anyone of a variety of RF transmissions, including radars, communications, FM, AM, CW, etc. For specific training use.	Reflectone Electronic 473-4-585000	AEL-62-541		P/O AN/ALQ-T3(V)
SM-327/ALQ-T3(V)	Radar-Radio Signal Simulator Station	Generates output signals to simulate the video/audio characteristics of anyone of a variety of RF transmissions, including radars, communications, FM, AM, CW, etc. For specific training use.	Reflectone Electronics 473-5-581500	AEL-62-542		P/O AN/ALQ-T3(V)
SM-328()/GMQ	Wind Speed Simulator	Mechanically simulates wind speed for the check-out device for Wind Speed Transmitter T-610()/MMQ-1A and Wind Direction and Speed Transmitter T-420()/GMQ-11.		SIMSA-62-440		U/W AN/MMQ-1 AN/PMQ-6 AN/GMQ-11
SM-329/UPM-124	Radar Signal Simulator	Operated by technician to test coherent M.T.I. equipped radars. Simulates fixed and/or moving targets.	Pitometer Log	N-62-X-2141	SHIPS-S-3717	P/O AN/UPM-124
SM-330()/APM-186 SM-330/APM-18	Simulator Sensitivity Monitor	Used with an anechoic chamber to measure over-all sensitivity of AN/APN-105 and AN/APN-131. Also provides shaped noise signals w/doppler frequency shifts to simulate radar return signals.	Lab For Electronics 58465-1	AEL-62-657		P/O AN/APM-186
SM-332()/APM-188 SM-332/APM-188	Signal Simulator	Provides analog voltages for heading, drift, vertical velocities and aircraft attitudes.	Ryan Electronics 50096-G1	EMSA-62-491		P/O AN/APM-188
SM-333()/GPS-T8 SM-333/GPS-T8	Radar Signal Simulator	Instructor operated electro-mechanical system simulates target positioning information.	Marquardt Corp 9382150	AEL-62-794		P/O OA-4497/GPS-T8
SM-334()/MSQ-54 SM-334/MSQ-54	Ballistics Data Simulator	Provides simulated ballistic data for computer programming prior to weapon release.	Reeves Inst 175633	WL-62-4705		P/O OA-4503/MSQ-54
SM-336/ASM-123	Angle of Attack Simulator	Contains electrical components that provide the simulation of the A.D.T.	McDonnell Aircraft 323331-1	NW-62-637		P/O AN/ASM-123
SM-337()/ASM-10	Omnibearing Selector Simulator	Simulates 0 to 360 compass degree reading to Resolver Test Set AN/ASM-101.	Collins Radio 479V-3	EMSA-62-530		U/W AN/ASM-101
SM-339()/ASA-48 SM-339/ASA-48	Converter Auxilliary Simulator	Used in testing ARA's of the AN/ASQ-57 and AN/ASQ-58 Integrated Electronic Central.	Collins Radio 522-6056-005	NW-62-672	MIL-T-21200B	P/O OA-3743/ASA-48
SM-340()/ASA-48 SM-340/ASA-48	Converter Power Supply Simulator	For testing the IFF and TACAN functions of AN/ASQ-57 and AN/ASQ-58 Integrated Electronic Central. Also provides power for the SM-341/ASA-48.	Collins Radio 522-6276-004	NW-62-686		P/O OA-3743/ASA-48
SM-341()/ASA-48 SM-341/ASA-48	Communication Navigation Converter Simulator	Tests receiver function of AN/ASQ-57 and AN/ASQ-58 for automatic volume control characteristics, signal -to-noise ratio, and distortion.	Collins Radio 522-6277-004	NW-62-687		P/O OA-3743/ASA-48
SM-342()/TPN-14 SM-342/TPN-14	Radar Target Simulator	Functions as artificial target to establish fixed range and azimuth angle point to align the radar set.	Gilfillan Bros GIB 116207	CRC-62-196	MIL-R-27921 USAF	P/O AN/TPN-14
SM-343/SRC-16	Doppler Shift Simulator	Used to test terminal equipment doppler correcting circuitry. Range: 499.95 to 500.05kc.	Collins Radio 528-0369-005	N-63-Y-160	SHIPS-C-3995A	U/W AN/SRC-16
SM-344()/APS-94 SM-344/APS-94	Doppler-Navigator Simulator	Simulates outputs of aircraft doppler navigator and compass and presents them to Radar Surveillance Set AN/APS-94(). Used for testing.	Motorola Inc 01-27869A01	EMSA-63-41		U/W AN/APS-94 AN/APS-94A
SM-345()/FPS-49 SM-345/FPS-49	Coordinate Data Simulator	Provides test coordinate designations in angle, range and range rate to enable tracking radar to acquire a simulated test target.	Radio Corp of Amer 8305115-501	WL-63-1604		P/O OA-3537/FPS-49
SM-346()/APM-196 SM-346/APM-196	Radar Target Indicator Simulator	Simulates Radar Target Indicator IP-516/APS-94 for testing Recorder Processor-Viewer RO-166/UP.	Motorola Inc 01-27439C01	EMSA-63-62		P/O AN/APM-196
SM-348()/ARC-51X	Radio Simulator-Test Set	Simulates Radio Set AN/ARC-51X in the aircraft and completely tests wiring and controls of AN/ARC-51X.	Collins Radio 553-9708-00	EMSA-63-26		P/O MX-731()/ARC-51X
SM-349()/AR	Radio Simulator-Test Set	Simulates Radio Sets AN/ARC-54() and AN/ARR-49() for the purpose of operational tests of their wiring and control functions.	Collins Radio 566-9502-00	EMSA-63-40		P/O MK-733()/AR
SM-350()/FSQ-48 SM-350/FSQ-48	Temperature Simulator	Contains the digital circuits needed to simulate and respond to signals from 5 temperature conditions in the HSM-80 missile guidance and control section. Can turn off power to HSM-80 when either of 2 "out-of-tolerance" temperature conditions are simulated.	Boeing Aircraft Co	WDD-63-3913		P/O AN/FSQ-48()
SM-5002()/G	Radar Signal Simulator	Simulates typical forms of interference and jamming to provide training for radar operators.	Penn-East Eng	Canada 609	RCAF RAD-100-39	U/W 15J-1 AN/FPS-3
SM-5003()/TDQ-T501	Radiac Signal Simulator	Simulates radioactive source for training of personnel in techniques of radio logical monitoring.		CA-312 CA-434		U/W AN/TDQ-T501
SM-5004/TDQ-T501	Radiacmeter Simulator	Trains personnel in radio logical monitoring without use of radioactive source.	Cossor Ltd	CA-315 CA-435		P/O AN/TDQ-T501 U/W AN/TDQ-T501
SM-5005()/U	Navigational Controls Simulator	Instructor operated electro-mechanical system. Simulates own ship course and speed.		RCN-155		
SM-5007/APM-506	Crystal Noise Simulator	Simulates noise for test adjustments of the radar receiver.	Canadian Westinghouse 44803-305	RCAF 1697		P/O AN/APM-506

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TR-101()/SQS-7	Sonar Transducer	Amonium dihydrogen phosphate type; 12kc operating frequency. 1MΩ dc resistance; 25-j155Ω at 12kc. 50kw at 3msec pulse, 5kw at 60msec pulse.	Edo Corp 13286	USA USN		P/O AM/SQS-7()
TR-104/SQS	Sonar Transducer	Ammonium dihydrogen phosphate type; 22 to 28kc. Castor oil filled. Rubber diaphragm face. Z: 263Ω at 25kc. P/O Navy QCU-2 Echo Ranging Equipment.	Massa Labs Inc M-171	USA USN		
TR-104A/SQS	Sonar Transducer	Same description as TR-104/SQS.	Massa Labs Inc M-171A	56-62		P/O QCU-2
TR-105/SQR-6	Sonar Transducer	Magnetostriction type; 17 to 19kc. 14Ω dc resistance and Z=100Ω at 18kc. Contains 9 pairs of directional hydrophones spaced 20 ft apart in horizontal plane.	Massa Labs Inc M-173	USA USN		P/O AN/SQR-6
TR-106/FQS	Sonar Transducer	Ammonium dihydrogen phosphate type; 17 to 27kc. Castor oil filled, rubber diaphragm.	Airplane & Marine D-SK-456	USA USN	MIL-H-16808	P/O OA-562/FQS
TR-110/SQM	Sonar Transducer	Barium titanate type; 60 to 240kc. Z: 250Ω at 60kc. Omnidirectional beam pattern in horizontal plane.	Dyna-Empire Inc 914-114 Ultrasonics Corp 165-500	N-63-n-561	MIL-T-17246A (SHIPS)	P/O AN/UQM-1
TR-111/SQM	Sonar Transducer	Barium titanate type; 60 to 240kc. Z: 250Ω at 60kc. Rigid mounting with omnidirectional beam pattern in horizontal plane.	Dyna-Empire Inc 914-115 Ultrasonic Corp 165-208	USN	MIL-T-17246A AMDT-1	
TR-112/SQM	Sonar Transducer	Barium titanate type; 5 to 95kc. Rigid mounting with omnidirectional beam pattern in horizontal plane.	Ultrasonic Corp 165-400	USN	MIL-T-17246A AMDT-1	U/W AN/UQM-1
TR-113/SQM	Sonar Transducer	Barium titanate type; 5 to 95kc. Portable with omnidirectional beam pattern in horizontal plane.	Ultrasonic Corp 165-600	USN	MIL-T-17246A AMDT-1	U/W AN/UQM-1
TR-118()/UQN-1 TR-118/UQN-1	Sonar Transducer	Ammonium dihydrogen phosphate; 12 and 34kc, fixed frequencies. Z: 320Ω at 12kc and 110Ω at 34kc.	Edo Corp 22265 27045	USN	SHIPS-T 2474	P/O AN/UQN-1C
TR-119()/PQC-1 TR-119/PQC-1	Sonar Transducer	Classified		USN		
TR-122/BQC-1A	Sonar Transducer	Ammonium dihydrogen phosphate type; 8 to 10kc and 24kc. Z: 3Ω dc , 125Ω at 9.5kc and 24kc.	Massa Labs Inc M-197	USN 1009	MIL-S-15232	P/O AN/BQC-1A
TR-127/WQM	Sonar Transducer	Barium titanate ceramic type; 1 to 40kc. Z: 100MΩ dc, 220Ω at 10kc. Portable.	Dyna-Empire Inc 841-700	N-58-n-1914	MIL-T-19362A (SHIPS)	U/W AN/WQM-3
TR-128()/WQM TR-128/WQM	Sonar Transducer	Barium titanate ceramic type; 20 to 160kc. Z: 100MΩ dc, 220Ω at 100kc. Used as hydrophone or projector.	Dyna-Empire Inc 841-800	USN-58-n-1915	MIL-T-19362A (SHIPS)	U/W AN/WQM-3
TR-129()/WQM TR-129/WQM	Sonar Transducer	Barium titanate type; 20 to 160kc. Z: 100MΩ min dc, 220Ω at 100kc. Used as hydrophone or projector.	Dyna-Empire Inc 841-1900	USN-58-n-1916	MIL-T-19362A (SHIPS)	U/W AN/WQM-3()
TR-135/SQS-4	Sonar Transducer	Cancelled 10 July 1957.		USN-280		
TR-136/SQS-4	Sonar Transducer	Cancelled 10 July 1957.		USN		
TR-138/SQN-5	Sonar Transducer	Barium titanite type; 37.5kc operating frequency. Z: 30-j400Ω at 37.5kc. Transmits and receives sound waves.	Edo Corp 285	N-60-n-933		P/O AN/SQN-5 AN/SQN-5A
TR-142()/WSQ-2 TR-142/WSQ-2	Motional Pickup Transducer	Inertial type: 15kc max operating frequency. Z: 1MΩ. Sensitivity: 50μv to 50mv, 15cps to 15kc. Detects an increase in ambient noise of coolant pump.	Chesapeake Inst Co 871-120B	N-58-X-1787	SHIPS-P-3068	P/O AN/WSQ-2
TR-145/BQN-4	Sonar Transducer	Barium titanite type: 37.5kc operating frequency. Z: 420Ω at 37.5kc.	Edo Corp 31084	USN-58-n-1972		P/O AN/BQN-4
TR-146/SQN-8	Sonar Transducer	Barium titanite type: 37.5kc operating frequency. Z: 420Ω at 37.5kc.	Edo Corp 18732	N-58-n-1974		P/O AN/SQN-8
TR-151()/DRT-1 TR-151/DRT-1	Air Speed Transducer	500 knots max. Sea level to 50,000 ft. Converts differential pressure from pitot tube and static port to linear resistance equivalent. Airborne unit. Winding resistance: 7500Ω.	Motorola-Phoenix 201-8574	N-60-Q-1039	XAV-38A	P/O AN/DRT-2 U/W AN/ARW-55,56,59, R-570/ARW,R-602/ARW T-450/ARW,AN/URS-1
TR-153/SQN-10	Sonar Transducer	Barium titanite type: 210kc operating frequency. Z: 90-j225 at 210kc.	Raytheon FC2445-5001G2	USN-59-n-1389		P/O AN/SQN-10
TR-156/ASA-32	Motional Pickup Transducer	Displacement type; 420cps max operating frequency. Z: 1200Ω at 71°C. Sensitivity: 3.5v/0.0683 inch of displacement.	GE-Johnson City 141D797G1	USN-59-Q-1070		P/O AN/ASA-32
TR-157/SQN-11	Sonar Transducer	Barium titanate mosaic type; 100kc operating frequency Z: 93Ω at 100kc.	Bludworth Marine	USN-59-ac-1549		P/O AN/SQR-11
TR-160()/ALD-3 TR-160/ALD-3	Motional Pickup Transducer	Converts static pressure to synchronal signal corresponding to altitude. Will be transmitted to altitude servo module in navigational data unit.	Hoffman Labs	AEL-59-755		P/O OA-2211/ALD-3
TR-163/BQ	Transducer Element	Cancelled 3 June 1960.		N-59-n-2576		
TR-164/WQN	Sonar Transducer	Barium titanite type; 37.5kc operating frequency. Z: 60Ω at 37.5kc.	Edo Corp 35272	N-59-n-2751		P/O AN/BQN-4A
TR-168/WSQ-3	Motional Pickup Transducer	Inertial type; 15,000cps max operating frequency; 0.005μf capacitive impedance at 25°C.	Dyna-Empire Inc 876-200	N-60-X	SHIPS-P-3389	P/O AN/WSQ-3

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TR-174/ASA-32A	Motional Pickup Transducer	Displacement type; 420cps max operating frequency. Z:1200Ω at 71°C; sensitivity: 3.5v/0.063 inches of displacement.	General Electric 141D797G3	N-60-W-2339		P/O AN/ASA-32A AN/ASA-32B AN/ASA-32C
TR-175/ASA-32D	Motional Pickup Transducer	Displacement type; 420cps max operating frequency. Z: 1200Ω at 71°C; sensitivity: 3.5v/0.063 inches of displacement.	General Electric 687D960G1	N-60-W-2352		P/O AN/ASA-32D
TR-179()/GSQ-54 TR-179/GSQ-54	Motional Pickup Transducer	Operates at audio frequencies. To sense vibration of an attempt to break through the concrete wall of the launch facility and to trigger an indication of security violation.	Mandrel Indust Inst	WDD-61-3974		P/O AN/GSQ-54
TR-180/UQN-1C	Sonar Transducer	Ammonium dihydrogen phosphate type; 12kc fundamental operating frequency; 50Ω at 12kc reference frequency.	Dyna-Empire Inc 889-123	N-61-n-1781	MIL-T-21564A (SHIPS)	P/O OA-1145A/UQN-1C
TR-181()/WSQ-4 TR-181/WSQ-4	Motional Pickup Transducer	Cancelled 14 October 1961.		N-61-x-1783		P/O AN/WSQ-4
TR-187()/AMQ-17 TR-187/AMQ-17	Barometric Pressure Transducer	Consists of bellows which varies with barometric changes of absolute pressure. This movement changes resistance ratio of potentiometer by bar-lever link.		N-61-W-2331		P/O AN/AMQ-17
TR-192/UQN-1	Sonar Transducer	Ammonium dihydrogen phosphate type; 12kc operating frequency. Z: 200Ω at 12kc. Housing etc non-magnetic.	Gen Instruments Corp 50020	N-62-n-624	MIL-S-15316B (SHIPS)	P/O AN/UQN-1C U/W AN/UGN-1
TR-192A/UQN-1	Sonar Transducer	Barium titanate lead zirconate type; 12kc operating frequency. Z: 200Ω at 12kc. Housing non-magnetic.	Dyna-Empire Inc 919B	N-63-N 192	MIL-S-153160 (SHIPS)	U/W AN/UQN-1
TR-193/UQC	Sonar Transducer	Lead zirconate type: 8.338 to 11.088cps. Z: 40±10Ω at 8.6kc. Omni-directional xmitting and receiving.	Bendix Corp-N Hollywd DX-239D Cohu Electronics TR-36B	N-62-w-2505	MIL-C-15240B (SHIPS)	P/O AN/UQC-1
TR-199()/ASW TR-199/ASW	Position Transducer	Used in W2F-1 and A2F-1 aircraft to provide signal to automatic flight control system to indicate control surface position.	Clifton Precision Prod 11321	NW-62-525		U/W AN/ASW-15 AN/ASW-16
TR-200()/USD-1A TR-200/USD-1A	Transducer	0 to 15,000ft. Change in barometric pressure varies predetermined (mean sea level) voltage to give height.	Sperry Utah Co 2250841	EMSA-62-3257		U/W OA-2343A/USD-1A
TR-202()/GSQ-74 TR-202/GSQ-74	Motional Pickup Transducer	Senses vibrations created by penetration attempts against concrete walls of restricted area and xmitts an electrical output signal to C-4899/GSQ-74.	Mandrel Indust Inc 344201-1	WDD-63-13112		P/O AN/GSQ-74
TR-5001()/SQS-501 TR-5001/SQS-501	Sonar Transducer	Quartz crystal type; 50kc operating frequency. Greater than 40MΩ; 25w input at 50kc.	Harley Key-Marsland Ltd	CANADA RCN 48		P/O AN/SQS-501

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TS-1/AHR-1	Test Set	Test oscillator 246Mc, modulated at 7.0Mc.		USN		U/W AN/ARR-1 AN/ARR-2
TS-2/TG	Test Set	Teletypewriter test set, 60ma local test circuit.		SCL-7353	USA 71-1690	
TS-2A/TG	Test Set	Teletypewriter test set, transmits signal with distortion bias, 0 to 50%.	Molded Insulation	SCPA/ SCEL	USA 71-1690	
TS-2B/TG	Test Set	Teletypewriter test set, transmits signal with distortion bias, 0 to 50%.	McElroy Mfg Co	USA SCL-12236	USA 71-1690	
TS-2C/TG	Test Set	Teletypewriter test set, transmits signals with marking distortion of 40%. Cancelled 28 September 1955.	Telectro Ind Inc TA-649	USA SCLM-1230	MIL-T-3484	
TS-3/AP	Test Set	Wavemeter-wattmeter; used to measure the transmitter frequency, transmitter peak power and local oscillator power.	Western Electric Co X-61714A			U/W SCR-517(), 520(), 717(), 720() P/O TS-43/APM
TS-3A/AP	Test Set	Wavemeter-wattmeter; used to measure transmitter frequency and peak power, and local oscillator power. May be used throughout the "Sq" and "Sa" bands.	Western Electric Co	ARL		U/W SCR-517(), 520(), 717(), 720()
TS-3B/AP	Test Set	Cancelled 4 March 1946.	Western Electric Co	ARL-46-C39		
TS-4/AP	Phantom Target	Cancelled 2 July 1943. Reassigned RF-4/AP.	Western Electric Co X-61709	ARL		U/W SCR-517(), 520(), 717(), 720()
TS-5/AP	Range Calibrator	Range calibrator, to calibrate range dials and indicator scales.	Western Electric Co	ARL	X-61712 (Bell)	U/W SCR-517(), 717(), 720()
TS-6/AP	Frequency Meter	Contains microammeter, detector, and resonant system.	Western Electric Co D-150340			U/W SCR-517-B
TS-7ASQ	Compensator	Magnetic field compensator for aircraft.		USN		U/W AN/ASQ equipments
TS-8/U	Oscilloscope Calibrator	Provides 0.1/1/10/20/100v p-p for screen calibration.		ARL		
TS-8A/U	Oscilloscope Calibrator	Provides a 0.01v p-p calibration range.	Geophysical Services	ARL		
TS-9/ASQ	Tube Tester	Used to test microphonic mutual conductance and heater to cathode leakage for 6K5G tubes.				
TS-9A/ASQ	Tube Tester	Checks 6K5G, 6Q7-G and 12SL7-GT tubes for cutoff and heater to cathode leakage.	Geophysical Services	ARL		
TS-10()/APN TS-10/APN	Test Set	Delay line, 50Ω. Includes RF attenuator (inductive) and case. Uses RG-30/U cable.	Radio Corp of Amer	ARL		U/W RC-24-B,C AN/ARN-1 AN/APN-1
TS-10A/APN	Test Set	Same description as TS-10/APN but uses RG-54/U instead of RG-30/U cable.	Radio Corp of Amer	ARL		U/W AN/APN-1 AN/ARN-1 SCR-718A
TS-10B/APN	Test Set	Same description as TS-10A/APN but ID-98/APN replaces 2I-101.	Elec Corp of Amer	ARL	271-1704 (SigC)	U/W AN/APN-1 AN/ARN-1 SCR-718A
TS-10C/APN	Test Set	Similar to TS-10B/APN but has metal case.	Atlas Instrument Co	ATSC	271-1704-A (SigC)	P/O AN/ARN-1 AN/APN-1 SCR-718-()
TS-11/AP	Test Set	Used to check crystal, rectifier, and output tube current of radar equipment.				U/W ASD,AIA,AN/APS-3
TS-12/AP	Standing Wave Indicator	"Xa" band. Slotted section, probes and fittings, amplifier and meter.	Presto Recording	USN		
TS-13/AP	Radio Frequency Test Set	Signal generator, "Xa" band wavemeter, wattmeter.	Presto Recording B			
TS-13A	Handset	Reinstated 11 September 1943.	Automatic Electric		71-1058	P/O SCR-609-A
TS-14/AP	Test Set	A field test set consisting of "Sa" band signal generator, frequency comparator, wattmeter, and cables. Used for testing "Sa" band radar.				U/W ASG, ASG-1 AN/APS-2 ASC, SCR-517()
TS-14A/AP	Test Set	Has "S" band signal generator, frequency comparator, wattmeter, and cables. Used to field test "S" band radar and beacons. Similar to TS-14/AP except has ability to vary pulse width from 1 to 7μs instead of 1 to 2.8μs.		USN		U/W ASG, ASG-1 AN/CPN-17, SCR-517() ASC
TS-15()/AP	Flux Meter	Measures flux density between pole faces of magnets; in "L", "S", "X" and "K" band radar systems.		WL	AAF-R-7425	P/O AN/MPM-3,11 AN/CPS-1()
TS-15A/AP	Flux Meter	Measures flux density between pole faces of magnets; range: 1000 to 10,000 gauss.		USN		
TS-15B/AP	Flux Meter	Measures flux density; 1200 to 9600 gauss.	Marion Electrical Inst MFM-2	SCLM-7286	MIL-F-11543 (SigC)	
TS-15C/AP	Flux Meter	Measures flux density; 1200 to 9600 gauss.	TLG Electric Corp S-01	SCLM-7263	MIL-F-11543 (SigC)	
TS-16/APN	Special Test Equipment	Portable. Used by depots when checking altimeter counter circuits, modulation sweep frequency and bandwidth. Power req: 23 to 29vdc. 410 to 470Mc. Output Z: 15kΩ. Accuracy: 0.1% frequency, 1% or better on counter circuits. Formerly called IE-34.	Radio Corp of Amer			U/W TS-10/APN AN/APN-1 AN/ARN-1
TS-16A/APN	Test Set	Radio performance checker measures RF: 410 to 470Mc, supplies AF: 342 to 6935cps.		AEL 49-R3	71-1714-B	P/O TS-10B/APN TS-10C/APN

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TS-16X/APN	Test Set	Radio performance checker contains electrical circuits, meters and simulators.		ARL	371-1714	P/O AN/ARN-1
TS-17/ASQ	Magnetic Set	A calibrated set consisting of three identical bar magnets. Used for calibrating AN/ASQ series equipment.				
TS-18/AP	Divider	RF voltage divider provides voltage ratios 100 to 1 and 15 to 1.				
TS-19/APQ-5	Calibrator	Provides two pulses, one for sync and one for timing; stop watch included in equipment.		USN		U/W AN/APQ-5
TS-20/APN-4	Test Set	RF signal generator, 1.6 to 3.3Mc and 7.5 to 12Mc modulated by 400 to 2400cps. Cancelled 17 December 1948.		ARL-2211		U/W AN/APN-4
TS-21/CRN-5	Voltmeter	An RF meter for checking voltages between RF conductors and ground. Similar to IS-176 but has range of 100 to 156Mc.		ARL		P/O AN/CRN-5 AN/MRN-2
TS-22/URN	Monitor	A portable battery operated receiver and antenna used for aural course checking and a meter for indicating field strength.		ARL		P/O AN/CRN-5 AN/MRN-2
TS-23()/APN TS-23/APN	Test Set	Radar equipment, 440Mc, 0.5μsec pulses, prf 100kc. Contains circuits for testing.	Elec Corp of Amer	AEL-51-276	AAF 371-1783	U/W SCR-718-()
TS-23A/APN	Test Set	Radar equipment, 440Mc, 0.5μsec pulses, prf 100kc.		AEL-51-397	MIL-T-4310	U/W SCR-718-()
TS-24/ARR-2	Test Oscillator	Carrier: 246Mc. Includes 6 tunable modulating frequency channels: (540 to 830kc). Powered by internal batteries.				U/W AN/ARR-1,2
TS-24A/ARR-2	Test Oscillator	Carrier frequency 246Mc; 6 modulation frequency channels each tunable over the range: 540 to 830kc. Powered by internal batteries.				U/W AN/ARR-1,2,2X, 2A, and 2AX
TS-25/VRW-1	Test Unit	A box which contains 6 jeweled lights to indicate the operation of control relays, switches to check the operation of control surfaces and suitable interconnecting sockets.		ARL		U/W AN/VRW-1
TS-26()/TSM TS-26/TSM	Test Set	Communication cable tests. Identifies grounds, crosses, shorts and opens. Voltmeter: 0 to 3/30/300/600vdc, 1000Ω/v. Ohmmeter: 0 to 1k/10k/100k/10MΩ. Internal battery supply.	McClintock Co 3240 Simpson Electric 324	SCL-9804	MIL-T-2502	U/W GR-3-() GR-8-()
TS-26A/TSM	Test Set	Same description as TS-26/TSM.	JH Bunnell 121956		MIL-T-2502	U/W GR-3-() GR-8-()
TS-26B/TSM	Test Set	Same description as TS-26/TSM.	Cambridge Instrument	USA SCLM-7443	MIL-T-2502	U/W GR-3-() GR-8-()
TS-27()/TSM TS-27/TSM	Test Set	Telephone test equipment, detects ordinary faults such as crosses, opens, grounds, etc.		SCL-C-452	US-71-3003 (ARMY)	
TS-27A/TSM	Test Set	Combination bridge telephone test equipment, detects ordinary faults such as opens, crosses, grounds, etc.		SCL-8860	US-71-3003 (ARMY)	
TS-27B/TSM	Test Set	Telephone test equipment, 0.1 to 3.0μf of equivalent parallel capacity; 0 to 50MΩ resistance range.	Universal Elec Lab ETS-27B	SCLM-1017	MIL-T-2487	
TS-28()/UPN TS-28/UPN	Synchroscope	Recurrance rates 330, 500 and 1000/sec, 5Mc. Video amp.	Belmont Radio Lab	USN	RE-9054-A	P/O AN/CPN-3(),3
TS-28A/UPN	Synchroscope	Recurrance rates 330, 500 and 100/sec, 5Mc. Video amp.	Belmont Radio Lab	USN	RE-9054-A	P/O AN/CPN-3 series
TS-29/FMQ-1	Frequency Meter	0 to 200cps audio, sine, sawtooth.		USA		
TS-29A/FMQ-1	Frequency Meter	100 graduations in 2cps/graduation.	Bendix Aviation	MPD		P/O AN/FMQ-1A
TS-29B/FMQ-1	Frequency Meter	0 to 200cps. indicating in 100 meter graduations.	National Company Inc FM-220	SCL-7228	USA 74-120	P/O AN/FMQ-2()
TS-29C/FMQ-1	Frequency Meter	10 to 220cps in 100 dial divisions.	Bendix Aviation 513280-2	USN	MIL-R-15823	P/O AN/FMQ-2A
TS-30/FMQ-1	Test Equipment	Radiosonde test equipment, pre-flight check.		SPSRW-1		U/W AN/FMQ-1
TS-31/GRM	Radio Test Panel	Supplies plate and filament voltages for testing radio receivers and transmitters. Includes a milliammeter, a RF meter, and a dc voltmeter.		FMSL	271-1675	
TS-32()/TRC-1	Test Oscillator	Radio test set, 10Mc to 100Mc with 100kc separation.	Link Aviation	SCL-6784	71-3010	P/O AN/TRC-1,3,4 U/W R-19()/TRC-1
TS-32A/TRC-1	Test Oscillator	1000 cycles FM output signal in range: 70 to 100Mc, 200kc separation.	Link Aviation		271-3010	P/O AN/TRC-1A,3A,4A
TS-32B/TRC-1	Test Oscillator	1000 cycles FM output signal in range: 70 to 100Mc, 200kc separation.	Lear Inc	MPD	271-3010	P/O AN/TRC-1D,1E
TS-32C/TRC-1	Test Oscillator	1000 cycles FM output signal in range: 70 to 100Mc, 200kc separation.	Utility Elec Corp	SCL-7224	71-3010 (USA)	P/O AN/TRC-1(),3(),4() U/W R-19()/TRC-1
TS-32D/TRC-1	Test Oscillator	1000 cycles FM output signal in range: 70 to 100Mc, 200kc separation.	Bellaire Elec Inc	SCL-10836		P/O AN/TRC-1(),3()4()
TS-32E/TRC-1	Test Oscillator	70 to 100Mc, with 1000cps FM.	Hallicrafters Co 117X076	SCLM 6067	MIL-R-10174b (Sig)	P/O AN/TRC-1(),3(),4()

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-32F/TRC-1	Test Oscillator	70 to 100Mc, with 1000cps FM.	Transmitter Equip Mfg	SCLM-7068	MIL-R-10174b (Sig)	P/O AN/TRC-1(),3(),4()
TS-32G/TRC-1	Test Oscillator	70 to 100Mc, with 1000cps FM.	Amer Mach & Foundry 1085	SCLMAl-8603	MIL-R-10174b (Sig)	P/O AN/TRC-1(),3(),4()
TS-33()/AP	Frequency Meter	X-band.		ARL-2435	371-5028	P/O AN/APS-3,4,5,6, AIA,ASC,ASF
TS-34()/AP TS-34/AP	Oscilloscope	Radar testing, 2" screen, 0.22mm/vdc horizontal deflection, start-stop and sawtooth circuit 10 to 50,000cps. Bell Spec. X-61713B.	Western Electric Co	SCL-7281	71-5043 (USAF)	P/O AN/MPM-15,20
TS-34A/AP	Oscilloscope	30cps to 1Mc observable sine wave, 0.25 to 30,000μsec observable pulse. 2" screen, 0.22mm/vdc horizontal deflection, start-stop and sawtooth circuit 10 to 50,000cps. Bell Spec. X-61713C.	Western Electric Co	SCL-8164	71-5043 (USAF)	P/O AN/MPM-5,7,15, 20() AN/TMP-3() SCR-682-()
TS-35/AP	Signal Generator	Used with scope for performance check on X-band radar receivers and transmitters. Bell Spec. X-61721.	Western Electric Co	ARL		
TS-35A/AP	Signal Generator	Used with scope for performance check on X-band radar receivers and transmitters; has broad band attenuation.	Western Electric Co	ARL	X-61721B (BELL)	
TS-36()/AP	Power Meter	8700Mc to 9500Mc band, for either absolute or relative power measurements. Bell Spec. X-61722.	Western Electric Co	AAF-AMC	371-5036	
TS-37/AP	Signal Generator	RF oscillator with auxiliary equipment, 2700 to 3400Mc, S-band radar testing.	Western Electric Co	ARL-2434	X-61715 (BELL)	
TS-38/AP	Phantom Target	Radar equipment, frequency range: ±1% X-band mean frequency. Cancelled 29 June 1943.	Western Electric Co	ARL-2438	X-61724	
TS-39/TSM-1	Standard Oscillator	Reference standard for crystals 0.50 to 30Mc.		SCL-8322	71-3172 (ARMY)	P/O AN/TSM-1
TS-39A/TSM-1	Standard Oscillator	Reference standard for crystals 0.50 to 30Mc.	Bellaire Elec Inc BE-1	SCL-11277	71-3172 (ARMY)	P/O AN/TSM-1A
TS-39B/TSM-1	Standard Oscillator	Reference standard for crystals 0.50 to 30Mc.	Harvey-Wells Elec	SCL-1202	MIL-T-12607	P/O AN/TSM-1()
TS-39C/TSM-1	Standard Oscillator	Reference standard for crystals 0.50 to 30Mc.	Shallcraft Mfg Co 1745A	SCLM-1281	MIL-T-12607	P/O AN/TSM-1()
TS-40/CRN-2	Voltmeter	An unbalanced pin probe voltmeter which can be tuned to 335Mc for checking RF voltages on conductors.		ARL		P/O AN/CRN-2
TS-41/CRN-1	Test Set	Transmitter performance test, measures antenna and plate current, filament and plate voltage.		ARL		U/W AN/CRN-1
TS-41A/CRN-1	Test Set	Transmitter performance test, measures antenna and plate current, filament and plate voltage. Cancelled 30 May 1945.		ARL		U/W AN/CRN-1,1A
TS-42/GSM	Meter Test Set	Tests signal corps meters. Voltage ranges: 0 to 1500ac and dc; 0 to 75a on dc; 0 to 250a on ac.	Westinghouse Electric	FMSL		
TS-43/APM	Test Equipment	Radar equipment, S-band, general purpose, measures frequency, peak power. Cancelled 8 October 1943. Replaced by AN/APM-10.	Western Electric Co	SPSRB-3 (AAF)	X-61714A (BELL)	
TS-44/APM	Test Equipment	Radar equipment, S-band general purpose, measures standing waves and calibration. Cancelled 8 October 1943. Replaced by AN/APM-11.	Western Electric Co	SPSRB-3 (AAF)	X-61711 (BELL)	
TS-45/APM-3	Radar Test Unit	Consists of wavemeter 9230 to 9460Mc;checks frequency of radar.	Western Electric Co D-151680	USN		P/O AN/APM-3()
TS-45A/APM-3	Radar Test Unit	Contains X-band wave guide attenuator, variable: 0 to 30db; -723A X-band oscillator; wavemeter calibrated: 9230 to 9460Mc, ±2Mc.	Western Electric Co D-151776	USN		P/O AN/APM-3A
TS-46/AP	Frequency Meter	Measures S-band frequency.	Western Electric Co D-150 882	USN		
TS-47()/APR TS-47/APR	Test Oscillator	Frequency calibration of UHF receivers, 40 to 115Mc and 115 to 500Mc.		ARL	271-5077	U/W SCR-587-A AN/APR-2,4
TS-47A/APR	Test Oscillator	Test radio receivers in field, 40 to 500Mc, 2 bands.	Munston Mfg Co 455.101	SCLM-1304		U/W SCR-587-() AN/APR-2,4
TS-47B/APR	Signal Generator	40 to 500Mc ±1%. Modulation: AM pulsed at 50cps prf and 50 to 100% modulation internally Output: 3mw, Z: 50Ω. Used for pre-flight checkout.	Northeastern Eng Inc SM-D-77878	SIMSA-61-129		U/W SCR-587() AN/APR-2() AN/APR-4()
TS-48/AP	Phantom Target	"SA" band.Used to monitor radar equipment within its frequency range. Resonant indicator indicates frequency.	Marathon Electronics	USN		
TS-49/GSM-1	Voltmeter Standards Unit	One ac and one dc meter including multipliers.				
TS-50/GSM-1	Ammeter Standards Unit	2dc (μa and ma) and 2ac (ma and a) meters plus current transformer and shunts.	Westinghouse Electric	SCL	71-1689 (SigC)	P/O AN/GSM-1 U/W PP-15/GSM-1
TS-51/APG-4	Test Set	Delay line, delay equivalent 800 feet, phase monitor produces shift ±300cps.	Radio Corp of Amer 215202	USN		P/O AN/APG-4
TS-52/APQ-1	Test Set	RF pulse generator, produces jamming pulses for aircraft. Cancelled 23 September 1944.	James Millen Mfg Co	ARL		U/W AN/APQ-1
TS-53/AP	Test Set	Wavemeter: measures RF output, and percentage modulation, and frequency..	James Millen Mfg Co	ARL		U/W RC-156-() AN/APQ-1
TS-54/AP	Analyzer	Sweeps ±15Mc about 90Mc to 1kMc center frequency. Energy distribution in the 30Mc bandpass is metered and panoramically displayed. Permits jamming transmitter adjustment. Assigned 13 October 1943.	Fairchild Camera	ARL		U/W RC-156-() RC-183-() AN/APQ-1

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TS-55()/APX	Signal Generator	Portable, battery operated pulse generator (single or double): 150Mc to 234Mc. Modulated carrier.		ARL-2529		U/W AN/APX-4() SCR-695-()
TS-56/AP	Test Set	Measures SWR on line (RG-8/U) using 0 to 100μa(dc) meter and amplifier.		USN		
TS-56A/AP	Test Set	Same description as TS-56/AP.	General Electronics 1583	USN		
TS-57/AP	Signal Generator	U/W X-band airborne radar. Has plug-in 30 and 60Mc IF amplifier detectors.	Western Electric Co	SPSET	X66139	
TS-58()/GRM-1	Test Unit	Radio test equipment, 5 meters on panel. Measures currents and voltages of transmitters.				P/O AN/GRM-1 U/W AN/ARC-5
TS-59/APN-1	Test Set	Delay line, delay equivalent 1800ft altitude, passes signal 9.0Mc wide.	Radio Corp of Amer	USN		U/W AN/APN-1
TS-59A/APN-1	Test Set	Delay line, delay equivalent 1900 to 2000ft altitude, passes 12Mc signal.	Radio Corp of Amer	USN		U/W AN/APN-1
TS-59B/APN-1	Test Set	Delay line, for checking altimeters.	Custom Electronics B2170	USN	MIL-T-18200 (Aer)	U/W AN/APN-1
TS-60/U	Test Meter	0 to 1ma(dc) meter for general test and tuning.	Delco			U/W AN/APT-1(), 2(),3()
TS-61/U	Test Set	Echo box test set used in S-band.	Western Electric Co	ARL 3456	X-66163 (BELL)	
TS-62()/AP	Test Set	Echo box test set used in X-band.	Western Electric Co	AAF-ARL-2589	X-63628 (BELL)	
TS-63/AP	Phantom Antenna	Used on various altimeter equipment.	Elec Corp of Amer PAK-560-54			P/O TS-16/APN
TS-64/MPN-1	Synchroscope	Sweep ranging: 3μsec/inch to 600μsec/inch; used as an A scope.	Gilfillan Bros	CESL	471-2100	P/O AN/MPN-1
TS-64A/MPN-1	Synchroscope	Sweep ranging: 3μsec/inch to 600μsec/inch; used as an A scope.	Fed Tele & Radio Corp	CESL	371-2100	P/O AN/MPN-1C
TS-65()/FMQ-1	Frequency Standard	10 to 190cps.	Amer Time Products 1296	FMSL		P/O MK-8/FMQ-1 U/W AN/FMQ-1
TS-65A/FMQ-1	Frequency Standard	10 to 190cps.	Amer Time Products SC-16	QCD SCL-7231		U/W RD-3/FMQ-1 TS-29/FMP-1 P/O MK-8/FMQ-1
TS-65B/FMQ-1	Frequency Standard	Generates 11 frequencies over 10 to 190cps range.	Amer Time Products	SCProcA	SC74-73A	U/W TS-29/FMQ-1 RO-3/FMQ-1
TS-65C/FMQ-1	Frequency Standard	Generates proportional frequency for calibrations, similar but different principle than TS-65()/FMQ-1.	Amer Time Products	SCL-9055	74-73 (ARMY)	U/W AN/FMQ-1(),2()
TS-65D/FMQ-1	Frequency Standard	11 channels, 10 to 190cps.	Precision Associates C-0318	USA SCLM-7477	MIL-C-12159A (SigC)	U/W AN/FMQ-1()
TS-66()/AP TS-66/AP	Phantom Target	Cancelled 21 March 1945.				
TS-67()/ARN-5 TS-67/ARN-5	Test Set	Radio test equipment, alignment of RF and IF.	Packard-Bell	USN ARL		U/W AN/ARN-5
TS-67A/ARN-5	Test Set	Radio test equipment, alignment of RF and IF 106 to 114Mc and 325 to 340Mc.		ARL 48-366		U/W RC-103-() RC-103-()Z AN/ARN-5()
TS-68/APN	Test Set	Cancelled 5 November 1943.		ARL		
TS-69/AP	Frequency Meter	Variable length coaxial resonating cavity, 400 to 1000Mc.		ARL		U/W AN/APT-1 AN/APQ-9,1
TS-69A/AP	Frequency Meter	Variable length coaxial resonating cavity, 400 to 1000Mc.	Cover Duel Signal Sys	ARL		U/W APT-1 AN/APQ-9,1
TS-70()/AP TS-70/AP	Radio Frequency Wattmeter	Power meter, 200 to 800Mc.	Bird Engineering	ARL		U/W AN/APT-1 AN/APQ-9,1
TS-71()/APA-6	Test Pulse Generator	65 to 6000pps.		ARL-2679		U/W AN/APA-6
TS-72()/APN-9	Test Oscillator	Supplies RF wave train at 60cps recurrance and 90cps square wave.				P/O AN/ARN-9
TS-74()/UPM	Phantom Antenna & Attenuator	Monitoring equipment (radar) connection of line, without introducing standing waves, 2700 to 3400Mc.	Western Electric Co	AAF AMC	MIL-T-4354 X63621A	U/W SCR-517-(), 520-(),717-(), 720-(), S-band radar
TS-74A/UPM	Phantom Antenna & Attenuator	Monitoring equipment (radar), usable range: 1550 to 5200Mc, optimum 2700 to 3400Mc, 250kw max peak dissipation.		USA-AEL 52-R42	MIL-T-4354 (USAF)	
TS-75/U	Test Meter	Radio test equipment, 0 to 200μa dc meter.	Western Electric Co			P/O AN/APM-3,3A
TS-76/APM-3	Auxiliary Test Kit	Receiver test equipment; contains TS-75/U and tube and horn assemblies.	Western Electric Co	USN		P/O AN/APM-3,3A
TS-76A/APM-3	Auxiliary Test Kit	X-band receiver test equipment; contains TS-75A/U, RG-9/U cable, pick up antenna and 4 adapters. For use in tuning.	Western Electric Co	USN		P/O AN/APM-3,3A
TS-77()/AP	Calibrator	Furnishes trigger pulses at several repetition rates and calibrating pulses spaced 1500ft.		AAF ARL-2791		U/W AN/APA-5 APS,APQ, &NPG
TS-78/U	Phantom Transmitter Antenna	Power measurement, 0 to 400Mc by light intensity of indicating lamp.	Bendix Aviation			U/W AN/ARC-5 AN/ARC-3 SCR-522,542

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TS-79/U	Phantom Transmitter Antenna	Dummy load, provides load for receiver during bench testing.	Western Electric Co D-150892 ESO-749431	ARL		U/W AN/ARC-4
TS-80/U	Test Meter	Ammeter, pretuning of transmitter and receiver 0 to 1dc(ma).	Western Electric Co D-151324			U/W AN/ARC-4
TS-81/U	Signal Generator	100 to 150Mc, 11 and 13Mc; 30% AM modulation at 1000cps. Also provides filament and plate voltages. Used for alignment of VHF receivers.		SCL-3446		U/W BC-639-()
TS-82()/APR	Test Oscillator	3100Mc; pulsed between 1000 and 2000cps by 100μsec pulse.		ARL		U/W AN/APR-5,6
TS-83/ASQ-3	Test Bench	Mechanical equipment simulates roll and pitch of aircraft.	Western Electric Co	ARL	CW:D-16789	U/W AN/ASQ-3,3A
TS-84/ASQ-3	Test Mechanism	Mechanical equipment provides means of rotating flux gate mounting.	Western Electric Co	USN	CW:D-166376	U/W AN/ASQ-3,3A
TS-85/ASQ	Calibrator	Provides disturbance in magnetic field; adjusts detection equipment.	Western Electric Co	USN	CW:D-166266	U/W AN/ASQ series
TS-86/ASQ-3	Test Set	Portable; checks proper functioning of detecting equipment.	Western Electric Co	USN	CW:D-167089	U/W AN/ASQ-3,3A
TS-87()/AP TS-87/AP	Radio Frequency Wattmeter	Power measurement, 85 to 220Mc; uses lumped parameters for tuning.	WW Bowes Co	ARL	271-5023	U/W AN/APT-1()
TS-88()/GP	Radar Calibration Target	Reflecting targets, tin-foil reflector.		CESL		U/W SCR-268 545-(),584-()
TS-89/AP	Voltage Divider	For oscilloscope measurement of video pulses in excess of 200v.	Western Electric Co D-15D669	ARL		P/O SCR-667-A AN/APN-10 AN/APQ-13 AN/APS-4,15
TS-89A/AP	Voltage Divider	For oscilloscope, 150cps to 5Mc, 200 to 20,000v.		ARL	MIL-V-4306	
TS-89B/AP	Voltage Divider	For oscilloscope, 150cps to 5Mc, 200 to 20,000v.	Mercury Electronic(NJ)	USA AEL-53-159	MIL-V-4306	
TS-89C/AP	Variable Attenuator	Voltage divider for oscilloscope, 150cps to 5Mc, 200 to 20,000v.		AEL-56-974	MIL-V-4306A	P/O AN/UPM-85
TS-90/AP	Dummy Load	Test modulations of radars, 500w peak 5000v.	Techno-Scientific Co	WL-45-C248 (USAF)		
TS-90A/AP	Dummy Load	Test pulsing circuits, 500w peak 400v.	Vendo Co	WL-51-1461 (USAF)		
TS-90B/AP	Dummy Load	dc to 2Mc, 400w, 5000v peak.		WL-55-2464 (USAF)	MIL-D-4917	
TS-91/TPS-1	Test Set	Radio measuring equipment, 1050Mc tuned ±35Mc.	Western Electric Co	CESL 1487	X-63623A (BELL)	U/W AN/TPS-1 AN/TPS-1A
TS-92()/AP TS-92/AP	Amplifier Alignment Unit	Amplifier equipment, aligns broad band amplifiers; bandwidth 0.5 and 0.7Mc, frequency range: 15 to 1000Mc.	Hudson American Corp	ARL-43-R337		U/W AN/APT-1 AN/ARQ-3
TS-93/AX	Projector	Provides an image of selected test slides when testing Block I and III equipments. Focussed for infinite projection.	Radio Corp of Amer	ARL	MI-18735 TX-2291	U/W Block I and III Equipments
TS-94/AX	Indicator	Field strength equipment, relative field strength up to 5000Mc. U/W Block I and III equipment.	RCA	USN	MI-18738 TX-2221	
TS-95/AX	Test Bench	Mechanical equipment, holds units in correct position for optical alignment with projector. U/W Block I and III equipment.	RCA	USN	MI-18735	
TS-96/TPS-1	Test Set	Multitester, 7 ranges-voltage dc 0 to 3 to 0 to 6000v current, dc 0 to 60 and 0 to 300μa. 0 to 3 to 0 to 600ma resistance, 0 to 60MΩ.	Western Electric Co	QCD		U/W AN/TPS-1,1A
TS-97/TPS-1	Pre-Amplifier Pad	Transmission line, artificial 10db 50Ω line. For adjusting RF amplifier.	Western Electric Co	CESL		U/W AN/TPS-1,1A
TS-98/AP	Voltage Divider	3 ranges; pulse: 800: 35v dc 700:70v; 1300:130v.	Western Electric Co	ARL	X-617160 (BELL)	P/O AN/APQ-10,13
TS-99()/AP	Frequency Meter	Checks frequency and radiated bandwidth in field 85 to 225Mc. Cancelled 19 May 1944.		ARL		U/W AN/APT-1
TS-100()/AP	Test Oscillator	Oscilloscope 3 inch A,R,J and X indications, sweeps 3/30/350 nautical miles on classes A and R.		ARL		U/W TS-101/AP
TS-101/AP	Test Load Unit	Radar equipment provides test points for range, altitude, PPI; counts and modulates trigger circuits.	Western Electric Co			U/W TS-100/AP
TS-102/AP	Range Calibrator	Provides marker pulses at 0 to 20v at 1500 foot intervals. Pulses are derived from a 327,800cps oscillator. One output simulates radio transmitting signal and the other provides calibrating pulses.	Western Electric Co X-66164	ARL		U/W LAB,HAB,BTO, AGL
TS-102A/AP	Range Calibrator	Airborne radar, range markers 0 to 20v every 1500ft. U/W LAB,HAB,BTO and AGL and radar equipment.		ARL		
TS-102B/AP	Range Calibrator	Marks pulses ±20v max range marks internal 500yd.	Federal TV Corp	AEL-52-R43	MIL-4337 (USAF)	
TS-103()/TPM-1 TS-103/TPM-1	Signal Generator	CW: 980 to 1200Mc and low frequency square wave for oscilloscope calibration.	Western Electric Co	CESL-1504	X-61718C (BELL)	P/O AN/TPM-1 U/W AN/TPS-1,1A

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-104/TPM-1	Test Unit	General power measurement, contains 200cv variac, ac wattmeter and multivibrator.	Western Electric Co	CESL	X-61718C (BELL)	P/O AN/TPM-1 U/W AN/TPS-1,1A
TS-105/TPM-1	Dummy Antenna	Dummy load, terminates a 50Ω 1-5/8" coaxial line.	Western Electric Co	CESL	X-61718E (BELL)	P/O AN/TPM-1 U/W AN/TPS-1,1A
TS-106/TPM-1	Line Monitor Unit	Component, variac.	Western Electric Co	CESL	X-61718E (BELL)	P/O AN/TPM-1 U/W AN/TPS-1,1A
TS-107()/TPM-1 TS-107/TPM-1	Wave and Power Meter Set	500 to 1500Mc, measures 0.5Mw to 12Mw power directly.	Western Electric Co	CESL-1509	X-61718H (BELL)	P/O AN/TPM-1 U/W AN/TPS-1,1A
TS-107A/TPM-1	Wave and Power Meter Set	Wavemeter power 0.5 to 120Mw, frequency: 500 to 1500Mc.	Nassau R&D Assoc	USN 1	SHIPS-W-1592	
TS-108/AP	Radio Frequency Test Load	Dummy load, X-band radars, is section of X-band small size waveguides.	Bernard Rue & Sons B-2674	USN		
TS-108A/AP	Radio Frequency Test Load	Dummy load, X-band radars, is section of X-band small size waveguides.		USN		
TS-109/SPR	Test Oscillator	Cancelled 10 March 1945.		USN		
TS-110()/AP	Test Set	Echo box test set, 2400 to 2700Mc, portable, hand tuned. Bell Spec X-66335A.	Western Electric Co X-66335A	AAF-AMC	SC-371 5080	U/W AN/APG-5
TS-110A/AP	Test Set	Echo box test set, 2400 to 2700Mc, portable, hand tuned.		AEL 51-544	MIL-T-4288 (USAF)	
TS-111()/CP TS-111/CP	Wavemeter	Frequency meter, measures S-band Frequency.	General Electric 8248G2	ARL-2913		P/O AN/CPM-1 U/W AN/CPM-3
TS-112/APS-18	Relay Monitor	Radar equipment (monitor) receives power and indicates performance.	Pacific Electronics	USN		U/W AN/APS-18 AN/ARR-9
TS-113()/GRM TS-113/GRM	Test Set	Receiver and transmitter repair equipment; supplies filament and plate voltage to sets under repair; 0.15 to 1500v, 4 ranges.		SPSTC		
TS-114/APS-2F	Resonance Chamber	Used as phantom target for S-band radars.	Philco Corp 5LO-959	USN		P/O AN/APS-2F
TS-115/APS-2F	Test Antenna	For radar test, 1/2 wave S-band dipole, picks-up and re-radiates energy to tested radar.	Philco Corp 358-7257	USN		P/O AN/APS-2F
TS-116/APS-15	Milliammeter	0 to 1Ma.	Philco Corp 5LO-977			P/O AN/APS-15
TS-117/GP	Wavemeter Test Set	Frequency calibrator meter, 2400 to 3400Mc, 50 scale div 0 to 50dc μa meter; 100 to 1000μw power range.	Sperry Gyroscope Co	SND	171-2223 (SigC)	P/O AN/MPH-2,3,5 RC-283-()
TS-118/AP	Radio Frequency Wattmeter	Measures 2 to 500w over frequency range: 20Mc to 750Mc.	Bird Engineering	ARL		U/W AM-14/APT AM-18/APT
TS-118A/AP	Radio Frequency Wattmeter	Measures CW, FM, and AM power output on inductively coupled high frequency radio transmitters; frequency range: 20 to 1400Mc, power range: 2 to 500w.	Bird Electronics 693011	SESA-60-2056 SCLM	MIL-R-11817	
TS-119()/CRN-2	Path Detector	Receiver, to detect RF signals of "on-off" path signals and give audio output of 90 and 150cps, tuning range: 310 to 350Mc.		ARL		P/O AN/CRN-2
TS-120/UP	Test Set	Signal generator, frequency meter, wattmeter, 9300 to 9450Mc.	Airadio Corp RE-9514	USN		U/W AN/CPN-6
TS-121()/CPN-8 TS-121/CPN-8	Monitor Unit	Complete test unit, signal generator, frequency and power measurement visual indicator, S-band.	Galvin Mfg Corp	ARL-3011	471-1788	P/O AN/CPN-8()
TS-121A/CPN-8	Monitor Unit	Complete test unit, signal generator, frequency and power measurement visual indicator, S-band.	Galvin Mfg Corp	ARL-4798		P/O AN/CPN-8()
TS-122/ARM	Test Bench	Complete check, simulates operating conditions of Sig Corp communication equipment.				U/W SCR-183,283, 274-N,522,BC-244 348,191,375,212, 347
TS-123()/MPM-1A	Synchroscope	3" cathode ray tube and circuits to view triggers, echos, pulses.	Bendix Aviation AR96243-1	USN		P/O AN/MPM-1A
TS-124/FMQ-1	Panel Meter	Frequency and power measurement 48 to 62cps, power source measurement of radiosonde receptor. Cancelled 23 March 1944.		SCL		U/W AN/FMQ-1()
TS-125()/AP TS-125/AP	Power Meter	Thermistor bridge type, 2400 to 3335Mc 0 to 2Mw direct up to 4w using attenuators.		SCL-8214		P/O AN/MPM-2,5,7, 33
TS-126/AP	Range Calibrator	Has a type scope with 2 triggered sweeps, a multiple pulse generator and a single pulse generator. Single pulse may be phased so as to permit 400yd check on tracking.	Radiation Lab-MIT	SPSRB-3		P/O AN/APM-2,27 U/W AN/APG-5(),14(), 15()
TS-127/U	Frequency Meter	375 to 725Mc.	Lavoie Labs 105SA	RE-9116A		
TS-128/UP	Signal Generator	CW: 900 to 1500Mc. May be used as calibrated attenuator. Has low frequency square wave for scope calibration.	Western Electric Co B-401889	USN	X-61718D (BELL)	
TS-129/UP	Test Antenna	Pick up antenna, small RF energies to test purposes, L-2 band.	Western Electric Co WDB0405407	USN	X-66166D (BELL)	
TS-129A/U	Transistor Test Set	Enables Marine Corps technical personnel to evalute transistor and diode characteristics.	Transistor Elec Corp	N-60-T-2050		

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TS-130/UP	Standing Wave Meter	Detects and measures VSWR on lines in Mark xx L-band radar.	Western Electric Co BS-430473	USN	X-66166-C (BELL)	
TS-130A/UP	Standing Wave Meter	400 to 3000Mc, 52Ω. For use with 1.625" coaxial RF lines. Includes IM-34/U Slotted Line.		WL-45-R2052	MIL-S-4169	
TS-131()/AP TS-131/AP	Pickup Assembly	Monitor transmitters. Allows output meter, plug in, to measure max output.		ARL USA		P/O AN/APT-2 AN/APQ-1,2,9(),9C
TS-131A/AP	Pickup Assembly	Monitor transmitters. Allows output meter, plug in, to measure max output.		ARL-48-28		U/W AN/APT-1,2
TS-132()/TPS-1 TS-132/TPS-1	Meter Kit	Voltage (0 to 150v ±2%) and frequency (380 to 420cps) measurement on power line.	Western Electric Co	CESL		U/W AN/TPS-1,1A
TS-132A/TPS-1	Meter Kit	Measures line voltage (0 to 50v) and frequency (380 to 420cps).		WL-45-1535		U/W AN/TPS-1
TS-133/UPM-1	Wavemeter	Frequency measurement, wavemeter frequency range: 155 to 235Mc, calibration chart.	Hazeltine Electronics	USN		P/O AN/UPM-1,1A,1B
TS-134/UPM-1	Wavemeter	Frequency measurement, range: 460 to 570Mc.		USN		P/O AN/UPM-1,1A,1B
TS-135/UP	Voltage Tester	Radar test, tests detonator circuits of radar. Cancelled 27 March 1944.	Hazeltine Electronics			P/O AN/UPM-1,1A,1B
TS-136/FSM-1	Crystal Test Set	Tests crystals used in British Wireless Set No. 48.		SCL-3942	271-3061	P/O AN/FSM-1()
TS-137/FSM-1	Crystal Test Set	Includes oscillator and power supply. Tests crystals from Radio Transmitter BC-654-().		SCL	271-3061	P/O AN/FSM-1()
TS-138/FSM-1	Crystal Test Set	Contains oscillator, amplifier and power supply for testing crystals in Radio Receiver BC-733-().		SCL	271-3061	P/O AN/FSM-1()
TS-139/FSM-1	Crystal Test Set	Contains oscillator, amplifier and power supply for testing crystals in Radio Transmitters BC-604-() and 684-().		SCL	271-3061	P/O AN/FSM-1()
TS-140()/PCM TS-140/PCM	Test Set	Telephone test equipment, makes transmission measurements on voice frequencies: 200 to 35,000cps. U/W various SigC transmission lines.	Contelco 5489	SCL-8001	MIL-T-12643	
TS-141/FSM-1	Crystal Test Set	General crystal tester for transmitter BC-625-().		SCL	271-3061	P/O AN/FSM-1()
TS-142()/APG TS-142/APG	Calibrator	Used to calibrate range rate. Puts out 0 to +50v, 0.5 to 0.75μsec pulse plus 400 to 2500pps sync signal.	Western Electric Co General Electric	AAF ARL-3567	471-5062	U/W AN/APG-1,2
TS-142A/APG	Calibrator	Range-rate calibrator. Same description as TS-142/APG. Minor circuitry changes have been affected.		ARL-47-80	AAF Tent 71-5062	U/W AN/APG-1
TS-143()/CPM-1 TS-143/CPM-1	Synchroscope	5" tube, 2 stage video amplifier. 2/10/25/60μsec/inch sweep, airborne installation.	Galvin Mfg Corp SYN-15	ARL		P/O AN/CPM-1
TS-144/TRC-6	Wavemeter	Signal generator, radar equipment, provides FM or CW signals of known power and frequency. Cancelled 15 May 1947.	Western Electric Co X66619A	SIGTA-2N		
TS-145/TRC-6	Wave Guide Kit	Consists of choke and flange connector, choke adapter, wavemeter pickup assembly, an 80 or 10db attenuator, and a thermistor (variable) assembly. Used with bridge for power measurements and with wavemeter for frequency measurements (4300 to 4900Mc).		SCL	471-3050	P/O AN/TRC-6 U/W TS-150()/TRC-6 TS-144()/TRC-6
TS-146/UP	Test Set	Signal generator. Provides FM or CW signals for XL and XS band radars; measures transmitter power and frequency and receiver sensitivity. Includes sawtooth generator.	Philharmonic Radio	USN		
TS-147/UP	Test Set	Radar equipment, signal generator, provides FM or CW signals for XL and XS band radars.	Sperry Gyroscope Co	USN	RE9583A	U/W CX-337/U AT-68/UP
TS-147A/UP	Test Set	Signal generator. Provides FM or CW signals for XL and XS band radars. (8500 to 9600Mc).	Gen Communications	USN	CS-602 CS-748	
TS-147B/UP	Test Set	FM or CW signals for testing beacon equipment and radar systems: 8500 to 9600Mc. Includes triggered sawtooth sweep generator: 0 to 6Mc rate. FM deviation: 0 to 60Mc.	Sperry Gyroscope Co 674766	USN SCL-8874	MIL-T 15254A (SHIPS)	
TS-147C/UP	Test Set	Radar equipment for testing beacon equipment and radar systems, 8500 to 9600Mc ±2.5Mc FM deviation: 0 to 60Mc; sweep rate: 0 to 6Mc.	Epsey Mfg Co	USN	MIL-T-15254 (SHIPS)	
TS-147D/UP	Test Set	Measures radar transmitter power and frequency receiver bandwidth, sensitivity, recovery time. Performance tests on TR box, AFC systems, rotating joints. Include signal generator 8500 to 9600Mc, frequency meter, power meter. Improved version of TS-147()/UP.	Gen Communications	USA USN	MIL-T-15244A (SHIPS)	
TS-147E/UP	Test Set	For tests on X-band radar sets. Provides known FM and CW signals for receiver testing. Transmitting: 8500 to 9600Mc; measuring: 8470 to 9630Mc.	Hubbel 4891	N-62-X-82	MIL-T-15254A	
TS-148/UP	Spectrum Analyzer	Visual display (CRT) of spectrum of pulsed oscillators in X-band radars: 8470 to 9630Mc. May be used for VSWR measurements.	Hazeltine Electronics A-4014 Jetronic Industries B-1398	USN	16A46 (Aer) MIL-T-18201	P/O AN/UPM-33,33A
TS-148A/UP	Spectrum Analyzer	Visual display (CRT) of spectrum of pulsed oscillators in X-band radars: 8470 to 9630Mc. May be used for VSWR measurements.	Transitron Electronics D-0165-05033-1	USN BuAer	MIL-T-18201 (Aer)	P/O AN/UPM-33A
TS-149()/TRC-6	Oscilloscope	3" screen; 0.3v/inch min vertical sensitivity, 300v/inch, 8000 cycles.		SCL-7737		P/O AN/TRC-26(),6() AN/TRQ-3()
TS-150/TRC-6	Thermistor Bridge	Cancelled 15 May 1947.		SIGT-2N		

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TS-151/FSM-1	Crystal Test Set	Tests crystals used in radio set. Consists of an oscillator with self contained VR power supply.		SCL	271-3061	P/O AN/FSM-1 U/W SCR-274-N
TS-152/FSM-1	Oscilloscope	Measures crystal unit frequency deviations.			271-3061	P/O AN/FSM-1()
TS-152A/FSM-1	Oscilloscope	2" screen, vertical sensitivity 0.3rms v/inch frequency response: 100 cycles to 15kc/sec on X axis.	Electrodyne Co		SCLM-7072	P/O AN/FSM-3()
TS-153/AP	Field Intensity Meter	67/2 to 72.2Mc. Provides no amplification. Similar to I-95-AM. Includes antenna. Uses 0 to 1ma meter with diode rectifier and tuned circuit to measure transmitter's field strength.		USN		P/O AN/CRT-1
TS-154/CRW-2	Test Box	Receiving equipment test, tests relay equipment.				U/W AN/CRW-2,2A
TS-155/UP	Signal Generator	Power measurement in this range for pulsed transmitter, pulse modulated: 2700 to 2900Mc.	Templetone Radio	ESL-3775	MIL-S-10728 (SigC)	
TS-155A/UP	Signal Generator	2.7 to 2.9Mc ±3db. Output indicator calibrated in db above 1mw. Internal pulse modulation. Pulse is variable in width and repetition rate. Includes antenna and other necessities. Measures average power of pulsed xmitter and receiver sensitivity.	Templetone Radio	ESL-3776	71-2229 (SigC)	
TS-155B/UP	Signal Generator	Power measurement in this range for pulsed transmitter, pulse modulated: 2700 to 2900Mc.	Boonton Radio Corp	ESL-3777	71-2229 (SigC)	
TS-155C/UP	Signal Generator	2700 to 3400Mc in 3 bands. Pulse modulated: 120 to 2000cps. Includes cables, adapters, and antenna. Several circuitry changes have been included which differentiate it from TS-155()/UP. External pulsing also permitted.			SigC-371-2229	
TS-155D/UP	Signal Generator	Power measurement range: 2700 to 3400Mc in 3 bands. Cancelled 26 January 1949.	Boonton Radio Corp	SCProcA	SC71-2229	
TS-155E/UP	Signal Generator	Checks various radars in 2700 to 3400Mc range. Output: -20 to -100dbm; Z: 50Ω. Modulation: 80 to 2600pps. Interchangeable with previous versions.	Webster Electric Co	SCLM-1238	MIL-G-10728A	
TS-156/FSM-1	Crystal Test Set	For testing activity and frequency of crystals used in Radio Set SCR-543-().		CESL		P/O AN/FSM-1()
TS-157/AP	Indicator Pick-up Assembly	Power measurement, plug-in output meter, measures output of jamming transmitter.		USN		U/W AN/APT-2 AN/APQ-1(),2(),9()
TS-158()/AP TS-158/AP	Computer Test Set	Radio test, tests computer of Radio Set AN/APQ-10.	Western Electric Co D-151 765	AAF-ARL-3269		U/W AN/APQ-10
TS-159/TPX	Test Set	Contains tunable oscillating detector (150 to 2000Mc). Audio amplifier, 10Mc crystal oscillator, harmonic generator, 30Mc output circuit for IF amplifier alignment, metered dummy load for peak RF power indication in 50Ω load and a dc meter which also reads currents and voltages in transmitter and receiver.	Radio Receptor Corp C-179-7	CESL-1640		P/O AN/TPX-1 AN/TPX-3 AN/TPX-4
TS-160/ASQ-2	Test Set	Signal simulator, simulates output of 2 detector units.		USN		U/W AN/ASQ-2
TS-161/AI	Test Set	Portable, employed as a visual indicator for checking continuity of conductors in tow rope to glider prior to attachment of tow plane.		ARL		P/O AN/AIM-1 U/W AN/AIA-1A AN/AIA-1
TS-162/AI	Test Set	Portable, for checking wiring and operation of glider components AN/AIA-1A and AN/ASA-1.		ARL		P/O AN/AIM-1 U/W AN/AIA-1A AN/AIA-1
TS-163/AI	Test Set	Portable, checks wiring and operation of tow plane components of AN/AIA-1A and AN/AIA-1.		ARL		P/O AN/AIM-1 U/W AN/AIA-1A AN/AIA-1
TS-164()/AR	Frequency Meter	Heterodyne: 125 to 20,000kc; error 0.01%, airborne.		ARL		
TS-165/FSM-1	Test Meter	Crystal test equipment meter with 3ft length of 2 conductor cord.		SCL		P/O AN/FSM-1()
TS-166/FSM-1	Test Meter	Crystal test equipment, measures line voltage.		SCL		P/O AN/FSM-1()
TS-167/FSM-1	Test Meter	Crystal test equipment meter with 3ft length of 2 conductor cord.		SCL		P/O AN/FSM-1()
TS-168/FSM-1	Test Meter	Crystal test equipment meter with 3ft length of 2 conductor cord.		SCL		P/O AN/FSM-1()
TS-169/FSM-1	Test Meter	Crystal test equipment meter with 3ft length of 2 conductor cord.		SCL		P/O AN/FSM-1()
TS-170/ARN-5	Test Oscillator	3 frequencies: 332.6, 333.8, 335.0Mc, modulated: 90 or 150cps, test glide path receivers.		ARL		U/W AN/ARN-5
TS-171()/AP	Standing Wave Detector	5 to 50w; detection by thermocouple attached to probe. Also indicates thermocouple current.		ARL-3348		P/O AN/APM-7 U/W AN/APG-2
TS-172()/UP	Test Set	Echo box, L2 band, moving diaphram adjustment.	Western Electric Co	USN	X-66162A BELL	U/W AN/TPS-1()
TS-172A/UP	Test Set	Echo box, 1215 to 1370Mc peak power out 500kw.	Johnson Service Co SA-18203	USN	SHIPS-T-1140	
TS-172B/UP	Tuned Cavity	Echo box, 1215 to 1370Mc peak power out 500kw, added a pressure relief valve.	Johnson Service Co SA-18203	USN		P/O AN/TPS-1G
TS-173()/UR	Frequency Meter	Range: 90 to 450Mc, heterodyne type with crystal calibrator and modulator.		USN		
TS-174()/U TS-174/U	Frequency Meter	Range: 20 to 250Mc, 20 to 40Mc fundamental; 40 to 250Mc harmonics.	Cardwell Mfg Corp	ARL-45-R78	AAF271-5074	U/W AN/APT-3() etc

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TS-174A/U	Frequency Meter	Range: 20 to 250Mc, 20 to 40Mc fundamental; 40 to 250Mc harmonics.		ARL-48-192	USAF 71-5056-A	P/O AN/APT-5 etc
TS-174B/U	Frequency Meter	Range: 20 to 250Mc, 20 to 40Mc fundamental; 40 to 250Mc harmonics.	Peters Co PL-1086	SCL-8165	71-5074 (ARMY)	
TS-175()/U TS-175/U	Frequency Meter	85 to 1000Mc; fundamental: 85 to 220Mc, general purpose squadron use.	Cardwell Mfg Corp	ARL		U/W AN/APT-2 etc
TS-175A/U	Frequency Meter	85 to 1000Mc; fundamental: 85 to 200Mc, general purpose squadron use.	International TV Corp	ARL-48-194	MIL-F-4289	U/W AN/APT-2 etc
TS-175B/U	Frequency Meter	85 to 1000Mc; fundamental: 85 to 200Mc, general purpose squadron use.	Columbus Electronics	SCL-9616	71-5095 (ARMY)	
TS-175C/U	Frequency Meter	Range: 85 to 1000Mc, 1 channel, 0.04% accuracy.	Colortone Electronics TS-175	SCLM-7423	MIL-F-10763A	
TS-176/ASQ-2B	Test Set	Cancelled 12 September 1947. Never procured.		USN		
TS-177()/CPS-1 TS-177/CPS-1	Crystal Calibrator	Frequency standard. Provides waveforms used to adjust operating frequency of Range Mark Generator O-20()/CPS-1.	General Electric C-7409	WL-45-C67 & C68		P/O AN/CPS-1 U/W CY-142()/CPS-1
TS-178/ARM-1	Test Unit	Measures various grid currents and voltages for test and alignment of Radio Transmitter T-67()/ARC-3 and Radio Receiver R-77()/ARC-3.	Colonial Radio Corp	ARL	271-5053	P/O AN/ARM-1 U/W AN/ARC-3
TS-179()/CRN-10 TS-179/CRN-10	Course Detector	Receiver, super heterodyne, measures course location, sharpness, clearance.	Fed Tele & Radio Corp	ARL		P/O AN/CRN-10
TS-180()/CRN-10 TS-180/CRN-10	Course Monitor	Detector, RF and course meter, fed to an indicator.	Fed Tele & Radio Corp	ARL		P/O AN/CRN-10
TS-181/CRN-1	Dummy Antenna	Dummy load, used to check transmitter (navigational).	Wells, Gardner & Co	ARL		P/O TS-41/CRN-1 U/W AN/CRN-1
TS-182/UP	Test Set	Receiver and transmitter performance checks receiver sensitivity, transmitter power output and rough frequency check; scope can be used as general purpose to check IFF equipment. Cancelled 25 November 1946.	Hickok Electrical Inst	USN		
TS-183()/U TS-183/U	Battery Tester	Battery serviceability check, has voltmeter 0 to 5/50/200vdc.		SIGGGC	MIL-T-12756	
TS-183A/U	Battery Tester	Battery serviceability check, has voltmeter 0 to 5/50/200vdc.	Aircraft Electronics	SCPA	71-3149 MIL-T-	
TS-183B/U	Battery Tester	Battery serviceability check, has voltmeter 0 to 5/50/200vdc.	Munston Mfg Co	SCL-9269	71-3149 (ARMY)	
TS-184()/AP TS-184/AP	Test Set	Frequency measurement, tuned cavity: 410 to 470Mc, measured every 0.5Mc.	Radio Corp of Amer	ARL-46-R229	AAF-R-7101	P/O AN/APM-14 U/W AN/APS-13
TS-184A/AP	Test Set	Frequency measurement, tuned cavity: 410 to 470Mc, measured every 0.5Mc.	Radio Corp of Amer	ARL		P/O AN/APM-14 U/W AN/APS-13
TS-185/AP	Probe Antenna	Pick-up antenna, used to pick up radiated RF; "half wave dipole". Cancelled 19 April 1944. Replaced by AS-123/AP.		ARL		P/O TS-184()/AP
TS-186()/UP TS-186/UP	Frequency Meter	500 to 1200Mc, heterodyne type, check X-band receivers from 100Mc through X-band.		USN USA		
TS-186A/UP	Frequency Meter	500 to 1250Mc, one continuous band.	Washington Institute 12524	USN	RE-13A-1032A (BuShips)	
TS-186B/UP	Frequency Meter	500 to 1250Mc, one continuous band.	Federal Mfg & Eng	USN	RE-13A-1032 (BuShips)	
TS-186C/UP	Frequency Meter	500 to 1250Mc, one continuous band.	Federal Mfg & Eng	USN	MIL-H-152 (BuShips)	
TS-186D/UP	Frequency Meter	500 to 1250Mc, one continuous band.	Federal Mfg & Eng	USN	MIL-H-152H2 (BuShips)	
TS-186E/UP	Frequency Meter	Range: 500 to 1250Mc in 1 band, accurate to 0.01%. Uses resonant cavity type oscillator (heterodyne) which is different from that used in TS-186D/UP.	Akeley Camera & Inst 317-O	USN-57-1676	MIL-F-15242A	
TS-187()/TPS-1B TS-187/TPS-1B	Echo Box	Cancelled 2 May 1944. Replaced by TS-172()/UP.		USN		
TS-188/APS-4	Test Bench	Mechanical equipment, provides mounting of radio sets for service.				U/W AN/APS-4()
TS-189/U	Test Set	Test oscillator, pulse frequency 270Mc, can operate on second harmonic, prf 3150/2750/1875 and 450pps.	Techanical Radio Co	USN		
TS-190/U	Test Set	Receiver, used for depot carrier equipment maintenance.	Western Electric Co 67B		MIL-T-12681	P/O IE-53-()
TS-191()/U TS-191/U	Test Set	Frequency measurement, signal generator and power measurement, 8990 to 9170Mc, 100μw peak power output.		USN		U/W AN/MPM-1A,1B
TS-192/CPM-4	Wavemeter	Measures wave lengths of oscillations.	General Electric	CESL-1775	K-7100936 (GE)	P/O AN/CPM-4 U/W AN/CPS-1
TS-193/CPM-4	Dummy Transmit-Receive Box	Receiver test equipment, has input for signal generator, similar to TR unit.	General Electric M7422 191	WL-45-C90	AAF-C-7415	P/O AN/CPM-4,10 U/W AN/CPS-1,4
TS-193A/CPM-4	Dummy Transmit-Receive Box	Receiver test equipment, has input for signal generator, similar to TR unit.	General Electric A-12359-A	WL-45-351	AAF-C-7415	P/O AN/CPM-4,11(), 12() AN/MPM-17 U/W AN/CPS-1,4,6()

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TS-193B/CPM-4	Dummy Transmit-Receiver Box	Receiver test equipment, has input for signal generator, similar to TR unit.	Press Wireless Mfg D-70186	WL-50-1813	AAF-C-7415	U/W AN/CPS-1,4,6
TS-194/CPM-4	Thermistor Probe	RF bridge accessory has capacity pick-up element and 6ft of RG-21/U cable.	General Electric GEM-7471838-G2	CESL		P/O AN/CPM-4 U/W AN/CPS-1
TS-195/GP	Noise Generator	Diode noise source; signal for receiver test.	General Electric DL-47491A-G1	CESL		P/O AN/CPM-4
TS-196()/CPM-4 TS-196/CPM-4	Radio Frequency Bridge	Measures power of transmitter and calibrates signal generator output. U/W Thermistor Probe TS-194/CPM-4.	General Electric DL-4W489A-G1	CESL-1779		P/O AN/CPM-4 U/W AN/CPS-1
TS-197()/CPM-4 TS-197/CPM-4	Signal Generator	RF power; uses oscillator and built-in thermistor bridge.	General Electric	CESL-1780		P/O AN/CPM-4 U/W AN/CPS-1
TS-198()/CPM-4 TS-198/CPM-4	Oscilloscope	Has own power supply so it can be used for type "A" display.	General Electric DL-4W490A-G1	CESL		P/O AN/CPM-4 U/W AN/CPS-1
TS-198A/CPM-4	Oscilloscope	Same description as TS-198/CPM-4. Contains additional vertical deflection input to facilitate calibration of range marks.	General Electric XRS-83733	CESL		P/O AN/CPM-10 U/W AN/CPS-4
TS-199/CPM-4	Test Meter	Ammeter, 0 to 1.0ma full scale, 0 to 5ma full scale on multiplier switch.	General Electric DL-4W469A-G1	CESL WL-45-R2161	R7405-A (USAF)	P/O AN/CPM-4 U/W AN/CPS-1
TS-200/CPM-4	Detector	Used to replace 2nd detector diode in receiver and measure dc output current.	General Electric DL-4W488A-G1	CESL		P/O AN/CPM-4 U/W AN/CPS-1
TS-201/UP	Fluxmeter	Measures flux density of magnet poles, (face diameter 2") 1200 to 4500 gauss.	General Electric M-7471788	CESL		P/O AN/CPM-4 U/W AN/CPS-1
TS-202()/U	Signal Generator	10 to 1200Mc; produces harmonics of 5Mc crystal oscillator spaced 10Mc and 40Mc.		USN		
TS-202A/U	Signal Generator	10 to 1500Mc ±0.02%, 2 bands; 10Mc with harmonics to 1000Mc, 40Mc with harmonics to 1500Mc; crystal controlled.	Radioactive Products 3500	USN		
TS-203/AP	Test Indicator	Selsyn unit, with calibration to put selsyn motor through 30°.	Western Electric Co	ARL		P/O AN/APM-19 U/W AN/APQ-7
TS-204/AP	Reflecto-meter	Checks efficiency of antenna circuits of Radio Set AN/APS-13 by giving indication of reflection factor.		ARL		P/O AN/APM-14 U/W AN/APS-13
TS-205/U	Test Meter	Ammeter, general purpose; 0 to 1ma dc with 5ft cable.				U/W AN/UPT-T1()
TS-206/AR	Radio Frequency Wattmeter	Power measurement, 300 to 1000w up to 60Mc contains dummy antenna load.	Bird Engineering Co	ARL	271-5096	U/W AN/ART-3
TS-207/UP	Echo Box	Used as an overall systems indicator for "S" band.		CESL-1847		P/O AN/MPM-2,3,5
TS-208/MPM	Dummy Antenna	Contains connector with 47Ω, 1w resistor. Used to align Radio Receiver and Transmitter BC-1267-A.	Belmont Radio Corp	CESL		P/O AN/MPM-2,3,5 U/W RC-184-() RC-145-() RC-127-()
TS-209/ART-3	Frequency Meter	Wavemeter uses glow lamp to indicate resonance.		AAF-AMC		P/O AN/ART-3()
TS-210/MPM	Test Antenna	For alignment of radio receiver and transmitter.		CESL		P/O AN/MPM-2,3,5 U/W RC-184-(), 127-(),145-()
TS-211()/UPM-2 TS-211/UPM-2	Wavemeter	Frequency measurement: 75 to 400Mc absorbtion type.				P/O AN/UPM-2()
TS-212()/UPM-2 TS-212/UPM-2	Wavemeter	Frequency measurement: 350 to 1250Mc absorbtion type.	Kalart & Co RA-74F-310C			P/O AN/UPM-2()
TS-213()/U	Frequency Meter	500 to 5000Mc; modulation: 1000cps. Cancelled 12 February 1948.				
TS-214/AP	Reflecto-meter	Antenna test equipment for checking operating efficiency.		ARL-3797		P/O AN/APM-16 U/W AN/APS-16
TS-215/AP	Phasing Analyzer	Selsyn test equipment, for phasing selsyn control systems; a volt-ohmmeter: 0 to 300 to 600vac, 0 to 50 to 150 to 500vdc and 1000 and 10,000Ω scale.	Roller-Smith Co	ARL		P/O AN/APM-6
TS-216()/TPL-1 TS-216/TPL-1	Test Set	Provides all plugs, switches, relays, meters, protective devices and cross connections necessary for testing principal components of the radar set, either singly or in combination.	Sperry Gyroscope Co	CESL-1859		U/W AN/TPL-1C
TS-217()/MPN-1 TS-217/MPN-1	Echo Box	Operates in "S" band. Has a frequency meter. Used in tuning "S" band transmitter.	Marathon Inst Co CGL-C00-4430	SPSRB-3TS		P/O AN/MPN-1
TS-218()/UP TS-218/UP	Echo Box	8920 to 9250Mc; decay 4.5 to 6db per μsec. Includes pickup dipole antenna.	Western Electric Co	CESL-1846-C		U/W AN/MPN-1()
TS-218A/UP	Echo Box	8920 to 9250Mc, includes pick-up antenna AT-68/UP.	Western Electric Co X63630-B	WL USN		
TS-219()/UP TS-219/UP	Echo Box	2640 to 2960Mc hand tuned; Q is 3500.	Western Electric Co	SPSRB-2		
TS-220/TSM	Standard Oscillator	Tests activity and frequency of crystals used in various Signal Corps transmitters and receivers.	Galvin Mfg Corp 1-B614b7	SCL		
TS-221/TSM	Standard Oscillator	Crystal testing, 200kc to 1200kc, used on crystal units CR-2/U,3/U,4/U.		SCL-7146	MIL-T-12622	P/O AN/TSM-2()
TS-222/MPM-1	Voltage Divider	Used to measure high voltage on low voltage meters, max input: 12,000vdc 10 to 1 and 100 to 1 ratios.	Technifinish Lab	WL-45-R2049		U/W AN/MPM-1

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-223()/AP TS-223/AP	Test Set	Frequency, power, measurements and alignment of radar "K" band equipment.	Aircraft Radio Corp	USN		
TS-224/UP	Test Set	Determines power output of transmitters, receiver sensitivity, transmitter and receiver frequency sync and receiver and indicator characteristics of radar equipments.	Boonton Radio Corp	SPSRS-3		P/O AN/MPN-1
TS-224A/UP	Test Set	Same description as TS-224/UP. Improved model.	Boonton Radio Corp 102F	WL-45-108		P/O AN/MPN-1
TS-225/MPN-1	Echo Box	Operates in "X" band. Measures relative power.	Fed Tele & Tel Co	CESL		P/O AN/MPN-1
TS-226/AP	Power Meter	Measures peak power to ±2db. Provides for oscilloscope observation and built-in calibration.		ARL		P/O AN/APM-29
TS-226A/AP	Power Meter	Same description as TS-226/AP; 10db attenuator added.	Electronic Corp of Am	ARL		P/O AN/APM-29 U/W AN/APS-13 AN/APS-16
TS-227()/AP	Test Set	Cancelled 21 September 1944. Replaced by TS-276()/AP, TS-278()/AP.		SPSRB-3		
TS-228()/AP TS-228/AP	Test Set	Frequency measurement-sensitivity, echo box and attenuator, 510 to 540Mc (when used as wavemeter).	Maguire Industries	AAF ARL-3799		P/O AN/APM-16 U/W AN/APS-16
TS-229()/U TS-229/U	Radio Frequency Power Indicator	3 to 7.5mv dc; for use with thermocouple.	American Moninger SC-D-13804	CESL		P/O AN/TPM-2
TS-230()/AP TS-230/AP	Frequency Power Meter	Power levels CW or pulse, 0.1 to 1000Mw frequency; ±3Mc, max error 0.5Mc in 60Mc, X-band.	Western Electric Co B-409498	USN		
TS-230A/AP	Frequency Power Meter	Power levels CW or pulse, 0.1 to 1000Mw frequency; ±3Mc, max error 0.5Mc in 60Mc, X-band.	Midwest Eng Dev	USN	CS-677 (USN)	
TS-230B/AP	Frequency Power Meter	Power levels CW or pulse, 0.1 to 1000Mw frequency; ±3Mc, max error 0.5Mw in 60Mc, X-band.	Electro-Impulse Labs	USN	SHIPS M-89	
TS-230C/AP	Frequency Power Meter	8500 to 9700Mc, 0.1 to 1000Mw, 1200 dial divisions.	Hycon Mfg	USN		
TS-230D/AP	Frequency Power Meter	8500 to 9700Mc, 0.1 to 1000Mw, 1200 dial divisions.	Electro-Impulse Labs	USN	MIL-M-15453A (SHIPS)	
TS-231/AP	Dummy Antenna	175kw peak, 200w nominal, 2600 to 9600Mc.	Telerad Mfg Corp 212	USA USN	CS-745	
TS-231A/AP	Dummy Antenna	175kw peak, 200w nominal, 2600 to 9600Mc; peak voltage of 7000v.	Kings Microwave Co	USN	MIL-R-16079	
TS-232()/PRC-3	Frequency Meter	Range: 2200 to 2400Mc. Also measures oscillator plate current.		SCL-4444	371-3217	P/O AN/PRC-3()
TS-233/TPN-2	Test Set	Consists of a signal generator frequency meter, and high voltage power supply. Testing frequencies cover 214, 219, 224, 229, and 234Mc.	Fada Radio & Electric	CESL		U/W AN/TPN-2()
TS-234/UP	Dummy Load	2Mc range, absorbs 1800w at 5000v peak, acts as 50 to 1v divider.	Western Electric Co	WL-51-R1782	X-66131B (BELL)	U/W AN/TPS-1B AN/CPS-5
TS-235/UP	Dummy Antenna	Terminates 50Ω 1 to 5/8" coaxial line. Frequency range: 500 to 1500Mc; absorbs 1kw.	Western Electric Co BR-409519	USN	X-66312B	P/O AN/TPS-1B
TS-235A/UP	Electrical Dummy Load	Frequency range: 500 to 1600Mc, 1kw power absorbtion at 10,000v peak.	Rett Products R-607-C-4	USN 1913		U/W AN/TPS-1B
TS-236()/TPS-1 TS-236/TPS-1	Voltage Divider Kit	Consists of Voltage Divider TS-98/AP and Technical Manual TM-11-1072.	Western Electric Co	CESL		U/W AN/TPS-1,1A
TS-237()/TRC-8 TS-237/TRC-8	Test Oscillator	Frequency standard, crystal controlled, fundamental 5Mc w/harmonics every 5Mc apart in 230 to 250Mc band.	Espey Mfg Co 27.2380	SCL-7871	71-3244 (ARMY)	P/O AN/TRC-8(), 11(),12() U/W R-48()TRC-8
TS-238()/GP TS-238/GP	Echo Box	Used as overall systems testing indicator. Consists of Echo Box TS-207/UP, a crystal adapter and Crystal IN-21B, and a meter box with output meter.	General Electric SC-D-13820		CESL-2069	U/W SCR-584(), SCR-784()
TS-239()/UP TS-239/UP	Oscilloscope	10cps to 10Mc, 0.1 to 100v/6". Pulse rise time is 0.08μsec. Sweep: 0.5 to 50,000μsec per inch. Timing pulses: 0.2/1/10/100 and 500μsec available. Input Z: 0.3MΩ//25μμf. Provides type A sweep and 300/800/ and 2000pps.	Western Electric Co Lavoie Labs	USN		
TS-240()/FRC TS-240/FRC	Frequency Standard	Secondary adjustable output at 10/25/100/1000kc, 800cps modulator.	Millen James Mfg Co 90505	PEA		
TS-241()/CPS-5 TS-241/CPS-5	Crystal Calibrator	Frequency standard, for adjusting range mark generator output; frequency: 93.120kc.	General Electric C-7409	WL-45-C65 & C66		P/O AN/CPS-5() U/W O-20()/CPS-1
TS-241A/CPS-5	Crystal Calibrator	Frequency standard for adjusting range mark generator output; frequency: 93.120kc.	General Electric ML-51J268-G1	WL-51-1160		P/O AN/CPS-5 U/W O-20/CPS-1
TS-242()/GRM-1A TS-242/GRM-1A	Test Set	Contains 50μa meter. Measures input, plate and screen voltage and input and cathode current of a radio receiver.		USN		P/O AN/GRM-1A
TS-243()/UPR TS-243/UPR	Frequency Meter	Replaced by R-19/UPR. Cancelled 26 August 1944.		USN		
TS-244()/UPR TS-244/UPR	Frequency Meter	Replaced by R-19/UPR. Cancelled 26 August 1944.		USN		
TS-245()/TRT-1 TS-245/TRT-1	Test Set	Contains 5 tuning forks (336,433,558,721 and 930cps). Forks actuated by a coil and voltage dividing network. Sound is transmitted through an acoustic pick-up to the operator.		CESL-2108		U/W AN/TRT-1()

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TS-246/APM-48	Dummy Load	Cancelled 13 December 1946.		ARL-46-C418		
TS-247()/APM-48 TS-247/APM-48	Wavemeter	Frequency range: 215 to 275Mc, 2v peak for 20% meter deflection.		AAF ARL-46-R-235	SigC 371-5087	P/O AN/APM-48 U/W AN/APM-3
TS-247A/APM-48	Wavemeter	Frequency range: 215 to 275Mc, 2v peak for 20% meter deflection.	Amer Measuring Inst	USAF AEL-54-1013	EXH: WCL-518	U/W AN/APN-3,84
TS-248()/G	Fault Locator	Cathode ray type for determining character of faults and related distances. Contains fault locator, termination unit and hybrid connector.		QCD		
TS-249()/G	Fault Locator	Cathode ray pulse type for determining character of faults and related distances. Contains oscillator, pulse generator, hybrid coil etc.		SRSGW		U/W TS-368()/G TS-369()/G
TS-250()/APN TS-250/APN	Range Calibrator	To calibrate FM radio equipment.	Raytheon Mfg Co	USN		U/W AN/APN-1 series
TS-250A/APN	Range Calibrator	Used for checking and adjusting altimeters.	Jetronic Industries B-1051 Technicraft Corp 876A0001	USN	MIL-T-945A	U/W AYB,AYD, AN/ARN-1 AN/APN-1
TS-251()/UP	Test Set	Receiver testing, Loran, checks each basic re-currance rate.		SPSRB-3		U/W AN/APN-4,9() SCR-722-A DAS-1
TS-252()/AP TS-252/AP	Test Oscillator	1000 to 3000Mc; usable beyond 3000Mc on harmonics. Modulation: internal, pulse, 1000cps, 0.2μsec width. Sensitivity greater than 0.1mv. Output: 2 to 20mw.	FM Link	AAF ARL-46-R327		P/O AN/APR-7()
TS-253/AP	Dummy Load	Terminates FG-53/U or RG-66/U, 23,520-24, 480Mc, 35w average, 60kw peak power.	Western Electric Co Rad Lab C-6073-A	ARL LTR 4/20/45		P/O AN/APM-42 U/W AN/APQ-34()
TS-254()/AP TS-254/AP	Power Meter	K-band uses thermistor and bridge circuit.	Western Electric Co Rad Lab TWK-1EC	ARL-3962		P/O AN/APM-41 U/W AN/APQ-34()
TS-255()/AP TS-255/AP	Echo Box	Performance test of K-band radars.	Western Electric Co	ARL-3963	X-66424A (BELL)	P/O AN/APM-41 U/W AN/APQ-34()
TS-256/AP	Monitor Unit	General check of IFF transponder installation in an airplane.	Sylvania Electric Co	ATSC		
TS-257()/ARW TS-257/ARW	Test Set	Radio test equipment, contains multitester 0 to 5/10/50/100/300vdc and 0 to 30/15/0.2ma, 0 to 50,000Ω, check relay operation.	Lavoie Labs USAF49D12653 USAF46D40807 Technitrol Eng Co	AEL-49-R465		U/W AN/ARW-26,26Y, 26X
TS-257A/ARW	Test Set	Radio test equipment, contains multitester 0 to 5/10/50/100/300vdc and 0 to 30/15/0.2ma, 0 to 50,000Ω, check relay operation.		AEL-51-R611	MIL-T-945	U/W AN/ARW-26()
TS-258()/UP TS-258/UP	Test Set	Generates pulse or CW RF power. Contains signal generator, wavemeter, and power monitor. For bench and field test of X-band radar equipment.	Radiation Counter Labs TTX-11PR	CESL 2172		U/W AN/MPN-1
TS-259()/AP TS-259/AP	Signal Generator	FM: K-band; internal frequency modulation. Frequency: 1.25cm ±2%. Output calibrated in milliwatts and dbm. Measures frequency, power, receiver sensitivity, TR recovery time, and AFC operation.	Browning Lab Inc	ARL-45-R391		P/O AN/APM-41 U/W AN/APQ-34()
TS-259A/AP	Signal Generator	Same description as TS-259/AP&().		SPSRD	TTK-1RH Rad Lab	P/O AN/TPM-4() U/W AN/TPQ-2()
TS-260/MPM-9	Dummy Antenna	Dummy load to check transmitter output.	Browning Lab Inc SC-D-14906	CESL		P/O AN/MPM-9() U/W RC-192-()
TS-261/TRR-2	Test Set	Test lamp.		CESL		U/W AN/TRR-2()
TS-262()/TPS-10 TS-262/TPS-10	Oscilloscope	Video amplifier: bandwidth: 2Mc; output: 120 ±5v with input pulse of 1v and 1μsec width. Sawtooth and delayed trigger output at least 160v. 3" screen.		CESL-2180		U/W AN/TPS-10()
TS-262A/TPS-10	Oscilloscope	Same description as TS-262/TPS-10&().		WL-45-101	C-7400	P/O AN/TPS-10A
TS-263()/TPS-10 TS-263/TPS-10	Test Set	Signal generator with circuits for measurement of receiver characteristics and magnetron output.		CESL-2181		U/W AN/TPS-10()
TS-264/MPG-1	Dummy Load	Tests Modulator MD-36()/MPG-1.	Bendix Radio AL-76291	CESL		U/W AN/MPG-1()
TS-265()/UP TS-265/UP	Electrical Instrument Multiplier	Voltage divider, 100 to 1 for 5000 to 50,000v, 10 to 1 up to 5000v, for viewing pulses on synchroscope.		SIMSA-61-2729 CESL	MIL-V-14274	U/W AN/TPS-1
TS-265A/UP	Electrical Instrument Multiplier	Used to divide voltage pulse for viewing on a synchroscope.	Forway Industries Inc	SIMSA-61-367	MIL-V-14274	
TS-266()/MPG-1 TS-266/MPG-1	Range Calibrator	Uses 2 CRT, circular sweep, one 250yd/revolution, other 2000yd/revolution.	Bendix Radio AR-97104	CESL-2193		U/W AN/MPG-1()
TS-267/MPG-1	Dummy Load	Used for testing X-band magnetrons.		CESL-3490		P/O AN/MPM-6 U/W AN/MPG-1()
TS-268()/U	Crystal Rectifier Test Set	Checks crystal rectifiers in the X and S band.	Mass Inst of Tech TMN-10RL	SPSMB	MIL-C-10731 (SigC)	
TS-268A/U	Crystal Rectifier Test Set	Checks crystal rectifiers in the X and S band.	Mass Inst of Tech Radiation Labs C11603A	CESL		U/W AN/TPS-10()
TS-268B/U	Crystal Rectifier Test Set	Checks crystal rectifiers in the X and S band.	Mass Inst of Tech Radiation Labs C11603A	WL		U/W AN/TPS-10()

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TS-268C/U	Crystal Rectifier Test Set	Checks crystal rectifiers in the X and S band.	Munston Mfg Co	WL-45-1188	7439-A (USAF)	
TS-268D/U	Crystal Rectifier Test Set	Checks crystal rectifiers in the X and S band.	Network Mfg Corp J-105	SCL-9798	MIL-C-10731	
TS-268E/U	Crystal Rectifier Test Set	Checks crystal rectifiers in the X and S band.	Voron & Co TS-268	SCLM-7300	MIL-C-10731 (SigC)	
TS-269()/UR TS-269/UR	Test Set	Impedance measuring, substitution method, for LF use; RF power required: external 10w (max), 0 to 200Ω.		PEA SIGGD-T	MIL-T-10306	
TS-269A/UR	Test Set	Impedance mesuring, substitution method, for LF use, RF power required: external 10w (max), 0 to 200Ω.				
TS-269B/UR	Test Set	Impedance measuring. Frequency range: 130 to 800kc, 0 to 200Ω.		SCL-8407		
TS-270()/UP TS-270/UP	Echo Box	Cavity tuned, 2700 to 2900Mc for alignment of radar and relative power measurements.	Johnson Service Co 270-UP	USN SCL	71-2398 RE-13A-1047A (SHIPS)	P/O AN/MPM-1A
TS-270A/UP	Echo Box	Checks overall performance of microwave radar sets in Sg band.	Johnson Service Co	CESL-2881 EXL-3817	371-2398	
TS-270B/UP	Echo Box	Cavity tuned, 2700 to 2900Mc, for use with radars in 2630 to 2970Mc range.	Johnson Service Co	ESL-3729	71-2398 (ARMY)	
TS-272/TPS-3	Test Set	Consists of wavemeter: (570 to 630Mc); VOM (Simpson 260); Frequency Meter JBT 33-F; indicator service cable, receiver service cable and modulating shorting wire and clip assembly.	Zenith Radio	CESL-2264C		P/O AN/TPS-3()
TS-273/U	Phantom Transmitter Antenna	Dummy load, used for alignment purposes; 1a indicator for 3/4w.	Crosley	ARL	ARL-227	U/W AN/ARC-7()
TS-274()/AR	Noise Generator	Buzzer for tuning radio receivers.		ARL		P/O AN/ARM-3 U/W AN/ARC-3
TS-275()/UP TS-275/UP	Echo Box	Resonant chamber, for alignment use or rotative frequency measurements in S sub W band.		USN		P/O AN/MPN-1A
TS-276()/AP TS-276/AP	Test Set	Radar test equipment, airborne, portable, for testing gate characteristics in range: 515 to 535Mc.		AAF ATSC		P/O AN/APM-16 U/W AN/APS-16
TS-277/AR	Interference Tester	"L" band fixed range for ignition interference measurement. Sensitivity:10μv into 50Ω. For monitoring airplane ignition system noise.	Geophysical Services 501	USN	N-277	
TS-278()/AP TS-278/AP	Test Set	Radar test equipment, consists of signal generator pulse modulated (410 to 420Mc) and frequency meter, for checking gate characteristics.	Elec Corp of Amer	ARL		P/O AN/APM-15 U/W RT-34/APS-13
TS-279/UPM	Dummy Load	Replaces magnetron during modulator check, 2700 to 2900Mc, 160w continuous, 1600w for 5sec.	AF Smuckler TS-279/UPM	SCL-7980		P/O AN/TPM-3 AN/MPM-7
TS-280()/TPS-3	Echo Box	Contains a resonant chamber designed for operation at 800Mc, also contains a probe and cable.		CESL-2301		P/O AN/TPS-3()
TS-281/TRC-7	Phantom Antenna	Uses 1a as load.		SCL	271-3103	P/O AN/TRC-7() U/W RT-53()/TR-7
TS-282()/TRC-5	Oscilloscope	Classified.		SCL		
TS-283()/TRC-5 TS-283/TRC-5	Tuning Meter	Ammeter, for antenna orientation; 0 to 1ma.		SCL	MIL-R-10109	P/O AN/TRC-5() AN/TRC-26()
TS-284/UR	Test Set	RF signal generator: 385 to 421Mc ±5%, 19Mc fixed, crystal calibrated. Modulation: CW, RF and FM pulse. Output: 10mw min with 600Ω load. For alignment of receivers and direction finders and detection and measurement of signal frequencies.	Espy Mfg Co	SCPD	271-2474	U/W SCR-658-()
TS-284A/UR	Test Set	Same description as TS-284/UR.	Seaview Electric Co FJ186	SCL-9695	MIL-T-10307	
TS-285()/GP TS-285/GP	Frequency Meter	Battery operated, 90 to 250Mc.	Lavoie Labs 150-S	QCD		U/W AN/TPT-1()
TS-286()/TRC-5	Test Panel	Telephone test equipment, contains 20 cycle ringing oscillator, 1000 cycle test oscillator, audio level meter and battery power supply.		SCL		P/O AN/TRC-5() U/W CY-263/TRC-5
TS-287()/GM TS-287/GM	Battery Tester	Voltmeter 0 to 7.5 and 0 to 150vdc with resistance load for testing radiosonde batteries.	Radio City Products SC-D-17155	SCL SCPD	71-4945	U/W AN/AMQ-1()
TS-288()/UPA-1 TS-288/UPA-1	Dummy Load	Used to balance out resistance of cable to Synchroscope TS-28/UPN.		USN		P/O AN/UPA-1()
TS-289()/U TS-289/U	Analyzer	Multitester, ac-dc voltage, 0 to 2.5/10/50/250/1000; dc current 0-0.1/1/10/50/250ma and 0 to 1/10A, 0 to 30MΩ resistance. Cancelled 27 October 1944. Use I-167.		QCD		P/O RC-68
TS-290()/U	Multitester	Portable 5000Ω/v, 0 to 2MΩ resistance; ac range: 0 to 600v, dc range: 0 to 1500v, 0 to 50ma.	Supreme Inc 542	QCD		U/W AN/TRC-2()
TS-291()/U TS-291/U	Volt Ohmmeter	Multitester, portable, 0 to 600vdc, 0 to 1MΩ, 1000Ω/v.	Simpson Electric 324 McClintock 3240	QCD		P/O I-56-A
TS-292/TRT-1	Dummy Load	Used for transmitter testing, thermocouple type.	Commun Meas Lab ES-D-54286	CESL	471-2261	U/W AN/TRT-1()

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TS-293()/CPA-5 TS-293/CPA-5	Range Calibrator	Supplies sync pulse of 120cps and range marker of 186,000cps (1/2 mile separation).		CESL-2319		P/O AN/CPA-5() AN/CPA-1(),2()
TS-294()/U TS-294/U	Volt Ohmmeter	5 ranges: 10/30/100/300/1000v ac, 6 ranges: 3/10/30/100/300/1000vdc, 6 steps 0.1Ω to 1000MΩ.	Voltohmyst 165	SPSMA SCL-6581	71-3249 (SIGC)	P/O AN/GPM-1 1E-9C
TS-294A/U	Volt Ohmmeter	5 ranges: 10/30/100/300/1000v ac, 6 ranges: 3/10/30/100/300/1000vdc, 6 steps 0.1Ω to 1000MΩ.	Radio City Products 664	SPSMA		P/O AN/GPM-1
TS-294B/U	Volt Ohmmeter	5 ranges: 10/30/100/300/1000v ac, 6 ranges: 3/10/30/100/300/1000vdc, 6 steps 0.1Ω to 1000MΩ.	Radio Corp of Amer Jr" 165A	SCPD		P/O AN/GPM-1
TS-294C/U	Volt Ohmmeter	5 ranges: 10/30/100/300/1000v ac, 6 ranges: 3/10/30/100/300/1000vdc, 6 steps 0.1Ω to 1000MΩ.	Espex Mfg Co 237	SCEL		P/O IE-9-C
TS-294D/U	Volt Ohmmeter	5 ranges: 10/30/100/300/1000v ac, 6 ranges: 3/10/30/100/300/1000vdc, 6 steps 0.1Ω to 1000MΩ.	Electronic Design Co R-100	SCL-5421		P/O IE-9-C
TS-294E/U	Volt Ohmmeter	5 ranges: 10/30/100/300/1000v ac, 6 ranges: 3/10/30/100/300/1000vdc, 6 steps 0.1Ω to 1000MΩ.	Electronic Design Co 237			U/W IE-9-C
TS-295()/UP TS-295/UP	Frequency Power Meter	Used to measure frequency and power of CW and pulsed signals in the S sub W frequency range. Similar to TS-3/AP and TS-3A/AP except for frequency range.	Western Electric Co	USN	WE-CO	
TS-295A/U	Frequency Power Meter	Frequency range: 3400 to 3900Mc 1 band, 12.5mw averages power extended to 5 to 125mw with cord CG-258/U.	Washington Institute 2998-1	USN	CS-678 (USN)	
TS-295B/UP	Test Set	Frequency and power measurements; frequency range: 3400 to 3900Mc, 0.5 to 12.5mw, with attenuators. 5 to 250mw.		USN	SHIPS-T-2074	
TS-295C/UP	Radar Test Set	Cancelled 2 April 1962.		N-62-X-879		
TS-296()/U TS-296/U	Multitester	Portable, ac, dc; 0.05 to 1000vac dc; .25μa to 1a, 0.1Ω to 1000MΩ.	Hickok Electrical Inst 312	QCD		
TS-297(XC)/U	Multitester	Cancelled.				
TS-297()/U	Multitester	Portable, ac, dc; 0 to 1500vac, dc; dc ma range: 0 to 150ma, 0 to 100,000Ω.	Minerva Corp of Amer	ATSC	MIL-10263	
TS-297()/U TS-297/U	Multitester	Portable, ac-dc 0 to 1000v; dc 0 to 400ma; 0 to 100,000Ω resistance.	Simpson Electric	PSCPD SCEL	MIL-10263	
TS-298()/U TS-298/U	Tube Tester	Dynamic, mutual conductance for standard receiver and transmitting tubes.	Espey Mfg Co 105	CESL		P/O AN/GPM-1
TS-299()/UP TS-299/UP	Test Set	Standing wave measurement, radar, measures from 1.2:1 to 2:1 within K-band.	Aircraft Radio Corp	USN	16M15 USN	
TS-300()/CRD-3 TS-300/CRD-3	Signal Generator	0.1 to 2Mc in 4 bands. Acts as target transmitter and simplified signal generator.	Fed Tele & Radio Corp	MPD	271-3175	P/O AN/CRD-3
TS-301()/U TS-301/U	Signal Generator	Output variable, 1μv to 20mv w/modulation external or internal up to 60%, frequency range: 7.6Mc to 330Mc, 5 ranges.	Fed Mfg & Eng 804-CS-1	SPSMS		
TS-302/APG	Test Set	Cancelled 3 March 1947.		AAF-ARL		U/W AN/APG-1,2,3, 15,16
TS-303()/G	Test Set	Radio maintenance, signal tracer 95 to 1700kc, to close eye 50μv, audio frequency: 150 to 50,000cps.	Radio Corp of Amer Chanalyst 162	SPSMA		
TS-303A/G	Test Set	Radio maintenance, signal tracer, 95 to 1700kc, to close eye 50μv, audio frequency: 150 to 50,000cps.	Radio Corp of Amer Chanalyst 162-C	SPSMA		
TS-303B/G	Test Set	Radio maintenance, signal tracer, 95 to 1700kc, to close eye 50μv, audio frequency: 150 to 50,000cps.	Reiner Electronics 303	SCL-9635		
TS-304()/AP TS-304/AP	Test Set	Cancelled 21 March 1945.		AAF		
TS-305/UP	Power Meter	0 to 1000w peak, frequency range: 215 to 330Mc.	Elec Corp of Amer	AAF ARL-46-R232		U/W AN/APN-3 AN/CPN-2
TS-305A/UP	Power Meter	0 to 1000w peak, frequency range: 220 to 320Mc.	Industrial Inst	AEL-51-228		U/W AN/APN-3 AN/CPN-2()
TS-305B/UP	Power Meter	0 to 1000w peak, frequency range: 220 to 320Mc.	Industrial Inst	USA AEL-53 158	MIL-P-5714A	U/W AN/APN-3(),84 AN/CPN-2()
TS-305C/UP	Power Meter	0 to 1000w peak, frequency range: 220 to 320Mc.	Electro Impulse Labs	USAF AEL	MIL-P-5714A	U/W AN/APN-3,84 AN/CPN-2,2A
TS-305D/UP	Wattmeter	To measure peak RF power. 220 to 320Mc in 6 steps. 0-50kw; prf from 620 to 9300cps. Input Z: 52Ω. Completely interchangeable with TS-305C/UP but better regulated VTVM supply.		AEL-57-12		U/W AN/APN-3 APN-8 CPN-2A
TS-306()/ARW TS-306/ARW	Test Set	Radio equipment, monitor, FM and AF. Range: 300 to 6230cps; 10 channels, RF range: 30 to 75Mc and 132 to 140Mc for adjusting oscillator circuits.	FM Link	USN	CS-67A (BuShips)	U/W AN/ARW-2,14
TS-307/ARW	Dummy Load	Power measurement: 0 to 50w; frequency range: 30 to 75Mc, 50Ω.	FM Link 1696-2	USN	CS-67A (BuShips)	U/W TS-306()/ARW
TS-308()/U	Frequency Standard	Secondary, using temperature controlled 100kc crystal, gives 10/50/and 100kc.	Ray Jefferson	SPSMA	271-3061	P/O AN/FSM-1()
TS-309/U	Sweep Generator	For use with scope in alignment of wide band amplifier, (500kc or wider at 70% response). Frequency range: 5 to 65Mc.	Radio Corp of Amer MI-18709-R	FMSL		P/O RC-271

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-310()/UP TS-310/UP	Echo Box	Used for alignment and making rotative frequency measurements over X sub L band.	Western Electric Co X66369A	USN		
TS-311()/UP TS-311/UP	Echo Box	Used for alignment and making rotative frequency measurements over X sub L band.	Western Electric Co X66161A	USN		
TS-311A/UP	Echo Box	Used for alignment and making rotative frequency measurements over X sub L band.	Western Electric Co X63629B	USN	CS-533 (NAVY)	
TS-311B/UP	Echo Box	8730 to 8910Mc. Input tuned for ringtime, frequency, spectrum analysis, input untuned for power indication, meter sensitivity. 180° graduated scale.	Johnson Service Co 50536	USA USN	MIL-E- 16164	
TS-312()/FSM-1	Audio Oscillator	Checks beat frequency between crystal and secondary standard 20cps to 200kc.	Hewlett-Packard 200RC	SPSMA	271- 3061	P/O AN/FSM-1()
TS-312A/FSM-1	Audio Oscillator	Crystal test, to check beat frequency between crystal and secondary standard 20cps to 200kc.		SCLM- 1237		
TS-313()/U	Test Set	Multitester battery and condenser leakage tester and tube checker, tube checker indicates good-bad, 7dc, range: 6 to 2500v, 5ac, range: 0 to 1000v, 0.1 to 10a, 0 to 20kΩ.	Supreme Inc 504-A	SPSMA	TE-11- 2517	
TS-314()/FSM-1	Crystal Test Set	Used to test crystals during hand finishing (0 to 10Mc) by comparison with standard.	Ray Jefferson AF-30	SPSMA	271- 3061	P/O AN/FSM-1()
TS-315()/FSM-1	Pyrometer	Crystal equipment, temperature test of crystals while being checked for temperature coefficient.	Lewis Engineering 19P02	SPSMA	271- 3061	P/O AN/FSM-1()
TS-316()/U	Sweep Generator	Marker generator for use with oscilloscope to view pulses of short duration. Cancelled 22 June 1945.		CESL		U/W BC-1060-() I-134-()
TS-317()/U TS-317/U	Signal Generator	100kc to 1500kc every 100kc and from 1000kc to 100Mc every 1000kc; 400cps modulation; crystal controlled. 0.5 tc100000 μv on every range.	Hickok Electrical Inst 19X	SPSMA		
TS-318()/UP TS-318/UP	Field Intensity Meter	1.55 to 2.55Mc. For CW, pulsed or Loran (at 20 to 35pps) signals. Includes 50μsec pulse generator. Has CRT display. Requires 6vdc or 110vac at 60cps and 10a. U/W Loran receivers.	Washington Institute	USN	RE-134 1031A (BuShips)	U/W DBS,DAS,OAS-1, 2,3,4,&OBE
TS-319/URM-1	Sound Test Box	Hydrophone testing, sound source modulated with external audio signal generator.		USN		P/O AN/URM-1()
TS-320()/URM-1 TS-320/URM-1	Hydrophone Magnetizer	Hydrophone testing, for magnetizing magnetostriction hydrophones.		USN		P/O AN/URM-1()
TS-321/URM-1	Tuning Test Case	A modified Radio Set AN/CRT-4() transmitter test case which has operatures to permit tuning of transmitter while in case.	Emerson Radio E-5385	USN		P/O AN/URM-1C()
TS-322/URM-1	Voltage Injector	Voltage source, for testing the direction indicator on receiver, AN/CRT-4() Equipment.		USN		P/O AN/URM-1()
TS-323/UR	Frequency Meter	Heterodyne type 20 to 450Mc, crystal calibration.	Gertsch Products Inc FM-1 Hoffman Radio Corp	USN		
TS-324()/U TS-324/U	Oscilloscope	5" screen, 15 to 30,000cps range, vertical deflection 0.07v rms/inch; general purpose use.	Dumont Labs 241	SCL- 8168		
TS-325()/U	Multitester	Ammeter, 0 to 50μa meter, multipliers extend range to 1000μa.	Simpson Electric 284			P/O AN/CRC-3() U/W AN/CRC-2(), 13()
TS-326()/U TS-326/U	Test Oscillator	50 to 100Mc, accuracy: 0.05%; audio modulation: 300 to 3000cps.	Delco	USAF ARL-48- R318	71-5056	U/W AN/CRW-2,2a, 5,7
TS-326A/U	Test Oscillator	50 to 100Mc, accuracy: 0.05%, audio modulation: 300 to 3000cps.		USAF AEL-48- R612		U/W AN/CRW-2,2a, 5,7
TS-326B/U	Test Oscillator	50 to 100Mc, accuracy: 0.05%, audio modulation: 300 to 3000cps.		AEL-51- 320		
TS-327()/URW	Test Set	Relay test equipment for radios, uses indicator lights to show relay action.		AAF- ARL-4260		P/O AN/SRW-2() U/W RE-30()SRW2,5()
TS-328()/U TS-328/U	Frequency Meter	Consists of 9 vibrating reeds, dial marked 380 to 420cps.	Western Electric Co JBT Instrument Co BL-105975	USN		P/O AN/TPS-1B
TS-328A/U	Frequency Meter	Consists of 9 vibrating reeds, dial marked 380 to 420cps.	JBT Instrument Co 33FP-9M	USA SCLM- 7026		
TS-328B/U	Frequency Meter	Consists of 9 vibrating reeds, dial marked 380 to 420cps. Replaced by TS-934()/U.	Winslow 361	USA SCLM- 7026		
TS-329()/U TS-329/U	Dummy Antenna	Non-inductive resistance, 50Ω in series with thermocouple ammeter, 0 to 0.5a.	Western Electric Co ES-694259			U/W AN/ARC-1() AN/ARC-4 series
TS-330()/TSM TS-330/TSM	Crystal Impedance Meter	1 to 15Mc in 7 bands. Tests crystal units which may be oscillated at either series or anti-resonance frequency.	Radio Frequency Labs 459	SCL- 8571	71-3376	P/O AN/TSM-3
TS-330A/TSM	Crystal Impedance Meter	0.8 to 15Mc, can be operated at either series or anti-resonant frequency.	Radio Frequency Labs CEL	SCLM- 7496	MIL-T- 12555A	P/O AN/TSM-3
TS-331/UR	Signal Generator	40 to 500Mc. Output: 0.1μv to 1v through 50Ω. Modulation: 400 and 1000cps sine wave. Indicators: voltmeter and modulation percentage.	United Cinephone Corp 8238	USN		
TS-332/UP	Dummy Load	X-band, is a section on small size waveguide, SWR: less than 1.05 to 1.		USN		P/O AN/CPN-6()
TS-333()/AP TS-333/AP	Spectrum Analyzer	K-band, for Fourier analysis on radar spectrum, also for Q and SWR measurements and RT and TR tuning.		USN		

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TS-334()/UP TS-334/UP	Echo Box	Hand tuned for power and rotative frequency measurements in S sub W and S sub H-bands. Cancelled 27 May 1946.	Western Electric Co X66403B	USN		
TS-335/MPM	Dummy Load	S-band, to radiate RF so radar is silent during test.		CESL		P/O AN/MPM-10 U/W SLR-615-T1, A and B
TS-336()/GSM-1 TS-336/GSM-1	Magnet Charger	A charger and demagnetizer for meter magnets. Provides 50,000a crest current through secondary of magnetizing transformer. Coil rating is 1000va at 50% duty cycle.	Westinghouse Electric 1343976	SCL		P/O AN/GSM-1
TS-336A/GSM	Magnet Charger	Meter test equipment, 2 units, meter magnet charger and demagnetizing coil.	Radio Frequency Labs 396 Espey Mfg Co 24.038	SCL-8891	71-1689 (ARMY)	
TS-337()/TND-1	Test Set	Name changed to TS-337()/TND-2		SCL		U/W AN/TND-1()
TS-337()/TND-2	Calibrator	For sound direction test, provides correction for CRT check and check of overall sensitivity.		CESL		U/W AN/TND-2()
TS-338/UP	Dummy Load	S-band, is section of waveguide, dissipates 600w average, 1Mw peak.	Bernard Rice & Sons Radiation Labs 2663 General Electric Co T7665295			
TS-339/UP	Slotted Section-Probe	Standing wave measuring equipment, S-band, has probe and detection meter.	Bernard Rice & Sons Radiation Lab	USN		U/W TS-125/AP
TS-340()/U TS-340/U	Voltmeter	0 to 150/300/750v ac or dc (ac: 25 to 400cps) ±0.5%fs. 77Ω/v sensitivity and 9.75/3.9/1.95va power consumption sensitivity. Magnetically shielded.	Daystrom Inc 182092	SIMSA-60-2732		U/W AN/TPS-1B
TS-341()/TRA-16	Emission Test Unit	Tube test equipment, passive network, contains means to reduce filament voltages.		SCL-5128A	SigC 471-3237	P/O MD-51()/TRA-16 U/W AN/TRA-16()
TS-342()/TRA-16	Emission Test Unit	Tube test equipment, passive network, contains means to reduce filament voltages.		SCL-5137A	SigC 471-3237	P/O MD-51U/TRA-16 U/W AN/TRA-16()
TS-343()/U TS-343/U	Signal Generator	15 to 60Mc, 2 bands, modulation: 400 and 8200cps AM, 30% CW, output: 1 to 100,000#v.	Measurements Corp 78-F	MPD		U/W AN/MPM-2
TS-344()/UP TS-344/UP	Reflectometer	Cancelled 27 May 1946.		USN		
TS-345()/ART-22 TS-345/ART-22	Test Set	Signal generator, provides artificial video, composed of artificial noise and variable length gate.		USN		U/W AN/ART-22
TS-345A/ART-22	Test Set	Signal generator, provides artificial video, composed of artificial noise and variable length gate.	Hazeltine Electronics A-5742-1,2	USN	16-T-44 (Aer)	
TS-346/UP	Test Load	Dummy load, Sg band, for absorbing of RF.		USN		U/W AN/APS-20
TS-347()/APS-20 TS-347/APS-20	Time Meter	Clock, 24vdc, records 9,999 hours to measure elapsed time of operation of radar.		USN		P/O AN/APS-20
TS-348()/AP TS-348/AP	Test Set	Signal generator, 2400 to 3650Mc, FM, for aligning sights of guns with radar and optical sights.	DANE Electrical Co TGS-6 DE	AAF ARL-46-R226		U/W AN/APG-15()&5() AN/APX-15()
TS-348A/AP	Test Set	Signal generator, 2400 to 3650Mc, FM, for aligning sights of guns with radar and optical sights.	Sylvania Electric Co		71-5056	P/O AN/APG-15()
TS-349()/UP TS-349/UP	Echo Box	Hand tuned 1/4 wave, shorted resonant coax line, rotative frequency measurements make possible spectrum analysis.		USN		
TS-350()/UP TS-350/UP	Converter	Frequency; for use with RCA chanalyst test set TS-303A/G, increases range from 1600kc to 60Mc.	Radio Corp of Amer 164	SPSMA		U/W TS-303A/G
TS-351/APM-12	Multiplier	dc; contains 1 IRC 20M resistor for use with 0 to 20kv dc meter. Cancelled 25 January 1945.		ARL		P/O AN/APM-12 U/W SB-9/APM-12
TS-352()/U TS-352/U	Multitester	Portable; 0 to 2.5/10/50/250/500/1000vdc; 0 to 2.5/10/50/250/500/1000vac; 0 to 250μa dc and 0 to 2.5/10a, dc, 0 to 10MΩ; 5 ranges.		AAF ARL-46-401	AAF-R-7090-A	
TS-352A/U	Multitester	Same description as TS-352/U.		AEL-51-R265	MIL-M-4269	
TS-352B/U	Multitester	Same description as TS-352/U.	Phaostron Co	AEL	MIL-M-4269	
TS-353/UP	Waveguide Probe	Choke, X-band, used for automatic frequency control alignment.	Radiation Labs C12468-A,B	CESL		P/O AN/TPS-10() AN/MPM-13
TS-353A/UP	Waveguide Probe	Plate used for X-band automatic frequency control alignment.	Zenith Radio SG-5227	WL-45-210		P/O AN/TPS-10A
TS-354/UP	Frequency Meter	Frequency measurements, 3 units, 29/30/31Mc.	Radiation Labs C-11503-A-F	CESL		P/O AN/TPS-10() AN/CPS-6()
TS-355()/UP TS-355/UP	Test Set	Frequency, power measurement, radar equipment and test scope for receiver and transmitter measurements.	Harvey-Wells Elec	USN		U/W AN/APX-13,13A
TS-355A/UP	Test Set	Radar test equipment, 150 to 240Mc, check sensitivity of receiver and frequency and power measurement in this range.	Hazeltine Electronics A-5641-1,2	USN	16T35 (RE)	
TS-356()/UP TS-356/UP	Probe Assembly	Consists of 1' to 4" length of RF cable, RG-5/U, terminated in jack.		USN		P/O TS-172()/UP
TS-357()/ASG-10 TS-357/ASG-10	Test Set	Computer test equipment, used to check operating cycle and adjustment of gyro and resistor in AN/ASG-10().		USN		U/W AN/ASG-10()

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TS-358()/UP TS-358/UP	Range Calibrator	Crystal type, portable, time equivalents 1/ 5/10/50 miles, ±0.05% or 15 yds (whichever is greater).		USN	16C20 (RE)	
TS-359()/U TS-359/U	Voltage Divider	For dividing modulator voltage pulse for synchroscope viewing; can handle 35kv pulse.	General Electric Co K-8396141	CESL WL-45-R2162		U/W AN/CPS-6 AN/MPM-17
TS-359A/U	Voltage Divider	For dividing modulator voltage pulse for synchroscope viewing, can handle 35kv pulse.	General Electric Co	WL-45-409		U/W AN/CPS-6A
TS-359B/U	Voltage Divider	For dividing 2 leads; 50:1 and 100:1 are available, capable of handling 35kv peak.		WL-50-1894		P/O AN/UPM-18
TS-360()/U TS-360/U	Dummy Load	To terminate high power modulator, load consists of 8 resistor, 100Ω, 120w.	Radiation Lab	CESL		P/O AN/CPS-6 AN/MPM-17
TS-361()/U TS-361/U	Adapter	Receiver test, method for measuring 2nd detector current in radar receiver.	Radiation Lab	CESL		P/O AN/CPS-6 AN/MPM-17 U/W TS-199/CPM-4
TS-361A/U	Adapter	Receiver test, method for measuring 2nd detector current in radar receiver.	Magnovox Co	WL		P/O AN/CPM-11() AN/MPM-17
TS-362/ASG-10	Test Set	Computer test equipment for various checking of functions of set, circuit check.		USN		U/W AN/ASG-10()
TS-363()/U TS-363/U	Voltmeter	VTVM; 0 to 1/3/10/100 ac-dc; high impedance probe for ac.	Bendix Radio Div	CESL		U/W AN/MPG-1()
TS-363A/U	Voltmeter	VTVM; 0 to 1/3/10/100 ac-dc; high impedance probe for ac.	Telectro Ind TM-101	SCPA		
TS-364()/APX-15 TS-364/APX-15	Test Set	Signal generator equipment, provides AM for pulse type radar frequency signals, will modulate a frequency of 2500 to 2700Mc.	Radiation Lab	AAF-AMC		U/W AN/APX-15
TS-364A/APX-15	Test Set	Signal generator equipment, provides AM for pulse type radar frequency signals, will modulate a frequency of 2500 to 2700Mc.		AAF ARL-45-248		U/W AN/APX-15()
TS-365()/GT TS-365/GT	Handset	Lineman's; with dial, switch and clips.	Western Electric Co 1011BW	SPSMA SCL		P/O TE -56
TS-365A/GT	Handset	Lineman's with dial and switch.	St Carl	SPSMA		
TS-365B/GT	Handset	For testing and general supervisory purpose on all Strowger, step by step switching equipment.	Autonetic L-965-A0	SCL-9219		P/O AN/FTC-4(),5()
TS-366A/TPS-10	Dummy Load	For testing modulator, provides a 50Ω non-inductive load.	Zenith SG-5178	WL-45-609	C-7400 (AAF)	P/O AN/TPS-10A
TS-366B/TPS-10	Dummy Load	For testing modulator, provides a 50Ω non-inductive load.	Munston Mfg Co	WL-45-1536	EXH: WLENG-2077	P/O AN/TPS-10A
TS-366C/TPS-10	Dummy Load Electrical	320w average, 7500v peak power dissipation, 0 to 2Mc; frequency range: 50Ω Z.	Artisan Electric DL-20202	WL-56-R-2235		U/W AN/TPS-10A
TS-367()/U	Oscilloscope	Monitors audio output of Modulator MD-58()/ARA-14; can be used as test oscillator.		ARL		U/W AN/ARA-14()
TS-368()/G	Hybrid Unit	Hybrid connection for fault location, used to get visual indication of line condition past a repeated station.		SPSGW		U/W TS-249()/G TS-269()/G
TS-369()/G	Terminating Unit	Fault location, allows opening, looping or reversing of 4 wire carrier for fault location.	Weston Electrical Inst	SPSGW		U/W TS-249()/G TS-368()/G
TS-375/U	Voltmeter	VTVM; ac/dc 1.2/3/12/30, 120v+300vdc, 10 to 300Mc for ac measurement.	Weston Electrical Inst	USN	16V2RE (BuShip)	
TS-375A/U	Voltmeter	VTVM; ac/dc 1.2/3/12/30, 120v+300vdc, 10 to 300Mc for ac measurement.	Weston Electrical Inst	USN	17v4 (Aer)	
TS-376()/U TS-376/U	Voltmeter	Output, ac rectifier type, 0 to 150v, portable.	Triplett Electrical 650SC	SCL-C-257	71-810B	P/O I-56-C I-56-F I-56-J
TS-376A/U	Voltmeter	Output, measures AF output voltage, 0 to 150v; 5 ranges.	Espey Mfg Co 103	SCL-C258		P/O I-56-D I-56-H
TS-376B/U	Voltmeter	Primarily for checking output voltages of a radio set during alignment procedure. 5 ranges for AC and AF measurements; 1.5/6/15/60 and 150v.	Western Electric Co 571	SCL-C258		P/O I-56-C,F,J
TS-377()/U TS-377/U	Reflectometer	Power and VSWR measurement: 264 to 372Mc, includes μa meter.		USN		U/W AN/ART-22()
TS-378/UP	Pressurizing Plate	Waveguide, accessory, to seal section of S-band waveguide.	Bernard Rice & Sons Radiation Lab	USN		U/W AN/APS-20()
TS-379()/U TS-379/U	Audio Oscillator	30 to 15,000cps, 1mw into 600Ω for transmission measuring set.	Western Electric Co 19C	SCL		P/O I-120-()
TS-379A/U	Audio Oscillator	30 to 13,000cps, 1mw into 600Ω for transmission measuring set.	Western Electric Co D-166-363	SCPD		P/O I-120-()
TS-379B/U	Audio Oscillator	30 to 15,000cps, 1mw into 600Ω for transmission measuring set.	Western Electric Co D-166-363	SCL-8108		P/O AN/FCM-2()
TS-380()/U TS-380/U	Multitester	Portable, ac-dc, 0 to 3/15/30/150/300v; dc 0 to 150ma, 0 to 3a/15a; 0 to 1MΩ.	Western Electric Co D-166852	SCL PEA		U/W AN/TTQ-1(),2()
TS-380A/U	Multitester	Portable, ac-dc, 0 to 3/15/30/150/300v; dc 0 to 150ma, 0 to 3a/15a; 0 to 1MΩ.	Western Electric D-166852	SCL 8107		P/O AN/FCM-2()
TS-381()/U	Dummy Antenna	For transmitter testing 2 to 20Mc.		ARL		P/O AN/ARM-2

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TS-382()/U TS-382/U	Audio Oscillator	20 to 200,000cps in 4 bands; output: 100mw into 1000Ω.	Hewlett Packard 200C*	ARL		P/O AN/ARM-2 AN/APM-54
TS-382A/U	Audio Oscillator	Same description as TS-382/U	Telectro Ind Specialty Electronics 382	ARL-47-164		
TS-382B/U	Audio Oscillator	Same description as TS-382/U.		AEL-50-	71-5056A	
TS-382C/U	Audio Oscillator	Same description as TS-382/U.	Specialty Packing Co	AEL-52-56	MIL-A-4291	
TS-382D/U	Audio Oscillator	Range: 20 to 200,000cps, 3 bands. Output: 0 to 10v, 7 ranges, across 1000Ω. Contains BNC output connector.	Travler Radio Corp	USA AEL-52-364	MIL-A-4291	
TS-382E/U	Audio Oscillator	Same description as TS-382/U.	Carol Electronics	AEL-54-733	MIL-A-4291 MIL-T-945A	
TS-382F/U	Audio Oscillator	Same description as TS-382/U.		AEL-56-144		
TS-383()/GG TS-383/GG	Distortion Test Set	Teletypewriter equipment for transmitting test message, R,Y,T,O,M,V.	Teletype Corp DXD-4	SPSGW USN		U/W TG-7B TG-37-B TG-26-() TG-27-()
TS-383A/GG	Distortion Test Set	Teletypewriter equipment for transmitting test message, R,Y,T,O,M,V.	Teletype Corp DXD4-DTS	SCPA		
TS-383B/GG	Distortion Test Set	Teletypewriter equipment for transmitting test message, R,Y,T,O,M,V.	Teletype Corp BXD4-MU26	SCL-10542		
TS-384/TSM	Standard Oscillator	Crystal test equipment by Pierce oscillator circuit.		SCL	MIL-O-12617	P/O AN/TSM-4()
TS-385()/U TS-385/U	Test Set	Frequency measurement: 376 to 418Mc, accuracy: 0.3Mc.	Farnsworth Electronics 97-5504	SCL SPSNA		P/O SCR-658-()
TS-386/U	Hydrometer	Not applicable.		SCL		U/W BB-207/U BB-54-A
TS-386A/U	Hydrometer	Not applicable.		SCL 7137	USA 70-501	
TS-387/U	Test Set	Telephone test equipment for checking carbon and magnetic headphones, consists of oscillator and output meter.	Hickok Electrical Inst	USN		
TS-388()/AP TS-388/AP	Test Set	Cancelled 21 March 1949.		USAF AEL-49-C199		P/O AN/ARM-19
TS-389()/U TS-389/U	Multitester	Portable. 0.05 to 1000v ac-dc, 0 to 1000MΩ, 25μa to 1a. All ranges in 6 steps. 5MΩ/v ac and 14MΩ/v dc. Sensitivities. Approximate 2% accuracy.	Hickok Electrical Inst 202	SCL		P/O IE-9-C
TS-390/TPM-4	Voltage Divider	Radar test; allows oscilloscope viewing of the pre-pulse from keyer to modulator of set.	Western Electric Co	CESL		P/O AN/TPM-4() U/W AN/TPQ-2()
TS-391/TPM-4	Crystal Mount	Cancelled 9 April 1945; use MT-451/UP.		CESL-2897		
TS-392()/CRN-12 TS-392/CRN-12	Dummy Antenna	For homing beam equipment.	Gardner Wells & Co	ATSC		P/O AN/CRN-12()
TS-393()/U TS-393/U	Test Set	Multitester dc v to 10/50/250/500/1000Ω/v 10,000dc, 2000ac; dc ma: 0 to 1/10/50/250; resistance: 0 to 500/1500Ω and 1.5/15MΩ.	Triplett Electrical 1183SC	SCL		P/O I-56-J
TS-394()/U TS-394/U	Multitester	Portable, 0 to 3/30/300/600/1500vdc; 0 to 1/1000/10,000/100,000Ω; 0 to 1MΩ. Cancelled 9 July 1945.	Triplett Electrical 666SC	SCL		P/O I-56-C I-56-J TE-48
TS-395()/U TS-395/U	Multitester	0 to 3/30/300/600/1800vdc; at 1000Ω/v; 0 to 1MΩ/10MΩ/100MΩ/ 1MΩ. Cancelled 11 June 1945. RA TS-376A/U.		SCL		P/O I-56-D&H
TS-396()/U TS-396/U	Output Meter	Cancelled 11 June 1945.				
TS-397()/U TS-397/U	Test Set	Multitester and tube tester (emission type) voltage range: 0 to 10/50/250/500/1000 ac-dc; 0 to 0.15/1.5/15MΩ, resistance: 0 to 1/10/50/250ma dc.	Espey Mfg Co 104	SCL	71-810	P/O I-56-D&H
TS-398()/UP TS-398/UP	Echo Box	Hand-tuned shorted resonant coax line, measures frequency and power of SA,SC,SK,SR radars.		USN	CS-177	
TS-399()/U TS-399/U	Decibel Meter	Range: -45dbm to +10dbm, with 600Ω circuit.	Western Electric Co 13A	PEA		
TS-399A/U	Decibel Meter	Range: -45dbm to +10dbm, with 600Ω circuit.	Western Electric Co 13A(SPL)	SCPA		P/O I-120-()
TS-400()/U TS-400/U	Decibel Meter	Range: -45dbm to +10dbm, with 600Ω circuit.	Western Electric Co 3LA or X66065B	PEA		
TS-401()/U TS-401/U	Oscillator	AF, 2kc to 79kc variable.	Western Electric Co 51A or 66065B	PEA		
TS-402()/U	Attenuator	Variable, 600Ω ±10Ω up to 100kc; 0.2w continuous; 0.5w for short periods.		SCL-6915	SC 71-3355	P/O AN/FCM-2()
TS-402A/U	Attenuator	Balanced H, 600Ω Z, 0 to 50kc ±0.2db, 0 to 100kc, ±0.3db, 0.2w continuous; 0.5w int.	Daven Co A-1376	SCL-7978	71-3355 (ARMY)	P/O AN/FCM-2()
TS-403()/U TS-403/U	Signal Generator	1.8 to 4kMc, ±1%. Output: 0 to -120dbm across 50Ω. Modulation: CW, internal pulse (40 to 4000prf, width 0.5 to 10μsec), internal FM (power supply frequency), external square wave (single or multiple) 40 to 70v peak.	Hewlett-Packard	USN	BuAer 16G4 (Aer)	

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-403A/U	Signal Generator	Same description as TS-403/U.	Hewlett-Packard TS-403A/U	USN	16G4 (AER)	P/O AN/URM-61
TS-403B/U	Signal Generator	Same description as TS-403/U	Transitron Inc D-0153-03006	USN	MIL-T-18197 (AER)	P/O AN/URM-61A
TS-404()/APG TS-404/APG	Range Calibrator	Frequency range: 1475 to 1525Mc, simulates doppler effect in an RF carrier wave. Cancelled 9 July 1950.		USN		
TS-405/U	Line Test Section	Standing wave measuring equipment, a section of RF parallel transmission line with Z_0=140Ω.		WL		P/O AN/MPM-8
TS-406()/U TS-406/U	Test Oscillator	Receiver test equipment; range: 1000 to 3500Mc, pulsed output put at rep rate of buzzer (approx 1500cps).		USN		
TS-407()/AMQ-2	Aerograph Calibration Set	A master self synchronous unit, with cables.	Bendix Aviation 599-66C-B	FMSL		U/W AN/AMQ-2()
TS-408()/UP	Echo Box	Untuned K-band echo box (multiresonant ringing).		CESL-2825		P/O AN/TPM-4() U/W AN/TPQ-2()
TS-409()/ARN	Test Oscillator	Marker beacon receivers, alignment provides radiated and transmission line outputs, range: 75Mc to 335Mc, 13 bands		ARL		U/W RC-193-() AN/ARN-12,5A
TS-410()/GRD-1A TS-410/GRD-1A	Calibrator	Calibrates bearing scale on CRT, the output of a sine wave potentiometer is connected to vertical and horizontal plates.	Amer Meas & Control D-5,6,jog827	CESL	ESL-2110	U/W AN/GRD-1A
TS-410A/GRD-1A	Calibrator	Calibrates bearing scale on CRT, the output of a sine wave potentiometer is connected to vertical and horizontal plates.	Industrial TV 98T	SCLM-P558	SC-DL-99818	U/W AN/GRD-1A
TS-411()/CPS-4 TS-411/CPS-4	Dummy Load	Used in place of transformer, magnetron combination to provide full load when testing modulator.	General Electric	WL-45-134		P/O AN/CPS-4()
TS-411A/CPS-4	Dummy Load	For use as load on modulator, 1200w max dissipation, 2Mc/sec.		WL-51-2174		P/O AN/CPS-4
TS-412/TSM	Crystal Test Oscillator	Crystal test equipment, measures resistance and frequency of Crystal Unit CR-8B/U; 1 to 1 to 60Mc.		SCL		P/O AN/TSM-3()
TS-413()/U TS-413/U	Signal Generator	75kc to 40Mc ±1% in 6 bands. Output: 0 to 1rmsv in 6 ranges. Output Z: 5 to 500Ω. Modulation: 400 and 1000cps internal AM, provision for external AF to provide at least 30% AM with less than 10 audio volts. Has crystal controlled heterodyne oscillator.		AAF ARL-47 163		
TS-413A/U	Signal Generator	Same description as TS-413/U.	Harvey-Wells Elec	AEL-50-425	7156-B Amend. 1&2	
TS-413B/U	Signal Generator	Same description as TS-413/U.	Cole Instrument Co	AEL-50-774	7156-B & Amend 1	
TS-413C/U	Signal Generator	Same description as TS-413/U.	Stamford Electronics	AEL-52-55	7156-B & Amend 2	
TS-414()/U TS-414/U	Dynamotor Test Set	Power supply test, class B maintenance, measures voltage and current input and output and ripple of single or multiple output machines.	Hudson American Corp	ARL	71-5056	P/O AN/ARM-2
TS-415/U	Analyzer	Bridge (capacity-resistance) 2μμf to 200μf; 2Ω+0, 20MΩ.	Clough-Brengle Co 230	FMSL SPSTM-1	SCL-1059	
TS-415A/U	Analyzer	Bridge (capacity-resistance) 2μμf to 200μf; 2Ω+0, 20MΩ.	General Electric CRB-1 (PM-9)	SPSTM-1		
TS-415B/U	Analyzer	Capacity-resistance measurement, 10μμf to 2000μf; 100Ω; 7.5MΩ.	Solar Mfg Co CE-1-60	SCL		
TS-415C/U	Analyzer	Bridge (capacity-resistance) 2μμ to 200μf; 2Ω to 20MΩ.	Clough-Brengle Co 330A	SCPP		
TS-416()/AP TS-416/AP	Test Set	Radar test set, contains signal generator, Frequency meter, barretter bridge, variable attenuator and scope.	PRD Electronics	USN		U/W AN/APN-11()
TS-417()/U TS-417/U	Video-Synchro Test Set	For PPI circuit checker, contains If synchro generator with video trigger and pulse generator.		USN		
TS-418()/U TS-418/U	Signal Generator	0.4 to 1kMc ±1%. Output: 0 to -120dbm ±2db across 50Ω. Modulation: CW, internal pulse (40 to 400prf, width 0.5 to 10μsec), external square wave (single or multiple by signals 40 to 70v peak), also external pulse.	Lavoie Labs	USN	16G6 (Aer)	
TS-418A/U	Signal Generator	Same description as TS-418/U	Lavoie Labs	USN	16G6 (Aer)	
TS-418B/U	Signal Generator	Same description as TS-418/U	Lavoie Labs	USN		P/O AN/URM-49
TS-418C/U	Signal Generator	0.394 to 1kMc ±1%. Output: 0.2μv to 0.2v across 50Ω. Otherwise same description as TS-418/U.	Lavoie Labs K95400220	USN	MIL-G-17995 (Aer)	P/O AN/URM-49A
TS-419()/U TS-419/U	Signal Generator	0.9 to 2.1kMc ±1%. Output: -3 to -120dbm ±2db across 50Ω. Modulation: CW, internal pulse (40 to 4000prf and 0.5 to 10μsec width), external pulse (single by signal of 40 to 70v peak).	Aircraft Radio Corp	USN	BuAer 16G5 (Aer)	
TS-419A/U	Signal Generator	Same description as TS-419/U.	Transitron Inc A-0161-04037	USN	MIL-G-17994 (Aer)	P/O AN/URN-64A

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TS-420()/U TS-420/U	Test Set	500cps tone with 7cps warble rate. For testing and identifying cable wires.	Western Electric Co 76A	SCL		
TS-420A/U	Test Set	Same description as TS-420/U.	Western Electric Co 76C	SCL-7621		P/O TE-56 U/W BC-1388-()
TS-420B/U	Test Set	Same description as TS-420/U.	Western Electric Co 76C(w/JAN parts)	SCL-7622		P/O TE-56 U/W BC-1388-()
TS-421()/U TS-421/U	Audio Oscillator	Signal generator, audio, 20 to 20,000cps, 5w output.	Hewlett Packard 205AG	SCL PEA 219		
TS-421A/U	Audio Oscillator	Signal generator, audio, 20 to 20,000cps, 5w output.	Hewlett-Packard HO2-205AG	SIMSA PEA		
TS-422()/U TS-422/U	Signal Generator	25 to 75Mc in 2 bands and 150 to 230Mc in 2 bands. Output: 0.7v max. Output Z: 30Ω. Modulation: 400 and 1000cps at 30%.	Ferris Instrument Co 18F	CESL		P/O RC-125-A U/W SCR-545-A
TS-423()/TPQ-3 TS-423/TPQ-3	Orientation Oscillator	Oscillator, for orientating telescope with antenna, 600Mc ±10Mc.	Arnie	ESL-3491	71-2416 (SigC)	P/O MX-423/TPS-3 U/W AN/TPS-3()
TS-424()/APX TS-424/APX	Test Set	Radar, malfunction, for S and G band, receiver sensitivity, transmitter frequency and power output.				U/W TN-103/APX
TS-425()/U TS-425/U	Tube Tester	Portable, 10 to 1000v ac-dc continuity, check and bat test.	General Electric PC3	CESL		P/O RC-234-() U/W SCR-584-B
TS-426()/U TS-426/U	Standing Wave Detector	Consists of piece of RG-52/U with cover plate and choke.	Zenith	WL		P/O AN/TPM-6()
TS-427()/PCM TS-427/PCM	Signal Generator	BFO type, 100 to 35,000cps with 0 beat control. Ra SG-15()/PCM. Cancelled 18 June 1947.	Hewlett-Packard	SCL	CCSL-3053	P/O TS-140/PCM
TS-428()/PCM TS-428/PCM	Decibel Meter	Measures signal levels between -40dbm to +20dbm, 200 to 35,000cps. Ra ME-22()/PCM. Cancelled 18 June 1947.		SCL	CCSL-3053	P/O TS-140/PCM
TS-429()/TRC-6 TS-429/TRC-6	Radio Frequency Wattmeter	Power measurement, measures average power 0.1 to 2.0mw, 4350 to 4800Mc inclusive. Cancelled 15 May 1947.	Western Electric Co X66976A	SCL-5609-A		P/O AN/TRC-6()
TS-430()/U TS-430/U	Wattmeter	Power measurement dc/ac, 25 to 125cps, 0 to 3kw scale, 3-6/15kw range at 30a, 6-12/30kw range at 60a.	Weston Electrical Inst 310-1	SPSMB		
TS-431/AP	Test Set	Used to check operation of "X" band radars. Provides an artificial delay system for calibrating range and tracking functions; provides a simulated doppler effect.		USN		U/W AN/APM-23()
TS-432()/U	Noise-Field Intensity Meter	150 to 350kc and 0.54 to 20Mc, 1μv to 1000mv as VTVM or 2μv/meter w/whip antenna.	Ferris Instrument Co 32A	USN		
TS-433()/U TS-433/U	Electronic Switch	Square wave generator, switching rate 10 to 200/sec, portable.	Dumont Labs 185	SPSOR	MIL-E-11702	
TS-433A/U	Electronic Switch	Square wave generator, limit of usefulness 100,000cps, as generator 10 to 500cps 30v peak.	Dumont Labs 185A	564-21		
TS-433B/U	Electronic Switch	Single ended output, 100,000cps useful limit, switching rate 6 to 2000cps.	Dunbrow Development 118	SCL-8295	71-3381 ARMY	
TS-434()/UP TS-434/UP	Computer Calibrator	Range calibrator, to calibrate range circuit of Control-Computer C-302()TPQ-2.	Western Electric Co X75035A	ESL-3109	471-2403 SigC	P/O AN/TPM-4() U/W AN/TPQ-2()
TS-435()/UP TS-435/UP	Test Meter	Milliammeter-dc, 0 to 1ma to measure magnetron current.		ESL-2966		P/O AN/TPM-4() U/W AN/TPQ-2()
TS-436/TRC-6	Dummy Load	Provides 750Ω termination for video repeater test.		SCL	271-3112	P/O AN/TRC-6()
TS-437/U	Signal Generator	35 to 440Mc ±0.02% in 4 bands. Output: 0.1μv to 1v in 2 ranges. Output Z: 50Ω. Modulation: 0.4 and 1kc ±10% internal sine wave, 50cps to 10kc (0 to 100% of carrier external). Crystal controlled heterodyne oscillator provides audio indication of beat notes.		AAF ARL-47-181		
TS-438()/TSM TS-438/TSM	Standard Oscillator	Test oscillator, crystal test, 1680 to 4450kc range. Use TS-330()/TSM. Cancelled 15 March 1950.		SCL		U/W BC-669-()
TS-439()/U TS-439/U	Audio Oscillator	BFO, 15cps to 15kc, variable.	Supreme Inc 563	FMSL		P/O RC-68
TS-440()/U TS-440/U	Voltmeter	ac, 0 to 25v, 25 to 200cps, 1000Ω/v, 75 scale divisions.		FMSL		P/O BC-1242 U/W SCR-615-A
TS-441()/U TS-441/U	Voltmeter	Switchboard, ac type, 0 to 150v range, accuracy 1% movable iron type, 75 scale divisions.	Weston Electrical Inst 156	SPSNA		
TS-442()/U TS-442/U	Voltmeter	ac type, 0 to 15/300v, 26Ω/v, 30 scale divisions.		SPSNA		
TS-443()/U TS-443/U	Voltmeter	dc type, 0 to 3/15/150v, draws 10ma at full scale, 150 scale divisions.	Weston Electrical Inst 1	SPSNA		
TS-444()/U TS-444/U	Multitester	dc type, 0 to 3/30/300/600v, 0 to 1k/10k/100k/1000k/Ω. Ra I-239-A. Cancelled 6 January 1945.		FMSL		U/W MK-8/FMQ-1
TS-445()/U TS-445/U	Wattmeter	Power measurement-wattmeter, dc and single phase ac 375 to 750w, 5 to 7.5a; 150v.	Weston Electrical Inst 432	SCL FMSL SCSNA		
TS-446/U	Radio Frequency Indicator	0.04w neon bulb enclosed in lucite tube indicates presence of RF power- particularly in the microwave regions.		ATSC		

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TS-447()/U TS-447/U	Signal Generator	100kc to 133Mc ±0.5% in 7 bands. Modulation: AM or FM, 400cps internal, can be external.	Hickok Electrical Inst 177	ASND		
TS-448()/I TS-448/I	Signal Generator	120kc to 120Mc ±1%. Output: calibrated in μv. Modulation: internal 400cps.	Radio Corp of Amer 161	SCSNA		
TS-449()/U TS-449/U	Test Set	Radio.	Supreme Inc 592	FMSL		P/O IE-10
TS-450()/ARA-15 TS-450/ARA-15	Test Set	Signal generator: 100 to 155Mc and 200 to 310Mc, ±0.025% crystal controlled, internal modulation. Transmits fixed message for rapid preflight check of impulse translating equipment and its radio link.	Radio Corp of Amer	USN		U/W AN/ARA-15()
TS-451()/ARA-15 TS-451/ARA-15	Test Set	Tests station selection mechanism of the teleselector and each position of the indicator of the impulse translating equipment.	Radio Corp of Amer	USN		U/W AN/ARA-15()
TS-452()/U	Signal Generator	Can be swept to provide check for FM equipment 15 to 400Mc.		WL-45-312		
TS-452A/U	Signal Generator	FM sweeps entire band, frequency varies at a fixed rate across each of 6 bands between 5 to 100Mc.	Fairchild Camera	WL-45-1419	EXH WLENG-133	
TS-452B/U	Signal Generator	FM sweeps entire band, frequency varies at a fixed rate across each of 6 bands between 5 to 100Mc.	Lewyt Mfg Co	WL-45-1852	7519 (USAF)	
TS-452C/U	Signal Generator	FM sweeps entire band, frequency varies at a fixed rate across each of 6 bands between 5 to 100Mc.	Lewyt Mfg Co	WL-54-1057	ENG 367	
TS-453()/U TS-453/U	Voltage Divider	Divides high voltage modulator pulses (200 to 100,000v peak) to view on oscilloscope or synchroscope.	Press-Wireless Mfg 80088	WL-45-R2138	7516-A (USAF) MIL-V-4696	
TS-453A/U	Voltage Divider	Divides high voltage modulator pulses (200 to 100,000v peak) to view on oscilloscope or synchroscope. Cancelled 8 April 1953.		WL-50-1643		
TS-454()/U	Spectrum Analyzer	2.4 to 3.4kMc. Narrow band and high gain to check frequency spectrum of radar transmitters.		WL-45-321		
TS-455()/U	Spectrum Analyzer	350 to 1600Mc. Narrow band frequency swept for checking spectrum of radar transmitters.		WL-45-322		
TS-456()/CRN-1A TS-456/CRN-1A	Test Set	Radio, to test antenna current, plate current, voltage and filament voltage.	Gardner-Wells Co	ARL-45-R225		U/W AN/GRN-1A
TS-457()/U TS-457/U	Multitester	0 to 5000vdc 6 steps, 0 to 5000vac 6 steps; 0 to 100μa dc, 0 to 500ma dc 3 steps, 0 to 10MΩ.	Radio City Products 461	FMSL		
TS-458()/U TS-458/U	Multitester	0 to 1000v ac and dc 9 steps, 1000 to 1MΩ full scale, 0 to 500ma dc 8 steps.	Weston Electrical Inst 665-2	FMSL		P/O I-56-A
TS-459()/U TS-459/U	Decade Resistor	0 to 999.9Ω in steps of 0.1Ω.	Rubicon Co 1013-B	FMSL		
TS-460()/U TS-460/U	Impedance Bridge	1mΩ to 1MΩ, 1μμf to 100μf, 1μh to 100h.	General Radio Co 650A	USN FMSL SCL-6914	MIL-B-3694	
TS-460A/U	Impedance Bridge	1mΩ to 1MΩ, 1μμf to 100μf, 1μh to 100h.	Brown Engineering 200A	SCPD		
TS-460B/U	Impedance Bridge	1mΩ to 1MΩ, 1μμf to 100μf, 1μh to 100h.	Brown Engineering 200B	SCPA		
TS-460C/U	Impedance Bridge	1μμf to 1100μf, 1μh to 1100h, 0.001Ω to 11MΩ, frequency: 1000cps.	Boonton Radio Corp 200A	SCL-9696	MIL-B-3694	
TS-460D/U	Impedance Bridge	1μμf to 1100μf, 1μh to 1100h, 0.001Ω to 11MΩ, frequency: 1000cps. Cancelled 4 October 1955.		SCLM-7505	MIL-B-3694	
TS-461()/G TS-461/G	Galvanometer	25 to 0 to 25 scale.	Knott Apparatus CENCD-82145	FMSL		
TS-462()/U TS-462/U	Microvolter	20 to 150Mc in 1 band.	Ferris Instrument Co 18-B	FMSL		P/O SCR-270-B 271
TS-463()/TSM	Frequency Standard	Secondary, 10/50/100kc; contains 100kc, temperature controlled crystal oscillator.		SCL-5641		P/O AN/FSM-3() U/W CY-93()/FSM-1
TS-464()/ARW TS-464/ARW	Test Set	Airborne equipment, simulates relay action of Radio Receiver Set AN/ARW-17() for pre-launching check of JB-2 aircraft.		USN		U/W C-296()ASW
TS-465()/U	Signal Generator	AM-FM, AM 100kc to 110Mc, FM 100kc to 160Mc, AM modulation: 400cps, FM 0.450kc.		SCL-7065	USA 71-3386	
TS-465A/U	Signal Generator	AM-FM, AM 100kc to 110Mc, FM 100kc to 160Mc, AM modulation: 400cps, FM 0.450kc.	Hickok Electrical Inst 288X	SCL-7645	USA 71-3386	
TS-465B/U	Signal Generator	AM-FM, AM 100kc to 110Mc 7 bands, FM 100kc to 110Mc 7 bands, 400cps internal modulation: 0 to 15,000cps external.				
TS-466()/ARW TS-466/ARW	Test Set	Radio, consists of: transmitter, modulator, demodulator, selector network and indicator tests in frequency range: 390 to 675Mc. Cancelled 4 September 1950.		USN		U/W AN/ARW-24()25()
TS-467()/UP TS-467/UP	Frequency Standard	Calibration of beacon sets, frequency range: 2890 to 2907Mc.		WL-45-376		P/O IE-77-() U/W MC-627-A
TS-468/APN-3-T1	Dummy Antenna	RF impedance of 52Ω capable of dissipating 3w.	Curtiss Wright	ARL-45-44		P/O AN/APN-3-T1()
TS-469()/U	Hydromete	Battery test, to measure specific gravity of electrolyte from 1100 to 1300 specific gravity.		SPSGG		

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TS-470()/U TS-470/U	Milliammeter	dc type, 0 to 50ma with 5kv scale.	Hickok Electrical Inst 56A	SPSCR-5		
TS-471()/U TS-471/U	Milliammeter	dc type, 0 to 10ma; full scale accuracy 2%.	Triplett Electrical 327-A	SPSOR-5		
TS-472()/U TS-472/U	Milliammeter	dc type, 0 to 25ma; full scale accuracy 2%.	Hoyt Electrical Inst 597	SPSOR-5		
TS-473()/U TS-473/U	Milliammeter	dc type, 50 to 0 to 50ma; full scale accuracy 2%.	General Electic DO-41			U/W SCR-527-A
TS-475()/CRN TS-475/CRN	Test Set	Oscilloscope, for visual picture of modulated output, 3" screen, use with glide path equipment.	Gen Communications	ARL-47-R310		
TS-476/CRN-4B	Dummy Antenna	Frequency range: 1400 to 1750kc.		ARL-45-170		P/O AN/CRN-4B
TS-477()/APN-19 TS-477/APN-19	Test Set	Checks radar beacon equipment.	United C eniphone Corp X45B40835	ARL-45-176		U/W AN/APN-19
TS-478()/G	Meter Assembly	Voltmeter and ammeter for use with battery charger.		SCL-5711		P/O PU-90()/G
TS-479()/U TS-479/U	Impedance Bridge	1 to 110Ω ±2% with frequency range: 200 to 400kc. Uses substitution method, variable capacitor adjust and galvanometer indication.	Radio Receptor Corp 470-2A	SPSOR		
TS-480()/U TS-480/U	Frequency Meter	0.5 to 150Mc with plug-in coils, accuracy: ±2% 0.5 to 16Mc, ±3% 16 to 150Mc.	General Radio Co 566A	SCL-6888	MIL-F-3304	
TS-481()/U TS-481/U	Field Strength Meter	0.12 to 18Mc; 20μv/meter. Battery operated.	Radio Corp of Amer 308A	PLANT	MIL-F-10127	
TS-482()/U TS-482/U	Dummy Load	Terminates 5 pulse lines of Modulator Assembly MD-52A/CPS-6 and provides a voltage for viewing pulses.	General Electric	WL-45-403		U/W AN/ACS-6A
TS-483()/U TS-483/U	Oscillator	Oscillator-audio, 30 to 15,000cps, 125mw output 250/500/1000Ω Z.	Supreme Inc 563	ESL-3125		P/O RC-68 U/W SCR-268
TS-484/TRT-2	Radio Frequency Indicator	Consists of dipole antenna and neon light which indicates the presence of an RF voltage.		ESL-3100	471-2436	P/O AN/TRT-2()
TS-485/CPS-1	Slotted Line Assembly	Standing wave measurement, power measurement and sensitivity of Receiver AN/CPS-1.		WL-45-423		P/O MX-533()/CPS-1
TS-486/CPS-1	Slotted Line Assembly	Standing wave measurement, power measurement and receiver sensitivity for AN/CPS-1.		WL-45-424		P/O MX-533()/CPS-1
TS-487()/U TS-487/U	Voltmeter	ac/dc type 0 to 50v, 3 scales 5/10/50, 100μa required for full scale deflection.	Radiation Labs-MIT Maquire Industries	USN		
TS-488()/UP TS-488/UP	Echo Box	For overall performance of radar, 8990 to 9610Mc tuned cavity.	Fairchild Camera	WL-54-R-1277	R-7476 (USAF)	
TS-488A/UP	Echo Box	For overall performance of radar, 8990 to 9610Mc tuned cavity.	Aeromotive Equipment 7200	WL-54-1278		
TS-489()/U TS-489/U	Oscilloscope	5 to 500,000cps vertical, 5 to 100,000cps horizontal, 5" screen portable.	Radio Corp of Amer	ARL-45-R-256		U/W IE-45-()
TS-490()/U	Output Meter	Audio frequency, used for signal maintenance and repair.		SPSRW		P/O I-56-()
TS-491()/UPM-4	Oscilloscope Unit	Confidential.		USN		
TS-492()/UPM-4	Radio Frequency Test Set	Frequency and amplitude of frequency of LX band, contains signal generator, frequency meter, demodulator, coder, prf counter.		USN SPSMB-3	16T11 (RE) NAVY	P/O AN/UPM-4() U/W PP-206/UPM-4
TS-493()/U TS-493/U	Tachometer	Vibrating reed, 1800/2000/2200/2400 reeds.		ARL-45-249		P/O TS-364A/APX-15
TS-494()/U TS-494/U	Frequency Meter	Vibrating reeds, 49 to 51cps, calibration accuracy: 1/2%.		ARL-45-250		P/O TS-364A/APX-15
TS-495()/APX TS-495/APX	Test Set	Frequency and power measurement, contains 2 signal generators (155 to 215Mc and 2700 to 2900Mc) with frequency and power meters. Cancelled 29 April 1946.		USN		
TS-496()/URM	Radio Noise Generator	0.15 to 42Mc, generates pulses,16LPS prf. 0 to 30db output.		SCEL		P/O AN/URM-3()
TS-497()/URR	Signal Generator	2Mc to 40Mc in 6 bands, 400 and 1000cps modulation internal, 0.1 to 100,000μv variable.		SCEL SCL-5718	MIL-S-10262	P/O AN/MPM-1,4
TS-497A/URR	Signal Generator	AM, 2 to 400Mc in 6 bands, 400 and 1000cps modulation internal.				
TS-497B/URR	Signal Generator	AM, 2 to 400Mc in 6 bands, 400 and 1000cps modulation internal.		SCL-10800	MIL-S-10262 (SigC)	
TS-498()/URR	Signal Generator	AM and FM, 2 to 33Mc, AM in 3 bands and 100 to 250Mc in 1 band, 18Mc to 100Mc (FM) in 2 bands.	Measurement Corp	SCL-5719	71-3254 (SigC)	
TS-499()/AKT-1 TS-499/AKT-1	Calibration Unit	Telemetering test, provides standard signal voltages to modulator (at pre-determined intervals and as reference at receiver).	Majestic Radio & TV RA-74AA351B	USN	NAVAER EP-368	P/O AN/AKT-1()
TS-500()/UP TS-500/UP	Echo Box	Performance and frequency check in Xa band, hand tuned.	Western Electric Co X75050A	USN		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-501()/UP TS-501/UP	Echo Box	Performance and frequency check in range: 6250 to 6900Mc, cavity tuned.	Hazeltine Electronics LA-1331 Western Electric Co X66939A Barlow Engineering 1170	USN	CS-675	P/O AN/MPS-4
TS-501A/UP	Echo Box	Range: 6250 to 6900Mc. Used to measure overall performance and frequency and to align radar equipment.	Midwest Eng Dev A101973	USN		
TS-502()/FPN TS-502/FPN	Test Oscilloscope	20cps to 800kc, sweep included, contains trigger generating circuit. Cancelled 26 April 1949. Replaced by OS-3/FPN.		WL-45-484		P/O OA-39()/FPN
TS-503/TSM	Crystal Test Set	Frequency: 455kc, 1610kc, 5.25Mc, to test filter crystals.		SCL-5816A		
TS-504()/GPN-2 TS-504/GPN-2	Synchroscope	3" CRT and associated circuits, sweep speeds 3/10/40/150/300μsec, oscilloscope frequency 30 to 7500cps and ± trigger generator.	Bendix Aviation	USN		P/O AN/GPN-2
TS-505()/U TS-505/U	Electronic Multitester	Portable, vdc 0 to 1000v in 9 steps, vac 0 to 200v in 7 steps, 0 to 1000MΩ in 7 steps.	Western Electric Co Specialty Packing Co 123	SCL-8406	MIL-M-3138	
TS-505A/U	Electronic Multitester	Portable, 0 to 1000MΩ in 7 steps, vdc 0 to 1000v in 9 steps, vac 0 to 250v in 7 steps.	Phaostron Co PL-3000	SCLM-7427	MIL-M-3138A	
TS-505B/U	Electronic Multitester	Portable, 0 to 1000MΩ in 7 steps, vdc 0 to 1000v in 9 steps, vac 0 to 250v in 7 steps.	Northeastern Eng Inc D11700	SCLM-1298	MIL-M-3138	P/O AN/PRM-13()
TS-505C/U	Multitester	Electronic type. Ranges: 0 to ±1.25vdc ±5%, 0 to ±500vdc ±5% in 9 steps, 0 to +1kvdc ±5% in 9 steps, 0 to 250vac ±6%, 0 to 40VRF ±4%, 0 to 1MΩ in 7 steps. Sensitivity: 1ma. Input Z: 40MΩ on 0.5 and 1kvdc, 20MΩ on other dc ranges, 6MΩ // 2μμf on ac and RF ac voltages can be measured from 30cps to 5Mc and RF from 1 to 500Mc.		SCLM-1373	MIL-M-3138	
TS-505D/U	Multitester	Electronic type. Ranges: 0 to 250vac in 7 steps, 0 to 1000vdc ±5% in 9 steps, -500 to 500vdc in 9 steps, 0 to 40v(RF), 0 to 1000MΩ in 7 steps ±5%. Accuracy: 6% from 0 to 100Mc, 8% from 100 to 500Mc. 1ma sensitivity.	Anton Electronics Labs	SESA-57-1239	MIL-M 3138A	
TS-505E/U	Multitester	Measures 0 to 250vac, 0 to 1000vdc, 0 to 1000MΩ, -500 to 0 +500vdc and 0 to 40v RF.	Electronic Materials EAD-197/129	RCN-151		
TS-506()/U TS-506/U	Multitester	Capacitor and resistor, 10μμf to 70μμf, 50Ω to 2MΩ.	Solar Mfg. Co. CB-1-60	PEA SCL-5420		
TS-506A/U	Multitester	Capacitor, resistor, 10μμf to 800μf, 50Ω to 2MΩ.	Solar Mfg Co CC-1-60 CB-1-	PEA		
TS-507()/ARW	Signal Generator	FM modulation; frequency: 30 to 70Mc. Used for final check of airborne radio remote control receivers. Internal modulation: 300/420/590/830/1155/1620/2270/3180/4450/6230cps.		USN	(NAVAER) EP-382	
TS-508()/UP TS-508/UP	Test Oscillator	Receivers, AM (pulsed) transmission 3000 to 11,000Mc to check frequency calibration and sensitivity.	Seaboard Electric 1180	USN	CS-623 MIL-T-7144 (AER)	
TS-509()/UR TS-509/UR	Field Strength Meter	Gives relative uncalibrated indication of radiated signals in 100 to 400Mc range.	Harvey Wells Elec 91B1008	USN	16M21 AER	
TS-510()/UR TS-510/UR	Signal Generator	10 to 420Mc, 5 bands, (0.1mv to 0.5v) internal 400 or 1000cps modulation, external sine or pulse.	Hewlett-Packard 608C-E-802	USN	MIL-G-7702 XEL-95 AER	P/O AN/USM-44
TS-510A/U	Signal Generator	10 to 420Mc, 5 bands, (0.1mv to 0.5v) internal 400 or 1000cps modulation, external sine or pulse.	Hewlett-Packard	USN	MIL-G-7702A AER	P/O AN/USM-44A
TS-511/UR	Power Meter	Cancelled 7 September 1950.		USN		
TS-512()/GSM-1A TS-512/GSM-1A	Ammeter Calibrator	ac-dc; dc 0 to 150/750μa, 0 to 1.5/7.5/15/75/150/750/ma, 0 to 2/5/10a.	Westinghouse Electric	SCL-5721	711689	P/O AN/GSM-1A
TS-513()/GSM-1A TS-513/GSM-1A	Voltmeter Calibrator	Output ranges: 0 to 1.5/7.5/15/75/150/750/1500vdc. 0 to 3/6/15/30/75/150/750/ and 1500vac.	Westinghouse Electric	SCL-5722	71-1689 (Sig-C)	P/O AN/GSM-1A
TS-514()/U TS-514/U	Oscilloscope	Cancelled 1 November 1946. Use I-245.	DuMont Labs 208	SIGGC-R		
TS-516()/U TS-516/U	Electronic Multimeter	500vdc at 16MΩ input impedance and 5000vdc at 160MΩ. Resistance range: .01 to 1 billion ohms.	Radio Corp of Amer 163	SPSCR-5		
TS-517/CRN-1A	Dummy Antenna	Tests Radio Transmitter T-133/CRN-1A.	Wells Gardner & Co	ARL-45-455		P/O TS-456/CRN-1A
TS-518()/U TS-518/U	Voltmeter	25 to 60cps, range: 0 to 150v, 150 scale divisions, 200/v sensitivity.		SCL-5984		
TS-520()/U TS-520/U	Electronic Multitester	Voltmeter, VTVM, portable, 7dc ranges: 0 to 10,000v, 4ac ranges: 0 to 250v.	Hickok Electrical Inst 110B	PEA SCL-5736		
TS-521()/TSM TS-521/TSM	Test Oscillator	Crystal test, 15 to 50Mc, crystal controlled, includes series resonant bridge.	Washington Institute	USN	BTL dwg ESO 994-212	U/W CR-9/U

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-522/CRT-3	Test Set	Radio performance test, checks RF power, measures dc plate voltage and current and filament voltage and current.		AAF ARL		U/W AN/CRT-3
TS-523()/ARN	Localizer Receiver Standard	Radio receiver test, consists of standard receiver to operate on 108.3/108.7/109.1/109.5/109.9/110.3Mc. Cancelled 3 May 1946.		ARL-45-507		U/W TS-67/ARN-5
TS-524()/ARN	Glide Path Receiver Standard	Radio test equipment, used as standard receiver to check R-89()/ARN-5A, operates on 332.6, 335.0Mc. Cancelled 3 May 1946.		ARL-45-508		U/W TS-67/ARN-5
TS-525()/UP TS-525/UP	Probe Assembly	RF pickup, to take a small portion of energy from waveguide for test purposes.	Western Electric Co B431-860	USN		
TS-526()/UPM-16 TS-526/UPM-16	Cable Corona Tester	Indicates on CRT for testing cables, controls voltage to power transformer by varying primary voltage with variac. 0 to 20kv, 37ma.		AEL-50-163		P/O AN/UPM-16
TS-527()/U TS-527/U	Multitester	Electronic, portable, 0 to 20ma dc, 0 to 400vdc and vac range.	Western Electric Co D-171-053	SCL-5876		U/W AN/TRC-6()
TS-528()/U TS-528/U	Timing Meter	Total hour; sychronous telechron motor; direct reading; automatic. Input: 110vac 60 cycle.	General Electric K-8354370P-21	SCL-6003		P/O RA-68-B U/W SCR-584-B
TS-531()/TRA-3	Field Strength Meter	A 50μa(dc) meter and crystal rectifier for use in measuring the front to back ratio of field strengths in the cardiodal field array. Aids the tuning of the parasitic antenna.		ESL-3246	ESL-2101	P/O AN/TRA-3() U/W SCR-608-() SCR-610-() SCR-619-()
TS-532/ASM	Test Set	Simulates heat, rate, and direction of airborne target. Tests navigational and homing course functions as well as overall performance of AN/ASQ-5() and AN/ASA-6().		USN		P/O AN/ASM-1()
TS-533/ASM-1	Computer Test Set	Simulates; output of a conversion unit, composite video signals containing synchronizing signals, variable position strong and weak signals, and scanning rates of conversion unit.		USN		P/O AN/ASM-1()
TS-534/ASM	Detector Test Set	Provides simulated target signal to converter and amplifies converter output to a level suitable for input to oscilloscope.		USN		P/O AN/ASM-1()
TS-535()/U TS-535/U	Signal Generator	7 to 160kc in 4 bands. Output: to 1v ±1μv or ±10%. Output Z: 5Ω. Modulation: AM, 400cps internal or 20cps to 20kc external. Has internal 5kc tuning fork oscillator and CRT for standardizing. Attenuation range to 126db.	Hewlett-Packard	USN	RE 13A 935A	
TS-535A/U	Signal Generator	Same description as TS-535/U.	Hewlett-Packard	USN	MIL-S-15961 (SHIPS)	
TS-535B/U	Signal Generator	Same description as TS-535/U.	Waterman Products Co DFZ 009	N-61-X-1830	M-S 15961A	
TS-536()/TSM	Crystal Test Set	Test oscillator, 80 to 200kc in 2 bands, to check crystal frequency and activity.		SCL-5746		U/W CR-15B/U, 16B/U
TS-537()/TSM TS-537/TSM	Crystal Impedance Meter	Frequency range: 75 to 1100kc, crystal units to be oscillated at either series or anti-resonant frequencies.	Radio Frequency Labs 460	SCL-7104-A	71-3382 (ARMY)	P/O AN/TSM-3()
TS-537A/TSM	Crystal Impedance Meter	Frequency range: 75 to 1100kc, crystal units to be oscillated at either series or anti-resonant frequencies. Instead use TS-710()/TSM.	Radio Frequency Labs	SCL-12153	MIL-T-12628	P/O AN/TSM-3
TS-538()/U TS-538/U	Test Set	Radio, measures power, frequency of radiosonde equipment 1630 to 1730Mc in 1 band, meter in "good or bad transmitter".	Cardwell Mfg Co 300800	ESL SCL-9937	MIL-B-10151	P/O AN/GMD-11() U/W AN/AMT-4()
TS-538A/U	Test Set	Radio, measures power, frequency of radiosonde equipment 1630 to 1730Mc in 1 band, meter in "good or bad transmitter".	Cardwell Mfg Co 300800	SCLM-7001	MIL-T-10151 (Sig)	P/O AN/GMD-1()
TS-538B/U	Test Set	Radio, measures power, frequency of radiosonde equipment 1630 to 1730Mc in 1 band, meter in "good or bad transmitter". Cancelled 28 February 1952.	GE-Bridgeport G400572	SCLM-34	MIL-T-10151 (SigC)	P/O AN/GMD-1()
TS-538C/U	Test Set	Radio, measures power, frequency of radiosonde equipment 1615 to 1715Mc.	Cardwell Mfg Co 301399	SCLM 1324	MIL-R-0010159C	P/O AN/GMD-1 (SCLM-7580)
TS-539()/ASR TS-539/ASR	Test Set	Cancelled 20 April 1950.		USN		
TS-540()/U	Test Set	Functions as an automatic comparator of resistance and impedance circuits in radar and other electronic equipment. Used where 400cps ac is available.	Commun Meas Labs CML-1010	ARL-45-716		
TS-541/TPS	Test Set	Radar test equipment, sawtooth generator, tests radars in range: 8500 to 9500Mc, power measurement: 25 to 130w average.	Espey Mfg Co	WL-51-R1319	7483-B (USAF)	U/W AN/TPS-10,10B AN/UPM-25
TS-541A/TPS	Test Set	Radar test equipment, sawtooth generator, tests radars in range: 8500 to 9500Mc, power measurement: 25 to 130w average.	Espey Mfg Co	WL-55-1624	RADC EXH: ENG-342	P/O AN/UPM-25 U/W AN/TPS-10,10B
TS-542()/FMM TS-542/FMM	Aerological Calibration Chamber	Environmental test equipment, temperature range: 175°F to -75°F, pressure range: 40" to 3" of mercury, humidity range: 98% to 15% for dew points above 33°F.		USN		
TS-543()/FMM TS-543/FMM	Aerological Calibration Chamber	Environmental test equipment, temperature range: 175°F to -75°F, pressure range: 40" to 3" of mercury, humidity range: 98% to 15% for dew points above 33°F.		USN		
TS-544()/UP TS-544/UP	Echo Box	Radar test equipment, operating in frequency range: 580 to 620Mc.	Johnson Service Co	WL-45-1534	R-7484-A (USAF)	
TS-545/UP	Echo Box	For rough frequency and power check, frequency range: 1150Mc to 1350Mc.	Raytheon-Waltham	USN WL	CS-746, CS-914 (USN)	

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-546()/U TS-546/U	Crystal Test Unit	Frequency range: 15 to 20Mc, measures frequency and activity of crystals.		ARL-46-R447		U/W CR-9/U
TS-547()/FRN	Impedance Measuring Box	Used to match the impedance of the antenna tuning unit to the RF transmission line. Measures resistance of antenna system. 200 to 400kc.		WL-45-631		U/W MX-524()/FRN-3
TS-548()/G	Signal Generator	20 to 100Mc in 5 bands. FM, internal. Cancelled 19 March 1947. Replaced by SG-12()/U.		SCL-6019		U/W SCR-508,608 510,610,509, 300,808 AN/TRC-1,3,4 AN/GRC-3,5,6
TS-549()/UP	Signal Generator	Cancelled 24 May 1946. Use TS-437()/U.		WL-45-C202		
TS-550()/G TS-550/G	Sound Calibrator	Telephone test, contains 3 receivers, 2 for routine check of sound source, the third as check standard in TS-903()/G.	Western Electric Co D-173485	USA SCLC-10179	MIL-C-12572 (sigC)	P/O AN/PTM-6()
TS-551()/U TS-551/U	Electric Field Meter	5 to 4000v/cm in four ranges. Used to measure magnitude and direction of electrostatic fields on aircraft.		USN		
TS-552/UPM-6	Test Set	Wavemeter: 25% deflection for 0.5w supplied to RF terminals; signal generator: 925 to 1165Mc; demodulator: 0.5 to 35w avg peak RF pulse power; peak voltmeter: 0.5 to 200v; coder-decoder: generates single and paired 0.7 to 1.3μsec pulses, decodes paired 3, 5 and 8μsec pulses and develops 0.9 to 1.3μsec pulse. For field checking of IFF Mark 5 equipment.	Hazeltine Electronics	USN		P/O AN/UPM-6
TS-553()/MPN-3 TS-553/MPN-3	Synchroscope	X and S bands. Sweep circuits included. Monitors radar on 3 and 5 inch screens. The sweep is phaseable with respect to the trigger.	Gilfillan Bros E-17040	USN	66-16963	P/O AN/UPN-3()
TS-554()/UP	Test Set	Receiver alignment, radar, contains signal generator and frequency meter. Cancelled 15 April 1955.		WL-45-659		U/W AN/CPS-6(),1() AN/MPQ-2()
TS-555()/GMQ-2 TS-555/GMQ-2	Ceilometer	Performance test, multimeter, ac voltmeter 0 to 100v range, dc μa meter accuracy 2 1/2% full scale.	General Electric	USN		P/O AN/GMQ-2()
TS-556()/MPM-3 TS-556/MPM-3	Angle Voltage Test Unit	Voltmeter dc type, 0 to 750vdc, 1w at 300vdc, full scale deflection of D'Arsonval, 20,000Ω/v sensitivity.	Gilfillan Bros 17445	USN	16R56 (SHIP)	P/O AN/MPM-3()
TS-557()/FT TS-557/FT	Impedance Bridge	Frequency range: 100 to 3000cps, inductance range: -550 to +550mh, resistance range: 0 to 11,110Ω.	Western Electric Co 1B	Sig AI-6A		
TS-558/FT	Cable Test Set	Tests and identifies telephone cables.	Western Electric Co	USA		
TS-559()/FT TS-559/FT	Transmission Measuring Set	Telephone test equipment, measures telephone line and equipment noise, indicates noise magnitude on meter scale.	Western Electric Co 2B	USN		
TS-559A/FT	Transmission Measuring Set	Telephone test equipment, measures telephone line and equipment noise, indicates noise magnitude on meter scale.	Daven Co 34B	SCL-8196		
TS-559B/FT	Transmission Measuring Set	Telephone test equipment, measures telephone line and equipment noise, indicates noise magnitude on meter scale.	Daven Co 34B	SCLM-1321		
TS-559C/FT	Transmission Measuring Set	Measures noise on telephone circuits in the range of 10 to 85db above reference noise.	Daven Co 34C	SESA-59-286	STR-88OF-1 (NAVY)	
TS-559D/FT	Transmission Measuring Set	Measures noise on telephone circuits.	Taffet Electronics T335-TS-559	SESA-60-157		
TS-560/FT	Audio Oscillator	AF, telephone test, variable 50 to 150kc to supply testing frequency for telephone transmission line test.	Western Electric Co 17B	SIGTM-1		
TS-561/FT	Transmission Measuring Set	Telephone test equipment, for measuring transmission on telephone circuits, range: 0 to 20db below 1mw over range: 350 to 10,000cps.	Western Electric Co 12A	SIGTM-1		
TS-563/FT	Wiring Test Set	Telephone test equipment for tracing drop, block and station wires.	Western Electric Co 38A	SIGTM-1		
TS-563A/FT	Wiring Test Set	Telephone test equipment for tracing drop, block and station wires.	Western Electric Co 81AW	SCL-C-449		
TS-566()/FT TS-566/FT	Capacitance Bridge	0 to 211,500μμf, direct method of measurement, used to measure mutual capacitance in cables.	Western Electric Co 2A	SCL-6962	MIL-B-12630	
TS-566A/FT	Capacitance Bridge	0 to 211,500μμf, direct method of measurement, used to measure mutual capacitance in cables.	Tech Labs Inc	SCL-8104	71-3369	
TS-568/FT	Transmission Measuring Set	Telephone test equipment to measure harmonics in telephone circuits in range: 180 to 4000cps.	Western Electric Co 10A	SIGTM-1		
TS-569/FT	Transmission Measuring Set	Telephone test equipment to measure harmonics in telephone circuits in range: 180 to 4000cps.	Western Electric Co 30A	SIGTM-1		
TS-570()/FT TS-570/FT	Cable Test Set	Cable testing of telephone equipments by measure of capacitance unbalance.	Western Electric Co 4A	SIGAI-6A		
TS-571()/FT TS-571/FT	Audio Oscillator	Audio telephone test, 1200cps fixed, supplies tone in making capacitance unbalance test.	Western Electric Co 11A	SIGAI-6A		U/W TS-570()/FT
TS-572()/U	Synchro Test Set	Output: 30mv or less, at null points less than 10mv.		ARL-47-W245		U/W AN/APA-59
TS-573A/UP	Calibrator Range	47 to 5000pps, positive or negative adjustable in 10yd increments from 400 to 400,000yd.	Emerson Radio 3622	USN		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-573B/UP	Range Calibrator	Provides a strobe output to calibrate range circuits of pulse type radar equipment. Same as TS-573A/UP except for maintenance parts. Input pulse data: 47 to 5000pps ±10 to 50v externally triggered and 160/480/800/1200/ and 2400pps internally. Output marker: to 2400pps.	Radio Corp of Amer 314645-1,	USN-57-X-1743	USN STR #880F-1/	U/W (836L-177/b) 9106-A
TS-573C/UP	Range Calibrator	400 yards to 400k yards in 10 yard steps. Internal or external triggering. Output: 75Ω or 5kΩ with ±10v minimum. Used in calibration of range circuits of pulse type radar equipment.	Radio Corp of Amer 311645-115	N-60-X-1699	USN STR #880F-1	
TS-574()/U	Signal Generator	AM, carrier 300 to 1000Mc, AM of 30kc, 30% modulation, prf 50 to 100,000cps.	Measurements Corp 84	SPSOP-3		
TS-575()/UM TS-575/UM	Anemograph Test Set	Weather test equipment, to check wind speed transmitter selsyn of anemograph.	Friez Inst 517K	USN		
TS-576()/UP TS-576/UP	Echo Box	For overall performance check of radar, 2700 to 2900Mc, cavity tuned; to measure power, frequency spectrum, and transmitter pulling.	Johnson Service Co TS/270()/UP Gilfillan Bros	USN		P/O AN/MPM-3() U/W T-167()/MPM-3 R-200()/MPM-3
TS-577()/FG TS-577/FG	Telegraph Monitor	For audible and visual measurement of signal distortion.	Western Electric Co X66 421-A List 1	PEA		
TS-577A/FG	Telegraph Monitor	For audible and visual measurement of signal distortion.	Maspeth Radio & TV 7500	SCLM-7100		
TS-578()/U TS-578/U	Decade Resistor	1 to 111,110Ω in 1Ω steps. ±0.25% accuracy. U/W wheatstone bridge, percentage bridge and nulldetectors.	General Radio Co 602-M	PEA-211 SCL		
TS-578A/U	Decade Resistor	Measures 1 to 111,110Ω in 1Ω steps. ±0.25% accuracy.	Brown Electro-Meas 575-A	SCPD		
TS-578B/U	Decade Resistor	Measures 1 to 111,110Ω in 1Ω steps. ±0.25% accuracy.	Tech Labs Inc	SCL-7970		
TS-579()/U TS-579/U	Field Strength Meter	18 to 125Mc, 10μv to 0.5v or 50μv to 2.5v per meter.	Radio Corp of Amer 301-B		MIL-M-13091	
TS-579A/U	Field Strength Meter	18 to 125Mc ±2%. 10μv to 0.5v ±20% from 18 to 250Mc and 50μv to 2.5v ±2% per meter from 50 to 125Mc. Provides linear of log outputs. Replaced by AN/URM-91.	Seaview Electric Co	USA SCLM-1261		P/O AN/URM-91()
TS-580()/U TS-580/U	Direct Current Amplifier	Amplifies low values of dc to use with Esterline-Angus Recorder AW.	General Radio Co 715-AM	PEA SCL-7650	71-3347 (USA)	P/O TS-584/U
TS-580A/U	Direct Current Amplifier	Single channel amplifier for weak dc and low frequency voltages, useful as an electrometer, for general purpose use.	General Radio Co 1230-A	SIMSA-61-139		U/W TS-584/U
TS-581()/U TS-581/U	Frequency Standard Oscillator	Crystal controlled 10kc and 50kc fundamental, 10kc to 10Mc, 50kc to 25Mc harmonics, to check oscillating circuits and frequency measuring equipment. Cancelled 19 December 1949.		PEA-199		
TS-582()/U TS-582/U	Impedance Bridge	Resistance range: 0 to 1000Ω, reactance range: 5000Ω at 1Mc. Cancelled 21 April 1948. Same as Navy type 60094.				
TS-583()/U TS-583/U	Square Wave Generator	20cps to 10kc, primary frequency range; reasonable square wave to 100kc; for network testing.	Hewlett-Packard 210A	USN SCL	71-3358 (SigC)	
TS-583A/U	Square Wave Generator	20cps to 10kc single range, frequency characteristic within 0.5μsec, from 20cps to 10kc.	Lavoie Labs E-136204	SCPA		
TS-583B/U	Square Wave Generator	20cps to 100kc; 50v p-p max output; for network testing.	Artisan Electronics	SCLM-7051	71-3358 (USA)	
TS-584()/U TS-584/U	Milliammeter Recorder	dc; 0 to 10Mc, 0 to 5ma, external shunt, to enable 2 ranges: 0 to 5ma, 0 to 10ma, to be used.	Esterline Angus Co AW or AW Ma recorder	PEA-186		U/W TS-580()/4
TS-584A/U	Milliammeter Recorder	dc; 0 to 10Mc, 0 to 5ma, external shunt, to enable 2 ranges: 0 to 5ma, 0 to 10ma, to be used.		AEL-49-392		P/O AN/ARM-4 AN/MRM-2
TS-584B/U	Milliammeter Recorder	dc; 0 to 10Mc, 0 to 5ma, external shunt, to enable 2 ranges: 0 to 5ma, 0 to 10ma, to be used.	Esterline Angus Co AW Ma recorder	SCL-7659		
TS-585()/U TS-585/U	Output Meter	Portable, power range: 0.1 to 5000mw; Z range: 2.5 to 20,000Ω, to measure the amount of AF power delivered.	General Radio Co 583-A	PEA SCL-6854		
TS-585A/U	Output Meter	Portable, power range: 0.1 to 5000mw; Z range: 2.5 to 20,000Ω, to measure the amount of AF power delivered.	Daven Co OP-182	SCPD		
TS-585B/U	Output Meter	Portable, power range: 0.1 to 5000mw; Z range: 2.5 to 20,000Ω, to measure the amount of AF power delivered.	Reiner Elec Co	SCLM-7627		
TS-585C/U	Output Meter	Portable, power range: 0.1 to 5000mw; Z range: 2.5 to 20,000Ω, to measure the amount of AF power delivered.	Daven Co 11000-2		71-3339 (USA)	
TS-585D/U	Audio Level Meter	Frequency: 30 to 10,000cps. Power range: 0.1 to 5000mw in 4 ranges. Z: 2.5 to 20,000Ω in 40 discrete steps. Self contained.	Cooper Electronics	SESA-59-104		
TS-586()/U TS-586/U	Crystal Test Set	Measures activity, inductance, capacitance, shunt capacitance and resistance of CR-11/U, 400 to 15,000cps, 5 bands.	Western Electric Co	ARL-46-153		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-587()/U TS-587/U	Noise Field Intensity Meter	15 to 400Mc; -6 to +40db referenced to 1μv into 100Ω or 0 to 100μv scale markings. May be used as a 2 terminal voltmeter. Similar to AN/URM-3().	Stoddart Aircraft	USN		
TS-587A/U	Noise Field Intensity Meter	Same description as TS-587/U&(). This is modified commercial model (Stoddart #NM-3A).	Stoddart Aircraft	USN		
TS-587B/U	Radio Interference Measuring Set	15 to 400Mc ±2% in 4 bands. Scale: 0 to 100μv, to 40db. IF: 12 and 30Mc. Stoddart equipment modified. Has 50Ω RF input.	Stoddart Aircraft	USN	SHIPS-F-2102	
TS-588()/U TS-588/U	Signal Generator	9.5kc to Mc ±1% in 7 bands. Modulation: internal 400cps, can be external, variable to 80%.	General Radio Co 605-B	SCL-6936		
TS-588A/U	Signal Generator	5kc to 50Mc ±1% in 8 bands. Output: 0 to 1μv to 2v RF. Modulation: internal 400cps, can be external, 0 to 80% variable. Replaced by AN/URM-25.	Clough-Brengle Co 905	SCL-8240	71-3353 USA	
TS-589()/U	Audio Oscillator	To use as modulating source for signal generators, 1000cps, 50/500/5000Ω, 20 to 30mw/6v.	General Radio Co 813A	PEA		
TS-590()/U TS-590/U	Signal Generator	100kc to 30Mc. Supplies continuously adjustable RF voltages for radio receiver tests.	Radio Corp of Amer 167-A	PEA-220		
TS-591()/CRN-16 TS-591/CRN-16	Analyzer	Sound, for radio beacon equipment.		AAF AEL ARL		U/W AN/CRN-16
TS-592/UPM-15	Pulse Generator	50pps to 10kpps prf. Internal and external sync. Output: one or two pulses separated from 2 to 30μsec either ±. Rise and fall times 0.05 to 0.25μsec, and 0.1 to 0.3μsec. Width: 0.5 to 100μsec. 20 to 200v or more at Z: 2500Ω. Input Z: 1kΩ.		AEL-51-R-163		
TS-592A/UPM-15	Pulse Generator	Same description as TS-592/UPM-15.	Stamford Electronics	USA AEL-53-829	MIL-P-6324	P/O AN/UPM-15
TS-593()/U	Radio Frequency Wattmeter	70 to 400Mc frequency range, power range: 0.25 to 15w.		AAF ARL-46-182		
TS-594()/U	Radio Frequency Wattmeter	1 to 20Mc frequency range, power range: 5 to 125w.		AAF ARL-46-183		
TS-595()/U	Monitor Recorder	Radar monitor, X-band 8500 to 9600Mc, provides record of receiver performance in aircraft; power range: 0.5 to 200w, VSWR: 1.5:1 to 2.0:1.		AAF ARL-46-184		
TS-596()/U	Oscilloscope	0.5 to 5000cps. Sweep: 1 to 25, 20 to 250, 200 to 2500 and 2500 to 5000μsec, or 1 to 40k feet. 45° green filter. 3 inch screen. Dual gun with independent vertical and horizontal systems.		AAF ARL-46-185		
TS-597()/U	Pulse Generator	853/1024/1139/1280pps; 732pps generated internally and always in operation, single or double pulses. Cancelled 2 December 1948.		AAF ARL-46-186		U/W AN/APW-1,7,8,8x
TS-598()/U TS-598/U	Pulse Tester	Measures prf and duty cycle in either continuous or short (5 pulses or more) series, duty cycle is measured in percent make.		AAF AEL-49-244	MIL-P-5177	U/W AN/ARW-40,41
TS-598A/U	Pulse Tester	Measures prf and duty cycle in either continuous or short (5 pulses or more) series, duty cycle is measured in percent make.	Elk Electronics		MIL-P-5177	U/W AN/ARW-40,41
TS-599()/U	Power Meter	RF type, glow tube principle, +34dbm to +60dbm, uses attenuator to extend range.		AAF ARL-46-191		
TS-600()/U	Signal Generator	0.4 to 1kMc ±1%. Output: 1μv to 0.1v ±10%. Modulation: pulse (50 to 5000/sec, 2 to 30μsec wide, 2 to 100μsec delay) and CW.	Allen D Cardwell	AEL-49-R288		
TS-601()/U	Signal Generator	0.975 to 2kMc ±1% otherwise same description as TS-600()/U.	Allen D Cardwell	USAF AEL-49-R289		
TS-602()/U	Signal Generator	4.2 to 10.3kMc ±1% in 3 bands. Output: 0 to 90dbm ±2db. Pulse modulation: (50 to 5000/sec, 1 to 30μsec).		AAF ARL-46-192		
TS-604()/U TS-604/U	Relay Test Set	Shows relay operation, relay current, line voltages, drop-out and pull-in voltages measured.		AAF ARL-46-189		U/W AN/CRW-2(),5(),7
TS-604A/U	Relay Test Set	Checks relay function, provides test voltages to relays.	Shaw TV Co	USA AEL-53-25	MIL-R-4329	
TS-605()/U TS-605/U	Relay Test Set	Checks relay function.		USAF AEL-49-235		U/W AN/ARW-40,41
TS-606()/U TS-606/U	Signal Generator	AM, 85kc to 40Mc, 8 channels, internal and switch controlled external modulation, fixed frequency: 100/400/1000/3000cps.	Rollin Co 20202	AAF-AMC ARL-48-178	USAF EXH: AMC MCREE-482	
TS-607()/U	Radio Noise Generator	Pulse transmission, 100kc to 600Mc, provides constant reference level of broad-band radio noise.		ARL-46-211		
TS-608()/U TS-608/U	Signal Generator	AM and pulse modulated, 40Mc to 400Mc, AM 100/400/1000/3000cps, up to 80%.	Rollin Co 30	AAF ARL		
TS-609()/U	Signal Generator	AM, 10kc to 33Mc in 7 bands, internal modulation: 400 or 1000cps.		SCL-45-17	SCL-1079	

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TS-610()/U	Multitester	Use TS-297()/U. Cancelled 17 January 1947.		SCL-6318-A		
TS-611()/FG TS-611/FG	Teletype-writer Test Set	Measures bias and distortion on teletype circuits.	Western Electric Co 118C2	USN SIGTM-1		
TS-611A/FG	Teletype-writer Test Set	Measures bias and distortion on teletype circuits.	Maspeth Radio & TV 611	SCLM-7058		
TS-611B/FG	Teletype-writer Test Set	Measures teletypewriter signals distort-ion and bias.	Western Electric Co GA-11281	USN-59-Y-2124		
TS-612()/FG	Teletype-writer Test Set	Automatic multiple transmitter of perfect teletype characters for test purposes.	Western Electric Co 110C1	PEA		
TS-613()/U	Signal Generator	AF, BFO, 20 to 17,000cps, single range, up to 25v, 125mw output.	Radio Corp of Amer 68B	ASA		
TS-614()/U	Echo Box	Makes spectrum analysis, power and frequency measurement in 1650 to 5200Mc range. Cancell-ed 20 February 1947.		ARL-46-245		
TS-615()/U TS-615/U	Sound Analyzer	Frequency measurement to determine amplitude and frequency of harmonics of complex wave-form 20 to 16,000cps.	General Radio Co 736-A	SCLM-6744		
TS-615A/U	Sound Analyzer	Frequency measurement to determine amplitude and frequency of harmonics of complex wave-form 20 to 16,000cps.	Hewlett-Packard 300A	SCL-7652		
TS-615B/U	Sound Analyzer	Frequency measurement to determine amplitude and frequency of harmonics of complex wave-form 20 to 16,000cps.	Hewlett-Packard 300A	SCLM-1247		
TS-616()/U TS-616/U	Multitester	Combination type, portable, ac-dc, 0 to 6000v, 0 to 2000MΩ, 0 to 12a.	Precision Apparatus EV-10-MCP	SCL-6737 SIGTM-1		
TS-617()/U	Q Meter	20 to 625. Internal oscillator frequency: 50kc to 75Mc. External: 50kc to 1kc. 0 to 5v RF. Q accuracy: ±5% up to 30Mc.	Boonton Radio Corp 160-A	SCL-6953	SC-71-3357	
TS-617A/U	Q Meter	Same description as TS-617()/U.	Boonton Radio Corp 160-A	SCL-7685	71-3357 (ARMY)	
TS-617B/U	Q Meter	Same description as TS-617()/U except 0 to 750 for overall Q range. Cancelled 12 January 1955.	Crescent Commun Corp BenMar Mfg Co TS-617	USA SCLM-6626		
TS-618()/U TS-618/U	Multitester	0 to 1000vdc 6 steps, 0 to 100MΩ 6 steps.	Pilot Radio 282-83	SCTC SCLC-8879	MIL-M-11271	P/O AN/PRM-15() U/W PP-1247()/PRM-15
TS-619/U	Electronic Multitester	Voltmeter ac, VTVM, .05 to 300v ac in 7 steps.	General Radio Co 727A	SIGTM-1		
TS-620/U	Electronic Multitester	Voltmeter ac, electronic counter model, 0.1 to 150vac in 5 steps, linear up to 20Mc.	General Radio Co 726A	SIGTM-1		
TS-620A/U	Electronic Multitester	Voltmeter ac, electronic counter model, 0.1 to 150vac in 5 steps, linear up to 20Mc.	Telectro Ind Inc	SCPA		
TS-621A/U	Signal Generator	CW, internal pulse, internal simple FM, exter-nal pulse modulation: 3650 to 7300Mc, 1 band.	Hewlett-Packard 618B	USN	MIL-G-7141	P/O AN/URM-524
TS-621B/U	Signal Generator	3800 to 7500Mc in 1 band within ±1%; output: 0.1μv to 0.233v calibrated; modulation pulse: pulse, square wave and FM, 40 to 4000cps prf; external modulation also permitted. FM deviation. of 0 to 3Mc. Same as TS-621A/U with exception of power receptacle.	Hewlett-Packard 618-E-801	USN-57-1138	MIL-G-7141 (Aer)	P/O AN/URM-52A
TS-621C/U	Signal Generator	3.8 to 7.5kMc ±1% 0.04 to 4kc. Internal and ex-ternal sync. Output: ±15 to ±70v into 50Ω. Pulses : 0.5 to 2500μsec. For airborne equipment.	Van Norman Ind Inc SG-152	N-60-ah-909	MIL-G-7141A (BuAer)	
TS-621D/U	Signal Generator	3.8 to 7.5kMc ±1%. Output: -10 to -127dbm below 1mv ±2db into 50Ω. Modulation: FM 40 to 4000cps internal. Pulsed 40 to 4000cps prf with 0.5 to 10μsec pulses. External: 1 to 2500μsec pulse separation 0.5 to 2500μsec pulse. Internal or ex-ternal sync.	Nuclear Electronics TS621/U	N-61-W-1716	MIL-G-7141A (AER)	P/O AN/URM-52A
TS-622()/U TS-622/U	Signal Generator	AM-FM pulse modulation, frequency range: 7000 to 10750Mc.	Polarad Electronic P-12651 PRD Electronics	USN	MIL-G-7142 (Aer)	P/O AN/URM-44
TS-622A/U	Signal Generator	7000 to 11,000Mc ±1%. Modulation: pulse: 40 to 4000pps, 0.5 to 10.0μsec width, 3 to 300μsec delay time; FM: 40 to 4000 sawtooth repetition rate per second, terminals for external modulation, deviation 0 to ±3Mc. Output: 0.1 to 71,200μv, ±2db max variation; Z: 50Ω.	Cosmos Industries 135-D-0500	N-62-W-845	MIL-G-7142A	P/O AN/URM-44A
TS-623/U	Multitester	Portable, 0 to 300μa dc, 0 to 600ma dc 5 steps, 0 to 12a dc, 0 to 10MΩ, voltage ranges to be less than 1000. Use TS-352()/U. Cancelled 11 October 1946.		USN		
TS-625()/URQ	Analyzer	Determines whether AN/ARQ-21() is in operating condition and if not, locates component at fault. Checks RF power of hand generator and plate and filament voltages of the transmitter.		ARL-46-315		U/W AN/URQ-2()
TS-626()/U TS-626/U	Armature Tester	Tests 2" diameter or larger armatures and stators 5 3/4" or larger.	Ideal Commutator U-2	USN USMC		

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TS-627()/U	Power Test Set	Tests: 0 to 5/25/125a ±1% ac, 0 to 150/300/600v ±1% fs ac, 0 to 100kw ±2% fs. 0.3 lag to 1 to 0.8 lead 3 phase 3 wire power factor ac.	Weston Electrical 629-2	SCLM-1277		
TS-628()/U	Alignment Test Set	Radio test equipment, used for pre-setting and alignment.		USN USMC		
TS-629()/U TS-629/U	Audio Level Test Panel	30 to 15,000cps, audio level volume indicator.	Daven Co 920	USN	CS-528	
TS-629A/U	Audio Level Test Panel	30 to 15,000cps, audio level volume indicator.	Reiner Elec Co	USN	MIL-A-17045 (SHIPS)	
TS-629B/U	Audio Level test Panel	30 to 15,000cps, audio level volume indicator.	Daven Co	USN	MIL-A-17045 (SHIPS)	
TS-629D/U	Audio Level Test Panel	Monitors and measures AF signal level. -40 to +20dbm for terminating and -20 to +20dbm for bridging. 50cps to 10kc ±0.1db at 25°C. Input Z: 12.5kΩ for bridging and 600Ω for terminating. Meter calibrated from -20 to +3VU and 0 to 100%.	Daven Co TR-924	PICO-62-529		
TS-630()/U	Analyzer	ac generators, 50 to 2600cps. Portable. Cancelled 11 April 1955.		WL-45-729		
TS-631()/APQ-65 TS-631/APQ-65	Voltmeter	0 to 30vdc, 30 scale divisions aircraft equipment.	Western Electric Co	USN	OP-689 (BuOrd)	P/O AN/APA-65()
TS-632()/APA-67 TS-632/APA-67	Voltmeter	0 to 30vdc, 30 scale divisions aircraft equipment.	Weston Electric Western Electric Co	USN	OP-687 (BuOrd)	P/O AN/APA-67()
TS-633()/U TS-633/U	Test Set	Alignment equipment, radar, used with signal generator to check IF pre-amplifier and amplifier strips.	Western Electric Co	USN	ORD-688	U/W AN/DPN-1()
TS-634()/DPN-1 TS-634/DPN-1	Test Set	Radar test equipment, measures current in plane circuit of differential amplifiers of AN/DPN-1(), checks operation of arming switch.	Western Electric Co	USN USA	ORD-688	U/W AN/DPM-1()
TS-635()/UP TS-635/UP	Field Intensity Meter	110 to 220kc. For CW, pulse or 20 to 35pps Loran. Has internal calibrating generator (50/100/200 and 300μsec pulses). Display and provision for 6vdc operation.	Washington Institute	USN	RE-13A 1031A	
TS-636()/G	Fault Locator	Pulse reflection type determines opens, shorts, crosses and grounds in carrier type communications cable.		SIGGC-W3	SCL-1127	
TS-637()/U	Slotted Line	Measures field distribution on line and impedance measurement, range: 4000 to 7050Mc. Cancelled 24 June 1949. Replaced by IM-41()/U.		WL-45-858		
TS-638()/U	Slotted Line	Measures field distribution on line and impedance measurement, range: 4000 to 10,000Mc. Cancelled 24 June 1949. Replaced by IM-41()/U.		WL-45-859		
TS-639()/U TS-639/U	Slotted Line	Measures field distribution on line and impedance measurement, range: 7050 to 10,000Mc. Cancelled 24 June 1949. Replaced by IM-43()/U.	Hewlett-Packard	WL-45-1538		U/W MX-831/U
TS-640()/U	Slotted Line	Measures field distribution on line and impedance measurement, range: 3950 to 5850Mc. Cancelled 24 June 1949. Replaced by IM-45()/U.		WL-45-861		
TS-641/U	Slotted Line	Measures field distribution on line and impedance measurement, range: 5850 to 8200Mc. Cancelled 24 June 1949. Replaced by IM-45()/U.	Hewlett-Packard	WL-45-1654		
TS-642()/U TS-642/U	Radar Test Set	Power, frequency measurement, FM, CW signal generator 8500 to 9600Mc.	Gen Communication P244	USN	SHIPS-T-1009	
TS-643()/AMQ-2A TS-643/AMQ-2A	Aerograph Calibration Set	Identical to TS-407/AMQ-2 except for recalibrated dial face.	Eclipse-Pioneer SC-D-k5348-A	SCPD		U/W AN/AMQ-2A
TS-644()/U	Slotted Section Probe	Measures impedance, VSWR, power, wave length, phase shift and attenuation, range: 18 to 26.5kMc. Cancelled 24 June 1949. Replaced by IM-46/U&().	PRD Electronics	WL-45-890		
TS-645()/U	Slotted Section Probe	Measures impedance, VSWR, power, wave length, phase shift and attenuation, range: 26.5 to 39.0kMc. Cancelled 24 June 1949. Replaced by IM-47/U&().	PRD Electronics	WL-45-891		
TS-646()/U	Slotted Section Probe	Measures impedance, VSWR, power, wave length, phase shift and attenuation, range: 12.4 to 18.0kMc. Cancelled 24 June 1949. Replaced by IM-48/U&().	PRD Electronics	WL-45-892		
TS-647()/U	Battery Tester	Tests storage batteries, contains voltmeter, hydrometer, resistors and test prods.		SCL		
TS-648()/U	Vibrator Test Set	Measures frequency, contact timing and operating current.		SCL-6392		P/O VB-16-()
TS-649()/U	Synchro Test Set	High precision instrument synchro with 30mv or less output (10mv at null). Measures accuracy of radar angular motion synchro. 3 phase input and output.		AAF ARL-47-246		U/W AN/APA-59()
TS-650()/U	Synchro Test Set	Same description as TS-649()/U except 2 phase input and output.		AAF ARL-47-247		U/W AN/APA-59
TS-651()/U	Synchro Test Set	Same description as TS-649()/U except 1 phase input and 3 phase output.		AAF ARL-47-248		U/W AN/APA-59()
TS-652()/GG TS-652/GG	Teletype-writer Test Set	Makes performance tests, teletype code disc operated, signal distortion test.	Teletype Corp DXD-4/MU4	USN		

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TS-653()/APG	Synchro Phasing Tester	Injects 1.5vac to synchro generators (etc.) and measures voltages thereon.		ARL-47-351		U/W AN/APG-1,2,3
TS-653A/APG	Synchro Phasing Tester	Injects 1.5vac to synchro generators (etc.) and measures voltages thereon.	Monument Eng Co 1638	AEL		
TS-654()/GRR-1 TS-654/GRR-1	Radio Test Set	1MΩ/v sensitivity, 55.5 and 56.7Mc. Battery source. Consists of VTVM and signal generator.	Air Associates	ESL-3581	TSELT-208 Amend #1	P/O AN/GRR-1()
TS-655()/GRR-1 TS-655/GRR-1	Radio Test Set	55.3 to 56.95Mc ±100kc. Crystal control at 55.3 and 56.95Mc. Standardizes AN/GGR-1() for proper caliber of ammunition being fired and zone calibration.	Air Associates	ESL-3582	TSELT-205 (USAF)	P/O AN/GRR-1()
TS-656()/U	Meter Tester	Rapid testing of ac and dc voltage and current meters.	Roflan Co 4007	SIGGG-S SCLH-11411	MIL-M-11538	P/O AN/USM-71()
TS-657()/FG TS-657/FG	Teletype-writer Test Set	Provides biased teletypewriter signals for testing circuits, also provides means of measuring bias at receiving terminal from sent reversals.	Western Electric Co 119A	USN		
TS-658()/UG TS-658/UG	Teletype-writer Test Set	Transmits repeated characters for test. Can be either perfect or 20% end distortion or bias at 368 opm or 23 cycle reversals. Synchronous motor.	Teletype Corp ED-51-DT	USN		
TS-659()/UG TS-659/UG	Teletype-writer Test Set	Same description as TS-658/UG but has series governed motor instead of synchronous motor.	Teletype Corp ED-58-ME	USN		
TS-660()/UG TS-660/UG	Teletype-writer Test Set	Used at tributary points to measure systematic and for tuitous distortion of recurring characters.	Western Electric Co 161A1	USN		
TS-661()/PT	Telephone Test Set	For locating faults on lines.		SIGGC-W	SCL-1312	
TS-662()/GT	Telephone Test Set	For locating faults on lines.		SIGGC-W	SCL-1312	
TS-663()/CPS-6B TS-663/CPS-6B	Range Calibrator	Has prf of 300pps, and sine wave 80.87kc, each trigger is 11v peak and 2.5 μsec wide.	General Electric ML-7352639	WL-45-1127	WLENG-101 (USAF)	P/O OA-96()/CPS-613
TS-665()/U TS-665/U	Decade Resistor	0 to 1110Ω, 0.1% accurate on 10 and 100Ω steps.	General Radio 602-G	USN		
TS-666()/AP TS-666/AP	Computer Calibrator	ac phase sensitive null detector and ratio meter.	Western Electric Co D-154179	ARL AEL-50-R100		U/W AN/APA-44
TS-666A/AP	Computer Calibrator	ac phase or dc polarity null detector and ratio meter.	Technology Inst Corp TA-322	AEL-53-643	USAF WCE-278	U/W AN/APA-44
TS-667()/AP TS-667/AP	Computer Test Set	dc null indicator operating thru resistance ratios, checks Ground Position Indicator AN/APA-44.	Western Electric Co D-154180	AEL-49-R 560		U/W AN/APA-44
TS-667A/AP	Computer Test Set	dc null indicator operating thru resistance ratios, checks Ground Position Indicator AN/APA-44.	Specialty Packing Co	USA-AEL	WCE-279	U/W AN/APA-44
TS-688()/AP TS-688/AP	Alignment Tester	Amplifier alignment, 15 to 1000Mc, portable, includes 0 to 1ma meter.		ARL-48-R-596	7218 (USAF)	U/W AN/APQ-8
TS-670()/UP	Spectrum Analyzer	L-band (950 to 1225Mc), checks AFC operation, TR, RT boxes, set L-band cavities.		ARL-48-547		U/W AN/APN-34()
TS-671()/U TS-671/U	Decade Capacitor	100/1000/3000μμf; 0.01/0.02/0.1/0.25/20μf capacitors.	Radio Frequency Labs H-2490	USN	CS-838	P/O AN/USM-3
TS-672()/U TS-672/U	Decade Resistor	10MΩ in steps of 1.0Ω.	Radio Frequency Labs H-2491	USN	CS-838	P/O AN/USM-3
TS-672A/U	Decade Resistor	12MΩ in steps of 1.0Ω.	Radio Frequency Labs HC-2493	USN	MIL-T-15559A (SHIPS)	P/O AN/USM-3A
TS-673()/U TS-673/U	Signal Tracer	Radio test equipment, signal tracing, contains detector and amplifier.	Radio Frequency Labs H-2190	USN	CS-838	P/O AN/USM-3
TS-674()/FRT-4 TS-674/FRT-4	Radio Test Set	Consists of wavemeter (GR724B), Decade Resistor (TS-665/U), and transfer switch. Wavemeter: 16kc to 50Mc; resistor: 0 to1110Ω in 1Ω steps.	General Electric P-7772226	USN		U/W AN/FRT-4,4X
TS-675()/U	Audio Power Synthesizer	Power measurement, measures power of signal of any waveform, 25 to 2600cps, fundamental harmonics to 5th.	Centro Research Lab	AEL-48-432		
TS-676()/U TS-676/U	Transmission Line Fault Locator	Pulse reflection type, uses 5" CRT, propagation rate 30,000 to 186,000 miles per sec; range: 0 to 5000/100,000 ft.	Tabe Deutschman Corp NFF-1	USN	CS-1026	
TS-677()/UP TS-677/UP	Test Set Indicator	Radar equipment, MTI, determine sub-clutter visability, stalo-stability and pulse jitter of MTI radar systems.	Airborne Inst Lab	WL-51-1731	MCREE-940 (USAF)	
TS-678()/UP	Spectrum Analyzer	Loran, to view signals within range of 60 to 240kc.	Radio-Sonic Corp	WL-45-1627	EXH: WLENG-1071	
TS-678A/UP	Spectrum Analyzer	Loran, to view signals within range of 60 to 240kc.				P/O AN/USM-3B
TS-679()/U TS-679/U	Decade Resistor	Provides resistances from 0.1 to 111, 111Ω in 0.1Ω steps.	Epsey Mfg Co 14.203	SCL 8947	MIL-T-11704	P/O AN/GSM-1()
TS-679A/U	Decade Resistor	Provides resistances from 0.1 to 111, 111Ω in 0.1Ω steps.	Shallcross Mfg Co	SCL	MIL-R-11704	P/O AN/GSM-1B

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TS-680()/U	Spectrum Analyzer	Input: 10 to 12000Mc in 10 bands, AM, FM, CW and pulse signals.	Polarad Electronics A-SA-SLX	AEL-49-28	71-5056-A	P/O AN/APT-3,5,14 AN/APQ-27,28
TS-681()/APN-42	Radar Test Set	Measures accuracy with which the goniometer shifts phase between input and output signals.		ARL-49-40		U/W AN/APN-42()
TS-682()/GSM-1 TS-682/GSM-1	Meter Test Set	To calibrate meter, output: 0 to 100μa, 0 to 100a dc; from 0 to 100a ac; 0 to 100mv to 0 to 2000vdc and 0 to 1v/2000vac.	Epsey Mfg Co 3.180	SCL-8946	71-1689-A	P/O AN/GSM-1()
TS-682A/GSM-1	Meter Test Set	To calibrate meter, output: 0 to 100μa, 0 to 100a dc; from 0 to 100a ac; 0 to 100mv to 0 to 2000vdc and 0 to 1v/2000vac.	Dubrow Development Co 336-1	SCLM-7357	MIL-11656A (SigC)	P/O AN/GSM-1()
TS-683()/TSM TS-683/TSM	Crystal Impedance Meter	Impedance measurement, frequency range: 10Mc to 100Mc, to test units operating at their resonant frequencies.	Radio Frequency Labs	SCL-12-151	MIL-C-10479	P/O AN/TSM-3()
TS-683A/TSM	Crystal Impedance Meter	Range: 10Mc to 140Mc, to measure series and anti-resonant resistance of crystals.	Shallcross Mfg Co	SCLM-1226		P/O AN/FSM-3 U/W OA-484/U
TS-684()/URM-30 TS-684/URM-30	Analyzer	Power measurement, measures AF power output of receiver and RF power output of transmitter.	Hoffman Radio Corp	AEL-50-400	MIL-A-5338 (USAF)	P/O AN/URM-30
TS-685()/APG-30 TS-685/APG-30	Range Calibrator	To adjust and calibrate radar range output voltage to correspond to standard range reference voltages.	General Electric	USN	BuAer R16R87	
TS-685A/APG-30	Range Calibrator	To adjust and calibrate radar range output voltage to correspond to standard range reference voltages.	GE-Syracuse	USN	R16R87 (Aer)	U/W AN/APG-30
TS-686()/U TS-686/U	Radar Test Set	Includes signal generator, frequency meter, diode noise source, 8 to 15Mc, 20 to 40mv, 45 to 76Mc.	Dale Pollack MS-1	USN	CS-1006	
TS-687()/TRM-1 TS-687/TRM-1	Transmitter Tester	(Aircraft) pre-flight check of percent modulator, carrier shift and relative power output of antenna.	Trad Television Corp 102-D-756	USN	MIL-T-6907	P/O AN/TRM-1
TS-688()/U TS-688/U	Summation Bridge	Range: 200Ω nominal; accuracy 1%.		WL-50-R1316		P/O ME-12/U ME-21/U
TS-689()/U TS-689/U	Meter Test Set	Used to calibrate other meter equipment; contains meters and power supplies.	Radio Frequency Labs 260B	USN		
TS-689A/U	Meter Test Set	Used to calibrate other meter equipment; contains meters and power supplies.	National Inst Labs	USN-SR 1373		
TS-690()/U TS-690/U	Meter Test Set	Calibrating equipment for ac meter equipment.	Radio Frequency Labs 261B	USN		
TS-691()/U TS-691/U	Meter Test Set	Calibrating equipment for dc meter equipment.	Radio Frequency Labs 262A	USN		
TS-692()/URM-11 TS-692/URM-11	Monitor Simulator	Radio test equipment, to be placed in Receiver Transmitter RT-173/ARC-33 to replace monitor.	Bendix Aviation N200389-1	AEL-51-R2		P/O AN/URM-11
TS-694()/UP	Spectrum Analyzer	Frequency range: 5000 to 5650Mc, pulse duration 0.3 to 5.0μsec, prf: 200 to 1000pps.		USN	XEL-135 (BuAer)	
TS-695()/FTM TS-695/FTM	Telephone Test Desk	Provides test facilities required for dial central office.	Automatic Electric 119	SCL		P/O AN/FTC-5,6
TS-696()/UPM-11 TS-696/UPM-11	Range Calibrator	Intercepts and re-transmits identical pulse delayed to CRT at 4000 yard multiples, 8600 to 9500Mc range.	Sperry Gyroscope Co 654721	AEL-49-605	71-5056-A	P/O AN/UPM-11
TS-696A/UPM-11	Range Calibrator	Intercepts and re-transmits identical pulse delayed to CRT at 4000 yard multiples, 6600 to 9500Mc range.	Sperry Gyroscope Co	AEL-51-523	MIL-T-945	P/O AN/UPM-11
TS-697()/U TS-697/U	Test Set Oscillator	MTI equipment, to measure short time stability of micro-wave oscillator, 1120 to 3200Mc.	Airborne Inst Lab	WL-51-1733	MCREE-924 (USAF)	
TS-698()/FTM TS-698/FTM	Telephone Test Set	Tests telephone connector switches.	Automatic Electric H45987	SCL-7903		
TS-699()/FTM TS-699/FTM	Telephone Test Set	Tests telephone relays, current flow.	Automatic Electric H-88733-1	SCL-7904		
TS-700/PT	Telephone Test Set	Impulse test set for testing telephone stepping switches.	Automatic Electric D-55165-B	SCL		
TS-701()/ASQ TS-701/ASQ	Magnetic Detector Test Set	Used to test the servo systems of the detecting set.	Radio Frequency Labs 452	USN	MIL-T-5486A	U/W AN/ASQ-8
TS-702()/ASQ TS-702/ASQ	Magnetic Detector Test Set	Cancelled 13 February 1951.		USN		
TS-703()/UF	Shutter Speed Tester	Photographic equipment to check camera shutter speeds. Cancelled 26 October 1954. Replaced by AN/FFM-3().	Melpar Inc X-258	SCL-8520		
TS-704()/UXC-2	Telegraph Test Set	Checks components of Telegraph Multiple Set AN/UXC-2().		USN	CS-1190 (BuShip)	P/O AN/UXC-2()
TS-705/U	Distortion-Noise Level Test Set	30 to 15,000cps, measures distortion from 0.3 to 100% and noise 85db below 100% modulation.	Radio Corp of Amer 69-C	SCL-9630		
TS-706()/UP TS-706/UP	Range Calibrator	Range calibration of Ord Department Set T-33, supplies sync and spaced pulses.	Western Electric Co GS-15095	SCL-8631		
TS-707()/U	Transmission Measuring Set	Measures noise in db above reference noise.		SCL-8767		
TS-708()/FRC-10 TS-708/FRC-10	Telegraph Test Set	Makes local terminal tests on carrier telegraph equipment.	Western Electric Co 160A-1	SCL-8793		P/O OA-640/FRC-10

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-709()/FRT-10 TS-709/FRT-10	Radio Test Set	Output: 35 to 150w adjustable, 90 to 350kc adjustable, for alignment.	Westinghouse Electric NO-7504022	USN	CS-11178	P/O AN/FRT-10
TS-710()/TSM TS-710/TSM	Quartz Crystal Unit Test Set	Measures effective resistance and frequency: 10 to 1100kc, 0 to 500kΩ.	JH Bunnell D-130100 Radio Frequency Labs	SCLS-3882	MIL-T-12333 (SigC)	
TS-711()/U	Frequency Divider	Frequency measurement, divider, divides 20 to 500Mc down to 1 to 10Mc.		SCL-9320		U/W CY-93()/FSM-1
TS-712()/TCC-11 TS-712/TCC-11	Telephone Test Set	Repeater test, range: 1kc to 68kc.		SCL-9187	MIL-T-10621 (SigC)	U/W AN/TCC-11()
TS-712A/TCC-11	Telephone Test Set	Checks transmission levels of 1 and 68kc, ringing signal of 1600cps, dc operating voltage, emission characteristics of amplifier tubes and measures battery current and voltage. Specialized measurements required in installation and maintenance of Telephone Repeater AN/TCC-11().	Winslow Elec Inc	SIMSA-62-465	MIL-T-10621	U/W AN/TCC-11
TS-713()/U TS-713/U	Synchro Test Set	Simulates output of antenna selsyns, consists of 36:1 and 1:1 selsyn and drive motor.	Airborne Inst Lab	WL-51-R22	WLENG-2144 (USAF)	U/W AN/FPS-3
TS-713A/U	Synchro Test Set	Simulates output of antenna selsyns, consists of 36:1 and 1:1 selsyn and drive motor.	Press-Wireless 80475	WL-56-1590	MIL-S-4927 (USAF)	U/W AN/FPS-3
TS-714/U	Synchro Alignment Set	Detection of electrical zero shaft position in 400cps synchro.	Norden Labs 3038-R-0006	USN		
TS-715()/FTC TS-715/FTC	Telephone Test Desk	Used to test lines and telephones served by exchange.	North Electronics Mfg HL-4662	SCL-9889		P/O AN/FTC-12()
TS-716()/U	Telephone Test Desk	Measures electrical characteristics of telephones, Headsets, handsets, magnetic and carbon microphones, etc.	Shallcross Mfg Co	SCL-8561		U/W Various SigC Telephone Sets
TS-717()/APG-26 TS-717/APG-26	Computer Test Set	Used for testing, calibrating, and servicing ballistics computers.	Westinghouse-Pitts IJD418-G1	USN		U/W CP-63/APG-26 CP-82/APG-26B CP-97/APG-26B
TS-718()/UPM-6A TS-718/UPM-6A	Radar Test Set	980 to 1125Mc; measures video pulse: 0.7 to 5μsec, 47 to 4100pps, peak voltage to 200/2000v. Performs "go-no-go" and accuracy tests on transponders and beacons interrogators; video. Tests.	Hazeltine Electronics A-8489	USA USN	(BuShips) SHIPS-R-127	P/O AN/UPM-6A
TS-719()/TTM TS-719/TTM	Telephone Test Set	Tone detection 20 to 3000cps, to identify wires in cable splicing.	Western Electric Co 62A	SCL-10117		P/O TE-56
TS-720()/TTC	Telephone Test Desk	Tactical, local, single section, single position per section.		SCL-9179	SCL-1037A	U/W AN/TTC-4()
TS-721()/UPM-6B TS-721/UPM-6B	Radar Test Set	980 to 1125Mc; measures video pulses: 0.7 to 5μsec, 47 to 4100pps, peak voltage to 200/2000v. Performs "go-no-go" and accuracy tests on transponders, beacons, interrogator-responders and video tests.	Hazeltine Electronics A-9115-3	USA USN		P/O AN/UPM-6B
TS-722()/ASA-10	Indicator Test Set	Airborne test equipment, to adjust amplifier-relay assembly of Indicator Group AN/ASA-10().	J H Kenney & Co PROJ 1952	USN	XEL-215 (BUAer)	U/W AN/ASA-10()
TS-723()/U	Spectrum Analyzer	Distortion measuring range: 20cps to 20kc, measures harmonic distortion on audio frequency voltages.	Hewlett-Packard 330D	SCL-5933		
TS-723A/U	Spectrum Analyzer	20 to 20,000cps, 3 bands. 4 channels; meter channel: 10cps to 10kc ±3%; distortion channel: rejects fundamentals from 20cps to 20kc (80db); set level channel: ±1db from 20cps to 20kc, ±2.5db from 10cps to 100kc; noise channel: ±1db from 20cps to 15kc, ±2%. Indicates 0 to 1ma ±1%. Input Z; meter channel: 37μμf // 1 or 3MΩ; all others: 0.2kΩ // 40μμf. Measures distortion level and noise.	Hewlett-Packard 330B	SCLM 1378	MIL-A-12067	
TS-723B/U	Spectrum Analyzer	10cps to 20kc ±2% in 3 bands. Input Z: 250kΩ for distortion and 2.5MΩ for voltage measurements. Voltmeter indicator: 0.03 to 300v fs ±3%.	Daven Co 36A	SESA-59-122	SIGSCA 46470	
TS-723C/U	Spectrum Analyzer	10cps to 20kc ±2% in 3 bands. Output: 0.03 to 300v ±3%. Input Z: 250kΩ (for distortion) and 2.5MΩ (for voltage).	Sentinel Elec Inc 10,000	SIMSA-61-2095	MIL-A-12067A	U/W AN/VRC-6, 19 AN/FRC-27 AN/GRC-10,39,40 AN/TRC-22,24,35,36
TS-725()/TTQ-3 TS-725/TTQ-3	Telephone Test Set	Continuity check, resistance test, ohmmeter 0 to 50kΩ.	Emerson Radio AS-1506	SCLE-4760	MIL-I-10768	P/O AN/TTQ-3() OA-596/TTQ-3
TS-726()/UPM-8 TS-726/UPM-8	Radar Test Set	Signal generator: 1007.5 to 1032.5Mc; modulation: paired pulses, 3/5/8 ±0.2μsec spacing, 1 ±0.1 to ±0.2μsec duration. Receiver: 1087.5 to 1112.5Mc, 900 ±25cps repetition rate. Simultaneous check of transponder features.		USA USN	MIL-R-152919 (SHIPS)	P/O AN/UPM-8
TS-730()/URM TS-730/URM	Bridge Summation	Null detection and power measurement (when used with bolometer) 0 to 50mw.	Bruno Inc 57-5601-1	WL-54-R-1228	MCREE-949	P/O AN/URM-22,23,24
TS-731()/URM TS-731/URM	Bridge Summation	Null detection and power measurement (when used with bolometer) 100w to 1mw.	Bruno Inc 57-A-5601-1 PRD Electronics	WL-54-R 2222 (USA)	RADC EXH: ENG-362	P/O AN/URM-19,20,21
TS-732()/BEW-1	Nupax Test Set	Computer equipment, tests all start up computers, amplifiers, detectors, and scram circuits.	Westinghouse-Pittsburg 55-A-7508	USN		P/O OA-335()/BEW-1
TS-733()/BEW-1	Nupax Test Set	Computer equipment, tests all start up computers, amplifiers, detectors, and scram circuits.	Westinghouse-Pittsburg 51-B-2392	USN		P/O OA-334()/BEW-1
TS-734A/SRA-9	Filter Test Set	Tests and calibrates filter sub-assemblies.	Brubaker Electronics 14-20,001	USN		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-735()/FPS-6 TS-735/FPS-6	Range Calibrator	Generates 10 and 50 mile marks and provides system trigger.	GE-Syracuse PL7603275G1	WL-56-R2027	MIL-R-2683A	P/O TD-73/FPS-6
TS-736()/FPS-6 TS-736/FPS-6	Elevation Calibrator	Eight, positive systems, trigger pulse, supplies 2μsec, 50v pulse, syncronized with system trigger.	GE-Syracuse PL7704495G1	WL-56-R-2028	MIL-R-26838A	P/O TD-73/FPS-6
TS-737()/U TS-737/U	Battery Test Set	Hand held, one meter calibrated 1.0 to 1.7v, 25.2 to 30v.	Federal TV Corp SC-D-76245 Burlington Inst Co	USA SCL-11299 SCLS	MIL-T-11455 (SigC)	U/W BB-401/U
TS-737A/U	Battery Test Set	Hand held, one meter calibrated 1.0 to 1.7v, 25.2 to 34.1v.	Burlington Inst Co	SCLM-1307	MIL-T-11455	P/O AN/USM-63() U/W MX-1678()/U
TS-738()/UPM-11A TS-738/UPM-11	Range Calibrator	Calibrates accuracy of radar sets, 8600 to 9500Mc pulses, 0.5 to 2.0 sec width, 200 to 4000pps, 90db below 1mw level.	Sperry Gyroscope Co	AEL-51-571		P/O AN/UPM-11A
TS-738A/UPM-11A	Range Calibrator	Calibrates accuracy of radar sets, 8600 to 9500Mc pulses, 0.5 to 2.0 sec width, 200 to 4000pps, 90db below 1mw level.	Capehart-Farnsworth	AEL-53-478	MIL-C-4372	P/O AN/UPM-11A
TS-739()/UPM-10 TS-739/UPM-10	Radar Test Set	Frequency measurement, contains sweep generator and attenuator, measures 8500 to 9600Mc, sweep generator 0 to 6Mc/sec.	Gen Communications P-212	USN		P/O AN/UPM-10
TS-739A/UPM-10	Radar Test Set	Frequency measurement, contains sweep generator and attenuator, measures 8500 to 9600Mc, sweep generator 0 to 6Mc/sec.	Gen Communications P-212	USN	SHIPS-R-157	P/O AN/UPM-10A
TS-739B/UPM-10	Radar Test Set	Frequency measurement, contains sweep generator and attenuator, measures 8500 to 9600Mc, sweep generator 0 to 6Mc/sec.	Lewyt Mfg Co	USN	SHIPS-T-1661	P/O AN/UPM-10B
TS-741()/BQR-4 TS-741/BQR-4	Amplifier Test Set	Sonar equipment, measures gain and phase shift.	Edo Corp 10270	USN		P/O AN/BQR-4
TS-742()/U	Spectrum Analyzer	15.8 to 16.2kMc ±2Mc. CRT display of each frequency component as power plotted versus frequency. Measures width and CW spectrum of pulsed signal.		USA SCL-12010	SCL-2229	
TS-743()/U TS-743/U	Radar Test Set	Range: 15,800 to 16,200Mc, measures power output and frequency of transmitters and sensitivity of receivers, and alignment of RF circuit.	Polorad Electronics	USA SCL	SCL-2228	P/O AN/UPM-60
TS-744()/USM-19 TS-744/USM-19	Electronic Micrometer	Measures 0.100 to 0.300 inches, read on panel meter. Measurement range: 0.000 to 0.400 inches.		USN	MIL-D-15867	P/O AN/USM-19
TS-745()/APM-66 TS-745/APM-66	Altimeter Test Set	Tests radar; checks operation and measures voltage, current and height.	Raytheon-Waltham 1804C	USN	MIL-T-945A	P/O AN/APM-66()
TS-746()/APM-66 TS-746/APM-66	Radar Altimeter Calibrator	Calibrates altitude indications of Radar AN/APN-22, fixed altitude calibration 200 and 300 ft.	Raytheon-Waltham 1805A	USN	MIL-T-945A	P/O AN/APM-66()
TS-747()/U	Calibrator Test Set	Vibrator test, power supply test, measures serviceability of vibrators.		SIGGG-CΩ		
TS-748()/U TS-748/U	Telephone Test Set	Fault location, on long and/or loaded cables, tuned to 20cps test signal.	Western Electric Co 78A	SCL-11330		P/O AN/PTM-1()
TS-749()/GPA-11 TS-749/GPA-11	Radar Test Set	Checks sensitivity over 2700 to 2900Mc range.	Airborne Inst Lab 491-164	WL-51-2367	ENG-1334 (USAF)	P/O OA-400()GPA-11
TS-750()/URM TS-750/URM	Radio Test Set	100cps to 20kc, 20 to 100kc, 100kc to 425Mc. Used for: fault isolation, detection and analysis of RF in receivers, signal tracing through RF, IF, and audio stages and measures frequency and amplitude of RF signals from external generator.	Feiler Eng Co TS-3AN	USA USN		
TS-751()/U TS-751/U	Battery Test Set	Dry cell, counter type, 1 meter calibrated in amperes 0 to 1000a dc, predicts service life.	Hickok Electrical Inst	SCLS-3538	SCL-3156	
TS-752()/ASB-1 TS-752/ASB-1	Crystal Test Set	Tests receiver, search AFC and Beacon AFC crystal currents.	Philco Corp	USN		
TS-753()/ASB-1 TS-753/ASB-1	Gyroscope Test Set	Qualitative check of operation of erection systems.	Norden Labs 3038-B -0020	USN		
TS-754/BQM-1	Sonar Test Set	1000 to 40,000 cycle range, provides signals to test target hydrophone.	Dyna-Labs Inc	USN	MIL-N-16504A	P/O AN/BQM-1 U/W AN/BQR-3,3A
TS-757()/UPM-32 TS-757/UPM-32	Radar Test Set	Measures power, frequency, visual display of frequency spectrum, receiver recovery time, sensitivity and bandwidth, signal generator range: 8500 to 10,500Mc.	Sperry Gyroscope Co 570	USN		P/O AN/UPM-32
TS-758()/SPS-2	Computer Calibrator	Used for testing computer and calibrating range height indicators.	GE-Syracuse 7300903	USA USN	BuShips CS-1239	U/W AN/SPS-2
TS-759()/UXC-2	Telegraph Test Set	Voltohmmeter (2MΩ/v on 5v range) 6 ranges: 0 to 5/10/50/100/1000v. 5 inch CRT.	Melpar Inc X499	USN	CS-1190	P/O AN/UXC-2()
TS-760()/TCC-7 TS-760/TCC-7	Telephone Test Set	Oscillator: 1 to 65kc; detector: 1 to 120kc and 12/28/37/62/65/68kc. Provides circuits for making transmission measurements at various test jacks on panel and chassis of Telephone Terminal AN/TCC-7().		USN SCL-11688	MIL-C-10623 SigC	P/O OA-443()/TCC-7
TS-761()/TCC-8 TS-761/TCC-8	Telephone Test Set	Oscillator: 65 to 68kc; detector: 12/28/37/62/65/68kc. Provides circuits for making transmission measurements at various test jacks in panels and chassis of Telephone Repeater AN/TCC-8().		USA SCL-11696	MIL-R-10624 (SigC)	P/O OA-446()/TCC-8
TS-762()/TC TS-762/TC	Audio Test Set	Transmission measuring set, for aligning telephone circuit.	Daven Co 2120	SCLC-8610	MIL-R-10615	P/O AN/TCC-13() AN/TCA-1()
TS-764()/ASQ-10	Servo Test Set	Checks orientation (to within 1 minute of arc) and error (to 0.5 minute or greater, ±20%) of first and second axis servos and permits adjustment of servo gain and orientation controls.	Airborne Inst Labs	USA USN		P/O AN/ASQ-10()

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-765()/U TS-765/U	Battery Syringe Hydrometer	Battery test, hydrometer, 1 barrel, glass, 1.040 to 1.420 specific gravity.	E Edelman & Co 42	SCLS-3222	MIL-H-12240	
TS-767()/UPM-42	Radar Test Set	Measures power and frequency. Visual display of frequency spectrum of RF pulses. Measures receiver recovery time, sensitivity and bandwidth, performance TR boxes and AFC boxes.		USA USN		P/O AN/UPM-42()
TS-768()/UPM-44 TS-768/UPM-44	Radar Test Set	Measures spectrum, frequency and power sensitivity bandpass and recovery time of receiver 2700 to 3400Mc frequency range.	Sperry Gyroscope Co	USN	MIL-T-945A	P/O AN/UPM-44()
TS-768A/UPM-44	Radar Test Set	Measures spectrum, frequency and power sensitivity bandpass and recovery time of receiver 2700 to 3550Mc frequency range.	Sperry Gyroscope Co 590	USN EL-41		P/O AN/UPM-44A
TS-768B/UPM-44	Radar Test Set	Measures spectrum, frequency and power sensitivity bandpass and recovery time of receiver 2700 to 3550Mc frequency range.	Sperry Gyroscope Co 590	USN		
TS-768C/UPM-44	Radar Test Set	Measures power, frequency, spectrum and frequency pulling of conventional and multipulsed radar transmitters, sensitivity and bandwidth of radar receiver. 2.7 to 3.55kMc range for meters.	Polarad Electronics E129278	N-60-T-817		P/O AN/UPM-44C
TS-769()/U	Spectrum Analyzer	Checks magnetron performance 8500 to 9600Mc range, 2 bands, also view spectra of pulsed oscillators.	PRD Electronics 855A	SCLM-1039		
TS-770()/APM-67 TS-770/APM-67	Radar Test Set	Measures receiver sensitivity, transmitter power output, uses CRT, pulse generator output: 9326 to 9424Mc.		AEL-53-R199	WCE-383	P/O AN/APM-67
TS-770A/APM-67	Radar Test Set	Checks receiver sensitivity, power output, coding, frequency and magnetron currents, 9330 to 9420Mc signal output.	Espey Mfg Co	AEL-56-736	WCE-383	P/O AN/APN-67
TS-771()/UPM	Radar Test Set	Measures system performance, frequency, and frequency spectrum; indicates relative RF average power output.	Johnson Service Co 39252		CS-975 (BuShips)	
TS-772()/GT TS-772/GT	Relay Test Set	Telephone test equipment, tests relay operation and indicates when relay adjustment is approaching failure.	Wickes Eng & Const 5500267-501	USA SCLC-5517 SCLM	MIL-O-10605 (SigC)	P/O AN/TTQ-(),2() AN/MTQ-1()
TS-773()/PTM-3 TS-773/PTM-3	Telephone Test Set	Measures losses and gains in equipment, signal generator fixed frequency, output: 500/1000/2500cps.	A F Smuckler			P/O AN/PTM-3()
TS-774()/UPM-47	Radar Test Set	8600 to 9600Mc. Generates target moving simultaneously in range, azimuth and elevation. Gives "go-no-go" on radar system by comparing target trace on pilot's indicator with what it should be.	Aircraft Armaments 36-040010	USA USN		P/O AN/UPM-47()
TS-775()/APM-69	Radar Test Set	CRT (2 inch) and voltmeter and ammeter. Used in conjunction with MX-1474/APM-69. Panel lights indicate satisfactory operation of relay circuits.		USA AEL-52-632		P/O AN/APM-69
TS-776()/U TS-776/U	Battery Test Set	Hand held for storage batteries, range: 1.0 to 1.7 and 24 to 37.4v scales.	Hickok Electrical Inst	SCLS-3469	MIL-T-12400 (SigC)	
TS-777()/URD-4 TS-777/URD-4	Radio Test Set	Measures voltage and current at 11 contact test receptacle and tube sockets.	Bendix Radio L200399-2	USA USN	MIL-D-16252	P/O AN/URD-4
TS-777A/URD-4	Radio Test Set	Measures voltage and current, 0 to 100μa dc.	Bendix Aviation L200399-3	N-59-X-2911		
TS-778()/PTM	Telephone Test Set	Measures transmission losses through field and spiral-four cable, 1000cps frequency used.		SCLC-5810		
TS-779()/U TS-779/U	Summation Bridge	Power measurement using bolometer, measures 0 to 10mw in increments of 1mw and 0 to 10mw in 0.1mw increments.	Sperry Cyroscope Co 123 4300 Hewlett-Packard	SCLE-12054		P/O AN/URM-98() U/W CG/1062()/U CG/1063()/U
TS-779A/U	Radio Frequency Power Test Set	Used to measure power output in milliwatts or decibels. Input frequency range: 10Mc to 40.0Mc.	Hewlett-Packard 430C	SIMSA-61-154		P/O AN/UPM-98
TS-780()/URM-37 TS-780/URM-37	Radio Frequency Interference Detector	Not for CW or MCW without special adapter, range: 0.15 to 1000Mc, for impulse type interference.	Measurements Corp H-4303	USN		P/O AN/URM-37
TS-781()/PD TS-781/PD	Radiac Meter Calibrator	Radiophoto-luminescent glass, gamma rays and/or x-rays, 0 to 600 reontgen.	Corning-Glass Works	USN	SHIPS C-987	
TS-784()/PD TS-784/PD	Radiac Calibrator	Ionization equivalent calibration 4 to 40,000 mr/hour in 5 steps.	El-Tronics Inc 5238	SCLE-6213		U/W AN/PDR-T190, 38()
TS-784A/PD	Radiac Calibrator	Measures from 4mr to 40,000mr/1 hour.	Landsverk Electrometer SC-A-46531B	SESA-60-106		U/W AN/PDR-T-1(),39 IM-108/PD
TS-785()/GG TS-785/GG	Teletype-writer Test Set	Measures signal distortion, 20 or 60ma neutral telegraph signal input, 60, 75 or 100 words per minute speeds.	Western Electric Co X75041A	SCLM-1071		
TS-787/APM-72	Radar Test Set	Range bridge circuit: +200vdc, reference positions at 900/2250/2400/3900/5400/8400 feet; pulse delay circuit: simulated pulse at 900 and 2250 feet or 900 and 5400 feet, also uncalibrated pulses. Measures supply voltage and frequency magnetron, AFC and radar crystal current, radar pulse repetition rate calibration, tracking, automatic noise voltage and receiver and lock-on sensitivity.		USA USN	AN-E-19 MIL-T-945A	P/O AN/APM-72
TS-788/A	Magnetic Compass Alignment Set	Aligns gyrosyn flux valve providing no compensating unbalance needed.	Norden Labs 3038-S -0240	USN		U/W AN/ASB-1

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TS-789/ASB-1	Amplifier Test Set	Tests frequency response gain. Output: meter shows level of output in narrow or wide band, or linear or logarithmic operation. Checks Log IF Amplifier E-1700.	Norden Labs	USA USN		U/W RT-170/ASB-1
TS-790/ASB-1	Gyroscope Test Set	Tests speed of erection procession operation.	Norden Labs ORD272261	USN		U/W CN-100/ASB-1
TS-793()/FPS-13 TS-793/FPS-13	Summation Bridge	Measures average power of small sample of RF power in transmission line to antenna. Also duty cycle and Wheatstone Bridge measurement of peak power.		USA USN		P/O AN/FPS-13
TS-794/APS-20	Synchro Test Set	Simulates output of radar vertical reference gyro for test and alignment of tilt function.	Hazeltine Electronics 4-35740-B	USN		U/W OA-493/APS-20
TS-795A/ASM-3	Power Supply Test Set	Provides circuits for testing Power Supply PP-447/ASQ-8. Supplies regulated ac power for Calibrator Generator TS-796/ASM-3 and Amplifier Test Set TS-798/ASM-3.	Texas Instruments Inc 35309	USN-58-ah-1593		P/O AN/ASM-3
TS-799()/UGM-1	Teletype-writer Test Set	Tests message w/predetermined marking or spacing bias or marking or spacing end distortion.		SCLC-8255		P/O AN/UGM-1()
TS-800()/UGM-1	Teletype-writer Test Set	Tests message w/predetermined marking or spacing bias or marking or spacing end distortion.		SCLC-8256		P/O AN/UGM-1()
TS-801A/APM-74	Inertia Switch Calibrator	Turntable used to calibrate Switch SA-235/APA-57 rate of turn one-sixth to five-sixths rpm is indicated on a dial.	Taffett Electronics T319-88-4401	N-60-Q 1821	MIL-T-18460 (AER)	P/O AN/APM-74 U/W TS-801/APM-74
TS-802/U	Amplifier Test Set	Determines operating characteristics, measure operating voltages and waveforms.		USN		U/W AM-345/AVQ-2
TS-803/URT	Tuner Test Set	Adjusts Tuner TN-197/URT.	Fed Telecommun Labs D-2140104-E	USN		U/W AN/URT-2,3,4
TS-804/URT	Antenna Control Group Test Set	Tests Group OA-297/URT.	Fed Telecommun Labs D-2140142-C	USN		P/O AN/URM-69
TS-805()/U TS-805/U	Stroboscope	Flashing light synchronization 600/14,400rpm range, to measure speed of rotating vibrating mechanisms.	General Radio Co 631-B	SESA SCLM-1079		
TS-805A/U	Stroboscope	Flashing light synchronization 600/14,000rpm range, to measure speed of rotating vibrating mechanisms.	General Radio Co 631-BL	USN		
TS-805B/U	Stroboscope	Speed ranges: 60 to 1500rpm, 600 to 15,000rpm flashing light synchronization.	Electronic Brazing 510AL	SESA-59-259		
TS-805C/U	Stroboscope	Used for measuring the speed of rotating, reciprocating, or vibrating mechanisms and for observing their operations while in motion.	Mercury Electronic(NJ) 451-AL	SIMSA-61-172		
TS-805D/U	Stroboscope	600 to 15,000cps ±1%; flashing light sync. For measuring speed of rotating, reciprocating or vibrating mechanisms and observing their operation while in motion.	Electronic Brazing 510-B	SIMSA-62-138		
TS-806()/U	Electronic Tachometer	Speed measurement: 100 to 20,000cps, can measure speeds of from 10 to 10,000rpm without loading machinery under test rpm.	Berkley Scientific 441	SCLM-1678		U/W FR-67()/U
TS-806/U	Electronic Tachometer	Photo-cell type, 50 to 20,000pps, measures rotating of 50 to 20,000rpm without loading machinery under test.	Berkley Scientific 441	SESA-57-1107		U/W FR-67/U
TS-807()/ARM-10 TS-807/ARM-10	Radio Test Set	Radio Compass AN/ARN-6, checks components and indicators calibration.		AEL-53-290	WCL-622	P/O AN/ARM-10
TS-808()/USM-39 TS-808/USM	Computer Test Set	Tests and maintains Computer Set AN/ASN-6,7 and any servo amplifier, servos or synchros.	Ford Instrument Co		WCLN-1094	P/O AN/USM-39
TS-809/AQM-2	Pressure Calibrator	Contains 2 pressure gauges and necessary valves.	Raytheon-Waltham 2108A	USA USN	MIL-H-15362	P/O AN/AQM-2
TS-810()/U	Crystal Calibrator	Oscillator, crystal controlled, 5 channels, 1Mc, 100kc, 10kc, 1kc and 100cps, pulse output: 0.1μsec wide, from +0.5v to 5v adjustable, 93Ω load.	DuMont Labs 89013191	USN		
TS-811()/ARM-11 TS-811/ARM-11	Radio Test Set	Tests and analyzes tuning system of RT-263/ARC-34 10 to 0 to 10v, 0 to 200ma, 0 to 3a meters.		USA AEL-53-422	MIL-T-945A	P/O AN/ARM-11
TS-812()/UPM-54	Spectrum Analyzer	23 to 25kMc frequency range: single band, with pulse width: 0.02μsec and repetition rate: 5 to 20kc.	Polarad Electronics	WL-53-1719	USAF EXH: ENG-1544	P/O AN/UPM-54()
TS-815()/UAM TS-815/UAM	Image Converter Tube Test Set	Tube test, infra-red image converter tube measures conversion index, background brightness and resolutions.	Engineering R&D		USN	
TS-816()/U TS-816/U	Telephone Test Set	Performs insulation breakdown test. Output: 630vdc and 0 to 2k/2MΩ ranges. dc tone: intermittent or continuous output: 500cps.	Western Electric Co KS-14103	USA SCLC-8501		U/W AM-4()/U
TS-819()/U	Telephone Test Set	Tone detection 20 to 3000cps, to identify cables for splicing. Cancelled 13 February 1963.	Western Electric Co 62-A	SCLM-1106		P/O TE-56-()
TS-820()/U	Telephone Test Set	Detects presence or absence of power hum for cable identification.	Western Electric Co 79C	SCLM-1108		P/O TE-56-()
TS-821()/APM-77	Radar Altimeter Calibrator	Calibration of altimeter, 0 to 60,000 ft range in 5000 ft increments, also provides for syncing oscilloscope.	Radio Corp of Amer	AEL-53-104	USAF MCREE-574	P/O AN/APM-77()
TS-822()/U TS-822/U	Radio Test Set	Used for maintaining and aligning BC-611-() Receiver-Transmitter.	Precision Associates C-216	SCLM-7299		P/O IE-17-E U/W BC-611-()

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TS-823/ARM-25	Radio Test Set	Navigational, checks bearing, distance and beacon identity indications of AN/ARM-21.	Hoffman Labs 8020000015	USN	MIL-T-18497 (AER)	P/O AN/ARM-25
TS-823A()/ARM-25 TS-823A/ARM-25	Radio Test Set	Tests airborne portions of TACAN, VORTAC or DMET systems in-flight. 0 to 150 miles, 90° or 180° azimuth -7dbm max RF output, +23 to +66dbm sensitivity. Two TACAN channels immediately available with other 124 channels by crystal change (supplied with set).	Hoffman Labs	AEL-60-6		P/O AN/ARM-25A
TS-824/U	Amplifier Test Set	Measures voltage and current output and checks relay closure.		USN	MIL-T-945	
TS-829/USM-43	Mutual Inductance Electronic Micrometer	Range: .01/.1/1.0/10 mils peak (single) amplitude, full scale.	Self-Winding Clock Co	USN	SHIPS M-1076	
TS-830/U	Crystal Test Set	Checks operation of germanium diodes, forward range, current: 0.3/1.2/6/12ma, voltage: 0.3/1.2v full scale.	GE-Schenectady ST-12A Fed Tele & Radio Corp	USN		
TS-831()/MSA-6	Computer Test Set	Cancelled.		ORDDW-7657		
TS-832()/MSA-6	Computer Test Set	Cancelled.		ORDDW-7557		
TS-833()/U TS-833/U	Spectrum Analyzer	2.4 to 3.4kMc ±1%. CRT display shows power versus frequency. Makes RF pulse analysis, radar system oscillator adjustment, magnetron pulling and AFC operation, weak signal detection, precise frequency measurement, SWR by heterodyne methods.	Polytechnic Res & Dev 853	USA ORDTU-28		P/O GS-16400
TS-833A/U	Spectrum Analyzer	Same description as TS-833/U.	Polytechnic Res & Dev 853B	USN		
TS-836()/UGM	Relay Test Set	Measures and adjusts bias of telegraph keying relays; range: 20 to 100cps.	Western Electric Co	SCLC-8718		
TS-837()/MKR-7 TS-837/MKR-7	Telemetric Data Calibrator	Supplies test voltages required to adjust the 8 channels of the multi-channel oscillator. Cancelled 14 January 1957.		ORDTU-110		P/O AN/MKR-7()
TS-838()/MSM-4 TS-838/MSM-4	Autopilot Test Set	Airborne equipment, adjust balance, fin amplifier gain and phase and overall gain and phase of system.	Jet Propulsion Labs 3532-8125173	ORDTU-130	JPL-3514-B	P/O AN/MSM-4
TS-842()/G TS-842/G	Capacitor Decade	1.11μf; 0.001μf steps. Cancelled 15 August 1955.	Industrial Inst Inc DK-2A	USA		
TS-843()/G TS-843/G	Capacitor Decade	1.11μf; 0.001μf steps. Cancelled 15 August 1955.	Industrial Inst Inc DK-10	ORDTU-51-54		
TS-844()/MS TS-844/MS	Surveying Level	Surveying equipment to use with placement of antenna for acquisition radar.	Western Electric Co D153982	ORDDW-209-56		P/O OA-653/MS
TS-845/MSM-4	Relay Test Set	2 indicating lamps for light when prf falls below 500pps.		ORDTU-62-54		P/O AN/MSM-4
TS-846()/URM-83 TS-846/URM-83	Radio Frequency Cable Test Set	High voltage and current tests in RF cables volt and amp meters. Portable.	Capehart-Farnsworth	USA AEL-54-108	WCES 52-59	P/ AN/URM-83
TS-847()/MSW-1 TS-847/MSW-1	Radar Test Set	Classified.		ORDDW-16-56		
TS-847A/MSW-1	Radar Test Set	Classified.		ORDDW-288-57		
TS-848()/SPM-7 TS-848/SPM-7	Radar Test Set	Classified.		USN		
TS-849()/SPM-7 TS-849/SPM-7	Radar Test Set	Classified.		USN		
TS-850()/SPM-7 TS-850/SPM-7	Radar Test Set	Classified.		USN		
TS-851()/SPM-8 TS-851/SPM-8	Radar Test Set	Classified.		USN		
TS-852()/SPM-8 TS-852/SPM-8	Radar Test Set	Classified.		USN		
TS-853()/SPM-8 TS-853/SPM-8	Radar Test Set	Classified.		USN		
TS-854()/SPM TS-854/SPM	Radar Test Set	Classified.		USN		
TS-855()/MPA-4 TS-855/MPA-4	Precision Master Level	Antenna aligning equipment, to level antenna and provide indication of level for alignment purposes.	Bell Telephone Labs GS-17150	ORDDW-9-56		P/O OA-858/MPA-4 OA-859/MPA-4
TS-856/FR	Multiplexer Test Set	Radio relay link equipment, 970 to 1030cps range; measures line noise, gain and loss, distortion.	Daven Co 12A	USN		
TS-857()/UPM-48 TS-857/UPM-48	Antenna Test Set	Classified.		USA AEL-54-84		
TS-858()/SPM TS-858/SPM	Radar Test Set	Classified.		USN		
TS-859()/AP	Radar Test Set	Classified.		USN		
TS-860/UQM-1	Sonar Test Set	Tests receiver sensitivity, minimum detectable pressure or threshold echo level; signal generator output: 2.4 to 24kc and 24 to 240kc.	Ultrasonics Corp 165-700	USN	MIL-T-17246A	P/O AN/UQM-1

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TS-861()/DSM-10 TS-861/DSM-10	Wiring Harness Test Set	Performs automatically sequenced continuity and short to ground tests on missile harnesses.	Sperry Gyroscope Co 1,000,083	USA USN	BuAer SR198	P/O AN/DSM-10 U/W AAM-N-2
TS-862()/DSM-10 TS-862/DSM-10	Battery Test Set	Missile test equipment, tests battery of missile under load conditions.	Sperry Gyroscope Co 1,000,071	USN EL-4131		P/O AN/DSM-10 U/W AAM-N-2
TS-863()/DSM-11 TS-863/DSM-11	Receiver Test Set	Supplies 1200pps, AM at 50cps; voltage: 0 to -50vdc, 0 to -10vdc, 170/6.3/-135vdc. Supplies input power and signal voltages to missile receiver and provides meters and test points for measuring outputs. U/W Sparrow I Missile.	Sperry Gyroscope Co 1,000,265	USN		P/O OA-752/DSM-11 U/W AAM-N-2
TS-864()/DSM-11 TS-864/DSM-11	Amplifier Test Set	Supplies operating power and control voltages to missile servo amplifier and provides meters and test points for measuring outputs.	Sperry Gyroscope Co 1,000,267	USN		
TS-865()/DSM-11 TS-865/DSM-11	Amplifier Test Set	Supplies operating power and control voltages to a missile guidance amplifier and provides test points for measuring amplifier outputs.	Sperry Gyroscope Co 1,000,225	USN		P/O AN/DSM-11 U/W AAM-N-2
TS-866()/DSM-11 TS-866/DSM-11	Gyro Test Set	Missile test equipment, supplies all voltages to test a missile free gyro; measures voltage and current, impedance, drift, etc.	Sperry Gyroscope Co 1,000,257	USN		P/O OA-753/DSM-11 U/W AAM-N-2
TS-867()/DSM-11 TS-867/DSM-11	Gyro Test Set	Missile test equipment, supplies all voltages to test a missile rate gyro; measures voltage and current, impedance, drift, etc.	Sperry Gyroscope Co 1,000,255	USN		P/O OA-753/DSM-11 U/W AAM-N-2
TS-868()/DSM-11 TS-868/DSM-11	Amplifier Test Set	Supplies input power and signals to a missile summing amplifier and provides test points for measuring outputs. Includes a leveling fixture for the amplifier.	Sperry Gyroscope Co 1,000,268	USN		P/O OA-754/DSM-11 U/W AAM-N-2
TS-869()/DSM-11 TS-869/DSM-11	Hydraulic System Test Set	Missile test equipment, to test missile hub section, measures voltage, current, phase and frequency.	Sperry Gyroscope Co 1,000,261	USN		P/O OA-755/DSM-11 U/W AAM-N-2
TS-870()/DSM-11 TS-870/DSM-11	Power Supply Test Set	Missile test equipment, supplies power to and checks missile rectifier unit.	Sperry Gyroscope Co 1,000,259	USN		P/O OA-756/DSM-11 U/W AAM-N-2
TS-871()/DSM-11 TS-871DSM-11	Vibrator Test Set	Missile test equipment, power supply test, vibrator, supplies power to and checks missile battery unit.	Sperry Gyroscope Co 1,000,258	USN		P/O OA-756/DSM-11 U/W AAM-N-2
TS-872/UPM-9	Radar Test Set	Frequency and power measurement: 5100 to 5900Mc, max pulse power 1000w. Visual display of power spectrum of CW and pulsed RF using 3" CRT with sweep (2 to 60μsec/3") and sweep delay and with 1kc to 8Mc response.	PRD Electronics	USN	MIL-R-8560 (Aer)	
TS-873()/U	Crystal Unit Rectifier Test Set	Tests front and back resistance of germanium crystals: 0 to 500Ω at + 1v and 0 to 1MΩ at -10, -50 or -100v.		SCLE-4852		
TS-874()/DSM	Electrical Power and Servo Test Set	Cancelled 22 January 1958.		ORDDW-331-57		
TS-874A/DSM	Electrical Power and Servo Test Set	Provides means of checking servo systems in Nike B Missile. To be used in launching area. Includes a 50μa(dc) and 10-0-10μa(dc) and 25-0-25μa(dc) full scale voltmeters. Also tests vibrator power supply.		ORDDW-89-57		
TS-875()/DSM	Potentiometer Centering Test Set	Cancelled 24 December 1957.		ORDDW-333-57		
TS-876()/SPM-8	Radar Test Set	Classified.		USN		
TS-877()/UPM-52 TS-877/UPM-52	Radar Test Set	Field strength measurement, X-band. 30cps output for oscilloscope display to permit modulation analysis.	Western Electric Co GS-17212	USN		P/O AN/UPM-52 U/W AN/MSG-3
TS-878()/DRM-1 TS-878/DRM-1	Relay Assembly Test Set	Performs a functional bench test of the command control relay shelf.	Cook Electric Co CVTS-20	USN	MIL-T-945A	P/O AN/DRM-1
TS-879()/URM-65	Relay Test Set	For receiver-transmitter check, has 100 indicating "go-no-go" lights to indicate operation.		USA AEL-54-489		P/O AN/URM-65
TS-880()/MPG-25 TS-880/MPG-25	Radar Test Set	Classified.		ORDTU-147-54		
TS-881()/ARD-10 TS-881/ARD-10	Direction Finder Calibrator	Classified.		USA-AEL-54-507		
TS-882/SPQ-2	Radar Test Set	Classified.		USN		
TS-883/MSQ-7	Relay Test Set	Used to set contacts on Relay Assembly RE-208/MSQ-7.	Ultrasonics Corp DA-113-48	USN	Memo Report No 28-51	
TS-884()/UPM-61 TS-884/UPM-61	Range Calibrator	No input pulse required, output: 400/800/1600/2000/4000pps, 0.5μsec wide and 27.5v amplitude at intervals of 500 yards.		USA		P/O AN/UPM-61
TS-885/UP	Spectrum Analyzer	5100 to 5900 ±1Mc, 40Mc; CRT type display. Sensitivity: noise level for CW of -95dbm or lower, pulse signal of -30dbm and gates for separating pulse spectra. Provides means of analyzing RF signal characteristics of radar and radar simulators used with guided missile testing operating data.		N-60-W-2370	MIL-T-18526B	P/O AN/SPM-9
TS-886/DSM-14	Terminal Controller Test Set	Contains circuitry necessary to provide simulated dump, accelerometer, and rate gyro signals to the terminal controller.	Cook Electric Co CVTS-38	USN	MIL-T-945A Amend 1	P/O AN/DSM-14

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TS-887/FPN-28	Relay Test Set	Tests operation of hermetically sealed plug-in relays.	Bendix Radio	USN	R-1081A	
TS-888()/UR	Telegraph Test Set	Provides undistorted signals (reversals) for alignment.		USA SCLC-10095		
TS-889()/TFM-3	Photographic Synchronizer Tester	Measures shutter speed and flash synchronization.	Rush Instruments Co RD	USA SCLS-3774		P/O AN/TFM-3()
TS-890A/URN-3	Pulse Analyzer Signal Generator	Measurement of RF pulse spectrum, measure of receiver sensitivity; signal generator; 1035Mc to 1150Mc, output: 10μv to 0.5v pulse or CW modulation.	Fed Tele & Radio Corp	USN-58-b-806	MIL-R-19851 (SHIPS)	U/W AN/GRN-9() AN/SRN-6 AN/URN-3
TS-890B/URN-3	Pulse Analyzer Signal Generator	Checks the RF pulse spectrum and measures sensitivity and selectivity. Signal generator range: 1025 to 1150Mc, output: 10μv to 0.5v.	International Tel&Tel 1054946-3	N-60-b-1980	MIL-R-19851	U/W AN/GRN-9,9A AN/SRN-6
TS-890C/URN-3	Pulse Analyzer Signal Generator	U/W all models of TACAN. Measurement of RF pulse spectrum, measure of receiver sensitivity, signal generator: 1025Mc to 1150Mc, output: 10μv to 0.5v pulse or CW modulation.	Hoffman Electronics	N-61-b-1129	MIL-R-19651 SHIPS-F-3592	U/W AN/GRN-9,9A,9B,9C AN/SRN-6,6A AN/URN-3,3A
TS-891/URN-3	Power Meter-Pulse Counter	Measures peak power 0 to 7.5kw and 80 to 8000pps.	Olympic Radio & TV AS15477	USN	MIL-T-18428	U/W AN/URN-3
TS-892()/MSM-4 TS-892/MSM-4	Guided Missile Test Set	Makes opertional status check on Signal Data Converter CU-316/DJW-1 in Guided Missile XM2E1.	Gilfillan Bros	USA ORDTU-230-54		P/O AN/MSM-4
TS-893()/MSM-4 TS-893/MSM-4	Guided Missile Test Set	Classified.		ORDTU-231-54		
TS-894()/U	Decade Resistor	0 to 1/111/100Ω in 10Ω increments.	General Radio Co 1432-P	USA SCLM-1160		
TS-895()/UPM-64	Frequency Calibrator	3kc to 36k fixed frequency; calibrates height markers of AN/CPQ-7().		USA SCLE-9398		P/O AN/UPM-64()
TS-896()/G	Crystal Impact Fuze Test Set	Special weapon device to measure voltage output of crystal impact fuzes used on skin of special weapons.	Sandia Corp T57A	USAF SWV-54-120		
TS-897()/U TS-897/U	Electrical Power Test Set	Checks voltage and current and ripple of single and multiple output dynamotors.	Insuline Corp of Amer	USAF AEL-54-737	MIL-D-4629A	
TS-898()/UPM-66 TS-898/UPM-66	Radar Test Set	Performance check for pre-flight or bench test, system subclutter, visability, receiver and comparator subclutter.	Lab for Electronics	USAF AEL-54-1003	MIL-T-945	P/O AN/UPM-66
TS-899/ARM-20	Radio Test Set	Performs "go-no-go" tests on K1901 and K1902 of AN/ARN-21, C-866/ARN-21, ID-310/ARN, CV-279/ARN.	Fed Tele & Radio Corp NUS-3068	USN-EL-4132		P/O AN/ARM-20
TS-900()/TTC	Telephone Test Set	Tests signalling circuit, indicates presence or absence of proper signalling condition.		USA SCLC-10210	SCL-1036	P/O TA-216()TTC
TS-901()/MPS-19 TS-901/MPS-19	Radar Test Set	Classified.		WL-54-2020		
TS-902()/TCC-4	Relay Test Set	Telephone test equipment on out-of-order lines, tests for grounds and crosses on lines.		USA-SCLC-10230	SCL-1037	P/O AN/TCC-4()
TS-903()/G TS-903/G	Telephone Test Set	Tests carbon and magnetic type microphone, receivers, capacitors, dials, generators, and ringers.	Precision Associates I-142	USA SCLC-10180 SCLM	MIL-T-11003 (SigC)	
TS-905()/GR	Wavemeter	Frequency measurements, 7100 to 8200Mc range, micro ammeter indicator:0 to 50μa.	Motorola, Chicago X1089	USAF WL-55-R 1674	RADC-1568	P/O OA-1002()/TRT-4 OA-1001()/TRR-9 AN/TRC-45() AN/TRQ-13(),11(), 12() AN/FRQ-5(),6()
TS-906()/ULM	Spectrum Analyzer	150kc to 2.5Mc range; 7 fixed frequencies; 150/250/500kc and 1/1.5/2/2.5Mc.		USA SCLE-9507		
TS-907/ULR	Radio Test Set	Provides mechanical wobbulating for alignment of pre-selectors (RF tuners). External scope is required.	Collins Radio 2786D1199	USN	SHIPS-S-1710	U/W AN/BLR-1 AN/SLR-2
TS-908()/URW-9	Flight Control System Test Set	Used in pre-flight test of electrical and mechanical operation of equipment in target aircraft.	Sommers Gyroscope Co 197A	USAF AEL-55-305	WCLSE-2-281206	P/O AN/URW-9(V)
TS-909()/PPM TS-909/PPM	Computer Test Set	Synchro test equipment, used to position synchros in computer so they are exactly on zero.	GE-Syracuse D-7605486G1	USA SCLE-9640		P/O AN/MPM-25()
TS-910()/MSQ-1A TS-910/MSQ-1A	Multitester	Electronic type, 0 to 1500vdc in 7 steps, 0 to 1500vac in 6 steps, 0Ω to infinity in 7 steps.	Reeves Inst 121466	USAF WL-55-1410	RADC-2292	P/O CP-246/MSQ-1A
TS-911/U	Servo Test Set	Voltmeter Range: 0 to 50/500vdc, 1000Ω/v. Measures and/or sets servo loop gains and track loop performance. Measures servo motor balance currents and transient response of servo loops.	Sperry Gyroscope Co 614351	USN	MIL-R-18669 (NORD)	P/O AN/SPG-49
TS-912/U	Relay Test Set	Tests IBM wire contact relays.	IBM Corp 453199	USN 347		

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TS-913()/U	Electrical Power Test Set	0 to 500kc range. Adjusts signal power to precise value.		USA SCLC-10429		
TS-914()/U	Electrical Power Test Set	Voltage and frequency measurement: 58 to 62cps and 0 to 150/300vac. For monitoring purposes.	Winslow Co 365	USA SCLM-1200		
TS-915/FPN-28	Converter Alignment Set	Antenna alignment equipment to align reciprocating shaft coupling in pedestal.	Bendix Radio N650408-1	USN 1006	R-1081-A	P/O AN/FPN-28,28A
TS-916()/MRT-4	Radio Frequency Detector	Oscilloscope accessory, to detect RF for envelope display on oscilloscope.		USA SCLE-9508		U/W AN/MRT-4()
TS-917/GG	Teletype-writer Test Set	To measure bias and distortion of telegraph polar and neutral signals.	Stelma Inc TDA-2	SESA-57-109		
TS-918()/FSQ TS-918/FSQ	Computor Marginal Checking and Distribution Unit	Classified.		USAF-CRC-55-60		
TS-919()/FSQ TS-919/FSQ	Main Drum Marginal Checking and Distribution Unit	Classified.		USAF-CRC-55-61		
TS-920()/FSQ TS-920/FSQ	Manual Display Generator Marginal Checking and Distribution Unit	Classified.		USAF-CRC-55-63		
TS-921()/FSQ TS-921/FSQ	Output Marginal Checking and Distribution Unit	Classified.		USAF-CRC-55-64		
TS-922()/FSQ TS-922/FSQ	Auxiliary Drum Marginal Checking and Distribution Unit	Classified.		USAF-CRC-55-91		
TS-923()/FSQ TS-923/FSQ	Test Pattern Generator	Classified.		USAF-CRC-55-93		
TS-924()/FSQ TS-924/FSQ	Duplex Input Marginal Checking and Distribution Unit	Classified.		USAF-CRC-55-94		
TS-925()/FTA-13 TS-925/FTA-13	Telephone Test Set	Combination relay rack and test panel, provides relay for 10 line operator units.	Stromberg-Carlson Co 604770	USAF WL-55-2039	RADC-2308A	P/O AN/FTA-13
TS-926/PD	Radiac Detector Test Chamber	Cylindrical test chamber for holding dosimeters.		USN 1371		
TS-928()/G	Insulation Breakdown Test Set	0.5 to 40kvdc, dc hipot. Provides facilities for measureing dc current and provides a high breakdown test voltage for testing cables, bushings, transformers and generators for dielectric adequacy.	James Biddle Co 1	USA SCLM-1245		P/O AN/GSM-()
TS-928A/G	Insulation Breakdown Test Set	dc hipot. 0.5 to 40kv and 0.7kva. High voltage section immersed in oil. Overload protection. Portable. Meter type leakage indicator. (2 meters).	Industrial Inst Inc DT-25106I	EMSA-62-588		P/O AN/GSM-6A
TS-929/DSM-20	Gyro-Synchro Controller Test Set	Provides simulated input signals and test jacks for monitoring outputs from the gyros, repeatback synchros, navigational and altitude controllers.	Cook Electric Co CVE-089914	USN	MIL-T-945A	P/O AN/DSM-20
TS-930/MPM-30	Relay Test Set	Missile equipment, tests circuit continuity, indicator lamp check, relay contact performance of NIKE I Intercommunication System.		ORDDW-56-55	GS-16374	P/O OA-1061/MPM-30
TS-931/DSM-20	Flight Path Signal Test Set	Provides simulated input signals and test jacks for monitoring output from the flight path rack.	Cook Electric Co CVE-089914	USN	MIL-T-945A	P/O AN/DSM-20
TS-933()/GPA-25 TS-933/GPA-25	Computer Test Set	For alignment and calibration of phase and amplitude of 400cps wave-form in Computing-Tracking Group AN/GPA-23.	GE-Syracuse PL-7608408G1	USAF WL-55-2375	RADC-2316	P/O OA-1045/GPA-23
TS-934()/U	Electrical Power Test Set	Voltage and frequency measurement: 380 to 400cps and 0 to 150/300vac. Monitors power from remote source.	Winslow Co 364	USA SCLM-1250		
TS-935/ASB-1	Periscope Test Set	Optical test equipment, optical alignment and synchro adjustment of periscope.	Librascope Inc 308561	55-1597-USN		P/O MX-1295/ASB-1
TS-936()/U	Battery Syringe Hydrometer	Battery test, hydrometer for KOH electrolyte only, measures 1.180 to 1.400 specific gravity range.		USA SCLS-11232		
TS-937/MPM-30	Voltage Calibrator Test Set	Used as a precision standard voltage source to calibrate meters and power supplies of NIKE I and NIKE I ORD-6. Cancelled 18 May 1956.		ORDDW-9155	GS-16438	P/O OA-1060/MPM-29 OA-1065/MPM-34

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TS-938/MPM-30	Insulation Breakdown Test Set	Cancelled 18 May 1956.		ORDDW-51-56		
TS-939/MPM-30	Relay Test Set	Cancelled 18 May 1956.		ORDDW-58-56		
TS-940/MPM-31	Amplifier Test Set	Performs operational tests, simulates loads, measures output of various resolver, servo and line amplifiers NIKE I. Cancelled 18 May 1956.		USA ORDDW-76-55		P/O OA-1062/MPM-31
TS-941/MPM-31	Relay Test Set	Measures time intervals of various operations of relays and motor drives, NIKE I. Cancelled 18 May 1956.		ORDDW-77-55	GS-16380	P/O OA-1062/MPM-31
TS-942/MPM-31	Servo Test Set	Provides test signals, simulates load and measures output of servo amplifier unit. Cancelled 18 May 1956.		ORDDW-75-55		P/O OA-1062/MPM-31
TS-943/MPM-31	Servo Test Set	Provides automatic phase and gain measurements of amplifiers under test. Cancelled 18 May 1956.		USA ORDDW-81-55	GS-17164	P/O OA-1062/MPM-31
TS-944/MPM-31	Servo Test Set	Provides rapid visual check of synchros in Radar Course Directing Central AN/MSW-1. Cancelled 18 May 1956.		ORDDW-106-55	GS-16 373	P/O OA-1062/MPM-31
TS-945/MPM-31	Telephone Test Set	Provides means of testing telephone devices in AN/MSW-31 Intercommunications System. Cancelled 18 May 1956.		USA ORDDW-78-55	GS-16382	P/O OA-1062/MPM-31
TS-946/MPM-32	Indicator Test Set	Tests relay operation, sequence of operation and contact continuity. Cancelled 18 May 1956.		USA ORDDW-70-55	GS-16367	P/O OA-1063/MPM-32
TS-947/MPM-33	Electrical Equipment Test Set	Range and elevation test equipment, simulates operating conditions for unit under test. Cancelled 11 December 1956.		ORDDW-10355	GS-16841	P/O AN/MPM-33
TS-948/MPM-33	Electrical Equipment Test Set	Data unit test equipment, amplifies dc signals provides zero set. Cancelled 11 December 1956.		ORDDW-99-55	GS-16349	P/O AN/MPM-33
TS-949/MPM-33	Servo Test Set	Azimuth and elevation units tested electrically and dynamically. Cancelled 11 December 1956.		ORDDW-96-55		P/O AN/MPM-33
TS-950/MPM-35	Radar Assembly Test Set	NIKE I system signal generators, pulse, pulse sweep and 2 signal generators. Cancelled 18 May 1956.		USA ORDDW-146-55	GS-16449	P/O OA-1066/MPM-35
TS-951/MPM-35	Electronic Voltmeter	Ranges: 30v/100v/200v/17v and 34v selected by toggle switches, used to measure square waves. Cancelled 18 May 1956.		USA ORDDW-144-55	GS-16394	P/O OA-1066/MPM-35
TS-952/MPM-36	Frequency Calibrator Set	Classified. Cancelled 18 May 1956.		ORDDW-124-56		
TS-953/MPM-36	Electrical Power Test Set	Power test, tests low voltage power supply operation, regulation, filtering and impedance measurement, NIKE I system. Cancelled 18 May 1956.		ORDDW-157-55		P/O OA-1061/MPM-36
TS-954/MPM-36	Electrical Power Test Set	Classified. Cancelled 18 May 1956.		ORDDW-119-56		
TS-955/MPM-36	Radar Test Set	NIKE I, test load, attenuator, frequency division, missing pulse simulation. Cancelled 18 May 1956.		ORDDW-165-55	GS-16412	P/O OA-1067/MPM-36
TS-956/MPM-36	Radio Test Set	Amplifier test equipment, NIKE I, tests video gain measurements, AFC, used to amplify IF signals from RF aquisition unit. Cancelled 18 May 1956.		ORDDW-158-55		P/O OA-1067/MPM-36
TS-957/MPM-36	Radio Test Set	Crystal test equipment, NIKE I, to measure crystal current, detects variation in video signal and provides meter indication. Cancelled 18 May 1956.		USA ORDDW-171-55	GS-16799	P/O OA-1067/MPM-36
TS-958/MPM-32	Range Calibrator	Classified. Cancelled 18 May 1956.		ORDDW-103-56		
TS-959()/UPW TS-959/UPW	Computor Test Set	Classified.		USN		
TS-960()/FPS-14 TS-960/FPS-14	Oscillator Test Set	Checks stability of an S-band stable local oscillator by measuring FM in output: 2760 to 2930Mc frequency range.		USAF CRC-55-160		P/O O-334/FPS-14 AN/FPS-14
TS-961/FQQ-1	Sound Measuring Set	Power level measurements, 40 to 15,000cps range, response at 40cps is ±0.5db relative to 1000cps.	Leeds & Northrup 69840-3 Western Electric Co G242386-A	55-1703 USN		P/O AN/FQQ-1(V)
TS-962()/FQQ-1 TS-962/FQQ-1	Spectrum Analyzer	Classified.		BTL-45009		
TS-963()/GSQ TS-963/GSQ	Intercommunication Test Set	Tests operator's control unit, controller's switchboard panel and other intercommunications equipments by permitting insertion of components into it and providing single "go-no-go" indication.	Adler Electronics	USA SCLM-6817Rev		
TS-964()/DRM	Missile Guidance System Test Set	Classified.		USN		
TS-965()/U TS-965/U	Armature Test Set	Checks for shorts, opens and grounds in armature of motors, generators and dynamotors.	Crown Industrial Prd S-I-M	SIMSA SCLM-1278		U/W BD-77-B,DM-42 DY-102,DY,93
TS-966()/APG-53	Radar Test Set	Classified.		USN		

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TS-967()/APM-77 TS-967/APM-77	Amplifier Indicator Test Set	Servo test equipment; to check alignment and balance.	Martindale Elect Co B-I-M	AEL-55-1011	CODE 38	P/O AN/APM-77
TS-968()/GR	Spectrum Analyzer	0 to 5Mc. Measures frequency response; set signal levels of multiplex signals; measures frequency: 100kc to 5Mc.	Motorola-Chicago	WL-55-2870	EXH: RADC-1568	P/O AN/TRC-44(), 48(),49()
TS-969/U	Stroboscope	Measures shaft speeds, 3600 fixed, 360 to 1400rpm, 720 to 2880rpm, 2400 to 9600rpm, 7200 to 28,800rpm.	Loral Electronics 4501-11	USN-1932	MIL-S-18437 (BuAer)	U/W AN/ASA-13 AN/APA-57()
TS-970()/U	Radio Test Set	Measures ac and dc voltage and current, relative field strength signal generator operation, 25 to 174Mc, range: 45 to 250w.	Motorola-Chicago N-140	SCLM-1288		P/O AN/URM-94()
TS-970A/U	Radio Test Set	Measures ac and dc voltages and currents, relative field strength signal generator operation: 25 to 174Mc, 0 to 200mv output. Range: 0 to 1000v; 0 to 500ma.	Motorola-Chicago 301V21625-1	SIMSA-61-156		P/O AN/URM-94
TS-971()/G	Radio Test Set	Measures carriers frequency; FM deviation; receiver range: 150 to 160Mc; WWV receiver range: 152 to 174Mc and relative field strength.	Motorola-Chicago F4MU-24	SCLM-1289		U/W AN/VRC-6(),19()
TS-972()/UP TS-972/UP	Computer Test Set	Checks computer over-all performance.	General Electric GE9628924G3	AEL-55-1028		U/W MD-1A,4
TS-973()/U TS-973/U	Range Indicator Calibrator	Provides 500 yard spaced pulses and sync pulses during test.		SCLM-1300		P/O AN/UPM-78()
TS-974()/U	Radio Test Set	Frequency measurement, measures carrier frequency deviation, modulation (FM) of carrier, control receiver range: 30 to 50Mc WWV receiver: 152 to 174Mc.	Motorola-Chicago F4M-24B(B)1-C	SCLM-1303		U/W AN/VRC-6(),19()
TS-975()/WQM-3	Sonar Test Set	Measures receiver sensitivity, threshold, transmitting intensity and noise level.		USN		
TS-976()/UK	Telemetering System Test Set	Missile borne, to make pre-flight adjustments and alignment.		SCLE-9772	Tech Reg SCL-2835	U/W AN/DKT-9() AN/MKR-8()
TS-977/SQS-21	Sonar Test Set	Classified.		USN-58-n-1125		
TS-978/U	Servo Test Set	Non-direct reading test facility permits servo alignment. U/W external calibrating sources.	Sperry Gyroscope Co 612674	USN	Navord OS-5584	U/W AN/SPQ-5
TS-979/USM-45	Frequency Calibrator	Frequency standard, secondary, to give simultaneous uninterrupted CW signals every 50/100/200Mc over 50 to 11,000Mc range.	Control Electronics FC-121-A	Aer (EL-926) USN	MIL-C-17957 (Aer)	P/O AN/USM-45
TS-980()/GSM TS-980/GSM	Electronic Cord Test Set	Amplifier test equipment, checks gain and frequency response.	Gilfillan Bros 60961	WL-56-1302	EXH: RADC 2330,2331	
TS-981()/ARC-21 TS-981/ARC-21	Radio Test Set	Checks and determines faulty components in Radio Set AN/ARC-21().		AEL-56-454		P/O AN/ARC-21,21X
TS-982()/GSN TS-982/GSN	Signal Data Converter Test Set	Classified.		WL-56-1421		
TS-983()/U TS-983/U	Battery Test Set	Measures dry batteries by "ma-good" or "volts-good" meter type indication.	Bird Engineering Co	SESA-59-267		U/W BA-259/AM
TS-984()/FSQ TS-984/FSQ	Simplex Input Marginal Checking Unit	Radar equipment contains necessary components to marginal check by voltage excursions Long Range Radar Input Unit CV-388/FSQ.		CRC-56-173		P/O AN/FSQ-7,8
TS-985()/FSQ TS-985/FSQ	Plug-in Unit Test Set	IBM cards automatically program the proper signals, loads and marginal check excursions necessary for dynamic testing of plug-in units. The outputs are displayed on a CRT.		CRC-56-181		P/O AN/FSQ-7 AN/FSQ-8
TS-986()/FSQ TS-986/FSQ	Memory Driver Panel Test Set	Radar equipment to test driver panels in memory array frame.		CRC-56-182		P/O AN/FSQ-7,8
TS-987()/FSQ TS-987/FSQ	Cathode Ray Tube Test Set	Radar equipment; tests the charactron and typotron tubes.		CRC-56-183		P/O AN/FSQ-7,8
TS-988()/FSQ TS-988/FSQ	Amplifier Test Set	Used for control chassis (magnetic pre-amp) test.		CRC-56-184		P/O AN/FSQ-7,8
TS-989()/FSQ TS-989/FSQ	Metalic Rectifier Test Set	Used with oscilloscope; measures reverse and forward resistances.		CRC-56-187		P/O AN/FSQ-7,8
TS-990()/FSQ TS-990/FSQ	Semi-Conductor Type Diode Test Set	Semi-conductor test used with oscilloscope to make dynamic test of computer type diodes (display reverse resistance characteristic).		CRC-56-188		P/O AN/FSQ-7,8
TS-991()/GPM TS-991/GPM	Fire Control System Dynamic Tester	Radar, equipment test, provides signal 8640 to 9360Mc to give accurate simulated radar echo.	Sperry Gyroscope Co 1000186	ORDBA-0019		
TS-992()/GPM-17 TS-992/GPM-17	Transponder Test Set	Completely simulates airborne transponder when testing complete SIF systems. Generates any coded response for any proper interrogation made when testing individual units.	Stewart Warner Elec G-586100	WL-57-R-1639	MIL-T-945	P/O AN/GPM-17
TS-993/DKM-1	Dynamotor Test Set	Checks regulus telemetering system.	Cook Electric Co 750-3701	USN	MIL-T-945A Amend 1	P/O AN/DKM-1

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TS-994/DKM-1	Calibrator Test Set	Calibrator to test and adjust components of System AN/DKM-1.	Cook Electric Co 750-3702	USN	MIL-T-945A Amend 1	P/O AN/DKM-1
TS-995/FQQ-2	Spectrum Analyzer	Classified.		USN		
TS-996B/ARR-44	Test Data Link Stand	Provides mechanical assistance for testing AN/ARR-44&().	Hughes Aircraft Co 486531-120	AEL-59-1015		U/W AN/ARR-44
TS-997()/PRC	Radio Test Set	Used to test IF gain, IF selectivity curve skirt symmetry, IF band pass, discriminator center frequency.	Hickok Electrical Inst I-902	SCLM 1343		P/O AN/PRC-8(),9(), 10()
TS-998()/PSM-10 TS-998/PSM-10	Data Link Test Set	Tests all power supplies, data, audio and information sent from Converter CV-282/ARR-39.	General Electric 7630766G1	AEL-56-548		P/O AN/PSM-10()
TS-999/U	Dead Reckoning Tracer Test Set	Dead reckoning test equipment, to check accuracy of equipment.	Servo Corp of Amer	USN		U/W AN/ASA-14
TS-1000/ASA-14	Amplifier Test Set	To determine condition of AR1101 and AR1201 Amplifiers.	Servo Corp of Amer	USN		U/W AN/ASA-14
TS-1001()/U	Transistor Test Set	Measures directly the amplification (beta) and the reverse satuation collector (Ico) of small signal junction germanium transistors. Not adequate for point contact, silicon and power transistor measurements.		SEL-60-260		P/O AN/USM-121()
TS-1002/TPS-1G	Signal Comparator Test Set	For IF alignment, of Signal Comparator CM-36()/TPS-1D.	Hazeltine Electonics	USN	MIL-R-0015895D SHIPS	U/W AN/TPS-G
TS-1003/DSM-11A	Receiver Test Set	Signal supplied: 1200pps; AM at 50cps; voltage: 0 to -50vdc, -200/-135/6.3vdc. Measured outputs of unit under test: 0 to -50vdc, 45v, 2500cps, two phase. Routes power and control signals to operate error channel portion of missile SPR receiver. Provides test points and receptacles.	Sperry Gyroscope Co 624744	USN-56-1037		P/O OA-752A/DSM-11
TS-1004/DSM-11A	Receiver Test Set	Voltage supplied: -200/-135/26/6.3vdc; signal: UHF, IF and video. Supplies power and signals for reference channel portion of missile SPR receiver and provides meters and test points for measuring output.	Sperry Gyroscope Co 1,000,577	USN-56-1038		P/O OA-752A/DSM-11
TS-1005/DSM-11A	Amplifier Test Set	Amplifier input power control, controls and routes power to missile summing amplifier pie.	Sperry Gyroscope Co 624750	USN		P/O OA-754A/DSM-11
TS-1006/DSM-11A	Amplifier Test Set	Amplifier input power control, controls and routes power to missile summing amplifier pie.	Sperry Gyroscope Co 624746	USN		P/O OA-1305/DSM-11A
TS-1007/DSM-11A	Amplifier Test Set	Amplifier input power control, controls and routes power to missile summing amplifier pie.	Sperry Gyroscope Co 624754	USN		P/O OA-1306/DSM-11A
TS-1008()/G	Transmission Line Fault Locator	0 to 75 miles. Portable, used in locating faults on transmission line by pulse reflection principle.		SCLR-11414	SCL-1761	
TS-1009()/G	Transmission Line Fault Locator	0 to 150 miles. A fixed position locator for use in locating faults on transmission line by pulse reflection principle.		SCLH-11415	SCL-1761	
TS-1010/ASB-7	Periscope Test Set	Periscope test, optical alignment, synchro adjustment, allows viewing by auto collimation sighting at 0°, ±90° at elevation of 0°/45°/190°.	Librascope Inc	USN		P/O AN/ASB-7
TS-1011()/UPM-84 TS-1011/UPM-84	Spectrum Analyzer	Spectrum analyzer, 10 to 41, 240Mc, 8 bands, receives AM, FM, CW, pulse and noise modulated RF.	Polarad Electronics	AEL-56-492	MIL-S-4469A	P/O AN/UPM-84
TS-1012()/GRM-9	Synchronizer Analyzer	Computer equipment, provides error determination analyzing and digital to analog conversion.	Ampex Electric 18002	WDD-56-94		P/O AN/GRM-9()
TS-1013()/ASB	Computer Test Set	Tests "go-no-go" analysis of computer under normal and special test conditions alignment of input-output unit reprogramming of memory.	Librascope Inc	USN-56-1177		U/W CP-209()/ASB
TS-1014/AWG	Fire Control System Test Set	Fire control test for pre-flight armament used for monitoring of test points by technician.		USN	NAVY Operational XAR-67	U/W MK-290 Mod)
TS-1015()/U	Relay Test Set	Relay test equipment, telephone, to check release time and operate time of relay.		SCLM-1350		U/W TA-188()/U
TS-1016()/ASB	Computer Test Set	Checks parts of computer by "go-no-go" tests and marginal loading methods.	Librascope Inc	USN		U/W CP-209()/ASB
TS-1017/ARM-11B	Radio Test Set	Radio test equipment, to check tuning system of RT-263/ARC-34 Receiver-Transmitter, scale 10 to 0 to 10v and 0 to 200ma meter.	Magnavox Co	AEL-56-1029		P/O AN/ARM-11B
TS-1017A()/ARM-11B TS-1017A/ARM-11B	Radio Test Set	Gives "go-no-go" indications via voltage and current measurements. Power derived from radio set.	Magnavox Co 708158-4	AEL-62-162		P/O AN/ARM-11C U/W AN/ARC-34B
TS-1018/AVQ	Stabilization Data Generator Test Set	For bench operational testing of generator independent of either the searchlight set or radar compensating assembly.		USN-SR-1283		U/W AN/AVQ-2D
TS-1019/APM-72A	Radar Test Set	Radar test equipment, to provide pre-flight check adjust, and alignment of Radar Set AN/PPG-30.	Union Electric & Mfg	USN	MIL-T-18425 (Aer)	P/O AN/APM-72 U/W AN/APQ-30
TS-1020()/FPS-19 TS-1020/FPS-19	Spectrum Analyzer	Spectrum analyzer, 25 to 35Mc, single band, CRT type, 93Ω input, to view power spectrum.	Western Electric Co	WL-56-2414	BTL-Spec GS-18186	P/O AN/FPS-19
TS-1021()/FPS-12 TS-1021/FPS-12	Radar Test Set	Radar test equipment, checks detector and alarm circuits, output, 6μsec pulse at repetition rate 400, gated for .15sec per sec.	WL-56-2415		BTL-Spec GS-18187	P/O AN/FPS-19

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TS-1022()/UPM-80 TS-1022/UPM-80	Radio Test Set	Classified.		AEL-56-1158		
TS-1023/MPM-38	Relay Test Set	Relay test equipment for corporal missile and ground guidance equipment, indicates circuit continuity with energized or non-energized relay.		ORDDW-284-56		P/O AN/MPM-38
TS-1024/MPM-39	Computer Test Set	Classified.		ORDDW-211-56		
TS-1025/MPM-39	Servo Test Set	Classified.		ORDDW-215-56		
TS-1026/MPM-39	Servo Test Set	Classified.		ORDDW-216-56		
TS-1027/MPM-40	Radar Test Set	Classified.		ORDDW-21956		
TS-1029/U	Electrical Power Test Set	Power (electrical) measurement, measures voltage and current, alignment of circuits, checks all motor components of system.		ORDBA-0041		P/O AN/MPM-38
TS-1030/GPM	Computer Test Set	Computes test equipment, measures voltage and current of circuits, simulates fixed target points.		ORDBA-0047		P/O MT/-33
TS-1031/GPM	Radar Test Set	Radar test equipment, align communication and signal circuits, measures voltage and current.		ORDBA-0046		P/O MT-33
TS-1032/GSM	Amplifier Test Set	Amplifier test equipment, tests, amplification, channel balance, balance gain on servo amplifiers.		ORDBA-0050		U/W T-38
TS-1033/GSM	Amplifier Test Set	Amplifier test equipment, tests, amplification, channel balance, balance gain on servo amplifiers.		ORDBA-0051		U/W T-38
TS-1034/GPM	Radar Test Set	Radar test equipment, range: 8400 to 9600Mc, measures voltage and current, alignment of set.		ORDBA-0052		U/W T-38
TS-1035/GPM	Radar Test Set	Radar test equipment, measures current and voltage, tests waveguide sections and joint assemblies, 2 signal generators, 1800 to 4000Mc and 8500 to 10,000Mc.		ORDBA-0055		
TS-1036/GPM	Antenna Drive Test Set	Antenna test equipment, measures voltage and current, tests acquisition azimuth drive and scanning units.		ORDBA-0056		P/O M/T-33
TS-1037()/GSM-9 TS-1037/GSM-9	Power Supply and Intervalometer Mounting Base Test Set	Used to measure output voltage of the Type E-I Power Supply and Type B-4 Central Station Intervalometer Mounting Base.	Bill-Jack Instrument P/N-14500	AEL-56-1327		P/O AN/GSM-9
TS-1038()/GSM-9 TS-1038/GSM-9	Automatic Overlap Intervalometer Test Set	Simulates 5.0v AF command voltage; 400 cycle ac signal, 28vdc, signal and pulse signal. Plug-in unit to test the C-1 Auto-overlap Intervalometer.	Bill-Jack Instrument P/N-14476	AEL-56-1328		P/O AN/GSM-9
TS-1039()/GSM-9 TS-1039/GSM-9	Oscillating Light Source Test Set	Provides oscillating light source, measures 400 cycle ac signal, 28vdc, voltage and pulse.	Bill-Jack Instrument P/N-14482	AEL-56-1329		P/O AN/GSM-9
TS-1040()/GSM-9	Control Test Set	For operation and switching continuity, measures 400 cycles ac, 28vdc, steady voltages and phases.	Bill-Jack Instrument P/N-14485	AEL-56-1330		P/O AN/GSM-9
TS-1041()/GSM-9 TS-1041/GSM-9	Station Control and Door Position Indicator	Tests continuity of lamps, switches and wiring; comparison type test.	Bill-Jack Instrument P/N-14484	AEL-56-1331		P/O AN/GSM-9
TS-1042()/GSM-9 TS-1042/GSM-9	Parameter Selector Control Test Set	Resistance type tester; tests for dial calibration and switching continuity. Measures 400 cycle ac signals, 28vdc, voltages and pulse.	Bill-Jack Instrument P/N-14481	AEL-56-1332		P/O AN/GSM-9
TS-1043()/GSM-9 TS-1043/GSM-9	Interconnecting Circuitry Test Set	Continuity tester for pin-to-pin tests. Measures 400 cycles ac signals, 28vdc, voltages and pulses.	Bill-Jack Instrument P/N-14490	AEL-56-1333		P/O AN/GSM-9
TS-1044()/GSM-9 TS-1044/GSM-9	Memory Delay Unit Test Set	Measures pulse intervals and deviations and 400cps ac signal and 28vdc signal. Constitutes a receiver plug-in-unit.	Bill-Jack Instrument P/N-14480	AEL-56-1334		P/O AN/GSM-9
TS-1045()/GSM-9 TS-1045/GSM-9	Bomb Release Control	Tests for continuity of wiring and switching. Measures 400 cycle ac signals 28vdc steady voltages and pulses.	Bill-Jack Instrument P/N-14486	AEL-56-1335		P/O AN/GSM-9
TS-1046()/GSM-9 TS-1046/GSM-9	Amplifier Test Set	Tests static input-output characteristics. Measures two fixed frequencies of the D-1 Camera Drive Power Drive Electronic Control Amplifier, using step inputs.	Bill-Jack Instrument P/N-14483	AEL-56-1336		P/O AN/GSM-9
TS-1047()/GSM-9 TS-1047/GSM-9	Computer Test Set	Plug-in type tester. Measures 400 cycle ac signals, 28vdc, steady voltages and pulses.	Bill-Jack Instrument P/N-14478	AEL-56-1337		P/O AN/GSM-9
TS-1048()/GSM-9 TS-1048/GSM-9	Receiver Tester	Master component for the various plug-in testers of the AN/GSM-9.	Bill-Jack Instrument P/N-14104	AEL-56-1338		P/O AN/GSM-9
TS-1049()/GSM-9 TS-1049/GSM-9	Amplifier Test Set	Plug-in tester used to test the type E-1 Servo Motor Electronic Control Amplifier static input-output characteristics. Voltages are indicated on a 0 to 150v scale voltmeter.	Bill-Jack Instrument P/N-14477	AEL-56-1339		P/O AN/GSM-9
TS-1050()/GSM-9 TS-1050/GSM-9	Detector and Scanner System Test Set	Provides a functional test of the A-1 Image Velocity Detector Signal Discriminator and supplies functions for the oscillating light source exciter.	Bill-Jack Instrument P/N-14479	AEL-56-1340		P/O AN/GSM-9
TS-1051()/GSM-9 TS-1051/GSM-9	Master Control Test Set	Used to test the type L-6 Master Control for accuracy of dial calibration and wiring continuity.	Bill-Jack Instrument P/N-14487	AEL-56-1341		P/O AN/GSM-9

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-1052/FSA-T1	Computer Test Set	Furnishes test voltages and metering facilities for static tests of the control function computer. Houses second regulator section of +100vdc reference power supply.	Berkely/Beckman Inst 8517-D109; D103	USN-1612		P/O AN/GSA-T1 U/W AN/FSQ-T1
TS-1053/G	Electrical Circuit Test Set	Circuit test for NIKE elevator and launcher system, light indicates location of difficulty.		ORDDW-379-56		P/O NIKE test equipment
TS-1054()/GPM-24 TS-1054/GPM-24	Radar Test Set	For pre-flight test. Monitors transmitted energy, delays a portion of it and reflects it back. Measures Receiver AGC, tracker sensitivity of the AN/APN-78 and AN/APN-105.	Lab for Electronics	AEL-57-2		P/O AN/GPM-24
TS-1055/U	Pressurized Equipment Leakage Tester	A manometer assembly for detecting very small pressure leaks in airborne electronic and armament equipment.		AV-0523/3		U/W AN/ASB-1,1A, 1B
TS-1056()/FSQ TS-1056/FPQ	Test Pattern Generator	Simulates crosstell signals, provides G/G loop, between output and crosstell input.	IBM Corp	CRC-56-644		P/O AN/FSQ-8
TS-1057/SPS-17	Spectrum Analyzer	Classified.		USN-57-119		
TS-1058/GSM	Amplifier Test Set	Designed for amplification test, develops elevation reference and error signals.		ORDBA 0062		U/W Fire Control T-38
TS-1059/GSM	Amplifier Test Set	Checks low frequency amplifiers, modulators and oscillators, provides all input signals, loading switching and instrumentation.		ORDBA-0061		P/O Fire Control M/T-33, ORD-6
TS-1060()/GG TS-1060/GG	Teletype-writer Test Set	Measures distortion and bias of signals, neutral and polar, speeds, 60/75 and 100 words per minute.	Stelma Inc TDA-2NB	SESA-57-1108		
TS-1060A/GG	Teletype-writer Test Set	Used to measure bias and distortion of teletype-writer signals, circuits and equipment. Speeds: 60/75 and 100 words per minute of regular and special IBM character plus 5 UCO synchronous signals. CRT display of distortion. Two way interchangeable with TS-1060/GG except for maintenance parts.	Stelma Inc TDA-2NB	SESA-58-225		
TS-1060B/GG	Teletype-writer Test Set	Measures bias and distortion of teletypewriter signals, neutral and polar, of 60/75 and 100 words per minute of regular and special IBM character plus 5 UCO synchronous signals.	Bridge Electronics ASD-100A	SIMSA-62-349		
TS-1061()/FSQ-8 TS-1061/FSQ-8	Warning Storage Display Manual Input Marginal Checking and Distribution Unit	Serves as secondary distribution and control point for the voltages fed to the manual data input unit.	IBM Corp 3046445	CRC-57-19		P/O AN/FSQ-8
TS-1062/ARM-32	Radio Test Set	Used for functional testing of sensitivity and accuracy of automatic direction finders (ADF). Performs functions of a test bench harness, a junction box, an operational meter, and a screen room calibrated for ADF service.		USN-57-219	MIL-H-15362A	U/W AN/ARN-41,41A 41B,42,54 P/O AN/ARM-32
TS-1063()/ARC-58 TS-1063/ARC-58	Radio Test Set	Determines the defective "Prime Components" of Radio Set AN/ARC-58(V) when inserted between the unit under test and the system wiring.	Collins Radio 522 1613 005	AEL-60-R-178	EXH: RADC-1800	P/O AN/ARC-58(V)
TS-1064()/ARC-58 TS-1064/ARC-58	Coupler Control Test Set	Determines the defective "Prime Components" of the AN/ARC-58(V).	Collins Radio 522 1614 005	AEL-60-R-179	RADC-1800	U/W AN/ARC-58(V)
TS-1065()/APH TS-1065/APH	Recorder Test Set	Measures output of RO-43/APH: pulsed RF of 30Mc, 50μsec width. Repetition rate: 910pps. Provides tests signals for all recording channels and measures recording currents to each.		AEL-56-1343		P/O RO-43-/APH
TS-1066()/U	Attenuator Calibrator	Attenuator equipment, calibrator, 100cps to 1Mc, 1 band, 100 dial deviation to calibrate 135 to 600Ω balanced attenuators.		SCLC-10999	SCL-1582	
TS-1067()/G	Recorder-Reproducer Analyzer	Recording test equipment, measure amplitude and flutter content, 900cps to 30kc carrier range, 0.3cps to 10kc flutter range.		SCLC-10988	SCL-1592	U/W AN/GNQ-4(),9(), 11()
TS-1068/APS-67	Radar Test Set	Performs a preflight "go-no-go" checkout of radar operation.	Magnavox Co 190660-1	422	MIL-T-18306	P/O AN/APS-67
TS-1069()/U TS-1069/U	Signal Generator Calibrator	Capable of certifying the power output and attenuator rates of signal generators in the frequency range: 4,000 to 10,000Mc, power range: 25μw to 2w.		AEL-57-129	WCLN-1321	
TS-1070()/U TS-1070/U	Voltmeter Calibrator	Will certify all vacuum tube voltmeters at dc and ac from 30cps to 1000Mc.		AEL-57-130	WCLN-1320	
TS-1071/DSM-20	Profile Controller Test Set	Provides functional bench check of controller, measurement of voltage, phase and resistance.	Chance-Vought 084120	USN-495		U/W AN/DSM-20
TS-1072()/TFM-3 TS-1072/TFM-3	Photographic Flash Synchronizer Tester	For testing focal plane shutters, lens shutters, synchronization, continuity, flash bulbs and batteries.	Rush Instruments Co RD-8(A)	SCSA-57-115		
TS-1073()/U	Electronic Circuit Plug-In Unit Test Set	Checks for defective plug-in units of Radio RT-348()/ARC and R-809()/ARC.		SCSL-57-197	SCL-1561A	U/W AN/ARC-54() AN/ARR-49()

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TS-1074/G	Potentiometer Test Set	Tests the output response, linearity and electro-mechanical accuracy of linear feedback, potentiometers used in the fin control circuits of the NIKE missile.		ORDDW-83-57	MPD-2089	P/O M14
TS-1075()/UPM-62 TS-1075/UPM-62	Range Indicator Calibrator	Classified.		AEL-57-192		
TS-1076/G	Electrical Power Test Set	Used to calibrate and test the test power control unit and the test control unit, including leakage and continuity tests.		ORDDW-85-57		P/O Field Instal Field Maint Complete
TS-1077/G	Servo Test Set	Used to test missile four-way transfer valve in the following stages of assembly, valve only, rudder and elevator manifold assembly, rudder and elevator section, aileron actuator assembly, aileron control section.		ORDDW-86-57		P/O Field Instal Field Maint
TS-1078()/G	Battery Test Set	For water activated batteries, 0 to 3v, 0 to 10v, 0 to 175v ammeter, calibrated in milliamperes.	Monmouth Electric Co 5003-1000	SCEL-57-1215	MIL-T-55089	U/W AN/AMQ-9() AN/AMT-4()
TS-1079()/G	Signal Comparator Test Set	Checks phase-shifting performance, phase shifter range: 0 to 360°, counter range: 0 to 2000 yards, accuracy to nearest 10 yards.	Monmouth Electric Co 5003-2-1000A	SESA SCEL-57-1216	MIL-T-55092	P/O AN/GSM-23() U/W CM-63()/GMD-2 AN/GMM-3()
TS-1080()/G TS-1080/G	Radiosonde Test Set	Signal generator:396 to 410Mc, wavemeter: 396 to 410Mc ±250kc, provides means for checking the performance of radiosonde systems.	Monmouth Electric Co 5003-4-19	SCEL-57-1217	MIL-T-55091	U/W AN/AMQ-9() AN/AMT-4()
TS-1081/ARM-26	Oscillator Test Set	Designed to provide both mounting and testing facilities for the 3 plug-in assemblies of the O-215/ARC-38 Stabilized Master Oscillator.	Collins Radio 594-9445-002	USN	MIL-T-19250	P/O AN/ARM-26 U/W AN/ARC-38
TS-1082/ARM-26	Electronic Circuit Plug-In Unit Test Set	Designed specifically for testing individual subassemblies or plug-in units of the RT-311/ARC-38 Radio Receiver-Transmitter.	Collins Radio 594-9432-002	USN	MIL-T-19250	P/O AN/ARM-26 U/W AN/ARC-38
TS-1083/MSE-1	Propellant Valve Release Test Set	Measures the resistance of the blasting cap, associated with the propellant shut-off system on the Type II Corporal Missile.		ORDDW-286-57 225-57		P/O AN/MSE-1
TS-1084()/FSQ TS-1084/FSQ	Plug-In-Unit Test Set	Used in making tests at bench, simulates wiring, plugs, switches and indicator lights installed in aircraft.	IBM Corp 3204600	CRC-57-113		P/O AN/FSQ-7 AN/FSQ-8
TS-1085()/ARN-12	Subassembly Test Set	Simulates wiring, plugs, switches and indicator lights installed in aircraft.		SESA-57-1114		U/W AN/ARN-12
TS-1086()/U	Gyro Magnetic Compass Test Set	Type P-1 Slaved Gyro Magnetic Field Tester for checking Gyro Magnetic Compass Set AN/ASN-13 and J-2 Compass Sets.	Sorensen & Co Inc P-1	SESA-57-1137		U/W AN/ASN-13()
TS-1087/APM-67A	Radio Beacon Test Set	Frequency: 9330 to 9420Mc, output pulse width adjustable 1.5/2.0/2.35/3.0 or 3.5μsec calibrated, frequency range: 9308.5 to 9311.5Mc, also trigger source for checking radio beacon.		AEL-57-487		P/O AN/APM-67A
TS-1088()/UPM-86 TS-1088/UPM-86	Radar Test Set	Preflight test set for checking AN/APS-60; tests system receiver and comparator subclutter visibility, magnetron pulse to pulse frequency amplitude, etc. Modulates 60Mc pulses.		AEL-57-561	WCIR-240	P/O AN/UPM-86
TS-1089()/MLQ-7	Electrical Test Panel	For maintenance and alignment facilities for the Electronic AN/MLQ-7().	Gilfillan Bros 61492	SCEL-57-1354		P/O OA-1633()/MLQ-7
TS-1090/SPM-10	Computer Test Set	Classified.		USN-57-d-1008		
TS-1091/SPM-10	Radio Frequency Power Test Set	Classified.		USN-57-d-1009		
TS-1092/SPM-10	Radar Test Set	Classified.		USN-57-d-1010		
TS-1093()/GSM-9	Intervalometer Test Set	Receiver plug-in unit, to test the intervalometer, central station, Universal Camera Control System, Type C-3.	Bill-Jack Instrument 14489	AEL-57-577		P/O AN/GSM-9
TS-1094/GPM	Subassembly Test Set	High power impedance meter, used to check out various waveguide plumbing, under system conditions, when a component is powered by a magnetron, VSWR readings may be obtained.		ORDBA-0081		P/O M38
TS-1095/GPM	Insulation Breakdown and Power Supply Test Set	0 to 4kvdc at 5ma and 0 to 40kvdc possible. Used for testing power supplies and insulation breakdown qualities of various items.		ORDBA-0082		
TS-1096()/ASM-16 TS-1096/ASM-16	Radio Test Set	Classified.		AEL-60-R-429		
TS-1097()/FSQ TS-1097/FSQ	Adapter Test	Cancelled 19 March 1958.		CRC-58-C-64		
TS-1098()/AP TS-1098/AP	Computer Test Set	Simulates range and azimuth of remote transponder or reflecting target, provides heading, roll, and air speed synchro signals for simulating aircraft signal.	Sperry Gyroscope Co	AEL-57-1141		U/W AN/APN-98() AN/APA-129()
TS-1099A/APM-86	Computer-Radar Test Set	Cancelled 8 February 1960.		N-60-ah-55		
TS-1100/U	Transistor Test Set	In-circuit: measures beta: 10 to 100; Ico: 0 to 50μa. Contains 12v power source and bias source.	Philco Corp	N-60-X-1591	SHIPS-T-3070	

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TS-1100A/U	Transistor Test Set	Beta and Ico measurements. Ranges: 1 to 300 in 4 bands for beta and 0 to 500μa in 2 bands for Ico. Internal battery source. Can test in-circuit.	Amer Electronic Labs	N-63-X-114		
TS-1101/AM	Battery Test Set	0 to 500ma, 0 to 20v, 0 to 10ma, 0 to 150v, 0 to 15v.		USN-57-Q-1268		P/O AN/AMM-1 U/W AN/AMT-11A BA/353/AM
TS-1102/GPM	Servo Test Set	Cancelled 27 November 1957.		ORDBA-0114		P/O M/T-38
TS-1103/WPQ	Electronic Circuit Plug-In Unit Test Set	Used to test and repair various printed electronic subassemblies used in AN/BPQ-2 and OA-1213/WPQ. Provides for adapting existing Navy type test equipment to tests of units for which designed.	Stavid Engineering 1940-P-4298	USN-58-b-1131		U/W OA-1213/WPQ AN/BPQ-2
TS-1104()/TSM-18 TS-1104/TSM-18	Data Link Converter Test Set	Classified.		AEL-57-R-845		
TS-1105()/TSM-18 TS-1105/TSM-18	Data Link Test Set	Classified.		AEL-57-R-846		
TS-1106/GPM	Indicator Test Set	Simulates the jump slope, indicator trigger, video, IFF, and vertical and horizontal deflection signals. Provides 2 and 26kc gates and an 82kc repetition rate signal. Tests Ord #7630097 and 8571510 indicators.		ORDBA-0069		U/W M-38
TS-1107/GPM	Radar Test Set	Measures of voltage and current check waveforms: ac voltmeter 115±5v; dc voltmeter 0 to 300±5v. Purpose of test set: to determine synchronizer performance.		ORDBA-0071		U/W M-38
TS-1108/U	Null Voltage Bridges	Measures voltage and resistance ratios from zero to unit ratio.		ORDBA-0096		P/O M-33
TS-1109()/AWM-1 TS-1109/AWM-1	Fire Control System Test Set	Checks input power requirements; measures range voltage input, range and elevation currents to sight unit. Inputs may be simulated. Used with altitude simulator. Friction of sight unit gyro may be checked.		USN-58-Q-403		P/O AN/AWM-1 U/W AFCS MK 6 MOD 4
TS-1110/APM-83	Spectrum Analyzer	Classified.		USN-57-Q-1456		
TS-1111/AIC	Intercommunication Test Set	Provides facilities for testing individual interphone control units and plug-in amplifiers.	Texas Instrument Inc 49754-1	USN-ah-1458		U/W C-2244/AIC
TS-1112A/APM-84	Radar Test Set	Provides meter indication of coding modulation index, coding deviation modulation, range deviation, phase angle difference and transmitter FM noise modulation. Includes 5 microammeters.	Raytheon-Bedford 2564-5123	USN-ah-1319		P/O AN/APM-84A
TS-1112B/APM-84	Radar Test Set	Gives indication of coding modulation index, coding deviation modulation, range deviation, phase difference, and transmitter FM noise modulation.	Raytheon-Bristol 2564-5123G2	N-62-W-797		P/O AN/APM-84B
TS-1113()/U TS-1113/U	Servo Test Set	Signal generator, repetition period 0.1/1/ or 10sec, carrier-interval dc external 12 or 115vac 300 to 3000cps, dc-10kc bandwidth.	Dumont Labs DE7408	USN-57-Q-1536		
TS-1114()/GRM-9	Receiver Test Set	Classified.		WDD-57-50		
TS-1115()/GRM-9	Servo Test Set	Classified.		WDD-57-53		
TS-1116()/FST-2 TS-1116/FST-2	Plug-In Unit Test Set	Pulse generator, generates electrical pulses to permit operator to analyze special circuit type plug-in units.	Burroughs-Paoli DPM-49087 Nuclear Products-ERCO BA-1522	CRC-58-15	MIL-T-9766	P/O AN/FST-2
TS-1116/ALM-3	Chaff Dispenser Test Set	Provides a means for interconnecting components of automatic chaff dispenser sets or similar equipment during bench tests.	Nuclear Products-ERCO BA-1522	USN-57-Q-1583		P/O AN/ALM-3
TS-1117()/AR TS-1117/AR	Frequency Calibrator	Cancelled 6 December 1957.		AEL-57-C-956		
TS-1118()/G TS-1118/G	Phase-Time Comparator	100kc per sec, 1Mc per sec, 5Mc per sec, digital display, to be used with oscillator having stability 1 part 10X 10-9.		AEL-57-856		
TS-1119()/G TS-1119/G	Frequency Divider-Multiplier Converter	Operates from an airborne frequency standard oscillator for the purpose of multiplying or dividing from the input frequency of 100kc to provide signal outputs of 10/20/50/200/500kc and 1/2.5/5Mc for test purposes.		AEL-57-858		
TS-1120()/UPM-53 TS-1120/UPM-53	Radar Test Set	Measures pulse width jitter, relative jitter and absolute jitter of rate generators: 0 to 0002μsec to 0.1μsec.	Polarad Electronics C11495	WL-57-2261	MIL-T-9502 (USAF)	P/O AN/UPM-53
TS-1121()/FPS-18 TS-1121/FPS-18	Waveguide Arc-Over Detector	Detects RF energy arc-over in waveguides of the radar transmitter on occurrence, 0 to 500ft of line 50Ω Z.	Bendix Radio R650377-1	CRC-57-219	EXH: AFCRC-54-19	U/W AN/FPS-18
TS-1122()/FPT-6 TS-1122/FPT-6	Waveguide Arc-Over Detector	Detects unwanted waveguide arc noises in the system.	Bendix Radio C650598-1	CRC-57-214		
TS-1123/MSM-22	Servo Test Set	For alignment and dynamic test or air driven servos, facilities for testing servo-motor, Auto Pilot TG-31/DJW-1 and TG-30.		ORDDW-267-57		P/O AN/MSM-22
TS-1124/DSM-46	Radio Frequency Power Test Set	Cancelled 4 February 1959.		ORDXR-12-59		

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TS-1125()/DJM-5 TS-1125/DJM-5	Synchro Zeroing Unit	Null meter, accurately determines the zero or null positon of the synchros in the Missile Guidance Set AN/DJW-5 & () or ground support equipment.	AC Spark Plug 8510709	WDD-57-711		P/O AN/DJM-5
TS-1126/MSM-19	Subassembly Test Set	Signal generator and voltmeter, provides a source of audio power for modulating signal generator as well as facilities for measuring the RF output of signal generator under test, 5cps to 600kc.		ORDDW-257-57		P/O AN/MSM-19
TS-1127/MSM-29	Radio Beacon Test Set	Measures the signal levels in various stages of the Radio Beacon AN/DRN-7. 0 to 50μa dc. 150mv power consumption.		ORDDW-307-57		P/O AN/MSM-29
TS-1128/APM-85	Computer Test Set	Classified.		USN-57-Q-1930		
TS-1129()/UGM-2	Telegraph Test Set	Provides CRT and meter presentation of various types of distortion of miscellaneous or recurring telegraph signals employed in a synchronous telegraph system without disturbing the service.		SEL-58-170		P/O AN/UGM-2()
TS-1130()/FSQ TS-1130/FSQ	Memory Drive Adaptor Test Set	Memory drive adaptor used to test switch drive pluggable unit, the CR pluggable unit and the tape core pluggable unit.	IBM Corp	CRC-57-198		U/W AN/FSQ-7 AN/FSQ-8
TS-1131()/FSQ TS-1131/FSQ	Transistor Test Set	Transistors to be tested are plugged into jacks on front panel of tester. Voltage and current outputs are measured with panelmeters.	IBM Corp 3034682	CRC-57-200		U/W AN/FSQ-7 AN/FSQ-8
TS-1132()/FSQ TS-1132/FSQ	Diode Semiconductor Device Test Set	Measures parameters of zener diodes to determine that parameter conforms with field test specs by providing known inputs and metering outputs.	IBM Corp 3218003	CRC-57-199		U/W AN/FSQ-7 AN/FSQ-8
TS-1133()/ARM-35 TS-1133/ARM-35	Radio Test Set	2 to 9.1Mc. Used in making measurements of modulation and frequency of transmitter portion of receiver transmitter.	Aircraft Radio Corp 19785	USN-57-Q-2030		P/O AN/ARM-35 U/W AN/ARC-39
TS-1134()/DSM-48 TS-1134/DSM-48	Flight Controller Test Set	Positive flight termination control T/S CVTS-137 supplies a 28vdc current to the positive flight termination control CVTD-7, to simulate operating conditions for bench test, contains timer to measure time between operations.	Chance-Vought CVE-084360	USN-57-Q-2084		P/O AN/DSM-48
TS-1135()/DSM-50 TS-1135/DSM-50	Valve Transfer Test Set	Servo cycling unit, provides reversing voltage to the missile autopilot.	Chance-Vought CVE-084035	USN-57-Q-2093		P/O AN/DSM-50
TS-1136()/DRM-4 TS-1136/DRM-4	Missile Guidance System Test Set	Checks the operation of the coder, decoder, transmitter, and receiver used with the radio command control guidance system. U/W Regulus II.	Chance-Vought CVE-161482	USN-57-Q-2101		P/O AN/DRM-4
TS-1137()/DRM-4 TS-1137/DRM-4	Relay Test Set	Supplies signals to and monitors the response of relays of the control guidance system under test. U/W Regulus II.	Chance-Vought CVE-161483	N-57-Q-2102		P/O AN/DRM-4
TS-1138()/DRM-4 TS-1138/DRM-4	Decoder Test Set	Checks the throttle system of the missile; checks the operation of the decoder unit. U/W Regulus II.	Chance-Vought CVE-161481	USN-57-Q-2103		P/O AN/DRM-4
TS-1139()/DSM-52 TS-1139/DSM-52	Flight Controller Test Set	Classified.		USN-57-Q-2104		
TS-1140()/DSM-52 TS-1140/DSM-52	Radar Test Set	Classified.		USN-57-Q-2105		
TS-1141()/DSM-52 TS-1141/DSM-52	Gyro Instrument Testing Leveling Fixture	Gyro tester, portable, allows 360° rotation of pitch roll and yaw gyros, to determine how gyros react to changes of inclination.	Chance-Vought CVE-161064	USN-57-Q-2106		P/O AN/DSM-52
TS-1142()/DSM TS-1142/DSM	Servo Test Set	Portable, facilities for furnishing a signal through closed loop auto pilot servo system.	Chance-Vought CVE-161065	USN-57-Q-2107		P/O AN/DSM-52 AN/DSM-53
TS-1143()/DSM-52 TS-1143/DSM-52	Stabilization Control Test Set	Supplies 28vdc and 400cps signals and monitors response and relay functions; monitors servo output. U/W Regulus II.	Chance-Vought CVE-161485	N-57-Q-2108		P/O AN/DSM-52
TS-1144()/DSM-52 TS-1144/DSM-52	Synchro Test Set	Portable, allows 180° rotation either side of null position.	Chance-Vought CVE-161206	USN-57-Q-2109		P/O AN/DSM-52
TS-1145()/DSM-52 TS-1145/DSM-52	Amplifier-Transducer Test Set	Monitors closure of switches and 400cps output signal of the mach and airspeed transducer while under simulated flight conditions.	Chance-Vought CVE-161956	USN		P/O AN/DSM-52
TS-1146()/FPS-20A TS-1146/FPS-20A	Waveguide Arc-Over Detector	Arc-over test set, provides means to protect the klystron during period of arc-over.	Bendix Radio R657000-1	WL-57-2449	RADC-2417	P/O AN/FPS-20A
TS-1147/USM-84	Relay Test Set	Milliameter, relay test set, 0 to 30ma, 0 to 150ma, 0 to 750ma.	Automatic Electric H-88733-2	USN-58-Y-46		P/O AN/USM-84
TS-1148/FSA-17	Patching Panel Test Set	Checks continuity of cords and proper patching.	Virginia Electronics C175AD65A	USN-58-Y-129	SHIPS-C-2672	P/O AN/FSA-17
TS-1149/FSA-17	Plug-In Unit Electronic Circuit Test Set	Circuit test set, tests all plug-in units of console group, Communications Control AN/FSA-17, continuity tests and gain tests of audio amplifiers.	Virginia Electronics C175AD64A	USN-58-Y-130	SHIPS-C-2672	P/O AN/FSA-17
TS-1150/ASN-21	Computer Test Set	Air speed simulator and calibrator, 0 to 250 knots, magnetic headings 0 to 360°.		USN-58-Q-131		U/W AN/ASN-21
TS-1151()/GRQ-2 TS-1151/GRQ-2	Servo Test Set	Provides a tracking error signal for testing manual and conical modes of operation of track antenna.	GE-Syracuse PL-761422OG1	WDD-57-411		P/O OA-1846()/GRQ-2 OA-2496/GRQ-2A OA-2496A/GRQ-2A

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TS-1152()/GRQ-2 TS-1152/GRQ-2	Servo Test Set	Signal generator, provides a tracking error signal corresponding to low speed tracking rates; this signal is used for testing the monopulse mode.	GE-Syracuse PL-7041609G1	WDD-57-412		P/O OA-1846()/GRQ-2 OA-2496/GRQ-2A OA-2496A/GRQ-2A
TS-1153()/SPM-11 TS-1153/SPM-11	Radar Test Set	Classified.		USN-58-ag-238		
TS-1154()/DSM-53 TS-1154/DSM-53	Amplifier Test Set	Servo amplifier test set, used to indicate missile autopilot system, portable.	Chance-Vought CVE-161222	USN-58-ah-243		P/O AN/DSM-53
TS-1155()/DSM-53 TS-1155/DSM-53	Valve Transfer Test Set	Checks operation of missile servo valves, independent of the rest of the auto pilot system.	Chance-Vought CVE-161220	USN-58-ah-245		P/O OA/1896/DSM-53
TS-1156()/DSM-53 TS-1156/DSM-53	Landing Gear Tester	Used in cycling tests and to raise or lower landing gear in loading or off-loading operations.	Chance-Vought CVE-161219	USN-58-ah-247		P/O OA/1855/DSM-53
TS-1157/SPG-51	Data Converter Transmitter Test Set	Classified.		USN-58-d-302		
TS-1158/G	Amplifier Test Set	Used to examine the performance characteristics of the AM-1023/MSA-6 Direct Current Amplifier.		ORDDW-356-57		
TS-1159/ARM-31	Indicator Test Set	Calibrator, contains indicators and jack arrangements for use in testing airborne TACAN equipment.	Stromberg-Carlson Co 666097-031	USN-58-Q-383	MIL-T-19205 (Aer)	P/O AN/ARM-31
TS-1160()/U TS-1160/U	Dead Reckoning Tracer Test Set	Similar to TS-999/U but not interchangeable, differs in that the input speed has been changed from 300 knots to 200 knots.		USN-58-Q-385		U/W AN/ASA-14
TS-1161()/FST-2 TS-1161/FST-2	Selector Unit Test Set	Stepping switch checker, continuity and sequencing.	Burroughs-Paoli DPM-49093	CRC-58-26	MIL-T-9766	P/O AN/FST-2
TS-1162()/FST-2 TS-1162/FST-2	Power Supply Test Set	Checks rectifier power supplies.	Burroughs-Paoli DPM-49094	CRC-58-27	MIL-T-9766	P/O AN/FST-2
TS-1163()/FST-2 TS-1163/FST-2	Voltage Regulator Test Set	Provides facilities for monitoring, loading and trouble-shooting.	Burroughs-Paoli DPM-49097	CRC-58-28	MIL-T-9766	P/O AN/FST-2
TS-1164()/FST-2 TS-1164/FST-2	Video Signal Test Set	Video signal generator, provides simulated video, noise and appropriate gating voltages necessary to test video quantizer.	Burroughs-Paoli DPM-49088	CRC-58-29	MIL-T-9766	P/O AN/FST-2
TS-1165/DSM	Pneumatic Guided Missile Test Set	Monitors temperature and pressures and regulates pressures of compressed air.	Convair-Buord LD-478874	N-58-ag-477	MIL-P-21271 (NORD)	U/W BT-3
TS-1166()/FST-2 TS-1166/FST-2	Plug-In Unit Test Set	Pulse generator: generates pulses to permit operator to analyze special circuit type plug-in units.	Burroughs-Paoli DPM-49087	CRC-58-15	MIL-T-9766	P/O AN/FST-2
TS-1167()/FST-2 TS-1167/FST-2	Plug-In Unit Test Set	Pulse generator: generates pulses to permit operator to analyze special circuit type plug-in units.	Burroughs-Paoli DPM-49086	CRC-58-16	MIL-T-9766	P/O AN/FST-2
TS-1168()/FST-2 TS-1168/FST-2	Detector-Matrix Test Set	Designed to provide suitable waveform outputs to enable operator to test certain plug-in packages in AN/FST-2&().	Burroughs-Paoli DPM-49603	CRC-58-18	MIL-T-9766	P/O AN/FST-2
TS-1169()/FST-2 TS-1169/FST-2	Shift Register Test Set	Provides test patterns necessary to test and trouble shoot magnetic shift registers used in AN/FST-2&().	Burroughs-Paoli DPM-49085	CRC-58-19	MIL-T-9766	P/O AN/FST-2
TS-1170()/FST-2 TS-1170/FST-2	Relay Test Set	Used to examine relays used in AN/FST-2&().	Burroughs-Paoli DPM-49096	CRC-58-21	MIL-T-9766	P/O AN/FST-2
TS-1171()/FST-2 TS-1171/FST-2	Test Adapter	Allows cores of packages located within AN/FST-2&() to be accessible externally.	Burroughs-Paoli DPM-43429	CRC-58-22	MIL-T-9766	P/O AN/FST-2
TS-1172()/FST-2 TS-1172/FST-2	Test Adapter	Allows rapid and safe connection of metering equipment to any plug-in package socket.	Burroughs-Paoli DPM-49165	CRC-58-23	MIL-T-9766	P/O AN/FST-2
TS-1173()/FST-2 TS-1173/FST-2	Converter Test Set	Precision voltage source and monitor to test digital-analog converters used in AN/FST-2&().	Burroughs-Paoli DPM-49091	CRC-58-24	MIL-T-9766	P/O AN/FST-2
TS-1174()/FST-2 TS-1174/FST-2	Servo Test Set	Facilitates aligning and testing of servo devices. Provides signals and monitoring devices.	Burroughs-Paoli DPM-49090	CRC-58-25	MIL-T-9766	P/O AN/FST-2
TS-1175()/FST-2 TS-1175/FST-2	Message Console Test Set	Provides metering and switching necessary for testing OA-1206/FST-2&().	Burroughs-Paoli DPM-49089	CRC-58-30	MIL-T-9766	P/O AN/FST-2
TS-1176()/FST-2 TS-1176/FST-2	Indicator Test Set	Generator, provides timing, trigger and gating pulses for calibrating and trouble-shooting CRT displays used in AN/FST-2&().	Burroughs-Paoli DPM-49092	CRC-58-31	MIL-T-9766	P/O AN/FST-2
TS-1177()/FST-2 TS-1177/FST-2	Adapter Test	Permits components of a plug-in package to be inspected without disturbing machine operation.	Burroughs-Paoli DPM-39903	CRC-58-34	MIL-T-9766	P/O AN/FST-2
TS-1178/UPM-26	Radar Test Set	Provides test signals for Radar Recognition Sets AN/APX-7 and AN/APX-20; overall equipment is downgraded.	Packard-Bell 103131	USN-58-Q-562	MIL-T-19266	P/O AN/UPM-26
TS-1179/SPM-8A	Frequency Calibrator	Classified.		N-58-d-584		
TS-1182/USQ-17	Computer Test Set	Indicates condition of all registers in computer.	Remington Rand Univac	USN-58-X-610	SHIPS-2542	P/O AN/USQ-17

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TS-1183()/AWM-3 TS-1183/AWM-3	Computer Test Set	Will test Computer MK 87 Mod 0 while it is mounted and connected in the aircraft.	AC Spark Plug 7900260	N-58-Q-664	BuAer XAV	P/O AN/AWM-3
TS-1184()/DJM-7 TS-1184/DJM-7	Resistance Bridge	Ohmmeter incorporating a precision bridge and null indicating meter.		WDD-57-704		P/O AN/DJM-7
TS-1185()/GSM TS-1185/GSM	Electrical Circuit Test Set	Provides necessary power, signals and measuring devices to test: low voltage continuity, short resistance, high voltage continuity, high voltage insulation leakage, and resistance.	Convair	WDD-58-2059		
TS-1186()/GSM TS-1186/GSM	Missile Systems Checkout Fault Locator	Receives signals from APCLE and provides visual display of the status-of-operation.	Convair 27-5004	ADD-58-2083		
TS-1187/GRM	Motor Generator Tester	Portable. Checks the missile motor-generator output voltages, frequency, and phase sequences.		USAF		
TS-1188()/DSM-53 TS-1188/DSM-53	Gyroscope Test Set	Operates in conjunction with other units of AN/DSM-53 to determine stabilization gyro compensation co-efficients.	Chance-Vought SK-9865	USN-58-ah-825		P/O AN/DSM-53
TS-1189/PD	Radiac Detector Test Chamber	Radiac detector emanates 140 mr/4min, radiation: gamma; radioactive material: cesium 137.	Victoreen Inst Co 727	USN-58-b-968	SHIPS-R-2890	P/O IM-9C/PD IM-9D/PD
TS-1190()/FRC-47 TS-1190/FRC-47	Radio Test Set	10.75kc to 113kc. Measures signal-to-noise ratio, output level and intermodulation. 0 to 60db in 10db steps.	GE-Syracuse PL-549915201	CRC-58-107		P/O OA-1661/FRC-47
TS-1191()/FRC-47 TS-1191/FRC-47	Signal Noise Ratio Measuring Set	350 to 450Mc, measures the long term average sig-to noise ratio of the transmitted signal.	GE-Syracuse 5499197G1	CRC-58-175	MIL-R-26422	P/O OA-1973/FRC-47
TS-1192()/FRC-47 TS-1192/FRC-47	Signal Noise Ratio Measuring Set	5 to 9kc ±3db. Input Z: 130Ω μv 5000Ω. Measures long-time average signal to noise ratio: -30 to -70dbm.	GE-Syracuse 5498213G1	CRC-60-R-24		P/O OA-1973/FRC-47
TS-1193/ASM-6	Magnetic Detector Test Set	Measures recorder sensitivity, and linearity, servo error, and response. Provides 0.5cps and dc signals for sensitivity and dμff tests. Measures ac line voltage.	Dalmo-Victor Co	USN-58-n-996	MIL-T-19432 (AER)	P/O AN/ASM-6 U/W AN/ASQ-10
TS-1194/U	Relay Test Set	Primarily used in testing SIGMA Series #72 Relays.	Sperry Gyroscope Co 4501	58-TC-35		
TS-1194A/U	Relay Test Set	Measures trip or operating currents, contact bias under operating conditions aid break of contacts. Range: 20 to 125 DOT cycles/sec. Sensitivity: 5 to 60ma.	Sigma Instruments Inc 4515	59-SEA-88		
TS-1195()/FSQ TS-1195/FSQ	Indicator Subassembly Test Set	Measures voltage levels and waveforms with external meters and equipment.	IBM Corp	CRC-58-97		P/O AN/FSQ-7 AN/FSQ-8
TS-1196/USM-70	Computer Test Set	Checks the computational accuracy of Aero 5B Computers.	Westinghouse Electric 702R120G01	USN-58-ah-1301		P/O AN/USM-70
TS-1197()/AWM-4 TS-1197/AWM-4	Fuze Function Control Test Set	Makes an accurate determination of the proper functioning of a fuze charging system.		USN-58-ah-1251		U/W AN/AWW-1()
TS-1198()/AWM-4 TS-1198/AWM-4	Electrical Cable Test Set	Checks operation of bomb release cables.		USN-58-ah-1252		P/O AN/AWM-4()
TS-1199/DKT	Frequency Calibrator	For telemetering transmitters in TALOS, TERRIER & TARTER Exercise Missiles.		USN-58-d-1260		
TS-1200/ASM-11	Guided Missile Launcher Test Set	Tests the launcher power supply Aero 3A or 4A. Checks missle's firing circuits, presence of stray voltages, aircrafts launcher circuits, and the aircrafts jettison circuits.		USN-58-ah-1646		P/O AN/ASM-11
TS-1201()/U TS-1201/U	Exciter Frequency Synthesizer	100kc input produces output at every 10cps from 2 to 30Mc at low power levels. Suitable for use as exciter unit for transmitter.		AEL-58-432		
TS-1202()/U TS-1202/U	Radio Frequency Power Test Set	Wattmeter, measures low power output of low power transmitters 1 to 1000Mc, 0 to 4w.	MC Jones Elec Co 624 624B	SESA-58-108		P/O DP-11974A U/W AN/ARC-60
TS-1203()/TSM-31 TS-1203/TSM-31	Radar Data Display Test Set	Provides dc levels and pulses which simulate the input data of 216 targets. Signal generator repetition rate 6.25kc; pulse width 1μsec.	Remington Rand Univac 190-000	CRC-58-274		P/O AN/TSM-31
TS-1204()/TSM-30 TS-1204/TSM-30	Computer Test Set	Provides a means of performing preventive and corrective maintenance tests on a computer group. Checks contacts of stepping switches.	Remington Rand Univac 154000	CRC-58-270		P/O AN/TSM-30
TS-1205()/TSM-32 TS-1205/TSM-32	Electronic Circuit Plug-In Unit Test Set	Contains signal generators, power supplies, control circuitry and load terminations to test individual printed circuit units used in the AN/TSQ-13&().	Remington Rand Univac 133000	CRC-58-281		P/O AN/TSM-32 U/W AN/TSM-13
TS-1206()/ASB-1 TS-1206/ASB-1	Crystal Test Set	Measures crystal current 0 to 1.5ma dc.	Philco Corp	USN-58-ah-1631		P/O DP #1745A U/W RT-170A/ASB-1
TS-1207/FPN-38	Phase Calibrator	Used to calibrate and align phase shifting networks and devices. Equivalent to Acton Labs Mod 706A. 100kc input.	Sperry Gyroscope Co 1200108	N-58-ac-1730		P/O OA-2066/FPN-38
TS-1208/FPN-38	Electrical Pulse Analyzer	Measures the Loran-C transmitted pulse shape.	Sperry Gyroscope Co 1500957	N-58-ac-1740		P/O OA-2068/FPN-38

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TS-1209()/MSQ	Electronic Circuit Plug-In Unit Test Set	Portable printed card tester. Lights and meters are used to pinpoint defective portions of card and circuitry including diodes and transistors. Requires power supply giving -6/-7.5/-12/-150/+28 and +150vdc and 6.3vac.	Hughes Aircraft Co 503096-200	SESA-58-194		U/W AN/MSQ-18 OA-1593()/MSQ
TS-1210()/TSM TS-1210/TSM	Data Link Converter-Receiver Analyzer	Analyzes the output at a data link receiver and the logic of a data link converter.	Radio Corp of Amer	AEL-58-545		P/O AN/TSM-22 AN/TSM-23 AN/TSM-24
TS-1210A/TSM	Data Link Converter-Receiver Analyzer	Analyzes the output of a data link receiver and the logic of a data link converter.	Radio Corp of Amer 8321130-501	AEL-61-713		P/O AN/TSM-22A,23, 24
TS-1211()/TSM-23 TS-1211/TSM-23	Data Link Coupler Analyzer	Classified.		AEL-58-544		
TS-1212()/TSM-24 TS-1212/TSM-24	Data Link Coupler Analyzer	Analyzes the circuitry of the data link coupler by comparison with other standard couplers.	Radio Corp of Amer	AEL-58-552		P/O AN/TSM-24
TS-1213()/GRM	Digital Voltmeter Test Set	Battery operated, functions as a portable tester for the digital voltmeter.	GE Utica 7969500G2	WDD-58-241		U/W ME-145()/GRM AN/DRW-10
TS-1214()/TSM-22 TS-1214/TSM-22	Data Link Coupler Analyzer	Analog comparator in which standard inputs to the data link coupler are compared to the outputs.	Radio Corp of Amer	AEL-58-559		P/O AN/TSM-22
TS-1214A/TSM-22	Data Link Coupler Analyzer	Analog comparator in which standard inputs to the data link coupler are compared to the outputs.	Radio Corp of Amer 8321138-501	AEL-61-715		P/O AN/TSM-22A
TS-1215()/TSM-26 TS-1215/TSM-26	Electronic Circuit Plug-In Unit Test Set	For functional and dynamic tests on plug-in circuits which are subassemblies of the time division multiples data link equipments.	Radio Corp of Amer	AEL-58-565		P/O AN/TSM-26
TS-1215A/TSM-26	Electronic Circuit Plug-In Unit Test Set	Same description as TS-1215/TSM-26 & (), but contains elapsed time indicator.	Radio Corp of Amer 8321136-501	AEL-61-718		P/O AN/TSM-26A
TS-1216A/UD	Radiac Calibrator	Calibrates radiac survey equipment and dosimeters aboard naval vessels and shore installations.	Amer Mach & Foundry E-1444	N-60-X-199	SHIPS-C-3458	
TS-1216B/U	Radiac Calibrator	Calibrates radiac survey equipment and dosimeters aboard naval vessels and shore installations.	Amer Mach & Foundry E-1444A	N-61-X-159	SHIPS-C-3458	
TS-1217/DPM-8	Radar Test Set	Monitors output signals and internal conditions of the radar tracking beacon. An RF demodulator is included. 5400 to 5900Mc.	Chance-Vought CVE-162216	N-58-ah-1931		P/O AN/DPM-8
TS-1218()/TSM TS-1218/TSM-28	Data Link Coupler Analyzer	Analog comparator. Standard inputs to the data link coupler are compared to the outputs.	Radio Corp of Amer	AEL-58-568		P/O AN/TSM-28
TS-1219/APH	Recorder Test Set	Performs complete functional test of the RO-46/APH Signal Data Recorder.	North Amer Aviation 55116-307	USN-58-ah-1962		U/W RO-46/APH
TS-1220()/ARM-41 TS-1220/ARM-41	Electrical Circuit Plug-In Unit Test Set	Tests individual subassemblies or plug-in modules of Radio Set AN/ARC-58(V).	Collins Radio 1-4330-4	AEL-58-582	EXH: RADC-1800A	P/O AN/ARM-41
TS-1221()/GSQ-33 TS-1221/GSQ-33	Fault Locator	Tests the operation of the computer.	Burroughs-Detroit DCS/4-29	WDD-58-1042		U/W AN/GSQ-33
TS-1222/SQS-23	Sonar Test Set	Classified.		USN-58-u-2037		
TS-1223/ARM-42	Radio Test Set	Direction finder test set, for accuracy and sensitivity characteristics.	Lear Inc 714961	SESA-58-270		P/O AN/ARM-42
TS-1224()/GRS-1	Confidence Panel Test Set	Classified.		WDD-58-146		
TS-1225()/GRS-1	Confidence Panel Test Set	Classified.		WDD-58-147		
TS-1226()/GRS-1	Boresight Tower Test Set	Classified.		WDD-58-156		
TS-1227()/GRQ-2 TS-1227/GRQ-2	Automatic Sequence Tester	Used to completely check the automatic sequence control panel in the translator cabinet.	GE-Syracuse PL7309262G2	WDD-62-10111		P/O AN/GRQ-9
TS-1228()/GRS-1	Servo Test Set	Classified.		WDD-58-307		
TS-1229()/GRS-1	Checkout Panel Test Set	Classified.		WDD-58-308		
TS-1231/DSM-32	Guided Missile Test Set	Classified.		USN-58-ah-2104		
TS-1232()/U	Telephone Test Set	Tests input and output amplifiers and signaling circuits.		SEL-58-327		

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TS-1233()/WLR-1 TS-1233/WLR-1	Servo Test Set	Microammeter: null instrument, 0 to ±100μa. For adjustment of servo potentiometer in the frequency converter timers and tuned cavities; also aligns limit switches in same.	Collins Radio 545-2118-004	N-58-X-2267	SHIPS-C-1797A	P/O AN/WLR-1
TS-1234()/GSM TS-1234/GSM	Missile Launcher Test Set	Used to locally test and checkout the launcher holddown and stabilizing arms and to mate the missile to the launcher prior to erection.	Convair 27-63015-505	WDD-58-2171		
TS-1235/UPM-8B	Radar Test Set	Output: 1007.5 to 1032.5Mc, 900 ±25 pulse pairs/sec, 0.7 to 132μsec duration; spacing: 3/5/8μsec; power level: 48 to 100db below lv. Input: 1087.5 to 1112.5 ±3Mc; Mark X and SIF pulse. Tests: transmitter frequency and relative power output, decoding of Mode 1, 2 or 3 interrogations. Reply coding, SIF, receiver frequency.		USN-58-ah-2276	MIL-T-19331	P/O AN/UPM-8B U/W AN/APX-6B AN/APA-89
TS-1236A/URM-116	Spectrum Analyzer	450 to 550kc. CRT type; displays frequency spectrum of various bandwidths with center at 500kc. Input Z: 50Ω. Measures distortion component in RF equipments.	Technical Mat Corp SA-2	N-62-Y-197		P/O AN/URM-116A U/W PP-2206/URM-116
TS-1237()/ARM-43 TS-1237/ARM-43	Radio Test Bench	Test bench used to evaluate modules, measures power output. Work area of 40 by 34 inches.	Hughes Aircraft Co	AEL-58-746	EXH: WCIN-12758	P/O AN/ARM-43
TS-1238()/ARM-43 TS-1238/ARM-43	Digital Components Test Bench	Tests digital components of AN/ARC-68(V); measures power output, evaluation of modules.	Hughes Aircraft Co	AEL-58-747	EXH: WCLN-1275B	P/O AN/ARM-43
TS-1239()/ARM-43 TS-1239/ARM-43	Electronic Circuit Plug-In Unit Test Set	"Go-no-go" type of tests. Evalutes the plug-in modules on a comparison basis.	Hughes Aircraft Co	AEL-58-748	EXH: WCLN-1275B	P/O AN/ARM-43
TS-1240()/ARM-43 TS-1240/ARM-43	Translator Test Set	Used for signal monitoring and evaluation of the synthesizer, receiver-driver, power supply, and power amplifier units of CV-713/ARC-68, when operating disassembled.	Hughes Aircraft Co	AEL-58-570	EXH: WCLN-1275B	P/O AN/ARM-43 U/W CV-713/ARC-68
TS-1241()/ARM-43 TS-1241/ARM-43	Radio Test Set	Isolates failures on a unit basis, monitors certain electrical parameters of an operating system.	Hughes Aircraft Co	AEL-58-752	EXH: WCLN-1275B	P/O AN/ARM-43
TS-1242()/USM-97 TS-1242/USM-97	Computer Test Set	Classified.		USN-58-b-2371		
TS-1243()/GRS-1	Antenna Boresight	Classified.		WDD-58-345		
TS-1244()/GJM-1 TS-1244/GJM-1	Ground Sequencer Test Set	Performs "go-no-go", checks on the ground sequencer circuit simulator; checks on a module or circuit basis.	Aerojet General Corp	WDD-58-2563		P/O AN/GJM-1 U/W SM-162/GJM-1
TS-1245()/GJM-2 TS-1245/GJM-2	Airborne Sequencer Test Set	Performs "go-no-go", checks on the airborne sequencer circuit simulator; also has fault isolation capabilities.	Aerojet General Corp	WDD-58-2566		P/O AN/GJM-2 U/W SM-163/GJM-2
TS-1246()/GJM-3 TS-1246/GJM-3	Rocket Engine System Analyzer	Automatic; checks integrity of the engine harness and GSE cabling to the engine; verifies accomplishment of all checkout transfer functions.	Aerojet General Corp	WDD-58-2569		P/O AN/GJM-3
TS-1247()/GJM-4 TS-1247/GJM-4	Rocket Engine System Analyzer	Automatic; checks the integrity of the engine harness and GSE cabling to the engine; verifies accomplishment of all checkout transfer operations.	Aerojet General Corp	WDD-58-2572		P/O AN/GJM-4
TS-1248/USM-99	Electrical Power Test Set	Voltmeter: 0 to 35/150/300vdc, 35vdc; sensitivity: 12Ω/v. Frequency: 380 to 420cps. For pre-flight test and adjustment of primary power sources in naval aircraft. Measures voltage, frequency and phase sequence.	Winslow Co 367-01,367-21	N-59-ah-4		P/O AN/USM-99
TS-1249/UPM-89	Amplifier Test Set	Used to check adjustment of the phase and gain of the tilt resolver and azimuth resolver amplifiers.	Hazeltine Electronics A-31175	N-59-ah-10	MIL-T-945	U/W AN/UPM-89 AN/913/APS-82
TS-1250()/T TS-1250/T	Audio Test Set	Signal generator range: 100 ±50cps, 0 to 10v; voltmeter: 0 to 1/3/10v. Measures audio voltage levels. May be used as a 1000cps signal generator.	Collins Radio 542-8929-004	WL-58-2291	EXH: RADC-1800A	P/O AN/TTC-11
TS-1251()/U	Electrical Power Test Set	A transistor power supply tester.		SEL-58-347		P/O AN/USM-95()
1252()/U	Signal Generator Test Set	For calibration of the frequency deviation of FM signal generator. 1000 to 8500Mc.		SEL-58-341		
TS-1253()/UPM TS-1253/UPM	Radar Test Set	Chasis contains power supply subchassis and four plug-in modules: oscilloscope display; sweep generator; reply coder.	Admiral Corp 245B	N-59-b-27		P/O AN/UPM-4C, 69,98
TS-1253()/UP TS-1253/UP	Radar Test Set	Designed to replace Oscilloscope OS-29/UPM-4A as a major unit of Radar Test Set AN/UPM-99 which is a field changed AN/UPM-4A. Same description as TS-1253/UPM().	Admiral Corp 597D104	USN-59-b 2115	SHIPS S-2234A	P/O AN/UPM-4A, 98,99
TS-1254/URM-93	Radio Frequency Voltage Standard	0.1 to 1000Mc; 0.5, 1.0 and 2.0μv ± 10% (to 100Mc). Also supplies dc voltages from internal batteries. For calibrating signal generators and measuring receiver sensitivity.	Boonton Radio Corp 245B	SESA-59-107		P/O AN/URM-93
TS-1254A/URM-93	Radio Frequency Voltage Standard	Same description as TS-1245/URM-92 but lowest frequency is 0.5Mc. Provides 10 to 100% AM.	Boonton Radio Corp 517B	SESA-59-263		P/O AN/URM-93A
TS-1255()/G	Amplifier Test Set	Test set for checking power requirements and overall operation of AF Amplifier Type A-2.	Sperry Gyroscope Co 1000188	SESA-58-255		U/W AF type A-2 Amplifier

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-1256()/U	Radio Frequency Power Test Set	RF wattmeter used in test and repair of low power transmitters in the 2 to 500Mc range.	Electro-Impulse Lab PM-2	SESA-58-257		U/W AN/ARC-59
TS-1257/USM-96	Radio Frequency Power Test Set	Broad band RF power meter used to make direct accurate CW or pulse power measurements over the complete frequency spectrum from 1000Mc to 10,000Mc.	Bruno Inc 94E	SESA-59-110		U/W AN/TPS-1D
TS-1258/G	Missile Hydraulic Control Valve Test Set	Used to test the missile four-way transfer valve in four various stages of assembly.		ORDXR-80-59		
TS-1259()/USM-101	Subassembly Power Meter	Bi-directional RF power monitor for measuring incident and reflected power flow into the antenna in the actual operating circuit of transmitters.	Sierra Electronics 164-FFN	SESA-58-306		P/O AN/USM-101()
TS-1261/U	Electrical Power Test Set	25 to 400cps; 10 to 1000a; up to 2.4kv. Includes ammeter; voltmeter, wattmeter, and power factor meter of these ranges.	Nigara Electrical	USN-59-T-323		
TS-1262()/ASN-22	Automatic Pilot Test Set	Complete tester for the autopilot system; simulates actual operating conditions for adjustment purposes; used without removing system from plane.	Lear Inc LT-3428	SESA-58-291		U/W AN/ASN-22
TS-1263()/ASN-22	Automatic Pilot Test Set	Provides means of providing adjustment and functional test of Lear Model 2500B Automatic Release.	Lear Inc LT-3451	SESA-58-292		U/W AN/ASN-22
TS-1264()/ASN-22	Automatic Pilot Test Set	Provides means of performing necessary tests on Model 1357 Approach and Navigational Coupler, as well as complete system for monitoring the operation of the coupler.	Lear Inc LT-3554	SESA-58-293		U/W AN/ASN-22
TS-1265()/ASN	Automatic Pilot Test Set	Provides necessary signal and power sources for bench testing control amplifiers of autopilot systems, including meters for monitoring signal and power voltages.	Lear Inc LT-3777	SESA-58-294		U/W AN/ASN-22,23
TS-1266()/ASN-22 TS-1266/ASN-22	Automatic Pilot Test Set	Provides necessary switches, meters and connections to adjust and test the slaving amplifier modular subassembly of the control gyro and amplifier part of autopilot system.	Lear Inc LT-3058	SIMSA SESA-58-295		U/W AN/ASN-22
TS-1267()/ASN TS-1267/ASN	Automatic Pilot Test Set	Provides a means of checking the multiple channel amplifier employed in 3 axis gyro and amplifier assembly of the autopilot systems.	Lear Inc LT-3059A	SIMSA SESA-58-296		U/W AN/ASN-22,23
TS-1268()/ASM-68 TS-1268/ASM-68	Automatic Pilot Test Set	Provides means of checking operation of servo amplifier employed in the 3 axis gyro and amplifier assemblies of autopilot systems.	Lear Inc LT-3076B	SIMSA SESA-58-297		P/O AN/ASM-68 U/W AN/ASN-22,23
TS-1269()/ASM-69 TS-1269/ASM-69	Automatic Pilot Test Set	Permits dynamic testing of main chassis assembly with amplifier and gyro subassemblies removed. Tests include power distribution, relaying functions, and circuit loadings.	Lear Inc LT-3102A	SIMSA SESA-58-298		U/W AN/ASN-22,23 AN/ASN-69
TS-1270()/ASN-22	Automatic Pilot Test Set	Equipped for making torque-speed, stall torque, residual torque, and insulation resistance tests on the trim servo, part of the autopilot.	Lear Inc LT-3452	SESA-58-299		U/W AN/ASN-22
TS-1271()/ASN-22	Automatic Pilot Test Set	Provides means of checking operation of pitch synchronizer assembly employed in flight controller for autopilot.	Lear Inc LT-3070	SESA-58-301		U/W AN/ASN-22
TS-1272()/ARM-43 TS-1272/ARM-43	Power Supply Module Test Set	Tests power supply module in various converters and translators; instrument contains the necessary loads, voltage and current meters.	Hughes Aircraft Co	AEL-59-79	EXH: WCLN-1275B	P/O AN/ARM-43
TS-1273()/ARM-43 TS-1273/ARM-43	Digital Converter Test Set	Provides test points not in main test harness, and methods for keying sub-carrier oscillator with added control functions. Simulates switching functions for digital converter.	Hughes Aircraft Co	AEL-59-80		P/O AN/ARM-43
TS-1274()/ASN-22 TS-1274/ASN-22	Automatic Pilot Test Set	Permits checking flight controller used in autopilot. Power requirements are 110vac 400cps 3 phase; 27.5vdc. Tests switching ability, solenoid operation, signal outputs.	Lear Inc LT-3088	SESA-58-304		U/W AN/ASN-22
TS-1275()/ASN-23	Servo Test Set	Incorporates switches, dials, cables, controls, and meter for checking reactions of servo motor assembly under simulated flight conditions.	Sikorsky Aircraft S-1670-10426	SESA-58-275		U/W AN/ASN-23
TS-1276()/ASN-23	Automatic Pilot Test Set	Provides equipment necessary for testing, adjusting, and trouble-shooting motor box as individual component of autopilot.	Sikorsky Aircraft S-1670-10422-2	SESA-58-276		U/W AN/ASN-23
TS-1277/U	Voltage Calibrator	Permits operator to quickly test radar set data system and computor 45v reference and will indicate any drift from known readings.	Emerson Radio 539016	N-59-T-648		P/O AN/KPQ-1
TS-1278()/URM-118	Radio Frequency Detector	Super-regenerative AM receiver used as VHF bridge detector over frequency range of 10Mc to 500Mc. Requires 110vac, 50 to 60cps single phase input voltage.	Hewlett-Packard 417A	SESA-58-312		P/O AN/URM-118()
TS-1279()/U	Radio Frequency Power Test Set	0.2 to 500Mc. 0 to .5/6/15/60/150/600w. Measures average power. Z: 51.5Ω.	Electro Impulse Labs PM-18	SESA-59-100		
TS-1280/SPG-55	Radio Frequency Power Test Set	Used to measure peak power in 5200 to 5900Mc range. Sensitive to power inputs of from 7 to 300w.	Sperry Gyroscope Co 2375421	USN-59-d-736		P/O AN/SPG-55

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TS-1281()/TSM-28	Data Link Converter Receiver Analyzer	A signal-tracing equipment which analyzes output of data link receiver and logic of data link converter.	Radio Corp of Amer	AEL-59-100		P/O AN/TSM-28
TS-1282()/AWM-6 TS-1282/AWM-6	Infra-red Receiver Test Set	Simulates the signals from receiver, pre-amplifier and driver amplifier units of IR Receiver Group.		USN-59-ah-869		U/W OA-2061/AWG-8
TS-1283()/U	Relay Test Set	Cancelled 9 July 1959.		SESA-59-212		
TS-1284/G	Radar Test Set	Used to measure CW and pulsed power. Also provides an output consisting of rectified RF pulses for viewing on an external oscilloscope. Cancelled.	Western Electric Co 1873652	USN-59-d-1624		P/O AN/MSG-3A U/W RT-430/T
TS-1285/URM-120	Wattmeter	2 to 100Mc in 2 bands. 0 to 1/5/10/50/100/500 and 1000w ±5% of fs. Insertion VSWR: 1.08 or less. Coupler-detector is rotatable through 180° for reflected or incident power readings.	Sierra Electronics 164-FMN	N-61-W-2816		P/O AN/URM-120 AN/URM-106
TS-1286()/FST-2 TS-1286/FST-2	Magnetic Drum Test Set	Provides means of electrical timing of Magnetic Drum Unit RD-164/FST-2. Operating power requirements are 110vac, 50 to 60cps, single phase: and several dc voltages.	Burroughs Corp DRA 46928	CRC-59-30		P/O AN/FST-2
TS-1287()/GT	Handset	Used for supervisory purposes in automatic exchanges. Power requirements are met by batteries.	Automatic Electric L-965-A0	SESA-59-2222		
TS-1288()/FST-2B TS-1288/FST-2B	Electronic Circuit Plug-in-Unit Test Set	Designed to generate electrical pulses to permit operator to analyze printed circuit type plug-in units which form part of the transmitting set.	Burroughs Corp DRC 82800	CRC-59-211	MIL-E-4158	U/W AN/FST-2B
TS-1289/UPM-101	Radar Test Set	Designed for testing ranging circuits of PPI indicators and performance of radar video distributor systems.	Admiral Corp 597E110	USN-59-X-1139		
TS-1290()/ALM-8 TS-1290/ALM-8	Counter-measures Test Set	Tests gain and frequency response of traveling wave tubes; output voltage, regulation and ripple of power supplies.	Sanders Associates D4928	N-59-ah-1934		P/O AN/ALM-8 U/W AN/ALQ-19
TS-1291()/ALM-8 TS-1291/ALM-8	Electronic Circuit Plug-in- Unit Test Set	Infra-red radiation source provides collimated energy and controls necessary to check operational capabilities of countermeasures system on flight line or bench.	Sanders Associates D5084	N-59 ah-1148		P/O AN/ALM U/W AN/ALQ-19
TS-1292()/AWM-7 TS-1292/AWM-7	Infra-red Source Test Set	Utilizes a black body source of radiance. Incorporates integral resistance thermometer for field calibration. Radiates energy at a power level of 1.5 X 10^{-10} to 3.0 X 10^{-10} w/sq cm.	Perkin-Elmer Corp	USN-59-ah 1184		P/O AN/AWM-7
TS-1293()/U TS-1293/U	Servo Test Set	Provides facilities for checking plotting system servo linearity.	Sperry Utah 275196	SESA-59-150	MIL-P-11268C (Sig)	P/O OA-2337/MPQ-29 U/W AN/MPQ-29
TS-1294/U	Transistor Test Set	Checks parameters (Ico, Ieo, Lo, B, Hfe) of transistors and diodes (forward and reverse currents) directly from internal power supply. Tests semi-conductors requiring up to 0.5a at 100v.	Daystrom Inst	USN-59-T-1278		
TS-1294A/U	Transistor Test Set	Checks parameters (Iceo, Iebo, B, Hfe, Irev, Vfwd, Ifwd) directly from internal power supply. Tests semi-conductors requiring up to 0.5a at 100v.	Transistor Elec Corp	N-60-T-2050		
TS-1295/SPA-15	Periphery Plot Test Set	Permits alignment of periphery plot control. Provides means of comparing phase and amplitude differences of signals.	Motorola-Chicago 301E17985-1	USN-59-b-1363		P/O AN/SPA-15 U/W NJ-MON-3205B-59
TS-1296()/USD-1 TS-1296/USD-1	Launch Control Test Set	Provides means for testing Launch Control Surveillance Drone C-2922/USD-1. Provides "go-no-go" indication by means of indicator lights.	Radioplane-Northrop 68560	SESA-59-2285		P/O OA-2373/USD-1
TS-1297()/USD-1 TS-1297/USD-1	Surveillance Drone Test Set	Provides means for determining, prior to launching, that drone components meet required pre-flight standard.	Radioplane-Northrop 68534	SESA-59-2289		P/O OA-2373/USD-1 OA-2382/USD-1
TS-1298/APM-85	Computer Test Set	Classified.		N-59-ah-1403		
TS-1299()/USD-1 TS-1299/USD-1	Surveillance Drone Test Set	Provides means for testing flight control equipment utilized in operation of OA-2342/USD-1. Permits operational checks of individual units. Provides for system check of certain components.	Radioplane-Northrop	SESA-59-2335		P/O OA-2382/USD-1
TS-1300()/USD-1 TS-1300/USD-1	Instrument Testing Gyro Tilting Table	Provides facilities to test reliability of control roll and pitch, Automatic Pilot C-2903/USD-1.	Forbes-Robertson Prod #69	SESA-59-2336		P/O OA-2382/USD-1
TS-1301()/PSM	Battery Test Set	Used in testing battery, Dry BA-270()/U and BA-279()/U.		SEL-59-185		P/O AN/PSM-13()
TS-1302()/FST-2B TS-1302/FST-2B	Power Supply-Test Set	Tests load and calibration of power supplies. Voltage range: 10/15vdc, ammeter range: 0 to 1a dc, 0 to 10ma, 0 to 500ma dc.	Burroughs-Detroit DRC82900	CCDD-60-R-38	MIL-E-4158	U/W AN/FST-2B
TS-1303()/GJQ-8 TS-1303/GJQ-8	Computer Test Set	Provides logic for testing and evaluating digital and analog answer from computer on basis of information stored in plug board.	Amer Bosch Arma 2-00034-203	WDD-59-510		P/O OA-2184()/GJQ-8
TS-1304()/GWM-4 TS-1304/GWM-4	Analyzer Test Set	Verifies proper condition of special weapons wiring in fighter and bomber aircraft.		SWV-59-70	MIL-T-25821 (USAF)	P/O AN/GWM-4 U/W CX-4828/U CX-4829/U
TS-1305()/GSN-11 TS-1305/GSN-11	Range Calibrator	Provides calibrated range marks to console indicators.	Crosley 610607	CRC-59-120	EXH: AFCRC-57-6	P/O OA-2411/GSN-11

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TS-1306()/APM-125 TS-1306/APM-125	Electronic Altimeter Set Test Set	Tests various stages of altimeter set, Electronic AN/APN-133&(). 1600 to 1660Mc, 1640Mc (nominal).	Stewart Warner Elec	AEL-60-R-126		P/O AN/APM-125
TS-1306()/APM-126 TS-1306/APM-126	Electronic Altimeter Set Test Set	Tests for B+ voltage, power output, pulse shape; contains wave meter for adjusting transmitter frequency. Similar to TS-23()/APN.	Stewart Warner Elec	AEL-59-431		P/O AN/APM-126
TS-1307/ARM-37	Radio Transmitter Test Set	When connected to probe, it provides visual indication of RF power being received.	G L Martin 293BA-400033	USN-59-ah-1699	MIL-T-21448-(AER)	P/O AN/ARN-37 U/W AN/ARW-73
TS-1308/DRM-3	Radio Transmitter Test Set	Checks out complete transmitter, used in aligning and adjusting the individual sub-chassis of transmitter.	G L Martin 293-9295610-39	N-59-ah-1802	MIL-T-21420 (AER)	P/O AN/DRM-3 U/W T-714/ARW-73
TS-1309/USM-75	Electrical Continuity Test Set	Tests for continuity of launcher electrical circuity, proper phase rotation and in-tolerance availability of voltages.	G L Martin	N-59-ah-1707	MIL-T-21419 (AER)	P/O AN/USM-75 U/W Aero-5A Launcher
TS-1310/TRC-27	Radio Test Set	Special test set designed for use with AN/TRC-27 and AN/TRC-27A.	Raytheon-Waltham	N-59-T-1716	MIL-P-15024B (SHIPS)	U/W AN/TRC-27, 27A
TS-1311()/FPT-2 TS-1311/FPT-2	Cavity Tuning Test Set	Fretunes cavities before being positioned in power amplifier room.	Radio Corp of Amer	WL-59-1921		P/O AN/FPT-2 BMEWS
TS-1312()/U	Stroboscope Disk	Stroboscopic device for readily checking tape speeds of all tape recorders and players where 60cps illumination is available.	Scott Instrument Labs	SESA-59-204		
TS-1313/URM-124	Electronic Circuit Plug-In Unit Test Set	Designed specifically for testing individual subassemblies or plug-in units of the AN/TRC-75.	Collins Radio	USN-59-T-1778	USMC, RADC-1800A	P/O AN/URM-124
TS-1314()/U	Radar Test Set	Test Set together with other standard test equipment provides complete test of AN/APX-44.	Wilcox Electric Co 65597	SESA-59-202		U/W AN/AFX-44
TS-1315()/U	Radio Test Set	Performs operational checks on aircraft transmitters, receivers, control units and associated aircraft wiring. Cancelled 26 October 1961.		SESA-59-213		U/W AN/ARC-73()
TS-1316/FGA-4	Telegraph Test Set	Measures distortion in monitor unit wave forms and monitor unit loop signals. Supplies signal to monitor unit for test and alignment purposes.	Stelma Inc D3979	SESA-59-2419		P/O AN/FGA-4
TS-1317/TPQ-10	Computer Test Set	Classified.		USN-59-T-1821		
TS-1318/TPQ-10	Transmitter Test Set	Classified.		USN-59-T-1822		
TS-1319/TSM-15	Crystal Unit Test Set	Designed to test crystal units of all types within frequency range of 75Mc to 200Mc.	Radio Frequency Labs HD-3655 HB-8919	SESA-59-2435		P/O AN/TSM-15
TS-1320/UPM-109	Radar Test Set	Portable; provides simulated target pulse. Ranges: 0 to 100,000 yards, 0 to 5000 knots, 0 to 50g, internal prf: 25 to 5000pps, output amplitude: 0 to 50v, programming sensitivity: 1000 yards per volt.		N-59-ah-2253		P/O AN/UPM-109
TS-1321()/GSN-11 TS-1321/GSN-11	Computer Test Set	Automatically examines alignment of each channel of AN/GSN-11&() in sequence. Gives indication when misalignment occurs.	Crosley 614071	CRC-59-161	EXH: AFCRC-57-6	P/O OA-2339/GSN-11
TS-1322()/GSN-11 TS-1322/GSN-11	Computer Test Set	Provides facilities required for operational alignment and maintenance of AN/GSN-11&().	Crosley 613545	CRC-59-163	EXH: AFCRC-57-6	P/O OA-2339/GSN-11
TS-1323()/PT	Telephone Test Set	Checks performance of cable repeaters. Portable lineman's test set. Range: 1 mile.		SEL-59-292	SigC SCL-1983	U/W TD-204()/U TD-206()/G CX-4245/G
TS-1324/TRC-75	Coupler Control Test Set	Provides testing facilities for the C-2848/TRC-75 and the C-1940/ARC-58.	Collins Radio 522-2000-004	USN-59-T-945A		U/W AN/TRC-75
TS-1325/TRC-75	Radio Test Set	Provides testing facilities for the R-761/ARC-58, T-730/TRC-75 and C-1939/ARC-58.	Collins Radio 522-1999-004	USN-59-T-1999	MIL-T-945A	U/W AN/TRC-75
TS-1326/DSM	Electrical Power and Servo Test Set	Checks servo systems in NIKE-Hercules Missile, and voltage measuring circuits for checking missile voltages and pressure pickup.		ORDXR-98-59		P/O AN/DESM-33A AN/DSM-12C
TS-1329()/ALM-6 TS-1329/ALM-6	Voltage Monitor	Monitors dc levels and furnishes the proper "go-no-go" signals according to the monitored voltage status.	Hoffman Labs AD-135-10-000-0001	AEL-59-795		P/O AN/ALM-6
TS-1330()/ALM-6 TS-1330/ALM-6	Voltage Monitor	"Go-no-go" voltage monitor. Input signal +28vdc level, 0 to -6v pulse, 0 to +6v pulse. Output +28vdc, 0 to -6v, 0 to +6v.	Hoffman Labs HLD-135-10-000-00	AEL-59-796		P/O AN/ALM-6
TS-1331()/FPN-31 TS-1331/FPN-31	Radar Test Set	Measures system noise, transmitter power and terminates waveguide of non-radiating channel.	Airborne Inst Lab 106747	AEL-59-865	EXH: RADC 2532	P/O AN/FPN-31
TS-1332()/U	Voltage Calibrator	Provides circuitry and controls to sample and measure low frequency voltages. 100v, max; 0.1% accuracy; 0 to 100v variable dc stable ref voltage.	Bendix Aviation 1407555-1	N-59-d-2340		U/W AN/DSM-18, MK 11, Mods 0,1,2,4
TS-1333/U	Voltage Calibrator	100v maximum range, 0.5% accuracy. Measures low frequency voltage.	Bendix Aviation 1410085-1	N-59-d-2341		U/W AN/DSM-18
TS-1334()/URM-125 TS-1334/URM-125	Transponder Set Test Set	For captive testing of AN/DPN-62(V) when installed in OA-2343/USD-1.	Radioplane Northrop RAP 101048-3	SESA-59-2573		P/O AN/URM-125

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TS-1335()/UPM-29B TS-1335/UPM-29B	Radar Test Set	Measures and tests radar and beacon equipment performance in frequency range: 15.7 to 17.0kMc. Tests xmitter power and frequency; receiver frequency, sensitivity, bandwidth, recovery time; duplexers AFC circuits.		AEL-59-935		P/O AN/UPM-29B
TS-1336/APM-132	Inclinometer	Specifically designed to provide functions and facilities to measure alignment of CN-482/APQ-72 vertical gyro w/respect to AN/APQ-72. Provides vertical reference.	Westinghouse Electric 602R460G01	N-59-ah-2495		P/O AN/APM-132 U/W AN/APQ-72, AS-940/APQ-72
TS-1337()/UPM 110 TS-1337/UPM 110	Spectrum Analyzer	Analyzes frequency shape of radar xmitter pulsed RF oscillators in 147.5 to 172.5Mc range: single band.	Lavoie k94000230	SESA-59-2610		P/O AN/UPM-110
TS-1338()/APX TS-1338/APX	Module Test	Multivibrator and amplifier circuits sample signals and supplies "go-no-go" panel light outputs.	Hazeltine Electronics 101009	AEL-59-1059		P/O AN/APX-46(V)
TS-1339()/USM-68 TS-1339/USM-68	Radio Frequency Power Radio Test Set	Measures CW, pulse, square or sinewave modulated power in 0.5 to 11.0kMc frequency range: 100μw to 50mw; can be extended to 5.0w.	Bruno Inc 135-4900	WL-59-2064	MIL-B-9560	P/O AN/USM-68
TS-1340/SPM	Radio Frequency Power Test Set	Classified.		N-59-ag-2669		
TS-1341/SPM-10B	Computer Test Set	Classified.		N-59-ag-2670		
TS-1342()/ASM-24	Gyro Magnetic Compass Test Set	Tests gyro magnetic compass system J-2 and AN/ASM-13. Reads dc current and ac frequency. Includes inverter to supply 115vac, 400cps, 3 phase.		SESA-59-266		P/O AN/ASM-24()
TS-1343/U	Decade Capacitor	Source of capacitance for substitution purposes. Ranges: 0.0001 to 0.011μf ±5% accuracy. Rotary switch; 2 binding post terminals.	Cornell-Dublier CDA-5	N-29-T-2857		U/W AN/TRC-75
TS-1344/U	Spectrum Analyzer	Total distortion measurement of ac voltages in 20cps to 20kc range; 3 bands, 4 channels ±2% frequency calibration accuracy.	Hewlett-Packard 330B	N-59-n-2913		P/O AN/FQQ-6
TS-1345()/GPM-43	Transponder Preflight Check Set	Preflight transponder checkout. Facilities for remote operation of AN/DPN-50(). Supplies required voltages and monitors critical voltages and currents	Stromberg-Carlson Co 6661118-200	SEL-59-311		P/O AN/GPM-43() U/W AN/DPN-50()
TS-1346()/UPM-112 TS-1346/UPM-112	Stable Platform Test Set	Variable ac and dc voltage source for operational capability check of entire stabilization group of QRC-70(T) equipment. Contains selector switches, relays, controls and indicators for complete preflight and bench check.	General Mills	AEL-59-1246	MIL-T-945	P/O AN/UPM-112
TS-1347()MSQ-37 TS-1347/MSQ-37	Transponder Set Test Set	Pulse comparison of aircraft and standard pulses. If acceptable, test set modulates xmitter output, signifying correct operation of aircraft IFF equipment; contains malfunction indicator.	Hazeltine Electronics RE-R-50	AEL-59-1224		P/O AN/MSQ-37
TS-1347A/MSQ-37	Transponder Set Test Set	Receiver: 1080 to 1100Mc, sensitivity -95 to -35dbw. Transmitter: 1018 to 1042Mc, output +13 to -47dbw. To evaluate performance of transponder sets equipped for Mark X or Mark X SIF and certain advanced IFF systems.	Hazeltine Electronics A31480-2	AEL-62-924		U/W AN/APX-46
TS-1348()/GMM-1A	Radiosonde Test Set	Simulates battery voltages; includes meters, switches and resistive dummy loads for pre-flight radiosonde and battery checkout.		SEL-59-361		P/O AN/GMM-1A U/W AN/AMT-4()&12()
TS-1349/URM-101	Radio Test Set	Generates TACAN test signal on shipboard or shore installation. Range: 5 miles ± 1/2 mile, and 100 miles ± 2 miles. 1350pps identity tone.	Radio Receptor Corp 116A-304821	N-60-ah-6	MIL-T-21050	P/O AN/URM-101 U/W AN/ARN-21
TS-1349A/URM-101	Radio Test Set	964 and 1205Mc (channel 3 and 118). Modulation: pulse-coded and amplitude to simulate radio bearing of 140 ±2 miles. Simulates 5 ±0.5 miles output. -3dbm receiver sensitivity (±3dbm).	Radiation Inst Co 98-002	NW-63-239	MIL-T-21050 (AER)	P/O AN/URM-101A
TS-1350/TMQ	Amplifier Test Set	Tests single channel amplifiers of ID-553/TMQ-11. Provides 0 to 50μvdc signal with reversible polarity, 120v 50/60cps power and dummy load.		CRC-59-328		U/W AN/TMQ-11
TS-1351/UPS-1	Doppler Radar Receiver Test Set	Frequency data: 30Mc, 1 band, 1 channel, output signal data: 3mμw pulsed IF output.	Radio Corp of Amer 8905032-501	USN-60-T-22		P/O AN/UPS-1
TS-1352()/UPM-28B TS-1352/UPM-28B	Spectrum Analyzer	Portable, general purpose, spectrum analyzer-synchroscope. Provides capabilities for analyzing AM,FM, or pulse signals, as a function of frequency or time. 15.7 to 17kMc range, single band; CRT type.		AEL-60-28	MIL-A-4969A	P/O AN/UPM-28B
TS-1353()/ASM-25 TS-1353/ASM-25	Computer Control Test Set	Simulates the accelerometer output from the Bomb Detecting Set AN/ASB-1A.		N-60-ah-170		P/O AN/ASM-25 U/W AN/ASP-1A
TS-1354()/GAM-1 TS-1354/GAM-1	Infrared Collimator	An inclosed folded optical system with a 12" diameter exit aperture and a 48" focal length. Will measure angles of autocollimation up to 10 milliradians in any direction from the optical axis.	Davidson Optronics 105-0330	AEL-60-44	MIL-T-945A	P/O AN/GAM-1
TS-1355()/GSM-38 TS-1355/GSM-38	Digital Clock Calibrator	Measures a 100kc signal by beating and comparison methods.	General Mills 489006	AEL-60-39		P/O AN/GSM-38
TS-1356()/TSM-25 TS-1356/TSM-25	Data Link Receiving Set Analyzer	Signal tracer for output analysis of receiver, Converter CV-729/ARR-65 &() and Display Indicators, ID-1734/ARR-65&(), ID-735/ARR-65&(). Similar to TS-1210/TSM&().	Radio Corp of Amer	AEL-59-1229	MIL-T-26591 (USAF)	P/O AN/TSM-25

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TS-1357A/TSM-26	Data Link Converter-Receiver Analyzer	Signal tracing equipment which analyzes the output of the data link receiver and the data link converter.	Radio Corp of Amer 8321137-501	AEL-61-719		P/O AN/TSM-26A
TS-1358()/GSM TS-1358/GSM	Fault Locator Missile System Checkout	Supplies monitoring capabilities in addition to those of ID-699/GS for determining establishment of pre-test conditions, also monitors some non-tactical firing functions.	Convair 27-55004-505	WDD-59-2078		
TS-1359()/GSM TS-1359/GSM	Fault Locator Missile System Checkout	Supplies monitoring capabilities in addition to those of ID-699/GS for determining establishment of pre-test conditions, also monitors some non-tactical firing functions.	Convair 27-55004-506	WDD-59-2079		
TS-1360/FPN-42	Electrical Pulse Analyzer	Used to measure the Loran-C transmitted pulse shape.	Sperry Gyroscope Co 1501491	N-60-AC-99		P/O OA-2631/FPN-42
TS-1361()/G TS-1361/G	Telephone Test Set	Tests cord circuits in SB-249A/T.	North Electronics Mfg 506280	SIMSA SESA-60-2090		U/W AN/TTC-7A
TS-1362/APM-136	Signal Simulator	Provides voltages representing various combinations of simulated heading, drift, altitude velocities, and aircraft altitudes.	Ryan Aeronautical Co 114Z7135-1	N-60-ah-311		P/O AN/APM-136
TS-1362A/UPM-136	Signal Simulator	Altitude rate simulator: ascent or descent, 2000 or 4000 feet/minute; doppler simulator: Vg 200kns, drift angle +15°, Vg 200kns, drift angle -15°; pitch simulator: -5° to +5°; roll simulator -10° to +10°. Simulates heading, drift and vertical velocities, and aircraft altitudes by voltages.	Ryan Aeronautical Co 114Z7135-3	N-61-W-2442		P/O AN/APM-136A
TS-1363/APM-137	Electronic Circuit Plug-In Unit Test Set	Allows test of sub-panel assembly in remote location while receiving power from base unit.	Ryan Aeronautical Co 114Z7511-1	N-60-ah-313		P/O AN/APM-137 U/W AN/APN-122(V)
TS-1364/APM-138	Power Supply Test Set	Permits safe and comprehensive servicing of high voltage subassemblies.	Ryan Aeronautical Co 114Z7611-1	N-60-ah-315		P/O AN/APM-138 U/W AN/APN-122(V)
TS-1365/APM-140	Interconnecting Box Test Set	Power supply resistive load.	Ryan Aeronautical Co 114Z3519-1	N-60-ah-320		P/O AN/APM-140
TS-1366/APM-141	Heat Simulator	Klystron tube heat simulator.	Ryan Aeronautical Co 114Z5235-1	N-60-ah-323		P/O AN/APM-141
TS-1367/APM-142	Monitor Calibrator	Static measurement of prime voltages, forces the units through various modes for dynamic tests.	Ryan Aeronautical Co 114Z0021-1	N-60-ah-325		P/O AN/APM-142
TS-1367A/APM-142	Calibrator-Monitor	Doppler simulator: 4.8kc, output Z: 1000Ω; monitor amplifier: gain 40db, input Z: 10kΩ, output Z: 600Ω; summing amplifier: gain 1db, input Z: 10kΩ, output Z: 600Ω; test oscillator: 5kc, 6rmsmv output. Static measuring of prime voltages. Forces units through operation for dynamic testing.	Ryan Aeronautical Co 114Z0021-3	N-61-W-2444		P/O AN/APM-142B
TS-1368/APM-143	Signal Simulator	Monitors the prime test points in the Ground Speed Computer CP-415/APN-122 and provides signals for calibration.	Ryan Aeronautical Co 114Z1101-1	N-60-ah-328		P/O AN/APM-143
TS-1369/APM-144	Electronic Circuit Plug-In Unit Test Set	Provides means for breaking any number of interconnecting circuits and for the connection of external signals.	Ryan Aeronautical Co 114Z2011-1	N-60-ah-330		P/O AN/APN-144 U/W AN/APN-122(V)
TS-1370/ASM-27	Digital Data Test Set	Generates serial data which is used to isolate an equipment malfunction to a specific black box.	Western Electric Co GS-59803	N-60-ah-336		P/O AN/ASM-27 U/W AN/ASW-13
TS-1371()/GWM-4 TS-1371/GWM-4	Adapter Test Set	Connector to test B-52/GAM-77 special weapon monitor and control circuitry.		SWV-60-6	MIL-A-27015 (USAF)	U/W TS-1304/GWM-4
TS-1372/ASM-26	Analog Data Test Set	Provides facilities for preflight testing of Digital Data Communication Set AN/ASW-13.	Western Electric Co GS-59826	USN-60-ah 349		P/O AN/ASM-26
TS-1373/FG	Telegraph Test Set	Supplies predetermined test message to a neutral telegraph circuit.	Stelma Inc EDU-100(NPG)	N-60-Y-401		
TS-1374/FG	Telegraph Test Set	Supplies predetermined test message to a neutral telegraph circuit.	Stelma Inc EDU-100(NPM)	N-60-Y-474		
TS-1375/FG	Telegraph Test Set	Supplies predetermined test message to a neutral telegraph circuit.	Stelma Inc EDU-100(NSS)	N-60-Y-476		
TS-1376/M	Flight Control Test Set	Automatically tests the missile flight controller and localizes malfunctions to the flight controller, the test set, or its comparator.		ORDXR-12-60		
TS-1377/M	Electronic Circuit Plug-In Unit Test Set	Provides all power for subassemblies of MAC and a signal of 32v/second for calibration of timers.		ORDXR-13-60		
TS-1378()/ALM-6 TS-1378/ALM-6	Electronic Reconnaissance System Fault Locator	"Go-no-go" self testing of the multivibrator and relay amplifier and pulse, digital and switch closure signals.	Hoffman Labs	AEL-60-123		P/O AN/ALM-6
TS-1379()/U	Spectrum Analyzer	2 to 40Mc ±1% in 4 bands. Input Z: 50Ω. Uses logarithmic vertical CRT axis to permit ready measurement of in-band third order distortion in SSB transmitters.	Panoramic Radio Prod	N-60-X-515	SHIPS A-2906	U/W SG-376()/U
TS-1380/T	Guided Missile Test Set	Designed to test the guidance section, fins, and overall electrical system.		ORDXR-34-60		P/O OA-2431/D

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TS-1381()/USD-1 TS-1381/USD-1	Flare Ejector Test Set	Tests electrical continuity of a flare ejection system.	Radioplane Northrop 10147	SESA-60-2145		P/O OA-2373/USD-1 OA-2382/USD-1
TS-1382()/UPM-113 TS-1382/UPM-113	Computer Test Set	Measures internal voltage of navigation computers, checks performance of repeater servos in navigation computers.	General Mills	AEL-60-51		P/O AN/UPM-113 & U
TS-1383()/GRM TS-1383/GRM	Coder-Decoder Test Set	Performs certain pre-flight checks on the operation of the Airborne Crypto Data Coder-Decoder KY-337/ARC-68&().	Hughes Aircraft Co	AEL-60-323		U/W KY-337/ARC-68
TS-1384()/UAM-9 TS-1384/UAM-9	Directional Reference Platform Test Set	Makes quantitative measurement of the several directional reference group potentials of interest in each mode of operation.	General Mills 488001	AEL-60-277		P/O AN/UAM-9
TS-1385()/UAM-10 TS-1385/UAM-10	Directional Reference Platform Test Set	Capable of furnishing all control functions and signals normally supplied by the stabilization control and the navigation computer.	General Mills 488002	AEL-60-281		P/O AN/UAM-10
TS-1386/AIQ-2	Automatic Chaff Dispenser Test Set	Checks system continuity.	Cosmos Industries 129-E-1001	N-60-ah-586		U/W AN/AIQ-2
TS-1387()/ALM-10 TS-1387/ALM-10	Recorder Test Set	Checks the Recorder Electronic Reconnaissance Data RD-26/ALH-2.	Webcor Inc 35X0071-1	AEL-60-329		P/O AN/ALM-10
TS-1388()/ALM-11 TS-1388/ALM-11	Recorder Test Set	Designed to reproduce signals recorded with Recorder Electronic Reconnaissance Data RD-26/ALH-2.	Webcor Inc 35X0071-2	AEL-60-335		U/W AN/ALM-11
TS-1389/U	Radio Frequency Power Test Set	Measures the power output from any source 1 to 1000Mc, 0 to 4w.	McJones Elec Co 624N	N-60-T-715		P/O AN/GRM-32,32A AN/GRM-38
TS-1390()/GSM TS-1390/GSM	Electrical circuit Test Set	Services spare umbilical cables and missileborne harnesses.	Convair 2000	WDD-60-2042		
TS-1391/ASQ-10	Magnet Charger	Provides variable magnetic fields for compensating for the field due to the S2F-3 Aircraft, compatable with AN/ASQ-10.	Gruen Labs 121SEAV110-1	N-60-ah-809	MIL-T-21200	U/W AN/ASQ-10
TS-1391A/ASQ-10	Magnet Charger	Same description as TS-1391/ASQ-10.	Grummen Aircraft 121SEAV110-41	N-61-W-2453	MIL-T-21200	U/W AN/ASQ-10
TS-1392()/APQ-83 TS-1392/APQ-83	Amplifier-Control Test Set	Operationally tests the Amplifier-Control AM-2065/APQ-83.	Magnavox Co 193856-1	USN-60-ah 810		U/W AM-2065/APQ-83
TS-1392A/APQ-83	Amplifier-Control Test Set	Provides operational tests for the Amplifier-Control AM-2065/APQ-85 and switches and circuitry to provide selection of scan programming of the AN/APQ-94.	Magnavox Co 193856-1	N-61-W-1073	RMWC-423	U/W AN/APQ-83 AN/APQ-94
TS-1393()/APQ-83	Computer Test Set	Operationally tests the Computer CP-473/APQ-83.	Magnavox Co 193855-1	N-60-ah-811		U/W CP-473/APQ-83
TS-1393A/APQ-83	Computer Test Set	Operationally tests the computer. Modified to accomodate equations received from the 1A, MK-29 and MK-30 Missiles. One way interchangeable with TS-1393/APQ-83.	Magnavox Co 708690-801	N-62-W-1591		U/W AN/APQ-83,94
TS-1394()/APQ-83 TS-1394/APQ-83	Electrical Synchronizer Test Set	Checks operation of Synchronizer SN-253/APQ-83.	Magnavox Co 193858-1	N-60-ah-812		U/W SN-253/APQ-83
TS-1395()/APQ-83 TS-1395/APQ-83	Alignment Test Set	Checks alignment of synchros, position potentiometers, and scan generator of the antenna instrumentation.	Magnavox Co 194312-1	N-60-ah-1040		U/W AN/APQ-83
TS-1396/SPG-51B	Amplifier Data-Converter	Classified.		N-60-d-878		
TS-1397/ASM-29	Electronic Circuit Test Set	Provides the circuitry, test points, and switching arrangements necessary for selection of circuits for testing.	Weston Electrical Inst GS-61301	N-60-ah-920		U/W AN/ASW-13
TS-1398/ASM-29	Computer Test Set	Generates two types of universal test messages for checking overall function of the computer.	Weston Electrical Inst GS-61315	N-60-ah-921		P/O AN/ASM-29 U/W CP-466/ASW-13
TS-1399()/ASM-20 TS-1399/ASM-20	Nitrogen Gas Pressure Tester	Direct reading, miniature high pressure gage mounted to a quick disconnect connector. Cancelled 20 September 1960.	Tasker Instrument Co	N-60-ah-934		P/O AN/ASM-20 U/W AN/ASM-11
TS-1400/FPS-50(V)	Electronic Circuit Plug-In Unit Test Set	Provides means for rapid test of the printed circuit boards and power supplies.	General Electric 7308192G2	WL-60-2591		P/O AN/FPS-50(V) and BMEWS
TS-1400A/FPS-FPS-50(V)	Electronic Circuit Plug-In Unit Test Set	Provides means for rapid test of the printed circuit boards and power supplies.	General Electric 7308192G4	WL-61-2816		P/O AN/FPS-50(V)
TS-1401()/GRW-5 TS-1401/GRW-5	Radar Test Set	Tests the frequency sensitivity and power output of the radar for the weapon system ground guidance section.	Western Electric Co G313308	AEL-60-R-1296		P/O AN/GRW-5
TS-1401A/GRW-5	Radar Test Set	Tests the frequency, sensitivity and power output of the radar for the weapon system ground guidance section.	Western Electric Co G-313308	WDD-61-3009		P/O AN/GRW-5
TS-1402()/FPT-7 TS-1402/FPT-7	Electron Tube Test Set	Measures gas content of Eimac X662 and Varian VA842 Klystron Tubes.	Continental Electronics 21584-R			P/O AN/FPT-7 and BMEWS

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TS-1403A/FPS-50(V)	Electronic Circuit Plug-In Unit Test Set	Provides the means for rapid test of the printed circuit boards and power supplies.	General Electric 7308192G2	WL-61-2815		P/O AN/FPS-50
TS-1404()/FPT-2 TS-1404/FPT-2	Electron Tube Test Set	Tests for residual gas in RCA A2346 tube.	Delton Inc 1380	WL-60-2362		P/O AN/FPT-2 and BMEWS
TS-1405/FQQ-3(V)	Power Supply Test Set	Provides facilities for the testing of various power supplies, 0 to 75vdc; 0 to 500vdc, 0 to 10a.	Western Electric Co GS-59645	N-60-n-1053		P/O AN/FQQ-3(V)
TS-1406/APM-92	Power Supply Test Set	Provides testing facilities for the input circuit high voltage power supply.	Raytheon 50086A	USN-60-ah-1113		P/O AN/APM-92
TS-1407/AWM-9	Fire Control System Test Set	Classified.		N-60-ah-1114		
TS-1408()/UGM-2	Telegraph Test Set	Provides cathode ray and meter presentation of various types of distortion.		SEL-58-170		P/O AN/UGM-2()
TS-1409()/U TS-1409/U	Inverter Test Set	Functional checks at site of inverter installation, monitors dc input, ac output and frequency.	Bruno Inc 166-4905	N-60-ah-1199		
TS-1410()/FPT-2 TS-1410/FPT-2	Insulation Breakdown Test Set	0 to 80kvdc, 1.6kva. Tests insulation for proper breakdown voltages.	Radio Corp of Amer 8939504	WL-60-2858		P/O AN/FPT-2
TS-1411/FSA-22 (V)	Audio Test Set	Monitors the audio level to a predetermined -10dbm to +10dbm, voltage range: 0 to 30vdc.	Federal TV Corp #FTC-235-4523	N-60-Y-1352	MIL-C-21434 (SHIPS)	P/O AN/FSA-22(V)
TS-1412/FSA-22 (V)	Patch Panel Test Set	Checks the programming and continuity of the patch panels.	Federal TV Corp #FTC-235-2525	N-60-Y-1353	MIL-C-21434 (SHIPS)	P/O AN/FSA-22(V)
TS-1413/FSA-22 (V)	Radio Test Set	Checks all plug-in units of the system under simulated conditions.	Federal TV Corp #FTC-235-4530	N-60-Y-1354	MIL-C-21434 (SHIPS)	P/O AN/FSA-22(V)
TS-1414()/UPM-16 TS-1414/UPM-16	Control Monitor Test Set	Ascertains the readiness status of the control-monitor and checks the operation of the timing device and voltage deviation detector in the power supplies.	Magnavox Co 194632-1	WDD-60-3333		P/O AN/PSM-16
TS-1414A/UPM-116	Radar Test Set	Provides facilities for checking Radar Sets AN/UPM-116A, AN/APQ-94 and AN/APQ-83.	Magnavox Co 194632-1	N-61-w-1072		P/O AN/UPM-116A
TS-1415()/UG TS-1415/UG	Telegraph Terminal Test Set	Unit mounts the Code Converter Indicator ID-817/UGC-1 with interconnecting self-contained cables.	Teletype Corp TMTU-200	N-60-Y-1387		P/O OA-2294/UG-3 OA-2995/UGC-3 U/W ID-817/UGC-1
TS-1416()/ASQ-17B	Radar Test Set	Classified.		AEL-60-818		
TS-1417()/PSM-16 TS-1417/PSM-16	Power Supply Test Set	Ascertains the readiness status of individual power supplies.	Remington Rand Univac 210302	WDD-60-3330		P/O AN/PSM-16
TS-1418()/PSM-16 TS-1418/PSM-16	Control Monitor Test Set	Ascertains the readiness status of the control-monitor and checks the operation of the timing device and voltage deviation detector in the power supply group.	Remington Rand Univac 210303	WDD-60-3331		P/O AN/PSM-16
TS-1419()/MSM-42 TS-1419/MSM-42	Fault Locator Test Set	Routes signals normally destined for the airborne subsystem, back to the flight line maintenance group.	Sperry Gyroscope Co LRU-49	AEL-60-710		P/O AN/MSM-42
TS-1420()/ALM-12 TS-1420/ALM-12	Electronic Circuit Test Set	Classified.		N-60-ah-1586		
TS-1421()/ALM-12 TS-1421/ALM-12	Electron Tube-Power Supply Test Set	Classified.		N-60-ah-1587		
TS-1422()/ALM-12 TS-1422/ALM-12	Microwave Test Set	Classified.		N-60-ah-1588		
TS-1424()/GKA-5(V) TS-1424/GKA-5(V)	Electronic Circuit Plug-In Unit Test Set	Accepts all types of plug-in modules used in the AN/GKA-5(V) digital equipment, also contains the necessary module selector switches, input switches and load switches.	Radio Corp of Amer 365767-501	WL-60-3093		P/O OA-3015/GKA-5 (V)
TS-1425()/UPM-103 TS-1425/UPM-103	Radio Test Set	Enables rapid testing of the performance of the air-to-air indentification (AAI) sets.	Sperry Microwave Elec 2677468	AEL-60-952	WCLN-59-21A	P/O AN/UPM-103
TS-1426()/UDM-4	Radiac Sub Assembly Calibrator	Provides a constant check of the radiation output of radiac calibrator sets.	Victoreen Inst Co 570	SEL-60-402		P/O AN/UDM-4 U/W TS-784()/PD
TS-1427()/TSM-27 TS-1427/TSM-27	Data Link Converter Analyzer	A signal tracing equipment which analyzes the logic of the Digital to Analog Converter CV-743/DRR-2 &().		AEL-60-852		P/O AN/TSM-27
TS-1428()/TSM-27 TS-1428/TSM-27	Data Link Converter Analyzer	Compares standard inputs of the Digital to Digital Converter CV-923/DRR-2&() to the outputs, internal signal handling capabilities of the converter are also analyzed, provides a complete bench check, locating fault to individual cards.	Radio Corp of Amer	AEL-60-853		P/O AN/TSM-27
TS-1429()/TSM TS-1429/TSM	Electronic Circuit Plug-In-Unit Test Set	Performs functional tests on plug-in circuit boards of various time division data link equipment.	Radio Corp of Amer	AEL-60-858		

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TS-1430()/GSQ-39 TS-1430/GSQ-39	Tape Transport Test Set	Generates a programmed sequence of control signals for testing the control mechanism of the CEC-6-582-14 Tape Transport.	Hoffman Labs 123-57-464-00-00-01	AEL-60-859		P/O OA-2217/GSQ-39
TS-1431()/GSQ-39 TS-1431/GSQ-39	Tape Transport Test Set	Generates a programmed sequence of control signals for testing control characteristics of the Ampex 350 (OYL-Modified) tape transport, prf is continuously variable over the operating range.	Hoffman Labs 123-57-470-00-00-01	AEL-60-860		P/O OA-2217/GSQ-39
TS-1432()/GSQ-39 TS-1432/GSQ-39	Transistor Test Set	Tests the foward saturation voltage and reverse leakage current characteristics of the Philco 1562 Transistor and the DR-121 and 122 Diodes used in the four PIE Types.	Hoffman Labs 123-57-465-00-00-01	AEL-60-861		P/O OA-2217/GSQ-39
TS-1433()/GSQ-39 TS-1433/GSQ-39	Tape Transport Test Set	Generates a programmed sequence of control signals for testing the control mechanism of the ED-551 Tape Transport.	Hoffman Labs 123-57-465 00-00-01	AEL-60-862		P/O OA-2217/GSQ-39
TS-1434()/GSQ-39 TS-1434/GSQ-39	Transistor Test Set	Nonstandard plug-in element transistor tester. Tests forward saturation voltage dc beta and reverse leakage current of 1562 Translator used in nonstandard PIE plug-in elements.	Hoffman Labs . 00-00-01	AEL-60-863		P/O OA-2217/GSQ-39
TS-1435()/GSQ-15 TS-1435/GJQ-15	Missile Systems Fault Locator	Used to control, monitor and checkout the missile, the operating components of the propellant loading system, certain associated facilities, and the launch control portion of the set.	G L Martin 80AE2020000-009	WDD-60-2354		U/W AN/GJQ-15
TS-1436()/ASM-20 TS-1436/ASM-20	Guided Missile Launcher Test Set	A portable unit designed to test and check the function and circuitry of the Sidewinder Missile.	Lasker Instrument Co	N-60-ah-1754		P/O AN/ASM-20
TS-1437()/DRM-10 TS-1437/DRM-10	Radio Frequency Cable Test Set	Classified.		AEL-60-975		
TS-1438()/FPS-72 TS-1438/FPS-72	Power Supply Test Set	Provides facilities to test the operation of the power supplies feeding associated equipment.	Bendix Radio R650987-1	WL-60-3163	EXH: RADC-2627	P/O OA-3037/FPS-72
TS-1439()/ARC-68 TS-1439/ARC-68	Alarm Circuit Test Set	Verifies proper operation of the alarm circuits of the airborne cryptographic component.	Hughes Aircraft Co	AEL-60-992		U/W AN/ARC-68
TS-1440()/ADL-2 TS-1440/ADL-2	Diode Semiconductor Device Test Set	Classified.		N-60-Q-1817		
TS-1441()/GJQ-9(V)2 TS-1441/GJQ-9(V)2	Monitor Test Set	Simulates various input and output signals of the "Launch Control and Monitor Chassis".	Douglas Aircraft Co	AEL-62-R-682		U/W AN/GJQ-9(V)2
TS-1442()/GJQ-9(V)2 TS-1442/GJQ-9(V)2	Prelaunch Computer Test Set	Tests prelaunch computers addition, subtraction, multiplication, integration, access to memory units and transfer functions. Designed for GAM 87A Weapons System.	Douglas Aircraft Co 7842284	AEL-62-R-681		U/W AN/GJQ-9(V)2
TS-1443()/GJQ-9(V)2 TS-1443/GJQ-9(V)2	Ballistics Computer Test Set	Tests the ballistic computers addition, subtraction, multiplication, integration and access to memory units. Designed for GAM-87A Weapons System.	Douglas Aircraft Co 7842354	AEL-62-R-680		U/W AN/GJQ-9(V)2
TS-1444()/GJQ-9(V)2 TS-1444/GJQ-9(V)2	Amplifier Test Set	Capable of testing 1st and 2nd stage electronic control amplifier as individual modules prior to installation in the missile. Readout: "go-no-go".	Douglas Aircraft Co	AEL-62-R-679		U/W AN/GJQ-9(V)2
TS-1445()/GJQ-9(V)2 TS-1445/GJQ-9(V)2	Astro-Tracker Control Test Set	Tests astro-tracker control package, consisting of azimuth and elevation drive motor amplifier, search and track scan generator and signal detector for the photo-tube output.	Douglas Aircraft Co 7844286	AEL-62-R-678		U/W AN/GJQ-9(V)2
TS-1446()/GJQ-9(V)2 TS-1446/GJQ-9(V)2	Platform Electronics Test Set	Tests astronertial instruments as an individual module, isolates malfunctions to replaceable unit.	Douglas Aircraft Co 7834258	AEL-62-R-677		U/W AN/GJQ-9(V)2
TS-1447()/GJQ-9(V)2 TS-1447/GJQ-9(V)2	Inverter Test Set	Tests the static inverter as an individual module.	Douglas Aircraft Co 5837798	AEL-62-R-679		U/W AN/GJQ-9(V)2
TS-1448()/GJQ-9(V)2 TS-1448/GJQ-9(V)2	Transformer Test Set	Tests transformer-rectifier system.	Douglas Aircraft Co	AEL-62-R-675		U/W AN/GJQ-9(V)2
TS-1449()/GJQ-9(V)2 TS-1449/GJQ-9(V)2	Astro-Inertial Instrument Test Set	Tests the astro-nertial instrument, supplies necessary electrical power and simulates the platform alignment commands from the pre-launch computer. Designed for GAM-78A.	Douglas Aircraft Co	AEL-60-R-1281		U/W AN/GJQ-9
TS-1450()/ASM-31 TS-1450/ASM-31	Computer Test Set	Provides complete operational check of Computer Group AN/ASA-31.	Kearfatt Co Inc COL 906-000B-A	N-60-1861		P/O AN/ASM-31
TS-1451()/MSM TS-1451/MSM	Electronic Circuit Plug-In Test Set	Locates faults in the module boards in the AN/MSM-47 and similar equipment.	Convair 27-41799-1	WDD-60-3513		
TS-1452()/G TS-1452/G	Hold-down and Release Cylinder Test Set	Measures the pneumatic pressure characteristics of the holding down and release cylinders during cold "Blow Down" tests and records the information on a slip chart.	Convair 27-60284-1	WDD-60-3515		

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-1453/SYA-1(V)	Electronic Circuit Plug-In Unit Test Set	Classified.		N-60-b-1947		
TS-1454/URM-133	Spectrum Analyzer	Measures the amplitude and frequency of a complex electrical wave form in the frequency range of 40cps to 22.5kc.	Panoramic Radio Prod LP-1a	N-60-X-1995		P/O AN/URM-133
TS-1455/URM-133	Frequency Calibrator	Optional accessory plug-in marker oscillator which provides fixed frequencies of 60cps, 500cps and 5kc.	Panoramic Radio Prod Y3	N-60-X-1996		U/W AN/URM-133 TS-1454/URM-133
TS-1456/URM-135	Spectrum Analyzer	2 to 40Mc. CRT type. 50Ω input Z.	Panoramic Radio Prod SB-12aS	N-60-X-2005		P/O AN/URM-135
TS-1457/FPS-50 (V)	Electronic Circuit Plug-In Unit Test Set	Provides facilities for testing printed wiring boards used in Coder Assembly KY-345/FPS-50().	General Electric 229E252G1	WL-60-3893		P/O AN/FPS-50(V)
TS-1458()/ARM-68 TS-1458/ARM-68	Radio Test Set	Tests: electrical, voltage measurements, frequency selection, side tone check, receiver audio output, squelch sensitivity. For components of Radio Set AN/ARC-44 and AN/ARC-45.	Admiral Corp GB3555	SIMSA-62-382		P/O AN/ARM-68 U/W AN/ARC-45
TS-1458()/U TS-1458/U	Radio Test Set	For testing Radio Sets AN/ARC-44 and AN/ARC-45; provides facilities for interconnecting all units of equipment into a system, and makes it possible to perform the necessary electrical tests to assure normal functioning of the system.	Admiral Corp GC-3667	SIMSA-60-192		P/O AN/ARM-68 U/W AN/ARC-44,45
TS-1460/UPM-73	Pulse Power Calibrator	Calibrates power measuring circuits of equipments, frequency range: 925 to 1225Mc, power range: 0.10dbm to +63dbm and 0.5 to 10μsec single pulse trains input averaging 5w.	Gen Communications E51761	N-60-b-2048		P/O AN/UPM-73
TS-1461/GSQ-33	Plotter-Recorder Test Set	Provides the necessary test signals to determine if the plotter is operating properly.	Burroughs Corp DAT 70500	WDD-60-960		U/W AN/GSQ-33
TS-1462()/FSM-10 TS-1462/FSM-10	Electronic Circuit Plug-In Unit Test Set	Contains the necessary signal generators and test circuitry to provide the required input logic for testing certain modules employed in the AN/FST-1 and OA-947/FST-1.	Belmont Radio Corp J-16-340	CRC-60-165		P/O AN/FSM-10
TS-1463()/FSM-10 TS-1463/FSM-10	Electronic Circuit Plug-In Unit Test Set	Provides the necessary signal generators and test circuitry to provide the required input logic for testing certain modules employed in the AN/FST-1 and OA-947/FST-1.	Belmont Radio Corp J-16-248	CRC-60-166		P/O AN/FSM-10
TS-1464()/FSM-10 TS-1464/FSM-10	Relay Test Set	Tests all plug-in relays used in the AN/FST-1 and OA-947/FST-1.	Belmont Radio Corp D-16-106	CRC-60-167		P/O AN/FSM-10
TS-1465()/MSQ	Electronic Circuit Plug-In Unit Test Set	Tests printed cards which include capacitors, resistors, transistors, diodes, etc. Cancelled 11 August 1961.	Hughes Aircraft Co 504030-100	SIMSA-60-207		U/W AN/MSQ-18 OA-1593/MSQ OA-2308/MSQ-28 OA-2309/MSQ-28
TS-1466/AR	Radio Test Set	A rugged, portable test equipment which provides power control, channel switching, metering and alternating current for testing R-746/AR.	Bendix Radio Div ORT67015	SIMSA-60-216		
TS-1467/URM-114	Radio Calibrator	Permits silent tuning of the final amplifier stage, the base loaded and tuned antennas; frequency range: 2 to 32Mc.	Sylvania Electric Co 01-14023	N-60-X-2123	MIL-R-16400 MIL-C-22330	P/O AN/URM-114 U/W AN/WRA-2
TS-1468()/ASB-7 TS-1468/ASB-7	Analog To Digital Converter Test Set	Provides in binary notation, the shaft position of a converter under test.	Norden Labs 58A122D2100	N-60-Q-2100		U/W AN/ASB-7
TS-1472()/GPM-46	Radar Test Set	A "go-no-go" test set, fault isolates down to the component.	Motorola Inc	SEL-60-448		P/O AN/GPM-46()
TS-1473/U	Audio Level Calibrator	A constant impedance attenuator and voltmeter in the 20 to 100kc range.	General Radio Co 546-C	N-60-X-2258		
TS-1474/ARM-51	Radio Test Set	Provides operational testing facilities for the Radio Sets AN/ARC-27 and AN/ARC-55.	Collins Radio 522-8904-004	SIMSA-60-231		P/O AN/ARM-51
TS-1475()/ARM-52 TS-1475/ARM-52	Radio Test Set	Facilitates the testing and alignment of AN/ARM-52.	Stromberg-Carlson Co 667201-059	SIMSA-60-241		P/O AN/ARM-52
TS-1477/USM-134	Servo Amplifier Analyzer	A unit containing electronic test circuits to check out a servo amplifier drawer, as part of Servo Amplifier Test Set AN/USM-134.	Nortronics	N-60-ah-2323	MIL-945A MIL-T-20060 MIL-P-116	P/O AN/USM-134
TS-1478/UPM	Radar Test Set	Provides continuous meter indication level of average power out, voltage standing wave ratio, receiver noise figure, and receiver relative tuning error.	Lemco Aircraft Co 900-00246-1	N-60-T-2330		
TS-1479/USM-118A	Electron Tube Test Set	Provides rapid, highly accurate means of evaluating operational capabilities of electron tubes, it is automatically programmed by punch card.	Hickok Electrical Inst 901-243	N-61-X-1		
TS-1480()/GCC TS-1480/GCC	Telephone Test Set	Provides facilities for testing the multiplexer set while in operation.	Lenkert Electric Co 790-03056-01	WL-61-R-3601	RADC-2589	P/O AN/FCC-17
TS-1481()/ALM-16 TS-1481/ALM-16	Power Distribution Monitor	Distributes monitored and fused power to transmitters under test, monitors voltage and current of 28vdc 20a of 3 phase power, separately.	Hallicrafters Co 001-004228	AEL-60-1320	MIL-T-21200A Class 3	P/O AN/ALM-16
TS-1482()/ALM-17 TS-1482/ALM-17	Oscillator Test Set	Used to monitor operating parameters in carcinotron circuits of AN/ALT-13.	Hallicrafters Co 001-004229	AEL-60-1321	Mil-T-21200A	P/O AN/ALM-17

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TS-1483()/ALM-18 TS-1483/ALM-18	Power Supply Test Set	Used to monitor operating parameters of power supplies in AN/ALT-15.	Hallicrafters Co 001-004230	AEL-60-1322	MIL-T-21200A	P/O AN/ALM-18
TS-1484()/ALM-20 TS-1484/ALM-20	Control Test Set	For monitoring the inputs and measuring the outputs of the regulator module.	Hallicrafters Co 001-004232	AEL-60-1323		P/O AN/ALM-20
TS-1485()/U	Radio Test Set	Provides interconnecting facilities required to perform electrical tests on the AN/ARC-44&45.	Admiral Corp G-9914	SIMSA-60-192		
TS-1485()/ALM-21 TS-1485/ALM-21	Diode Semi-conductor Device Test Set	Measures forward and reverse currents. 0 to 8a, 0 to 2000 peak volts.	Hallicrafters Co 001-004236	AEL-60-1324	MIL-T-21200A	P/O AN/ALM-21
TS-1486()/ALM-22 TS-1486/ALM-22	Transmitter Fault Locator	Makes "go-no-go" measurements of plate and screen supply voltage and grid bias of RF modules in transmitters. Indicates presence of RF output from each module.	Hallicrafters Co 001-004237	AEL-60-1325	MIL-T-21200A	U/W T-781/ALT-15 T-782/ALT-15 T-787/ALT-16 T-787/ALT-17
TS-1487()/ALM-23 TS-1487/ALM-23	Electron Tube Test Set	Tests specific characteristics of special tubes used in AN/ALT-13,15,16, 17.	Hallicrafters Co 001-004238	AEL-60-1326	MIL-T-21200A	P/O AN/ALM-22 P/O AN/ALM-23
TS-1488()/ALM-24 TS-1488/ALM-24	Transmitter Test Set	Checks the control and protective circuits of the T-783/ALT-13(V).	Hallicrafters Co 001-004239	AEL-60-1327	MIL-T-21200A	P/O AN/ALM-24
TS-1489()/GJQ-9(V)2 TS-1489/GJQ-9(V)2	Astro-Telescope Calibrator	Same description as TS-1489/GJQ-9 except for adapters.	Douglas Aircraft Co 7836835	AEL-62-R-673		U/W AN/GJQ-9(V)2
TS-1490()/ASW-17 TS-1490/ASW-17	Panel Firing Guided Missile Test Set	Consists of relays, indicator lights, switches and displays to indicate correct functioning of the panels. Designed for GAM-87A Weapon System.	Douglas Aircraft Co	AEL-60-1223		U/W AN/ASW-17
TS-1491()/ASW-17 TS-1491/ASW-17	Concerter Assembly Test Set	Simulates bomb/nav output signals and provides electrical power for converting operations.	Douglas Aircraft Co 7836557	AEL-70-1224		U/W AN/ASW-17
TS-1492()/ASW-17 TS-1492/ASW-17	Weapon Sub-system Fault Locator	Unit analyzes the output signals normally supplied to the missile. Each portion of this information is visually indicated for faults. Cancelled 15 April 1961.	Douglas Aircraft Co	AEL-60-1225		U/W AN/ASW-17
TS-1493()/ASW-17 TS-1493/ASW-17	Magnetic Drum Test Set	Capable of holding the magnetic memory drum and aligning the read and write heads.	Douglas Aircraft Co 7836839	AEL-60-1227		U/W AN/ASW-17
TS-1494()/GRM TS-1494/GRM	Encoder-Decoder Test Set	Determines the correct operation of the KY-328/ARA-52 and KY-329/GRA-55.	General Electric 7624491G1	WL-60-1254	AWCS-EPS-4	P/O MX-3428/GPA-73(V)
TS-1495()/GPA-73(V) TS-1495/GPA-73(V)	Programmer Test Set	Provides necessary facilities for locating troubled areas in the OA-3209/GPA-73(V)&().	General Electric 7624491G1	WL-60-4370		
TS-1496()/GSM-49 TS-1496/GSM-49	Frequency Calibrator Set	Performs accuracy tests on the missile, frequency range: 10 to 30kMc and a resolution time of 0.1μsec.	Boeing Aircraft Co 55-8509	AEL-60-1386		P/O AN/GSM-49
TS-1497()/GSM-49 TS-1497/GSM-49	Frequency Calibrator Set	Supplies a calibrated signal for the calibration of UHF, L and LS band components and systems.	Boeing Aircraft Co 55-11675	AEL-60-1389		P/O AN/GSM-49
TS-1498()/GSM-49 TS-1498/GSM-49	Frequency Calibrator Set	Supplies a calibrated signal for the K band components and systems of the mobile inspection unit.	Boeing Aircraft Co 55-11676	AEL-60-1390		P/O AN/GSM-49
TS-1499()/GSM-49 TS-1499/GSM-49	Radio Frequency Power Test Set	Used with square low detector with 104db range. Measures power 0 to 52db. ±0.02db up to 30db.	Boeing Airplane Co 55-11548	AEL-60-1391		P/O AN/GSM-49
TS-1500()/GSM-49 TS-1500/GSM-49	Radio Frequency Power Test Set	0 to 40db ±0.05db per 10db. Used with RF crystals or barretter square law detector. Contains VTVM and recorder output jack.	Boeing Airplane Co 55-11549	AEL-60-1392		P/O AN/GSM-49
TS-1501()/GSM-49 TS-1501/GSM-49	Frequency Calibrator Set	Provides facilities for the calibration of attenuators, cavity type filters, traveling wave tube amplifiers, etc. Contains X band source and a peak power bridge.	Boeing Airplane Co 55-11677	AEL-60-1397		P/O AN/GSM-49
TS-1502()/GSM-49 TS-1502/GSM-49	Frequency Calibrator Set	4.5 to 5.9kMc CW or square wave modulated. This signal used to calibrate beacon. Self-checking.	Boeing Airplane Co 55-11678	AEL-60-1398		P/O AN/GSM-49
TS-1503()/AJM-2 TS-1503/AJM-2	Intervalometer Test Set	Designed to field test and adjust Intervalometer TD-278/A.	Trio Labs Inc 113-931	N-61-W-146	MIL-T-21200A	U/W TD-278/A
TS-1504/ASM-34	Dead Reckoning Tracer Test Set	Tests dead reckoning computers and plotters, lat and long servos, lat and long computers, panel illumination, heading servo.	Servo Corp of Amer B7302-601	N-61-W-175		P/O AN/ASM-34
TS-1505/FSA-17	Audio Test Set	Simulates a standard signal from a carbon microphone; adjusts audio levels at operator's consoles, plugs into Jack Box J-954/FSA-17 and thereby makes all necessary connections.	Virginia Electronics C-220AD13	N-61-Y-170	SHIPS-C-2672	U/W AN/FSA-17
TS-1506/ARM-53	Radio Test Set	Provides capabilities for flight line testing of ASW detector systems and associated radio receivers, provides capabilities for increasing output frequencies to 31 channels.	Stromberg-Carlson Co 66193-100	N-61-W-187		P/O AN/ARM-53 U/W AN/ARR-52
TS-1507/ARM-54	Radio Test Set	For alignment of radio receivers. This unit when used in conjunction with Radio Test Set AN/ARM-53 will provide capabilities for testing sonobuoy detection systems.	Stromberg-Carlson Co 666193-500	N-61-W-189		P/O AN/ARM-54

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TS-1508/DSM	Spectrum Analyzer	Classified.		N-61-W-183		
TS-1509()/GPM-47 TS-1509/GPM-47	Electronic Circuit Plug-In Unit Test Set	Provides facilities necessary to analyze logic circuits of digital equipment and determine exact location of error.	General Electric 7314075G1	WL-60-4354	AWCS-EPS-13	P/O AN/GPM-47
TS-1510()/GJQ-9(V)2 TS-1510/GJQ-9(V)2	Guided Missile Test Set	Checks out the entire missile less the re-entry vehicle. The tester will provide the capability of fault isolation to the module level during missile test. Designed for GAM-87A Weapon System.	Douglas Aircraft Co 5858324	AEL-61-34		U/W AN/GJQ-9(V)2
TS-1511()/GJQ-17 TS-1511/GJQ-17	Missile Guidance System Fault Locator	The function is to visually localize a system malfuntion to a replaceable portion of the GACC or ABN.	A C Spark Plug 7859125	WDD-61-655		P/O AN/GJQ-17
TS-1512()/GGM TS-1512/GGM	Teletype-writer Test Set	A solid state device, employing digital techniques to provide a distortion analysis of all signal transitions of both synchronous and asynchronous (start-stop) signals.	Stelma Inc DD-5	SEA-60-323		P/O AN/GGM-1,2,3, 4,5
TS-1513()/G TS-1513/G	Flight Control Test Set	Tests the voltages, amplifier balance, servo loop-gain, closed loop deflection, roll amplifier gating, and malfunction isolation tests.	Douglas Aircraft Co 5857107	AEL-61-90		U/W GAM-87A
TS-1514()/ALD-4 TS-1514/ALD-4	Liquid Cooling System Leakage Test Set	A test set designed to check for leakage in a liquid cooling system of the Antenna-Receiver Assembly AS-983/ALD-4.	Melpar Inc R525636-1	AEL-61-106		U/W AN/ALD-4
TS-1515()/ALD-4 TS-1515/ALD-4	Air Cooling System Components Test Stand	Checks the air cooling system of the Electronic Reconnaissance Set AN/ALD-4.	Melpar Inc R624078-1	AEL-61-107		U/W AN/ALD-4
TS-1516/M	Missile Guidance Components Test Set	Used to locate components on circuits in subassemblies of the AN/DJW-9 in LACROSSE I Missile.		ORDXR-13-61		P/O XM412
TS-1517()/ASM-39 TS-1517/ASM-39	Computer Control Test Set	Simulates the Gyro CN-502 in the Bomb Directing Sets AN/ASB-1A and AN/ASB-7.		N-61-W-370		P/O AN/ASM-39
TS-1518()/APM 147 TS-1518/APM 147	Radar Test Set	Provides the capability of testing Radar Navigation Set AN/APN-130(V) in its system configuration; tests amplifier input, amplifier output, automatic gain control output, etc.	Ryan Aeronautical Co 500003-G1	N-61-W-386		P/O AN/APM-147
TS-1519()/APM-150 TS-1519/APM-150	Signal Data Converter Test Set	Used for detail testing and alignment of the signal data converter modules of the Radar Navigation Set AN/APN-130(V).	Ryan Aeronautical Co	N-61-W-395		P/O AN/APM-150
TS-1520()/APM-151 TS-1520/APM-151	Crystal Test Set	Used to measure the characteristics of all microwave mixer crystals in Ku band, contains the necessary components for measurement of crystal conversion loss and crystal noise temperature.	Ryan Aeronautical Co 114Z9001-2	N-61-W-398		P/O AN/APM-151
TS-1521()/FSM-16 TS-1521/FSM-16	Electronic Circuit Plug-In Unit Test Set	Provisions for applying input signals, of minimum performance standards, as circuit inputs will be provided. In addition, electrical loads representing the maximum circuit loading will be provided.	Radiation Labs	AEL-61-132		P/O AN/FSM-16
TS-1522()/FSM-16 TS-1522/FSM-16	Comparator-Magnetic Drum Test Set	Designed to test the Data Storage Magnetic Drum MU-424/ALM-6 and Comparator-Indicator CM-168/ALM-6.	Radiation Inc	AEL-61-133		P/O AN/FSM-16
TS-1523()/FSM-16 TS-1523/FSM-16	RF Detector Circuit Test Set	Signal generator signals are amplified by the test fixture and applied to the module under test. The outputs of the module are brought out to an oscilloscope for observing the waveshape.	Radiation Inc	AEL-61-134		P/O AN/FSM-16
TS-1524()/FSM-6 TS-1524/FSM-6	Module Bench Test Fixture	The outputs of the module under test will be tested for wave-form detector response and signal characteristics.	Radiation Inc	AEL-61-135		P/O AN/FSM-16
TS-1525()/FSM-16 TS-1525/FSM-16	Radio Frequency Oscillator Circuit Test Set	Range: AM RF signals 1 to 5μv. Contains voltmeter to check oven temperature voltage, detected output voltage and RF carrier voltage.	Radiation Inc	AEL-61-136		P/O AN/FSM-16
TS-1526()/FSM-16 TS-1526/FSM-16	Amplifier Circuit Test Set	Inserts audio and video signals into the module under test. The output signals of the module are brought out to panel test points for access by an oscilloscope.	Radiation Inc	AEL-61-137		P/O AN/FSM-16
TS-1527()/FSM-16 TS-1527/FSM-16	Power Supply Circuit Test Set	Has panel mounted rotary switches used to select various test loads for the power supply module. A panel mounted voltmeter and ammeter displays the voltage under test.	Radiation Inc	AEL-61-138		P/O AN/FSM-16
TS-1528()/FSM-16 TS-1528/FSM-16	Power Supply Test Set	Has a panel mounted rotary switch for selecting the leads of the power supply under test. A panel mounted voltmeter and ammeter indicates test results as the load is changed.	Radiation Inc	AEL-61-139		P/O AN/FSM-16
TS-1529()/FSM-16 TS-1529/FSM-16	Amplifier-Oscillator Test Set	Tests power supply voltages, oven temperature voltages, detected power output, RF power output and dc output of audio analyzer of amplifiers and oscillators.	Radiation Inc	AEL-61-140		P/O AN/FSM-16

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TS-1530()/FSM-16 TS-1530/FSM-16	Comparator-Monitor Test Set	Bench type; tests monitors and comparators simultaneously. Supplies address-command data to allow execution of self test routine. Provides interrogation pulses for dc logic gates.	Radiation Inc	AEL-61-141		P/O AN/FSM-16 U/W CM-154/ALM-6 TS-1329/ALM- TS-1330/ALM-
TS-1531()/FSM-16 TS-1531/FSM-16	Digital Data Analyzer Test Set	Tests electronic counter; pulse signals 0 to 1Mc.	Radiation Inc	AEL-61-152		P/O AN/FSM-16 U/W CP-508, CP-5 ALM-6
TS-1532()/FSM-16 TS-1532/FSM-16	Comparator-Converter Test Set	Bench type; tests converter and comparator; analog input, digital output: 0 to 1Mc.	Radiation Inc	AEL-61-143		P/O AN/FSM-16 U/W CV-882/ALM-6 CM-155/ALM-6
TS-1533()/FSM-16 TS-1533/FSM-16	Checkout Programmer Test Set	Provides access to up to 312 signal leads so a test sequence may be controlled or monitored. Provides address and command signals so that a self-test routine is performed.	Radiation Inc	AEL-61-144		P/O AN/FSM-16
TS-1534()/FSM-16 TS-1534/FSM-16	Recorder Group Test Set	Designed to check from unit level down to the card level to locate faulty operation in the TLADDC. Test set designed to test units of the Recorder Group OA-2211/ALD-3.	Olympic Radio & TV 114-57-323	AEL-61-145		P/O AN/FSM-16
TS-1535()/FSM-16 TS-1535/FSM-16	Playback-Search Transport Test Set	Designed for testing speed regulation, and speed control.	Olympic Radio & TV 124-57-326	AEL-61-146		P/O AN/FSM-16
TS-1536()/FSM-16 TS-1536/FSM-16	Amplifier-Tape Transport Test Set	Designed to test by means of toggle switches the tape transport for speed, regulation and speed control.	Olympic Radio & TV 114-57-325	AEL-61-147		P/O AN/FSM-16
TS-1537()/FSM-16 TS-1537/FSM-16	Amplifier-Tape Transport Test Set	Designed for testing parts of the AN/FSM-16.	Hoffman Labs 114-57-324	AEL-61-148		P/O AN/FSM-16
TS-1538/USQ-20(V)	Converter Tester	Performs "Marginal Checking" on the equipment operation.	Remington Rand Univac 259665-00	N-61-X-479		U/W AN/USQ-20(V)
TS-1539/USQ-20	Introducer Tester	Provides a means of testing the introducer without interference with the operation of other equipment of the Naval Tactical Data System.	Remington Rand Univac 259660-00	N-61-X-480		U/W AN/USQ-20(V)
TS-1540()/ASM-40 TS-1540/ASM-40	Position Indicator Test Set	Provides electronic and electromechanical tester facilities which enable test set to perform test function; power monitor permits continuous indication of voltage, current, and frequency.	Loral Electronics 130134-000	N-61-W-582		P/O AN/ASM-40
TS-1541()/ASM-41 TS-1541/ASM-41	Signal Data Converter Test Set	Provides electronic and electromechanical test facilities. A power monitor permits continuous indication of voltage, current, and frequency of operating power from external sources.	Loral Electronics 130135-000	N-61-W-585	MIL-T-21200A	P/O AN/ASM-41
TS-1542()/ASM-42 TS-1542/ASM-42	Elliptical Computer Test Set	Provides electronic and electromechanical test facilities. A power monitor permits continuous indication of voltage, current, and frequency of operating power from external sources.	Loral Electronics 130136-000	N-61-W-588	MIL-T-212000A	P/O AN/ASM-42
TS-1543/FQA-4(V)	Spectrum Analyzer	Classified.				
TS-1544/ASM	Electronic Circuit Plug-In Unit Test Set	Cancelled 18 June 1961.		N-61-n-572 N-61-W-725		
TS-1545()/FSM-16 TS-1545/FSM-16	Relay Test Set	A relay test set designed to test and adjust time delay relays used in MX-2929/GSQ-39.	Olympic Radio & TV 124-57-226-69	AEL-61-166		P/O AN/FSM-16
TS-1546()/FSM-16 TS-1546/FSM-16	Electronic Circuit Plug-Test Set	Test set designed for testing electronic circuit plug-in units in the AN/ALM-16 equipment.	Hoffman Labs	AEL-61-168		P/O AN/FSM-16
TS-1547()/FSM-16 TS-1547/FSM-16	Detector Test Set	Designed for testing AM detectors, contains push button switches, etc for this operation.	Hoffman Labs	AEL-61-169		P/O AN/FSM-16
TS-1548()/FSM-16 TS-1548/FSM-16	Discriminator Test Set	Designed to be used with FM simulator to demodulate FM signals from simulator.	Hoffman Labs	AEL-61-171		P/O AN/FSM-16
TS-1549()/FSM-16 TS-1549/FSM-16	Counter Test Set	Designed to test counters, has digital nixie lights to read out 4 decade 16 bit binary coded decimal.	Hoffman Labs	AEL-61-172		P/O AN/FSM-16
TS-1550()/FSM-16 TS-1550/FSM-16	Relay Test Set	Designed to provide a simple method for testing relays of the airborne subsystem after removal from chassis assemblies, tests for open and short circuits and intermittent contacts.	Hoffman Labs 138-51-200-30	AEL-61-182		P/O AN/FSM-16
TS-1551()/FSM-16 TS-1551/FSM-16	Power Supply Test Set	Designed for testing the power supply modules of OA-2213/ALD-3 or OA-2210/ALD-3. The tests will be for proper voltages and current outputs.	Hoffman Labs 138-51-200-31	AEL-61-183		P/O AN/FSM-16
TS-1552()/FSM-16 TS-1552/FSM-16	Indicator Test Set	Designed for testing the Panoramic Indicator IP-535/ALD-3 and Video Indicator IP-536/ALD-3 and locating malfunctions.	Hoffman Labs 138-51-503	AEL-61-184		P/O AN/FSM-16
TS-1553()/FSM-12 TS-1553/FSM-12	Control Test Set	Designed to test and locate malfunctions in the Intercommunication Control Set C-3130/ALD-3.	Hoffman Labs 138-51-502	AEL-61-185		P/O AN/FSM-16
TS-1554()/FSM-16 TS-1554/FSM-16	Control Test Set	Designed to test and locate malfunctions in the Control-Indicator C-3129/ALD-3.	Hoffman Labs 138-51-505	AEL-61-186		P/O AN/FSM-16
TS-1555()/FSM-16 TS-1555/FSM-16	Indicator Test Set	Designed to test and locate malfunctions in the Indicator Assembly ID-816/ALD-3.	Hoffman Labs 138-51-506	AEL-61-187		P/O AN/FSM-16

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-1556()/FSM-16 TS-1556/FSM-16	Converter Test Set	Designed to test and locate malfunctions in the Signal Data Converter CV-899/ALD-3, Signal Data Converter CV-900/ALD-3, and Comment Selector C-3127/ALD-3.	Hoffman Labs 138-51-507	AEL-61-188		P/O AN/FSM-16
TS-1557()/FSM-16 TS-1557/FSM-16	Control Test Set	Designed to test and locate malfunctions in the Receiver Control C-3126/ALD-3.	Hoffman Labs 138-51-509	AEL-61-189		P/O AN/FSM-16
TS-1558()/FSM-16 TS-1558/FSM-16	Control Test Set	Designed to test and locate malfunctions in the Indicator Control C-3125/ALD-3.	Hoffman Labs 138-51-510	AEL-61-190		P/O AN/FSM-16
TS-1559()/FSM-16 TS-1559/FSM-16	Detector Test Set	Designed to test and locate malfunctions in the Radio Frequency Detector RF-113/ALD-3 and Audio-Video Monitor IP-534/ALD-3.	Hoffman Labs 138-51-203	AEL-61-191		P/O AN/FSM-16
TS-1560()/FSM-16 TS-1560/FSM-16	Inter-Connecting Box Test Set	Designed to test and locate malfunctions in the channel connection assembly of the Interconnecting Box J-1126/ALD-3.	Hoffman Labs 138-51-516-01-01	AEL-61-192		P/O AN/FSM-16
TS-1561()/FSM-16 TS-1561/FSM-16	Inter-Connecting Box Test Set	Designed to test and locate malfunctions in the sub-channel connection assembly on the Interconnecting Box J-1126/ALD-3.	Hoffman Labs 138-51-516-02-01	AEL-61-193		P/O AN/FSM-16
TS-1562()/FSM-16 TS-1562/FSM-16	Inter-Connecting Box Test Set	Designed to test and locate malfunctions in the receiver function assembly of the Interconnecting Box J-1126/ALD-3.	Hoffman Labs 138-51-516-03-01	AEL-61-194		P/O AN/FSM-16
TS-1563()/FSM-16 TS-1563/FSM-16	Inter-Connecting Box Test Set	Designed to test and locate malfunctions in the audio video connection assembly of the Interconnecting Box J-1126/ALD-3.	Hoffman Labs 138-51-516-04-01	AEL-61-195		P/O AN/FSM-16
TS-1564()/FSM-16 TS-1564/FSM-16	Amplifier-Generator Test Set	Designed to test and locate malfunctions in the Amplifier-Generator Assembly AM-2396/ALD-3.	Hoffman Labs 138-51-514	AEL-61-196		P/O AN/FSM-16
TS-1565()/FSM-16 TS-1565/FSM-16	Receiver Test Set	Designed to test and locate malfunctions in the Radio Receiver R-965/ALD-3.	Hoffman Labs 138-51-201	AEL-61-197		P/O AN/FSM-16
TS-1566()/FSM-16 TS-1566/FSM-16	Receiver Test Set	Designed to test and locate malfunctions in the subchannel step-tuned converter assembly of Radio Receiver R-964/ALD-3.	Hoffman Labs 138-51-202-02	AEL-61-198		P/O AN/FSM-16
TS-1567()/FSM-16 TS-1567/FSM-16	Receiver Test Set	Designed to test and locate malfunctions in the Radio Receiver R-964/ALD-3.	Hoffman Labs 138-51-202	AEL-61-199		P/O AN/FSM-16
TS-1568()/FSM-16 TS-1568/FSM-16	Receiver Test Set	Designed to test and locate malfunctions in the variable tuned converter (oscillator) of the Radio Receiver R-964/ALD-3.	Hoffman Labs 138-51-202-04	AEL-61-200		P/O AN/FSM-16
TS-1569()/FSM-16 TS-1569/FSM-16	Receiver Test Set	Designed to test and locate malfunctions in the frequency counter of Radio Receiver R-964/ALD-3.	Hoffman Labs 138-51-202-12	AEL-61-201		P/O AN/FSM-16
TS-1570/UPM-119	Radar Test Set	Contains FM signal generator (1 to 60Mc deviation, -50 to 150dbm); spectrum analyzer (33.6 to 34.8kMc); synchroscope (60v/inch); and pulse generator (100 to 4000pps).	Sperry Microwave Elec 2650532	N-62-b-2110	MIL-T-19594 (AER)	
TS-1571()/APM-156	Radar Test Set	Provides portable test facilities for performance of rapid and convenient flight line checks on the air traffic control and IFF transponder installation.	Collins Radio 476X-2	SIMSA-61-164		P/O AN/APN-156
TS-1572/SYA-1(V)	Azimuth-Range-Digital Display Indicator Test Set	Provides appropriate signals and loads for printed circuit cards or sub-chassis under test, to isolate malfunction.	Hazeltine Electronics 110257	N-61-b-1324	SHIPS-S-3588	P/O AN/SYA-1(V)
TS-1573/AIM-3	Inter-communication Test Set	Facilitates the repair and/or overhaul of the AN/AIC-14 modules, tests modules either individually or as part of a system without the use of additional modules from the aircraft installation.	Telephonics Corp 154E009	N-61-W-784		
TS-1573A()/AIM-3 TS-1573A/AIM-3	Inter-communication Test Set	Used to test AN/AIC-14 Modules, individually or installed without the use of additional modules from the aircraft system.	Telephonics Corp 154D209	NW-62-172		P/O AN/AIM-3A
TS-1574()/MWN-1 TS-1574/MWN-1	Missile Ancillary Test Set	Tests the missile ancillary of the MG-10 Fire Control Systems.	Radio Corp of Amer 8317635-501	AEL-61-219		P/O AN/MWN-1
TS-1575()/ALH-4 TS-1575/ALH-4	Recording Set Test Set	Provides the necessary signals and power levels to conduct a complete flight line check-out of the Signal Data Recording Set AN/ALH-4.	Ampex Electric F-66492	AEL-61-340	MIL-T-21200	U/W AN/ALH-4
TS-1576()/APN-147 (V) TS-1575/APN-147 (V)	Electrical Test Panel	Consists of a meter and multiposition switch, permits reading of certain important currents and voltages.		AEL-61-370	WWDTE-61-1	P/O AN/APN-147(V)
TS-1577/FG	Telegraph Test Set	Supplies 45 similar test messages to a neutral telegraph circuit, 20 or 60ma.	Stelma Inc EDU-100 (NKA)	N-61-U-1100		P/O AN/FGM-5
TS-1578/FG	Telegraph Test Set	Supplies one (1) test message to a neutral telegraph circuit, 20 or 60ma.	Stelma Inc EDU-100A	N-61-Y-1101		
TS-1579()/FJW-1(V)	Radiation Detection and Alarm System Test Set	Provides the means for bench testing of gamma detectors, thermal detectors, gamma emitters and thermal emitters prior to installation and during trouble shooting.		SEL-61-190	SCL-5668	P/O AN/GJW-1(V)
TS-1580()/FSM-16 TS-1580/FSM-16	Control-Selector Test Fixture	Provides a method for isolating the direction finding control selector from the system to test for and locate malfunctions.	Hoffman Electronics HLD 130-10-000-0001	AEL-61-403		P/O AN/FSM-16
TS-1581()/GRM-34 TS-1581/GRM-34	Radio Frequency Radiation Absorber	Prevents the secondary antenna from radiating into space while the primary antenna is being used in checkout. 8.0 to 9.5kMc.	General Electric 7221137G1	WDD-61-186		U/W AN/GRM-34

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TS-1582()/ASM-44 TS-1582/ASM-44	Gyroscope Test Set	Alignment and performance testing of CN-502/ASB-7 and CN-100/ASB-1 Gryoscopes.	United Aircraft Prod 58A122H2010	N-61-W-1112	166-S-0046	
TS-1583()/ALM-29 TS-1583/ALM-29	Microwave Test Set	Classified.		USN-61-W-1850		
TS-1584()/ALM-29 TS-1584/ALM-29	Electron Tube Power Supply Test Set	Classified.		USN-61-W-1851		
TS-1585()/ALM-29 TS-1585/ALM-29	Electronic Circuit Plug-In Unit Test Set	Classified.		N-61-W-1121		
TS-1587()/GPN TS-1587/GPN	Radar Test Set	Interconnects system components during alignment and bench testing procedure.	Gilfillan Bros 92518	RONE-61-115		P/O AN/CPN-4() AN/FPN-16() AN/MPN-11()
TS-1588/AIC	Radio Test Set	Tests microphone amplifier output, headset amplifier output and receiver output of Intercommunication Set Control C-1611/AIC installed in YAO-1 AO-1AF Aircraft.	Grumman Aircraft 134SEAV1002-1	SIMSA-61-232		
TS-1589()/URM-95 TS-1589/URM-95	Radio Test Set	Designed to test radio receiver-transmitters for battery voltages, current drain, plate and screen voltages and power output.	Philharmonic	AEL-61-249		P/O AN/URM-95
TS-1590/AJB-3	Computer Set Analyzer	Provides a functional test of the Loft Bomb Release Computer Sets AN/AJB-3 and AN/AJB-3A.	Lear Inc LT-4421A	N-61-W-1403		P/O AN/AJB-3,3A
TS-1591/GSM-61	Test Adapter Group Fault Locator	Provides loads and stimuli signals to the Boeing designed components of the test adapter group for self check. Cancelled 1 March 1962.	Boeing Aircraft Co	WDD-61-3936		P/O AN/GSM-61
TS-1592()/ASM-50 TS-1592/ASM-50	Automatic Pilot Flight Controller Test Set	Contains the necessary meters, dials, and switches for testing the individual components of the Automatic Flight Control System AN/ASA-32.	McDonnell Aircraft	N-61-W-1370	MIL-H-15362	P/O AN/ASM-50
TS-1593()/ASM-50 TS-1593/ASM-50	Automatic Pilot Test Set	Provides test points for monitoring the Autopilot Control Amplifier AN/ASA-32.	McDonnell Aircraft	N-61-W-1371		P/O AN/ASM-50
TS-1594()/FMQ-5	Electronic Circuit Plug-In Unit Test Set	Designed to test circuit cards employed in the meteorological station.	Olympic Radio & TV AS20005	CRC-61-47	AFCRC-59-5	U/W AN/FMQ-5
TS-1595()/PSM-22 TS-1595/PSM-22	Computer Test Set	Used to test central air data computer system while system is installed in aircraft, simulates the angle of attack and total temperature inputs to computer for specific problems. Cancelled 17 September 1962.	McDonnell Aircraft MDE-321129-1	N-61-W-1400		P/O AN/PSM-22
TS-1597()/GSM-52 TS-1597/GSM-52	Recorder Fault Locator	The function is to control tests and display in panel format various readings of AN/GSM-52.	Boeing Aircraft Co 10-20976-111	WDD-61-3904		P/O AN/GSM-52
TS-1598()/GSM-53 TS-1598/GSM-53	Battery-Charger Fault Locator	Function is to display and control fault detection of Battery-Charger PP-3110/GSQ-55, malfunctions or operating specifications to be within allowable tolerances.	Boeing Aircraft Co	WDD-61-3911		P/O AN/GSM-53
TS-1599/GSM-54	Switch Assembly Fault Locator	Provides control and display for calibration of Thermal Switch Assemblies SA-822/GSQ-55 and SA-823/GSQ-55.	Boeing Aircraft Co	WDD-61-3917		P/O AN/GSM-54
TS-1600()/GSM-55 TS-1600/GSM-55	Switch Assembly Fault Locator	Provides control and display of calibration of the Accelerometer Switch Assembly SA-821/GSQ-55.	Boeing Aircraft Co 10-20976-211	WWD-61-8918		P/O AN/GSM-55
TS-1601()/GSM-56 TS-1601/GSM-56	Electrical Cable Fault Locator	Determines service and integrity, displaying such on the panel; indicates condition of Missile Storage-Transit Status Alarm Set AN/GSQ-55.	Boeing Aircraft Co	WWD-61-3919		P/O AN/GSM-56
TS-1602()/GSM-17 TS-1602/GSM-17	Programmer Group Test Set	Portable test set, utilizes electromechanical and solid state circuitry to verify the operational readiness of the programmer group.	Boeing Aircraft Co 25-26725-1	WDD-61-3848		P/O AN/GSM-57
TS-1602A/GSM-57	Programmer Group Test Set	Portable. Verifies operational readiness of the programmer group. Isolates faults to drawer level.	Boeing Aircraft Co 25-26825-2	WDD-62-3807		U/W OA-3388/GSW-4
TS-1603()/GSM-57 TS-1603/GSM-57	Programmer Group Fault Locator	Isolates faults in and verifies the operational readiness of the programmer group.	Boeing Aircraft Co	WDD-61-3849		P/O AN/GSM-57
TS-1603A/GSM-57	Programmer Group Fault Locator	Holds all switches and indicators of the test set. Verifies operational readiness and isolates faults in the programmer group.	Boeing Aircraft Co 25-29127-4	WDD-62-3808		P/O TS-1602A/GSM-57 U/W OA-3388/GSW-4
TS-1604()/GSM TS-1604/GSM	Dummy Decoder Relay Assembly	Replaces the programmer group decoder during maintenance and testing of the programmer group.	Boeing Aircraft Co 25-26839-1	WDD-61-3851		P/O AN/GSM-57,61
TS-1605()/GSM-58 TS-1605/GSM-58	Communication-Launch Control Console Fault Locator	Holds all switches and indicators of the test set which verifies operational readiness and isolates faults in the communication and launch control console.	Boeing Aircraft Co 25-26823-1	WDD-61-3857		P/O AN/GSM-58

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TS-1606()/GSM-59 TS-1606/GSM-59	Alarm Set Fault Locator	Primary function is to isolate faults in, and verify the operational readiness of the RF portion of the alarm set.	Boeing Aircraft Co 25-26828-1	WDD-61-3855		P/O AN/GSM-59
TS-1607()/GSM-60 TS-1607/GSM-60	Electrical Alarm Set Fault Locator	Contains all the switches and indicators for fault isolation in the alarm set. Cancelled 13 February 1962.	Boeing Aircraft Co 25-26830-1	WDD-61-3853		P/O AN/GSM-60
TS-1608/GSM-63	Guidance-Control Fault Indicator	Cancelled 22 September 1961.		WDD-61-3984		
TS-1609()/G	Portable Precision Potentiometer	Calibrated in millivolts for direct measurements; very accurate and precise readings with close error limits.	Rubicon Co 2732	SIMSA-61-248		U/W AN/GVH-1
TS-1610()/G	High Precision Potentiometer	Makes high precision millivolt measurements with extremely close error limits.	Rubicon Co 2780-B	SIMSA-61-247		U/W AN/GVH-1
TS-1611()/FSM-16 TS-1611/FSM-16	Power Supply Test Set	Used to test for voltage, max load, regulation, and other functions.	Hoffman Electronics 138-51-409	AEL-61-522		P/O AN/FSM-16
TS-1612()/FSM-16 TS-1612/FSM-16	Comparator-Synchronizer Test Set	Designed to be used in the bench test of the Signal Comparator-Timer CM-153/ALD-3.	Hoffman Labs 138-51-410	AEL-61-528		P/O AN/FSM-16
TS-1613()/FSM-16 TS-1613/FSM-16	Power Supply Test Set	Designed for testing the Power Supplies PP-2728/GSQ-39, PP-2739/GSQ-39, PP-2730/GSQ-39, and PP-2731/GSQ-39.	Hoffman Electronics 123-55-472 Hoffman Electronics 123-55-474	AEL-61-529 AEL-61-531		P/O AN/FSM-16
TS-1614()/FSM-16 TS-1614/FSM-16	Keyboard Test Set	Designed for testing the TT-285/GSQ-39 and TT-286/GSQ-39.				
TS-1615()/FPS-6 TS-1615/FPS-6	Power Supply Test Set	Tests power supply performance of all power supplies in Control-Power Supply Group OA-3470/FPS-6.	General Electric 7624557G1	WL-61-2325	MIL-R-26463	P/O AN/FPS-6
TS-1616()/APS-104 TS-1616/APS-104	Computer Test Set	Provides for selection of various voltages and currents for direct measurements on a self contained meter and for remote selection of signals to a remote VTVM.	Autonetics 40361-306	AEL-61-600		P/O AN/APS-104
TS-1617()/PR	Radio Test Set	Tests operating parameters of transmitter and receiver giving "go-no-go" indications.		SIMSA-61-284	SCL-4308	U/W AN/PRR-9() AN/PRT-4()
TS-1618()/UG	Frequency Shift Converter Test Set	Provides a stable audio signal with a varying degree of shift when electronically keyed from a teletype line using 20 or 60ma of line current.	Cooke Engineering Co 102-065	N-61-X-1710		
TS-1619()/FPR-2 TS-1619/FPR-2	Frequency Deviation Analyzer	Analyzes by means of a graphic recording indicator, the video frequency band applied to its input and supplies the resultant signal power to the Frequency Time Recorder RO-187/FPR-2&().	Western Electric Co GS-18655	RONE-61-127		P/O AN/FPR-2
TS-1620()/GGC-8	Electronic Circuit Plug-In Unit Test Set	Provides voltages, tests signals, and loads; and monitors output. 12.8μsec repetition rate; 1.5μsec rise and fall time for card; -0.5 to 3.0v output.	Control Data Corp 150	CRC-61-57	EXH: AFCRC 58-21	U/W AN/GGC-8
TS-1621()/GGC-8	Control-Monitor Test Set	Determines performance characteristics of the parent equipment under extreme operating conditions.	Control Data Corp ETE-101	CRC-61-58	AFCRC-58-21	U/W AN/GGC-8
TS-1622/U	Transistor Test Set	Leakage: 125μa to 100ma in 12 ranges. Base injection current: 0 to 132μa/30ma. Collector current: 0 to 3ma/100ma. Beta: 0 to 200. Internal batteries.	Sencore Inc TR-115	N-61-T-1725		
TS-1623()/AJM-11 TS-1623/AJM-11	Electronic Circuit Plug-In Unit Test Set	Used to test the plug-in modules of the C-3431/AJN-10 equipment.	Vought 401-30460-1	AEL-61-610		P/O AN/AJM-11
TS-1624()/ASM-57	Amplifier Indicator Test Set	Simulates signals identical to those present in the Amplifier Assembly AM-2853()/ASN and measures the ac input signal; tests input signals under actual flight conditions, flag warning circuits and three servo channels.	Collins Radio 522-1148-00	SIMSA-61-307		P/O AN/ASM-57()
TS-1625()/ASM-57	Computer Test Set	Simulates and tests selected heading, bank and course datum signals normally supplied the Steering Computer CD-583()/ASN.	Collins Radio 522-1149-00	SIMSA-61-308		P/O AN/ASM-57()
TS-1626()/ASM-11 TS-1626/ASM-11	Indicator Test Set	Cannot operate without Collins 477K-1 Gyro-Simulator with this equipment this test set performs: synchro electrical zeros and phasing, horizon disc and pitch bar speed and servo, meter sensitivities, ILS Switch, integral lighting, pitch trim change motor and heading. All performed on ID-882/ASN.	Collins Radio 477P-1	SIMSA-62-429		P/O AN/ASM-111
TS-1627()/ASM-110 TS-1627/ASM-110	Indicator Test Set	Functionally tests all operational characteristics of the Course Indicator ID-883()/ASN. Used with Compass Simulator (Collins 477L-1).	Collins Radio 477Q-1	SIMSA-61-310		P/O AN/ASM-110
TS-1628()/SPG-55B TS-1628/SPG-55B	Radio Frequency Power Test Set	Contains the remote indicator of the high voltage power supply and monitors the output voltage for the operation of the system.	Sperry Gyroscope Co 2382523	N-61-W-1704		P/O AN/SPG-55B
TS-1629()/DPN-68	Transponder Set Test Set	Classified.		N-61-W-1724		
TS-1630()/GJM TS-1630/GJM	Control-Guidance Coupler Test Set	Contains logic and semi-logic circuitry; automatic or semi-automatic operation, provides logic signals across the interfaces between the C53 and its associated equipment.	Autonetics 60300-305	WDD-61-3671		

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TS-1631/DPM-10	Video Decoder	Classified.				
TS-1632()/GSM TS-1632/GSM	Missile Systems Checkout Fault Locator	Supplies monitoring capabilities in addition to those of the Standby Status Indicator ID-699/GS.	Gen Dynamics/Astro 27-55004-503	N-61-b-1709 WDD-61-2075		
TS-1633()/APM-176	Radar Test Set	Provides simulated aircraft speed and drift angle information which is coupled to the Radar Navigation Set AN/APN-129(V).	RMS Associates Inc 632-1001	SIMSA-61-498		P/O AN/APM-176()
TS-1634/FCC	Time Signal	Used to furnish synchronous signals for alignment of the AN/FCC-15 or similar carrier equipment channels.	Internat'l Tel & Tel A-7000379	N-61-Y-2067		U/W AN/FCC-15
TS-1635/TSC-15	Telephone Test Set	Tests telephone line to radio channel loop, tests teletype loops to radio channel loop, and tests telephone line to telephone line.	Collins Radio 522-2763-005	N-61-T-2060		U/W AN/TSC-15
TS-1638()/ASM	Automatic Preflight Test Set	Performs "go-no-go" and marginal tests by means of indicator lights on avionics communications and on the test set. Cancelled 3 March 1962.	Radio Corp of Amer 8623718-501	SIMSA-61-473		U/W AN/APX-44() AN/ARM-30()
TS-1643()/ASW-12(V) TS-1643/ASW-12(V)	Altitude Control Test Set	Supplies power to energize C-3106/ASW-12(V) and measures output signals while bench testing.	Sperry Phoenix Co 2592043	SIMSA-61-394		U/W AN/ASW-12(V) Single axis 3 axis, 4 axis
TS-1644()/ASW-12(V) TS-1644/ASW-12(V)	Displacement Gyroscope Test Set	Supplies power to energize Gyro CN-601()/ASW-12(V) and measures output signals while bench testing.	Sperry Phoenix Co 2592052	SIMSA-61-395		U/W AN/ASW-12(V) Single axis 3 axis, 4 axis
TS-1645()/ASM-60 TS-1645/ASM-60	Motor Box Test Set	Galvanometer: 75 to 0 to 75 sensitivity, 50 to 0 to 50 scale; milliammeter (two): 0 to 15ma. For testing voltages within motor box; utilizes external power source.	Sikorsky Aircraft S1670-10422-3	SIMSA-62-124		P/O AN/ASM-60
TS-1646/MPS-23	Radio Frequency Power Test Set	0 to 0.1/0.3/1.0/3.0mw average power: input Z: 50Ω. Tests and monitors exciter, driver and forward and reflected klystron power.	Hughes Aircraft Co 556096-100	SIMSA-61-2664	ADA-18B	P/O OA-3549/MPS-23
TS-1651()/ASW-12(V) TS-1651/ASW-12(V)	Collective Pitch Command Control Test Set	Supplies power to energize C-3736/ASW-12(V) and measures its output signals when bench testing.	Sperry Phoenix Co 2592051	SIMSA-61-404		P/O AN/ASW-12(V) 4 axis
TS-1652()/ASW-12(V) TS-1625/ASW-12(V)	Coupler Test Set	Supplies power and simulated signals to navigational coupler and measures output signals when bench testing.	Sperry Phoenix Co 2592042	SIMSA-61-403		U/W AN/ASW-12(V) Single axis 3 axis, 4 axis
TS-1654()/ASM-59 TS-1654/ASM-59	Servo Test Set	Tests and indicates the reactions of the servo motor assemblies-Sikorsky Drawing Number S1665-61755 and S1665-61755-5 under simulated flight.	Sikorsky Aircraft S-1670-10426-1	SIMSA-62-123		P/O AN/ASM-59
TS-1655()/ASW-12(V)	Calibration Unit Test Set	Using external signal generator and VTVM, it tests null, gain, diodes and relay of Calibration Unit MX-3535()/ASW-12(V).	Sperry Phoenix Co 2592048	SIMSA-61-407		P/O AN/ASW-12(V)
TS-1656()/ASW-12(V) TS-1656/ASW-12(V)	Attitude Control Test Set	Supplies power to C-3108/ASW-12(V). Measures output signals when bench testing.	Sperry Phoenix Co 2592045	SIMSA-61-405		U/W AN/ASW-12(V) Single axis 3 axis, 4 axis
TS-1657()/ASW-12(V) TS-1657/ASW-12(V)	Rotary Transducer Test Set	Supplies power to energize rotary motion transducer and measures output voltage and resistance for bench testing.	Sperry Rand Corp 2590250	SIMSA-62-408		U/W AN/ASW-12(V) Single axis
TS-1658()/ASW-12(V) TS-1658/ASW-12(V)	Automatic Controller Test Set	Supplies power to C-3107()/ASW-12(V) and measures output when bench testing; provides dc voltage to servo-effort indicators and ac voltage to edge-lighting circuit.	Sperry Phoenix Co 2592049	SIMSA-61-406		U/W AN/ASW-12(V) Single axis 3 axis, 4 axis
TS-1659()/ASW-12(V) TS-1659/ASW-12(V)	Attitude Reference Control Test Set	Supplies power to subassemblies of the attitude reference control and measures output signals when bench testing. Can measure inputs to subassemblies and checks continuity.	Sperry Phoenix Co 2590246	SIMSA-61-401		U/W AN/ASW-12(V) Single axis 3 axis, 4 axis
TS-1660()/ASW-12(V) TS-1660/ASW-12(V)	Gyro Control Test Set	Supplies power to erection control module of displacement gyro and measures output signals when bench testing. Provides ext load for power warning indicator. Controls roll-erection relay and visual indication when relay is energized.	Sperry Phoenix Co 2592054	SIMSA-61-409		U/W AN/ASW-12(V) Single axis 3 axis, 4 axis
TS-1661()/ASW-12(V) TS-1661/ASW-12(V)	Coupler Test Set	Supplies power to navigational coupler and measures output when bench testing. Provides signals to lateral and vertical axis channel assembly.	Sperry Phoenix Co 2592041	SIMSA-61-402		U/W AN/ASW-12(V) Single axis 3 axis, 4 axis
TS-1662()/ASW	Gyro Compass Analyzer	Specific design for field testing of Lear MA-1 Compass Components.	Lear Inc LT-3307A	SIMSA-61-412		
TS-1663()/ASW-12(V) TS-1663/ASW-12(V)	Rotary Actuator Test Set	Supplies power to Electro-Mechanical Rotary Actuator TG-92()/ASW-12(V), TG-78()/ASW-12(V), TG-80()/ASW-12(V) and TG-81()/ASW-12(V) and measures output signals when bench testing.	Sperry Phoenix Co 2592040	SIMSA-61-422		U/W AN/ASW-12(V) Single axis 3 axis, 4 axis
TS-1664/FSA-32	Electronic Circuit Plug-In Unit Test Set	Provides all power required, necessary test potentials and monitoring facilities; has plug-in receptacles and "cheater" cords for convenience in servicing plug-in units.	Virginia Electronics C220TS122	N-61-Y-1829	SHIPS-C-2672	U/W AN/FSA-32

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TS-1668()/ASM-125 TS-1668/ASM-125	Bench Test Analyzer	Establishes flight conditions in various flight attitudes for bench testing components of the Automatic Flight Control System AN/ASW-12(V).	Sperry Phoenix Co 2592035	SIMSA-61-427		P/O AN/ASM-125
TS-1670()/URM-142 TS-1670/URM-142	Radio Test Set	Cancelled 21 February 1962.	Gen Dynamics/Elec E48-900229	WDD-61-101	MIL-E-4150B MIL-T-945A	P/O AN/URM-142
TS-1671/G	Digital Pattern Generator	A transistorized unit which provides a simulated flexible time division pulse pattern. Primarily designed for testing PCM, PWM and similar telemetry systems.	Magnavox Co 960944-1	ASA-61-79		
TS-1672()/FSM-16 TS-1672/FSM-16	Control Test Fixture	Designed to supply control voltages and indicate conditions in checking the receiver control function of the Airborne Programmer Group OA-2212/ALD-3.	Hoffman Labs 138-51-402	AEL-61-674		P/O AN/FSM-16
TS-1673()/ALM-29 TS-1673/ALM-29	Microwave Test Set	Classified.		USN-61-W-1842		
TS-1674/MSQ-28	Telephone Test Set	Used in conjunction with the main distribution frame to test communication circuits in the WMC and the RDPC on the equipment side and the line side of the distribution frame.	Hughes Aircraft Co 501896-100	SIMSA-61-2777	ADA-19A, 20A, w/amend 1	P/O AN/MSQ-28
TS-1675()/FSM-16 TS-1675/FSM-16	Tape Perforator Test Set	Bench tests TT-295/GSQ-39. Sets up desired code and applies it to punch solenoids.	Hoffman Elec Corp 123-55-473	AEL-61-670		P/O AN/FSM-16
TS-1689A/ASM-62	Air Data Computer Test Set	Voltage and continuity tests. Meters: 0 to 150vdc and 50-0-50 nullmeter. Indicates computer tolerance limits at random test points.	Airesearch Mfg Co 271270-1-1	NW-63-437		U/W AN/PSM-15
TS-1692()/G	Electrical Cable Test Set	0 to 100Ω/infinity. Tests: insulation breakdown.		SIMSA-61-368		U/W CX-4566()/G
TS-1695()/APM-166 TS-1695/APM-166	Computer Test Set	Simulates pulse signals and programs them into a digital computer. Provides time base, automatic start and reset for electronic counter. Also generates self check signals.	Lab for Electronics 58311-1	AEL-61-787	MIL-T-21200	P/O OA-3603/APM-166
TS-1696()/APM-166 TS-1696/APM-166	Synchro Test Set	Angle positon indicator: measures three wire synchro signals to 6 minutes. Phase sensitive voltmeter: 0.1 to 300v ±3% within range of 50 to 2000cps. Also contains phase generator. Accurately measures electrical angle, phase and amplitude of analog components.	Lab for Electronics 58315-1	AEL-61-790	MIL-T-21200	P/O OA-3608/APM-166
TS-1705()/ASN-22 TS-1705/ASN-22	Servo Test Set	Used to test the servo motor and drive assembly, a component of the AN/ASN-22 Automatic Pilot.	Lear Inc LT-3080	SIMSA-61-2937		U/W AN/ASN-22()
TS-1706()/APM-172 TS-1706/APM-172	Magnetron Test Set	X band frequency: 9375Mc. Input: 1.2Mw peak, 1.2kw average. Output: 2.5Mw peak, 1.0Mw average. Provides dummy RF load for X band radar transmitters and attenuator outputs for measuring equipment.	Burroughs Corp 4165-3628-501	AEL-61-825		P/O AN/APM 172
TS-1707()/GJM TS-1707/GJM	Photo-Electronic Collimator Test Set	Verifies autocollimator operation, detects malfunction, checks seismic features of the autocollimator and checks the alignment circuitry.	Autonetics S-133-121 3-2-4	WDD-61-3702		U/W AN/FJQ-19
TS-1708/GSM-72	Electronic Circuit Test Set	Tests dc resistance (1Ω to 9.99MΩ), insulation resistance (10 to 9.999MΩ) and Z: (50Ω to 100kΩ) at 500v. Automatic, high speed, tape programmed device.	Lavoie Labs K00000306	SIMSA-62-258		P/O AN/GSM-72
TS-1709()/PSM-17 TS-1709/PSM-17	Angle of Attack Transmitter Test Set	A wind tunnel which simulates air speed from 100 to 120 knots. Tests aerodynamic alignment of the transducer. Performs dynamic response and friction tests.	McDonnel Aircraft MDE 322001	N-61-W-2298	MIL-S-8512 (BuWep)	U/W AN/PSM-17
TS-1710()/UM TS-1710/UM	Resistance Calibrator	Tests the temperature circuit of the indicator-recorder at specific temperatures. Plugs into AM-3210/AMA-2.	Bendix Corp	N-61-W-2328		P/O AN/AMQ-17 OA-369/AMQ-18 U/W ID-1007/AMA-2 ML-548/AMQ
TS-1711()/GSM TS-1711/GSM	Electronic Circuit Plug-In Unit Test Set	Classified.		AEL-61-1662		
TS-1712/MSQ-28	Electronic Circuit Plug-In Unit Test Set	A portable piece of test equipment included in the OA-2308/MSQ-28, and OA-2309/MSQ-28. The tests are designed to determine the operational status of standard elements and matrix cards.	Hughes Aircraft Co 501039-100	SIMSA-61-4122	ADA-19A, 20A w/amend 1	P/O AN/MSQ-28
TS-1713()/USM-113 TS-1113/USM-113	Radiac Tube Test Set	Tests usability of Geiger-Muller, pulse oscillator, and high voltage tubes in existing equipment.	Electronic Prod Co	N-61-X-2437		P/O AN/USM-113
TS-1714()/FSM-18 TS-1714/FSM-18	Radar Signal Processing Component Test Set	Provides for testing major components of the Radar Signal Processing Group AN/FSA-20 and AN/FSA-31.	General Electric 7313816G2	WL-61-3571		P/O AN/FSM-18
TS-1715()/P	Telephone Test Set	Used to test signals in the line unit of the TA-207/P and TA-208/P.	Continental Electronics 1101	SIMSA-61-559		U/W SB-86/P
TS-1716()/PR	Battery Test Set	Used by combat troops to provide means of determining the conditions of batteries.		SEL-61-559	SCL-4308	U/W AN/PRR-9() AN/PRT-4()
TS-1718/FPN-43	Electrical Pulse Analyzer	Contains circuitry for measuring the envelope of detected RF pulse. It is capable of measuring any RF pulse during any time shared interval.	Sperry Gyroscope Co 1508267	N-61-ac-2524		P/O OA-3730/FPN-43
TS-1719()/U TS-1719/U	Spectrum Analyzer	Range: 2400 to 3650Mc. Designed to make microwave power and frequency measurements.	Hallicrafters Co 001-904272	AEL-61-1721		
TS-1720/GRM-38	Radio Frequency Power Test Set	A self-contained instrument designed to measure and absorb RF power up to 1.2w over the frequency range: 1 to 100Mc.	M C Jones Elec Co 623N	N-61-T-2582		P/O AN/GRM-38

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TS-1721()/F	Radio Frequency Connector Test Set	Measures the reflection coefficient of coaxial connectors, reflection coefficients are displayed on VSWR vs frequency calibrated screens of an integral oscilloscope.	PRD Electronics SK-10029	N-61-X-2583	SHIPS A3569	
TS-1722()/TPS TS-1722/TPS	Amplifier Test Set	Provides tests for the logarithmical amplifier stage of the receivers used in Radar Sets AN/TPS-22 and AN/TPS-27.	Westinghouse Electric 4840751G01	WL-61-3364	MIL-R-26455	U/W AN/TPS-22 AN/TPS-27
TS-1724()/GSW-4 TS-1724/GSW-4	Voice Reporting Signal Assembly Test Set	Used to run end to end tests of the Boeing Figure "A" 1412 Voice Reporting Signal Assembly.	Nortronics 10-21336-1	WDD-61-4704		U/W AN/GSW-4 P/O WS-133A
TS-1725()/ASM-82 TS-1725/ASM-82	True Air Speed Tester	Used to determine transient error (response), scale error and friction, tolerance limits and position error of the Air Research P/N8s 24482 and 24482-1 TAS Indicators over the range of 150 to 1500 knots.	McDonnell Aircraft MED 321162-301	N-61-W-1998		P/O AN/ASM-82
TS-1726()/TPS-25 TS-1726/TPS-25	Modulator Test Set	Tests pulse repetition frequency in MD-344()/TPS-25.	Hazeltine Electronics OA387273	SIMSA-62-101		P/O OA-2228A/TPS-25
TS-1727()/TPS-25 TS-1727/TPS-25	Receiver Transmitter Test Set	Tests frequency and RF pulse wave shapes in RT-500()/TPS-25.	Hazeltine Electronics OA387274	SIMSA-62-102		P/O OA-2228A/TPS-25
TS-1728()/SQS-26	Sonar Fault Locator	Monitors about 300 selected test points in AN/AQS-26, to isolate faults to the smallest sub-assembly.	General Electric Co EH-88077	N-62-n-27		U/W AN/SQS-26()
TS-1729()/GSM-59 TS-1729/GSM-59	Antenna Test Set	Tests the power of the antennas of the AN/GSQ-54.	Boeing Co 25-26830-1	WDD-61-4696		P/O AN/GSM-59
TS-1730()/DJM-20 TS-1730/DJM-20	Missile Control Group Test Set	Supplies logic signals to the test set which indicates whether or not the missile control group is ready for a scheduled sequence of operation. Used with SM-80 Missile Control Group.	Autonetics 35785-315	WDD-62-3624		P/O AN/DJM-20
TS-1731()/GSM TS-1731/GSM	Amplifier Test Set	Used in examining amplifiers used in the comparator-computer.	Sperry Gyroscope Co T-316298	WL-62-1362		P/O AN/MSM-69 AN/FSM-20
TS-1732()/GSM TS-1732/GSM	Electronic Circuit Plug-In Unit Test Set	Examines all printed circuit assemblies except the amplifiers.	Sperry Gyroscope Co T-316299	WL-62-1363		P/O AN/MSM-69 AN/FSM-20
TS-1733()/MSM-68 TS-1733/MSM-68	Electronic Circuit Plug-In Test Set	Provides reference signals and power to test plug-in units removed from the electrical synchronizer for trouble shooting purposes.	Sperry Gyroscope Co 1598575	WL-62-1335		P/O AN/MSM-68
TS-1734()/GSQ TS-1734/GSQ	Computer Test Set	Specifically intended for use in examining the comparator-computer.	Sperry Gyroscope Co 1508576	WL-62-1352		P/O OA-3839/FSQ-40 OA-3842/MSQ-50
TS-1735/TPS-34	Capacity Voltage Divider	Reduces voltage to safe level for application to oscilloscope.	Sperry Gyroscope Co 1040848	N-62-T 284		P/O AN/TPS-34
TS-1737()/ASM-87 TS-1737/ASM-87	Optical Equipment Test Set	Portable, contains optical collimator, provides a test pattern to test performance of TV camera when attached to bomb director group.	North Amer Aviation 56088-305	N-62-W-326		P/O AN/ASM-87
TS-1738()/ASW-12(V)	Interlock Control Test Set	Tests operation of C-3737/ASW-12(V). Output: 28vdc, 1a; 115vac, 400cps, 0.5a.	Sperry Gyroscope Co 2585490	SIMSA-62-143		U/W AN/ASW-12(V)
TS-1739()/FPS-27 TS-1739/FPS-27	Electronic Circuit Plug-In Unit Test Set	Provides voltages for testing plug-in type printed circuit boards, used with external test equipment for dynamic tests.	Westinghouse Electric 378A547G01	WL-62-1484		P/O AN/FPS-27
TS-1740()/TPS TS-1740/TPS	Radar Test Set	Used to isolate faulty sections or subassemblies during field operation.	Westinghouse Electric 377A511G01	WL-62-1522		P/O AN/TPS-22 AN/TPS-27
TS-1741()/UMM-1 TS-1741/UMM-1	Radiosonde Calibration Chamber	Provides simulated atmosphere to calibrate radiosonde sets.		N-62-W-467		P/O AN/UMM-1
TS-1742()/ASM-89 TS-1742/ASM-89	Navigational Computer Test Set	Simulates navigational computer problem parameters: 0 to 360° wind and compass heading. 150 to 1500 knots airspeed. 0 to 200 knots wind speed. 180° east to 180° west magnetic variation. 0 to 1,999 nautical miles range. 72° north to 72° south present position latitude.	Mc Donnell Aircraft A05G006	N-62-W-408	MIL-T-21200 (ASG)	P/O AN/ASM-89 U/W CP-644/ASN-39 AM-3049/ASN-39
TS-1743()/ASM-89 TS-1743/ASM-89	Amplifier Test Set	Isolates malfunctions in amplifier to the module, trouble shoots non-modular chassis. Bearing: 0 to 360° ±2°, 0 to 500 miles ±10, 0 to 1000 miles ±15. Latitude 72° north to 72° south. Longitude 360° ±1°. Integration period: 1 sec ±1msec. Visual monitor.	Mc Donnell Aircraft A05G0007	N-62-W-409	MIL-T-21200 (ASG)	P/O AN/ASM-89 U/W CP-644/ASN-39 AM-3049/ASN-39
TS-1744()/ASM-90 TS-1744/ASM-90	Navigational Computer Test Set	Simulates signals and tests for and isolates trouble ("E" level) in the AN/ASN-39. 0 to 360°; 150 to 1500 knots (airspeed). Visual monitor.	Mc Donnell Aircraft A05G0004	N-62-W-416	MIL-T-21200 (ASG)	P/O AN/ASM-90
TS-1745/ASM-6A	Magnetic Detector Test Set	Provides necessary test signals, switching circuits, indicators and other controls necessary to test, troubleshoot and calibrate magnetic detecting sets.	Textron Inc 74331	N-62-W-503	MIL-T-19432A (WEP)	P/O AN/ASM-6A
TS-1746/ASM-6A	Torque Test Set	Measures minimum voltage (0 to 25vac) necessary to actuate servo drive motors used in the magnetic detecting head.	Textron Inc 74612	N-62-W-504	MIL-T-19432A (WEP)	U/W DT-37B/ASQ-8 DT-239/ASQ-10 P/O AN/ASM-6A
TS-1747()/APX-46(V) TS-1747APX-46(V)	Transponder Bench Test	Provides power, provisions for controls, connections for cables, IF amplified jig and a test connection for checking major test points of the AN/APX-46(V).	Hazeltine Electronics 111 366	AEL-62-122		U/W AN/APX-46(V)

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TS-1748()/ASM-91 TS-1748/ASM-91	Frequency Control Box Test Set	Used to test, trouble-shoot, and calibrate the frequency control box; tests corrective signals, automatic paralleling circuit response to frequency and phase difference and load balancing capability.	Mc Donnell Aircraft A06G0018	N-62-W-455		P/O AN/ASM-91
TS-1749()/SRM-2 TS-1749/SRM-2	Radio Set Transfer Control Test Set	Tests operation of Radio Set Transfer Control C-3307/UR of the AN/SRW-4() series systems.	Babcock Electronics 110893	N-62-W-375		P/O AN/SRM-2
TS-1750()/SRM-2 TS-1750/SRM-2	Power Supply Test Set	Tests interlock circuits and calibrates overload protection circuits of Power Supply PP-2658/UR which is used to check Radio Frequency Amplifier AM-2643/UR.	Babcock Electronics 110896, Type BTS-33	N-62-W-376		P/O AN/SRM-2
TS-1751()/SRM-2 TS-1751/SRM-2	Receiver Test Set	Operates and tests individual subassembly components of R-999/URW-16.	Babcock Electronics 110895, Type BTS-32	N-62-W-377		P/O AN/SRM-2
TS-1752()/SRM-2 TS-1752/SRM-2	Relay Test Set	Tests all relays in the AN/SRW-4 Systems, measures voltage and current sensitivities.	Babcock Electronics 110892, Type BTS-29	N-62-W-378		P/O AN/SRM-2
TS-1753()/SRM-2 TS-1753/SRM-2	Transmitter Test Set	Alignment tests of RF and AF circuits, dummy loads for power supply outputs. For all individual subassembly components of T-775/URW-14A and AN/URW-14.	Babcock Electronics 110894	N-62-W-379		P/O AN/SRM-2
TS-1754()/TSM-28A TS-1754/TSM-28A	Data Link Coupler Analyzer	An analog comparator of certain standard and inputs to the data link coupler are compared to the inputs. Internal signal handling and outputs are analyzed.	Radio Corp of Amer 8315242-502	AEL-62-206	MIL-A-26612A-1	P/O AN/TSM-28A
TS-1755()/PRC-25	Electronic Circuit Plug-In Unit	AF and dc resistance operate the bridge circuit and signal generators. Used in locating faulty modules in RT-505()/PRC-25.	Radio Corp of Amer	Simsa-62-147		U/W RT-505()/PRC-25
TS-1756()/URM-142 TS-1756/URM-142	Missile Guidance Test Set Pitch and Yaw Calibrator	Simulates pitch and yaw signals received by AN/URM-142 from air borne decoders. These signals are used in calibration of the set. Indications are displayed on SG-456/URM-142.	GE-Syracuse 48D800100	WDD-62-118		U/W AN/URM-142
TS-1757()/URM-142 TS-1757/URM-142	Monitor Panel Calibrator	Simulates voltage proportionals from beacons and decoders and calibrates signals of "go-no-go" indications of monitor panel.	General Electric Co 48D800102	WDD-62-119		U/W SB-1511/URM-142
TS-1758()/GJQ-17 TS-1758/GJQ-17	Missile Guidance System Fault Locator	Monitors and interprets system conditions to localize malfunction of the MCACG or airborne, displays the results on malfunction (replaceable portion) indicator lamps.	AC Spark Plug 7869783	WDD-62-6606		P/O AN/GJQ-17
TS-1759/TSC-15	Converter-Multiplexer Test Set	Selects a particular sideband group to be tested by conventional test equipment.	Collins Radio 522-2934-005	N-62-T-582		U/W CV-976/U when U/W AN/TSC-15
TS-1760/TSC-15	Telephone Test Set	Selects various transmit and receive lines of the SB-1248/TSC-15 and CV-976/U for testing on conventional test equipment.	Collins Radio 522-2932-005	N-62-T-583		U/W SB-1248/TSC-15 CB-976/U when U/W AN/TSC-15
TS-1761/TGA-1	Telegraph Terminal Group Test Set	Selects a particular teletype channel to be tested simulates channel operation indicators, distributes operating power for AN/TGA-1.	Collins Radio 522-2933-005	N-62-T-584		P/O AN/TGA-1
TS-1762()/UPM-92 TS-1762/UPM-92	Transponder Test Set	Provides "go-no-go" tests on performance of transponder by transmitting pulse coded IFF interrogation and detecting replies; Mark X and Mark X (SIF) capabilities, Mark XII compatibility.	Hazeltine Electronics 111364	AEL-62-117		P/O AN/UPM-92
TS-1763()/ASM-96 TS-1763/ASM-96	Receiver Control Test Set	Checks relay circuits and power control lines of the radio receiver and its navigational control box; the control box used on S2 for P3V Aircraft Installations may be checked.	Austin Electronics 810-1385763	N-62-W-516		U/W R-1047A
TS-1764()/ASM-75 TS-1764/ASM-75	Electronic Circuit Plug-In Unit Test Set	Provides proper voltages, loads and connections for testing subassemblies of the R-1022(P)/AR.	Electronic Commun 03-00633-00	AEL-62-213		U/W AN/ASM-75
TS-1765()/ASM-75 TS-1765/ASM-75	Electronic Circuit Plug-In Unit Test Set	Provides proper voltages, loads and connections for testing subassemblies of the R-1022(P)/AR.	Electronic Commun 03-00634-00	AEL-62-214		U/W AN/ASM-75
TS-1766()/ASM-75 TS-1766/ASM-75	Electronic Circuit Plug-In Unit Test Set	Provides proper voltages, loads and connections for testing subassemblies of the R-1022(P)/AR.	Electronic Commun 03-00632-000	AEL-62-215		U/W AN/ASM-75
TS-1767()/ARM-56 TS-1767/ARM-56	Electronic Circuit Plug-In Unit Test Set	For testing modular subassemblies. Output: audio 300/1000/5kc/10Mc. Also provides proper voltages and loads for the subassembly tests.	Electronic Commun 03-00674-000	AEL-62-216		U/W AN/ARM-56
TS-1769()/ASB-7 TS-1769/ASB-7	Bombing Data Computer Test Set	Transfers program information to CP-209/ASB for troubleshooting and operational checkout and records results; may be used to check for errors in entire information.	Gen Precision Labs 58A80D271	N-62-W-565		P/O AN/ASB-7
TS-1770/USM-156	Electronic Circuit Plug-In Unit Test Set	Performs acceptance or troubleshooting tests on printed circuit cards used in the analog to digital converter and multiplexer, simulates input signals and transmits additional input signals to the cards.	Ford Instrument Co	N-62-Y-668		P/O AN/USM-156
TS-1771()/U	Radio Frequency Power Test Set	30 to 600Mc when used as dry watt meter and 30 to 1000Mc when a dummy load. 0 to 50/150w input power. Input Z: 50Ω. Convection cooling. Meter indication.	Sierra Electronics SA-17225-5	N-62-X-658		

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TS-1773()/ASM-98 TS-1773/ASM-98	Flight Line Data Link Test Set	Function identical to AN/ASM-98. Except for 5 aircraft connecting cables, this is the basic test set portion of the AN/ASM-98. Contains all circuitry of AN/ASM-98.	Radio Corp of Amer 8323701-502	N-62-W-768		P/O AN/ASM-98 SR#0918/10
TS-1774()/APX TS-1774/APX	Interrogator Set Monitor	Monitors: antenna VSWR, receiver frequency, xmitter frequency, and xmitter coding. Performs in-flight.	Packard-Bell	AEL-62-271		U/W AN/APX-49 AN/APX-56
TS-1775()/U TS-1775/U	Relay Test Set	0 to 150ma coil currents. 0 to 15/75/175ma meter. External battery source as required by relay under test. Two-way interchangeable with I-181, I-181A, I-181B except for maintenance and physical size.	Madigan Elec Corp	SIMSA-62-235	MIL-T-3101B	U/W SB-249/TTC AN/GRC-1 AN/MSW-6
TS-1776()/USM-161 TS-1776/USM-161	Radio Frequency Power Test Set	10Mc to 10kMc. 0 to 10mw. Input Z: 50Ω. Meter: 0 to 0.3/1.0/3.0/10.0mw. Features: 2% accuracy, 10μw/°C temperature coefficient. With auxiliary attenuators input power extended to 5w (CN-844/USM-161 and CN-845/USM-161).	Gen Microwave Corp 457	SIMSA-62-189		P/O AN/USM-161
TS-1777()/VRM-1 TS-1777/VRM-1	Radio Test Set	Tests: voltage, audio signal or noise level and sensitivity, crystal reference system frequency and modulator power output and distortion. Good or bad light indications.	Arco Corp 837170	SIMSA-62-244		P/O AN/VRM-1 U/W AN/VRC-13,43 through 49
TS-1780/SYA-4(V)	Electronic Circuit Plug-In Unit Test Set	Provides test facilities for troubleshooting and repair of modules in the NTDS equipments, has a dc bridge, 10Mc circuit tester, servo analyzer.	Hughes Aircraft Co 575940-100	N-62-b-923 SHIPS-D-3921A		P/O AN/SYA-4(V)
TS-1781()/GSM-78 TS-1781/GSM-78	Control Guidance Coupler Test Set	Provides worst case logic inputs to the control-guidance coupler and monitors and provides indicators for the output signals.	Autonetics 35060-315	WDD-62-3699		P/O AN/GSM-78
TS-1782/AAM-9	Visual Test Target	Produces a variable light source for determining the optical resolution of AN/AAS-14.	HRB-Singer Inc 67809 less part no 60340	SIMSA-62 2571		P/O AN/AAM-9
TS-1783/AAM-10	Thermal Test Target	Produces a heat source for determining the optical resolution of AN/AAS-14.	HRB-Singer Inc 67821 less part no 60341	SIMSA-62-2574		P/O AN/AAM-10
TS-1784/ASB-7	Range Calibrator	Checks the precision range circuits of the AN/ASB-7; calibrated at 5500ft markers, ±0.01% accuracy; power measurement: 110vac, 50 to 10000cps, single phase, 28vdc 1.25a.	Philco Corp BuWeps 58A122D480	N-62-W-945		P/O AN/ASB-7
TS-1785()/ASM-82 TS-1785/ASM-82	Computer Test Set	Provides for a complete computer and individual module checkout, and provides all panel instrumentation and controls.	Mc Donnell Aircraft MDE 322788-1	N-62-W-962		P/O AN/ASM-82
TS-1785A/ASM-82	Computer Test Set	Tests: voltage (0 to 150v), current (0 to 300ma), voltage ratios (0.0000 to 0.9999 ±1 count), simulators TAS SPC (.000 to .999 ±2% TT -346°R to 1000°R.	Aireasearch Mfg Co MDE 322788-301	NW-63-73	MIL-T-21200C	P/O AN/ASM-82A
TS-1786()/AWM-14 TS-1786/AWM-14	Fire Control System Test Set	Checks computer and certain transmitter functions of the radar set group by simulating inputs and monitoring outputs, checks operation and safety of the fire control circuitry. Cancelled 23 June 1962	Raytheon 50096-5019G2	N-62-W-972		P/O AN/AWM-14
TS-1787/USM-115	Range Calibrator Set	U/W pulse type radars. 100 to 799,900 yards ±0.01%+ 5 yards. Portable. Self testing.	Amer Avionics Inc	N-62-X-975	MIL-C-22364 MIL-T-945A MIL-E-16400D (SHIPS)	P/O AN/USM-115
TS-1788()/ASN-30 TS-1788/ASN-30	Amplifier Test Set	Performs gain, distortion, noise and current tests for specific AN/ASN-30 System Amplifiers at a bench or "shop" level.	Huyck Systems Co 526-2-000	N-62-W-1116	XAV526-2-80	U/W AN/ASN-30
TS-1789()/GSM-82(V) TS-1789/GSM-82(V)	Communications Test Set Tester	Monitors input and output voltages, tests circuit continuity and indicator light circuits of unit.	Boeing Aircraft Co 25-34003-1	WDD-62-4309		P/O AN/GSM-82
TS-1790()/GSM-82(V) TS-1790/GSM-82(V)	Audible Alarm Assembly Test Set	Provides voltage inputs to tested items and monitors the various outputs.	Boeing Aircraft Co 25-33863-1	WDD-62-4310		P/O AN/GSM-82
TS-1791()/GSM-82(V) TS-1791/GSM-82(V)	Indicator Launcher Missile Status Test Set	Provides various 28v signals to test item and monitors outputs, 28vdc, 1a input.	Boeing Aircraft Co 25-33860-1	WDD-62-4311		P/O AN/GSM-82
TS-1792()/GSM-82(V) TS-1792/GSM-82(V)	Control Alarm Test Set	Provides a 28v signal and a dummy load to the tested item monitors the output signal.	Boeing Aircraft Co 25-33862-1	WDD-62-4312		P/O AN/GSM-82
TS-1793()/GSM-82(V) TS-1793/GSM-82(V)	Direct Current Power Filter Test Set	Generates voltage pulses and provides 28v which are applied to tested item, monitors outputs and provides dummy load to the tested item.	Boeing Aircraft Co 25-33861-1	WDD-62-4313		P/O AN/GSM-82
TS-1794()/GSM-82(V) TS-1794/GSM-82(V)	Voltage Regulator Programmer Group Test Set	Provides in conjunction with cables, adapters, etc, a means for performing continuity and operational tests.	Boeing Aircraft Co 25-33832-1	WDD-62-4314		P/O AN/GSM-82

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TS-1795()/GSM-82(V) TS-1795/GSM-82(V)	Programmer Group Power Supply Test Set	With the cables, adapters, etc performs continuity and power operational tests, input: 28vdc, 120/208v, 400cps.	Boeing Aircraft Co 25-33833-1	WDD-62-4315		P/O AN/GSM-82
TS-1796()/GSM-82(V) TS-1796/GSM-82(V)	Dummy Decoder Test Set	Tests the integrity of the dummy decoder in several modes of operation. Input: 28vdc.	Boeing Aircraft Co 25-33834-1	WDD-62-4316		P/O AN/GSM-82
TS-1797()/ARM-63	Radio Test Set	Bench tester. Voltmeter: 0 to 30/150/600vdc; 0 to 6/30/150vac. Ammeter: 150 to 0 to 150μa, 0 to 1/30ma, 0 to 5/30a. Frequency meter: 95 to 120cps.	Aircraft Radio Corp	SIMSA-62 187		P/O AN/ARM-63
TS-1799()/FPS TS-1799/FPS	Relay Test Set	Provides visual indication of relay coil energization by illuminating numerals corresponding to the relay coils as numbered on the relay chassis. Cancelled 4 Febrauary 1963.	Radio Corp of Amer 8633160-1	WL-62-2653		U/W AN/FPS-49 AN/FPS-50(V)
TS-1800()/APM-92 TS-1800/APM-92	Computer Test Set	Semi-automatic "go-no-go" tests of radar set computer switching and output functions and of voltages at internal test points, generates simulated computer functions.	Raytheon 50403	N-62-W-1132		P/O AN/APM-92
TS-1801()/ASM-99 TS-1801/ASM-99	Programmer Test Set	Checks operation of, and provides calibration signals for AN/ASA-38(V), used in conjunction with Sidewinder MK-29 Missile and Test Harness (radar), supplies power voltages to missile.	Magnavox Co 713259-801	N-62-W-991		P/O AN/ASM-99 U/W AN/ASA-38(V)
TS-1802()/AAM-11 TS-1802/AAM-11	Thermal Sensitivity Test Set	An infrared source provides and maintains a precision regulated temperature at the emitting surface (a 12 inch square). Emissivity=0.92; temperature range: 0 to 230°C.	Barnes Eng Co	SIMSA-62-2530		P/O AN/AAM-11
TS-1803()/ALM-34 TS-1803/ALM-34	Diode Semi-conductor Device Test Set	Tests: peak inverse voltage (up to 1500v), zener voltage (up to 200v), inverse current, forward current (up to 1a).	Webcor Inc G35A16570	N-62-W-1246		P/O AN/ALM-34
TS-1804()/ALM-35 TS-1804/ALM-35	Electron Tube Liquid Cooler Test Set	Provides means for cooling testing HD-486/ALT-19(V).	Webcor Inc G36A16567	N-62-W-1247		P/O AN/ALM-35 U/W HD-486/ALT-19(V)
TS-1805()/FPS TS-1805/FPS	Relay Test Set	Indicates relay coil energization by illuminating a number lamp corresponding to relay contacts as numbered on the relay chassis.	Radio Corp of Amer 8605056-501	WL-62-2654		U/W AN/FPS-49 AN/FPS-50(V)
TS-1806()/FSA-37 TS-1806/FSA-37	Range Error Calibrator	Push button switches apply known test signals through fixed resistance paths for calibration of external circuitry.	Radio Corp of Amer 8604717-501	WL-62-2357		P/O AN/FSA-37
TS-1807()/ARM-64 TS-1807/ARM-64	Amplifier Test Set	Gives power output readings of dc voltages and currents, checks performance of the KW amplifier. Calibration: 0 to 120/1200w; 0 to 50/1000/2500vdc; 0 to 150/1500ma.	Magnavox Co 708672-801	AEL-62-334		P/O AN/ARM-64
TS-1808/ASN-37	Altitude Heading Reference Test Set	Tests each of the components of the AN/ASN-37. Sets up test conditions, monitors power consumed.	Lear Inc LT 3969	N-62-W-1404		U/W AN/ASN-37
TS-1809()/APM-123	Transponder Test Set	Preflight check on AN/APX-44. Receiver: 1090Mc ±3Mc, 7dbm ±2 power output.	Packard-Bell	SEL-62-208	SCL-4198	P/O AN/APM-123
TS-1810()/ASM-101 TS-1810/ASM-101	Resolver Test Set	Provides a means of adjusting the resolvers used when interchanging omni-bearing selectors and indicators.	Collins Radio 479X-2	SIMSA-62-355		P/O AN/ASM-101
TS-1811()/GSM	Insulated Boot Test Set	Capacitance bridge circuit used for moisture measurements inside of used combat boots, to determine their suitablility for reuse. Not applicable.		SIMSA-62-319		P/O AN/GSM-83()
TS-1812/SPM-15	Subassembly Test Set	Provides proper load to modules under test.	Raytheon YE4130-5001G1	N-62-W-1485	OS12482 BuWeps	P/O OA-4120/SPM-15
TS-1813()/FPA-20 TS-1813/FPA-20	Indicator Test Set	Tests and aligns the azimuth-elevation range indicator.	Radio Corp of Amer 2131743-501	WL-62-2948		P/O AN/FPA-20
TS-1815()/ARM-60 TS-1815/ARM-60	Radar Test Set	Type of tests: pulse width discrimination, prf discrimination, receiver sensitivity, transmitter frequency and power; measures over-all system delay on a continuously variable basis.	Hazeltine Electronics	AEL-62-499	MIL-T-21200	P/O AN/ARM-60
TS-1816()/FSQ-28 TS-1816/FSQ-28	Electronic Plug-In Unit Test Set	Provides built-in testing facilities for static testing of all output drivers.	Sylvania Electric Co 89-413579-1	WL-62-3457		P/O OA-3054/FSQ-28
TS-1817()/APQ-96	Transponder Set Test Set	Used in flight to monitor performance of transponder set. Tests: transmitter frequency and power, bracket decode, peak power, interrogation frequency, receiver sensitivity and insertion mismatch. Cancelled 2 October 1962.		SIMSA-62-396	SC-A-46656A	P/O AN/APQ-96() AN/APX-44
TS-1818()/TPN-12 TS-1818/TPN-12	Glide Angle Calibrator	Initially aligns the glide path angle cursor and monitors its values during operation.	Lab for Electronics 67924-1	WL-62-3182	MIL-R-9616	P/O OA-2145/TPN-12
TS-1819()/GSM-82(V) TS-1819/GSM-82(V)	Telephone Repeater Test Set	Provides means of applying input power (24vdc), input signal (20 to 6000cps) and monitoring outputs of telephone repeater.	Boeing Aircraft Co 25-34800-1	WDD-62-4596		P/O AN/GSM-82
TS-1820()/GSM-82(V) TS-1820/GSM-82(V)	Power Supply Test Set	Provides access to all pins of connectors of power supply, provides input power and provides a nominal load for power supply.	Boeing Aircraft Co 25-35451-1	WDD-62-4597		P/O AN/GSM-82

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TS-1821()/GSM-82(V) TS-1821/GSM-82(V)	Telephone Repeater Test Set	Provides access to all pins of connectors and resistors for loads; means of applying input power, input signal and monitoring units.	Boeing Aircraft Co 25-34802-1	WDD-62-4598		P/O AN/GSM-82
TS-1822()/GSM-82(V) TS-1822/GSM-82(V)	Telephone Repeater Test Set	Provides means of applying input power (24vdc), input signal (20 to 6000cps) and monitoring circuits of repeaters.	Boeing Aircraft Co 25-34801-1	WDD-62-4599		P/O AN/GSM-82
TS-1823()/GSM-82(V) TS-1823/GSM-82(V)	Voice Reporting Tester Test Set	Provides access to all pins of four of the connectors on the Test Set TS-1724.	Boeing Aircraft Co 25035448-1	WDD-62-4600		P/O AN/GSM-82
TS-1824()/GSM-59 TS-1824/GSM-59	Antenna Calibration Test Set	Provides a standard disturbance in the RF area which results in a doppler amplifier output and, hence, a standard means of adjusting security system sensitivity to optimum.	Boeing Aircraft Co 25-35613-1	WDD-62-4668		P/O AN/GSM-59
TS-1825()/GSM-82(V) TS-1825/GSM-82(V)	Converter Monitor Alarm Set Test Set	Used in conjunction with the adapter, to test the Alarm Set CV-1288/GSQ-54.	Boeing Aircraft Co 25-35449-1	WDD-62-4693		P/O AN/GSM-82 U/W MX-4453/GMS-82
TS-1826()/GSM-82(V) TS-1826/GSM-82(V)	Receiver-Transmitter Alarm Set Test Set	Tests the alarm set, +15vdc and -15vdc are used with the set, provides test points for alarm set.	Boeing Aircraft Co 25-35499-1	WDD-62-4694		P/O AN/GSM-82
TS-1827()/U	Spectrum Analyzer	Measures and analyzes fundamentals and harmonics, and intermodulation products in the detecting set and other equipment: 20 to 50,000 cycles; 30μv to 300v indicator.	Hewlett-Packard 302A	SIMSA-62-397		U/W AN/AAS-14 AN/TNH-2
TS-1828()/A TS-1828/A	Fire Control System Test Set	Provides facilities to check computer and certain transmitter functions of radar set group, checks operation and safety of the fire control circuitry.	Raytheon 50096-5019G2	N-62-W-1665		P/O AN/AWM-8 AN/APM-92
TS-1829()/ASM-103 TS-1829/ASM-103	Automatic Flight Control Analyzer	Provides ground support by simulating, monitoring or controlling portions of automatic flight control set prior to flight.	Lear Inc 11LT-400A	N-62-W-1667		U/W AN/ASW-20 P/O AN/ASM-103
TS-1830/U	Spectrum Analyzer	20cps to 50kc in 1 band ±(1%+5cps). Meter type. 30μv to 300v fs ±5%. Input Z: 400kΩ on 4 lower ranges, 1MΩ on others. For field service testing.	Hewlett-Packard 302A	N-62-T-1678		P/O AN/GRM-32
TS-1831()/ASM-104 TS-1831/ASM-104	Electronic Control Amplifier Test Set	Used to checkout and prepare for operation the individual assemblies within the amplifier.	Lear Inc 11LT-401A	N-62-W-1683		P/O AN/ASM-104 U/W AM-3082/ASW-20
TS-1832()/ASM-105 TS-1832/ASM-105	Electrical Circuitry Test Set	Used to checkout and prepare for operation the circuits in the relays and amplifier prior to preflight operation of the weapons system.	Lear Inc 11LT-402A	N-62-W-1685		U/W AN/ASW-20 RE-545/ASW-20 RE-592/ASW-20 AM-3082/ASW-20
TS-1833()/GSM-45 TS-1833/GSM-45	Electrical Cable Test Set	Tests all types of cables up to 120 conductors. Measures voltage and resistance; open, short, or crossed conductors; attenuation of coaxial cables.		ORDBA-62-0357		P/O AN/GSM-45
TS-1834()/SP TS-1834/SP	Spectrum Analyzer	Measures voltage and power of frequency spectrum of RF signals; 5000 to 7000Mc range, ±1% frequency calibration, CRT indicator, RF input Z: 50Ω.	Panoramic Electronics SPA4C	N-62-W-1698		P/O AN/SPG-49 AN/SPG-55 AN/SPW-2
TS-1835()/FPS-74 TS-1835/FPS-74	Oscillator Test Set	A test panel which checks the crystal currents of the gated oscillators.	Budd Electronics 1804A00-0000	WL-62-3065		P/O OA-4203/FPS-74
TS-1836/U	Transistor Test Set	Measures beta and Ico. Beta: 1 to 120 in 4 ranges Ico: 0 to 50/500μa. For field testing.	Philco Corp 219B	N-62-T-1771		
TS-1837()/ARC-44	Electronic Circuit Plug-In Unit Test Set	Provides means of indicating and locating malfunctions in subassemblies, plug-in units and modules of the radio set.		SEL-62-241	SCL-1947	U/W AN/ARC-44()
TS-1838()/ARC-51	Electronic Circuit Plug-In Unit Test Set	A means of fault locating to a module of the radio set.		SEL-62-242	SCL-1947	U/W AN/ARC-51
TS-1839()/AAM-6 TS-1839/AAM-6	Infrared Test Set	Provides inputs to and monitors outputs of detecting set to assess performance of each of the functions.	Hughes Aircraft Co 439881	NW-62-12		P/O AN/AAM-6
TS-1841()/GSM-82(V) TS-1841/GSM-82(V)	Launch Facility Start-Up Unit Adapter Test Set	Provides test points for continuity checking of the adapter of the startup unit with a Simpson 260 Multimeter.	Boeing Aircraft Co 25-3580-1	WDD-62-4727		P/O AN/GSM-82
TS-1842()/FSQ-42 TS-1842/FSQ-42	Voltmeter Calibrator	U/W digital voltmeter. 0 to 10.999v ±0.01% fs.	Radio Corp of Amer 8331692-501	WL-62-3792		P/O OA-4035/FSQ-42
TS-1844()/APM-156 TS-1844/APM-156	Transponder Set Test Set	Used for flight line check of IFF(SIF) Transponders. Gives "go-no-go" indications on receiver sensitivity, interrogation coding, frequency, power, pulse code, pulse spacing etc.	Collins Radio 476X-2	SIMSA-62-415		P/O AN/APM-156
TS-1845()/FSQ-31 TS-1845/FSQ-31	Power Supply Test Set	Provides static and dynamic loads to simulate operational environments of test item.	IBM Corp 3690400	WL-62-3732		U/W AN/FSQ-31
TS-1846()/FYQ TS-1846/FYQ	Power Supply Test Set	Pulse amplitudes of 2.2, 2.4, and 3.0a. 6cps to 10kc rate. Provides both static and dynamic loads.	Internat'l Electric 4580976	WL-62-3735		U/W AN/FYQ-4 AN/FYQ-6

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TS-1847()/USM-165	Servo Test Set	Used in testing directional, free and vertical gyros, platforms, computer, servo packages and GSE.	Gen Precision Labs C708654003	N-62-W-1872	MIL-T-21200	P/O AN/USM-165()
TS-1848()/GSM-82(V) TS-1848/GSM-82(V)	Logic Module Test Set	A means of applying power and stimuli so that various outputs of the module may be monitored.	Boeing Aircraft Co 25-38420-1	WDD-62-4759		P/O AN/GSM-82 U/W MX-3618/GSM-61
TS-1849()/GSM-82(V) TS-1849/GSM-82(V)	Azimuth Drive Controller Test Set	Applies 120vac to and facilitates monitoring of various outputs from the controller.	Boeing Aircraft Co 25-35796	WDD-62-4761		P/O AN/GSM-82 U/W DC-88/E
TS-1850()/GSM-84 TS-1850/GSM-84	Exhaust Nozzle Control Functional Checkout Test Set	This set with the test data recorder, will test, fault isolate, and checkout to a group of 3 or less modules of the exhaust nozzle control.	Autonetics 51901-507	WDD-62-3769		P/O AN/GSM-84 U/W RO-211/GSM-84
TS-1851()/GSM-82(V) TS-1851/GSM-82(V)	Logic Module Test Set	Applies power and stimuli to module assembly and monitors outputs.	Boeing Aircraft Co 25-36070-1	WDD-62-4762		P/O AN/GSM-82 U/W MX-4214A/GSM-61
TS-1852()/ASM-106 TS-1852/ASM-106	Control-Monitor Test Set	Provides ground support by simulating or monitoring input or output portions of the control-monitor prior to preflight operation of the DSN-3 Drone Helicopter Weapon System.	Lear Inc	N-62-W-1846	SR-10268	P/O AN/ASM-106
TS-1853()/ASM-107 TS-1853/ASM-107	Electronic Control Amplifier Test Set	Used to checkout and prepare for operation various servo and calibration modules used in electronic control amplifier.	Lear Inc	N-62-W-1848	SE-10273	P/O AN/ASM-107 U/W AM-3082/ASW-20
TS-1854()/GTC TS-1854/GTC	Telephone Test Set Calibrator	Used to calibrate the telephone test set.	North Electric Co 607519	WL-62-3876		P/O AN/FTC-27,28,29 AN/TTC-19,20
TS-1855()/FPS-74 TS-1855/FPS-74	Spectrum Analyzer	10Mc to 44kMc ±1%, 8 bands. Measures spectral characteristics of pulse modulated radar signals.	Polarad Electronics TSA-W	WL-62-3937		U/W AN/FPS-74
TS-1856/U	Spectrum Analyzer	Frequency range: 20 to 20,000cps, 5 bands; distortion: 0 to 100%, 6 ranges, accuracy ±2% of full scale; noise measurement: 0 to 75dbm; voltmeter range: 10cps to 60kc; AM detector: 500kc to 60Mc.	Hewlett-Packard 330D	N-62-T-1938		
TS-1857()/ASM-108 TS-1857/ASM-108	Electronic Control Amplifier Test Set	Tests modules in the amplifier prior to preflight operation of the control set.	Lear Inc 11LT-406A			P/O AN/ASM-108 U/W AM-3082/ASW-20 AN/ASW-20
TS-1858()/GVA TS-1858/GVA	Astro-Tracker Calibrator Group Simulator Test Set	Supplies a secondary light source for photometer calibration, measures light output of the simulator group.	Douglas Aircraft Co 7881263	AEL-62-554		U/W AN/GVA-2
TS-1859()/USM-171	In-Circuit Semiconductor Tester	Provides test of leakage and gain as required by test item on a "go-no-go" basis.		SEL-62-282		P/O AN/USM-117()
TS-1860()/GSM-82(V) TS-1860/GSM-82(V)	Power Supply Test Set	Tests PP-3377/GSM-61 for: voltage regulation, ripple, wave form of produced pulses.	Boeing Co 25-35894-1	WDD-62-11799		P/O AN/GSM-82(V)
TS-1861()/GSM-82(V) TS-1861/GSM-82(V)	Power Supply Test Set	Provides and regulates load for PP-3376/GSM-61. Measures: output voltage, p-p ripples and continuity.	Boeing Co 25-35893-1	WDD-62-11798		P/O AN/GSM-82(V)
TS-1862()/GSM-82(V) TS-1862/GSM-82(V)	Power Supply Test Set	Supplies power, loads, and trouble shoots PP-3378/GSM-61. Measures voltage regulation, and ripple.	Boeing Co 25-35895-1	WDD-62-11800		P/O AN/GSM-82(V)
TS-1863()/AMM-2 TS-1863/AMM-2	Indicator Test Set	Used for field testing of the indicator-recorder group. Performs operational checks on the humidity, pressure, and temperature sensing elements.		N-62-W-1951	MIL-T-945A	P/O AN/AMM-2 U/W AN/AMA-2
TS-1864()/MSQ-28B TS-1864/MSQ-28	Weapons Display Control Test Set	Simulates marker and sweep data, stores X and Y marker position data and sends sweep duration and sweep quadrant to sweep registers. Generates P digits; regenerates system clock pulses.	Hughes Aircraft Co 502063-110	SIMSA-62-2969	SCTR ADA 20A w/Amend	P/O OA-4342/MSQ-28B
TS-1865()/ASM-114 TS-1865/ASM-114	Computer Display Test Set	Performs flight line testing of the functions performed by the computer-display set.	Huyck Systems Co 525-11-000	N-62-W-1903	XAV-525-a 080A	P/O AN/ASN-30
TS-1866()/ASM-114 TS-1866/ASM-114	Computer Display Test Set	Performs voltage and impedance tests at a flight line level of the computer-display set.	Huyck Systems Co 525-12-000	N-62-W-1904		P/O AN/ASN-30
TS-1867()/ASM-109 TS-1867/ASM-109	Computer Display Test Set	Measures and monitors signals used in bench testing of the computer-display set.	Huyck Systems Co 526-4-000	N-62-W-1898	XAV-526-1 080A	P/O AN/ASM-109 U/W AN/ASN-30
TS-1868()/ASM-109 TS-1868/ASM-109	Amplifier Test Set	Performs gain, distortion, noise, and current tests for specific AN/ASN-30 system amplifiers at a bench level.	Huyck Systems Co 526-7-000	N-62-W-1899	XAV-526-2 80	P/O AN/ASM-109
TS-1869()/ASM-115 TS-1869/ASM-115	Coordinate Data Test Set	Provides indicator lights, knobs, switches, etc needed to perform fault isolation and performance tests on the coordinate data set.	Grumman Aircraft 99903EE302	NW-62-133		P/O AN/ASM-115 U/W AN/ASQ-80
TS-1870()/GSM TS-1870/GSM	Relay Test Set	Measures voltage and frequency. Tests capabilities of over and under voltage relays in PU-515/GSW-4.	Boeing Co	WDD-62-4764	WS133	

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TS-1871/FPN	Spectrum Analyzer	100cps to 600kc ±10%. CRT type. Displays each frequency component as power versus frequency.	Proboscope Co LCA-1	N-62-ac-2097		
TS-1872()/ASA-48 TS-1872/ASA-48	Electron Tube Cooler Test Set	Used to test the bypass valve and the fluid flow system of the electron tube cooler. Substitutes the load of the klystron tube for the liquid cooler when shop testing the radar navigational set.	Ryan Electronics 500243-G1	NW-62-167		P/O OA-3741/ASA-48 U/W HD-334A/APN-122(V)
TS-1873()/ASA-48 TS-1873/ASA-48	Power Supply Test Set	Power dissipation: 250w nominal; frequency: 380 to 420cps; Z: 44kΩ. Provides required loads, test points and safety circuits for testing Power Supply PP-2060A/APN-122(V). Substitutes load of klystron tube during shop testing.	Ryan Electronics 500242-G1	NW-62-168		P/O OA-3741/ASA-48
TS-1874()/UDM-6	Radioactive Test Sample	Provides a calibration standard for IM-170()/PRD-60 on 0 to 2000cpm range, and for IM-154()/PRD-54 on the 0 to 1000cpm range.	Eberline Instrument	USA EMSA-62-455		P/O AN/UDM-6()
TS-1875()/UDM-6	Radioactive Test Sample	14,000cpm; 2400 years half-life. A calibration standard for radiacmeters on 0 to 10,000 or 20,000 range.	Eberline Instrument	USA EMSA-62-456		U/W IM-170()/PRD-60 IM-154()/PRD-54 AN/PRD-60()&54(
TS-1876()/UDM-6	Radioactive Test Sample	140,000cpm; 2400 years half life. A calibration standard for radiacmeters on 0 to 100,000 or 200,000 range.	Eberline Instrument	USA EMSA-62-457		P/O AN/UDM-6() U/W AN/PRD-54() AN/PRD-60()
TS-1877()/UDM-6	Radioactive Test Sample	Provides a calibration standard for radiacmeter on the 0 to 2,000,000cpm range.	Eberline Instrument	USA EMSA-62-458		P/O AN/UDM-6() U/W AN/PRD-60()
TS-1878()/GSM-82(V) TS-1878/GSM-82(V)	Alarm Set Test Set Tester	0 to 30vdc and 120/208vac (400cps). Used to maintain AN/GSM-59.	Boeing Co 25-36108	WDD-62-11804		P/O AN/GSM-82(V)
TS-1879()/GSM-82(V) TS-1879/GSM 82(V)	Missile-Launch Electrical Functions Simulator Test Set	Transistorized dc amplifier, amplifies signals from test item and activates "Record" indicator light. Used to maintain and test SM-245/GSM-62.	Boeing Co 25-36105-1	WDD-62-11805		P/O AN/GSM-82(V)
TS-1880()/GSM-82(V) TS-1880/GSM-82(V)	Tester Guidance Section Liquid Cooler Test Set	Provides means of continuity testing lamps and cables of the item under test (TTU-157/F37U).	Boeing Co 25-36264-1	WDD-62-11806		P/O AN/GSM-82(V)
TS-1881()/ASM-117	Gyroscope Test Set	Simulates input and indicates operating conditions of the directional gyroscope.	Consol Airborne Sys TG-62	NW-62-266		P/O AN/ASM-117() U/W CN-786/ASW-20
TS-1884()/APM-191 TS-1884/APM-191	Signal Data Converter Test Set	Tests for: circuit alignment, continuity, voltage and current, resistance, signal input and output.	Ryan Electronics 500172-G2	NW-62-469		P/O AN/APM-(191)
TS-1885()/APM-190 TS-1885/APM-190	Signal Data Converter Test Set	Simulates operating conditions for CV-891()/APN-129. 2.4kc AF. S/N: 30/10/6db. 2.4kc sinewave, 10μv to 10mv output. Permits precise testing and calibration of CV-891()/APN-129 and AM-2369()/APM-129.	Ryan Electronics 500098-G1	EMSA-62-494		P/O AN/APM-190
TS-1886()/GTM-4 TS-1886/GTM-4	Telephone Test Set	Progressive logic type test. Provides monitoring and control facilities for marker and transmission sections of switchboard.	North Electric Co 608178	WL-62-4646		P/O AN/GTM-4 U/W AN/FTC-27,28,29 AN/TTC-19,20
TS-1887()/FYM-1 TS-1887/FYM-1	Electronic Circuit Plug-In Unit Test Set	Provides: ±12vdc, ±15vdc, ±6vdc, +6.8vdc and -26vdc. Used in examining modules components. Includes items that test circuit cards. U/W electronic computers.	Internat'l Electric 4583644G1	WL-62-4748		P/O AN/FYM-1
TS-1888()/FYM-6 TS-1888/FYM-6	Power Supply Test Set	Supplies 12vdc and a load up to 22.5a. Used with electronic digital data power supply equipment.	Internat'l Electric 4583643G1	WL-62-4759		P/O AN/FYM-6
TS-1891()/USM-155 TS-1891/USM-155	Actuator and Arming Switch Test Set	Acceleration and timing tests. 3.5 to 5.5G and "go-no-go" 6 to 8sec test limits.	Northrop-Ventura 69200	EMSA-62-513		P/O AN/USM-155
TS-1892/APM-193	Electronic Switch Test Set	Develops a multivibrator wave form and feeds input voltages through switches to the unit test.	Magnavox Co 713082-801	NW-62-492		P/O AN/APM-193 U/W AN/APS-67 AN/PAQ-83 AN/APQ-94
TS-1895/ASN-42	Navigational Computer Test Set	Daily pre and post-flight inspections and trouble shooting to the component level on the AN/ASN-42 when sub-system installed in the aircraft.	Litton Systems Inc 222457	NW-62-561		P/O AN/ASN-42
TS-1896()/ASA-34 TS-1896/ASA-34	Recording Set Test Set	Tests electrical and electronic performance for AN/ASA-34.	J A Maurer Inc T-235-00-00-11	EMSA-62-526		U/W AN/ASA-34
TS-1897()/ASM-76 TS-1897/ASM-76	Console Test Bench	Simulates digital stimuli normally received from associated units when operated as component of AN/ASA-27. Contains semi-automatic features.	Grumman Aircraft 123SEAV10453	NW-62-578	MIL-T-21200B	P/O OA-3732/ASM-76
TS-1898()/ASM-76 TS-1898/ASM-76	Console Test Bench	Simulates analog stimuli normally received from associated units when operated as component of AN/ASM-27. Contains semi-automic features.	Grumman Aircraft 123SEAV10444	NW-62-585	MIL-T-21200B	P/O OA-3732/ASM-76
TS-1899()/ASM-76 TS-1899/ASM-76	Console Test Bench	Provides facilities for selection and relay of test data signals applicable to airborne replaceable assembly of AN/ASA-27 undergoing test.	Grumman Aircraft 123SEAV10454	NW-62-589		P/O OA-3732/ASM-76
TS-1900()/USM-175 TS-1900/USM-175	Conductivity Test Set	Provides voltage from self-contained patterns to the MX-4718/USM-175 and indicates conductivity of a solution indirectly by ohms.		NW-62-567	OP 1851	P/O AN/USM-175

NOMENCLATURE	ITEM NAME	TECHNICAL SPECIFICATIONS & FUNCTION	COMMERCIAL MFR & MODEL NUMBER	ORIG. AGENCY OR LAB	SPEC NUMBER	USED WITH OR PART OF
TS-1901()/ASA-48 TS-1901/ASA-48	Control Actuator Universal Test Fixture	Provides facilities for testing and indicating the force and stroke length of a feel, rudder, trim and two speed trim, electromechanical actuator assemblies.	Grumman Aircraft 123SEAV10874-1	NW-62-558		P/O AN/ASA-48
TS-1902/A	Intervalometer Test Set	Used for daily pre and post-flight inspections and trouble shooting to the component level on TD-441/A when the intervalometer is removed from aircraft.	Lockheed Electronics	NW-62-670		U/W TD-441/A
TS-1903()/TPS-25 TS-1903/TPS-25	Remote Switching Control Test Set	Continuity of indicator lights and alignment of switches. Internal battery source.	Hazeltine Electronics 0A387294	EMSA-62-679		P/O OA-3338A/TPS-25
TS-1904()/AJM-1 TS-1904/AJM-1	Aircraft Electronic Fuel System Test Set	Measures: 2 and 3 wire capacitance and substitution, insulation resistance. Ranges: 0 to infinity Ω. 0 to 1100μμf. Substitutions 10 to 100μμf.	Simmonds Precision 399000	EMSA-62-652		P/O AN/AJM-1
TS-1905()/UPM-125 TS-1905/UPM-125	Oscilloscope	50cps to 6Mc flat. Sweep speeds: 1 to 20μsec. Delay: 0 to 1800μsec. Vertical sensitivity: 0.05/0.1/0.2/0.5/1/2/5/10/20/div.		AEL-62-841		P/O AN/UPM-125
TS-1906()/APM-194 TS-1906/APM-194	Video Decoder Test Set	Interconnects KY-364/APX and TS-1253/OPM and SIF code generator and an external +28v power supply.	Admiral Corp P-AD477	NW-62-652		P/O AN/APM-194 U/W KY-364/APX
TS-1907()/APM-194 TS-1907/APM-194	Electronic Circuit Plug-In Unit Test Set	Enables checking of plug-in subassemblies of the KY-364/APX. Enables determination of whether sub-assemblies are within "go-no-go" limits.	Admiral Corp P-AD478	NW-62-653		P/O AN/APM-194 U/W KY-364/APX
TS-1908/UG	Teletype writer Test Set	Generates distorted or undistorted signals. Speeds: 45.45/50.00/56.8/75 baud and external to 1200 baud. Code: 7.0/7.5/8.0 unit. Message types: 80 character fixed, any two selected character, dot cycles. 0 to 49% distortion. ±1% accuracy for marking bias.		N-62-T-2673	CSY-3-FY62-10	P/O AN/UGM-5
TS-1909/SPG-51B	Fire Control System Test Set	Simulates 5 (pre-set) targets and delivers signals to Mark 118 Computer and simulated moving targets to AN/SPG-51B. Continuously indicates range, traverse and elevation error of Mark 74 Fire Control System.	Raytheon-Lexington 4462	NW-62-700		U/W AN/SPG-51B
TS-1910()/ASM-80 TS-1910/ASM-80	Flight Line Analyzer	Tests components of AN/ASW-12(V) at the flight line when used with other components of AN/ASM-80.	Sperry Phoenix Co 2586175	EMSA-62-589		P/O AN/ASM-80
TS-1911()/ASM-80 TS-1911/ASM-80	Flight Line Analyzer Self-Tester	Tests components of Flight Line Analyzer AN/ASM-80 at the flight line.	Sperry Phoenix Co 2586036	EMSA-62-624		P/O AN/ASM-80
TS-1912()/ASW-12(V) TS-1912/ASW-12(V)	Directional Control Panel Test Set	Supplies voltages to energize SB-1453/ASW-12 and monitors output signals from the unit for bench test.	Sperry Phoenix Co 258676A	EMSA-62-523		U/W AN/ASW-12(V)
TS-1913/SRC-16	Radio Test Set	Provides 1 of 2 tones for LSB and USB during the test-tone xmitter-receiver frequency-locking check. 1 of 2 tones for LSB, USB or both sidebands during system level checks, and 2 tones on LSB or USB to measure level below a tone of 400, 500cps F1 and F2 intermodulation products and 2nd harmonic of F1 tone.	Collins Radio 522-2977-005	N-62-Y-2777	SHIPS-C-3995A	P/O OA-4622/SRX-16
TS-1914()/FPS-35 TS-1914/FPS-35	Receiver Test Set	Measures receiver sensitivity. Coded pulse generator, CW or FM center frequency range: 425 to 450Mc, 10mw.	Sperry Gyroscope Co 1022562	WL-62-5852		P/O AN/FPS-35
TS-1915()/FPT-9 TS-1915/FPT-9	Electron Tube Test Set	Measures gas content of Varian VA842. Meter: ma, dc, mm, Hg, VA, dc, v, dc.	Continental Elec Mfg J-48240	WL-62-6059		P/O AN/FPT-9
TS-1916/UPM-84A	Spectrum Analyzer	10Mc to 63.680kMc in 10 bands. Receives: AM, FM, CW pulse and noise modulated RF. Video or CRT display.		AEL-62-922	MIL-S-4469A	P/O AN/UPM-84A
TS-1917()/ASM-128 TS-1917/ASM-128	Function Analyzer Test Set	Performs testing of Digital Data Communications Set AN/ASW-21&() to a component level.	Radio Corp of Amer 8326828-501	NW-63-11		P/O AN/ASM-128
TS-1918()/ASM-98A TS-1918/ASM-98A	Flight Line Data Link Test Set	Performs flight line "go-no-go" evaluation test of Digital Data Communications Set AN/ASW-21 and Radio Set AN/ARC-75 while they are installed in aircraft.	Radio Corp of Amer 8325863-502	NW-63-25		P/O AN/ASM-98A
TS-1919()/ASM-129	Attitude Indicator Test Set	Provides means of performing functional bench tests on Attitude Remote Indicator ID-1000()/ASN.	Lear Inc LT-3164	EMSA-63-25		P/O AN/ASM-129
TS-1920()/UCC-1(V) TS-1920/UCC-1(V)	Telegraph Test Set	Provides the following test facilities: tone level and loop current measurement, reversal generator, receive phase distortion measurement, audible signal tracer.	Stelma Inc 5343/4	N-63-Y-103	MIL-C-23361 (SHIPS)	U/W AN/UCC-1(V)
TS-1921()/U	Spectrum Analyzer	50 kc to 25Mc ±5%; indicator data meter: 0 to 10 ±1db; input Z: 90Ω. For measurement of power components of a complex video waveform. Display output available for use with external standard oscilloscope such as Tektronic Model 535,545,515 or equal.	Scope Inc	N-63-X-109		
TS-1922()/DJM-19 TS-1922/DJM-19	Ignition Test Set	Used to check electrical continuity of the ignition system.	Temco Electronics 322-61030-1	AEL-63-27		P/O AN/DJM-19
TS-1923/SSM-4	Electronic Circuit Plug-In-Unit Test Set	Contains operational controls necessary to perform tests of circuit cards. Power requirement: 115v, 50 to 400cps, single phase.	Collins Radio 522-5230-005	N-63-X-78		P/O AN/SSM-4
TS-1924()/ASM-130	Engine Performance Test Set	Provides simulated loads, signals, switching facilities and meters. Interposed between various sensors and instrument modules of Engine Performance Indicatior Set A/A37J-2 in order to isolate a malfunctioning unit.	GE-Lynn 8363K82G700	NW-63-81		P/O AN/ASM-130

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TS-1925()/DRM-17 TS-1925/DRM-17	Missile Guidance Test Set	7500 to 9600Mc; 8 fixed frequencies for rate and pulse signal output; internal modulation. Generates RF signals to test the radio receiver transmitter of the airborne guidance subsystem and measures return signals to check the airborne subsystem.	GE-Syracuse E4890118701	WDD-63-10160		P/O AN/DRM-17
TS-1926()/DRM TS-1926/DRM	Electron Tube Test Set	Provides facilities to check the klystron stalo assembly and magnetron used in the pulse beacon. Also tests pulse modulation of units under test.	GE-Syracuse	WDD-63-10167		P/O AN/DRM-18
TS-1927/ASM-131	Data Link Test Set	Determines to "black box" level a malfunction in message computer or data link adapter of F4H-1 Aircraft, equipped with the AN/ASW-21 Data Link. U/W AN/ASM-98 Data Line Flight Line Test Set which simulates input signals to aircraft's data line terminal.	Mc Donnel Aircraft	NW-63-92	MIL-T-21200C	P/O AN/ASM-131
TS-1928/ASM-132	True Airspeed Module Test Set	Determines if true air speed computers are in tolerance and if black box computer subassemblies are operating satisfactorily. Utilizes preset voltage dividers, power resistors and a phase sensitive voltmeter (10 to 0 to 10mv range).	Servomechanisms Inc 816424	NW-63-107		P/O AN/ASM-132
TS-1929/ASM-133	True Airspeed Test Set	Compares true airspeed synchro output against computer tolerance limits and measures aircraft temperature probe and true airspeed potentiometer output.	Servomechanisms Inc 817306	NW-63-109		P/O AN/ASM-133
TS-1930/ASM-82A	Digital and Module Test Set	Used in conjunction with Computer Test Set TS-1785A/ASM-82 for complete maintenance, test, isolation of malfunctions, simulation of inputs, monitoring of functions and accuracy checks of the CADC Part Number 510976-1-1 and its modules.	Airesearch Mfg Co 272351-1-1	NW-63-77	MIL-T-21200C	P/O AN/ASM-82A U/W AN/PSM-15
TS-1931/FQQ-9 (V)	Submarine Cable Fault Locator	Provides facilities for locating a broken or damaged point in the submarine cable which connects the hydrophone to above terminal.	Western Electric Co GS 66565	N-63-n-137		P/O OA-2928(V) FQQ-9(V)
TS-1932/FQQ-9 (V)	Submarine Cable Fault Locator	Same description as TS-1931/FQQ-9(V) except that hydrophone connects to shore terminal.	Western Electric Co GS 66565 L2	N-63-138		P/O OA-2928(V) FQQ-9(V)
TS-1933/UP	Syncro Test Set	Provides quick and safe means to align the one speed and 36 speed syncros of the remote radar indicators.		N-63-T-189	CSY-3-FY63-14	U/W AN/MPS-16() AN/UPA-25()
TS-1934()/ASM-134 TS-1934/ASM-134	Optical Sight Test Set	Provides for test and alignment of the MX-3146/A.	Grumman Aircraft 128SEAV14020-1	NW-63-147		P/O AN/ASM-134
TS-1935()/ASW-20 TS-1935/ASW-20	Shipboard Landing Assist Device Test Set	Self contained unit, except for power, designed to perform all required tests for C level maintenance of SLAD equipment.	Gyrodyne Co of Amer Y63-315880-276	NW-63-122		P/O AN/ASW-20
TS-1936()/ASW-20 TS-1936/ASW-20	Landing Assist Device Test Set	Self contained unit, except for power, designed to perform all required tests for C level maintenance of LAD equipment.	Gyrodyne Co of Amer Y63-315880-367	NW-63-123		
TS-1937()/ASM-135	Radio Frequency Power-Voltage Test Set	ac voltmeter: 0 to 1500v; dc voltmeter: 0 to 1500v; RF power meter: 0.01 to 8w. Provides line or shop maintenance inspections and assists in isolation of malfunctions in aircraft replaceable assembly of the AN/ASQ-57 and 58 Integrated Electronic Central.	Inst for Industries 1335-100E4	NW-63-111		P/O AN/ASM-135
TS-1938()/ASM-136 TS-1938/ASM-136	Lead Computing Optical Sight Test Set	Provides power, control and simulated signals as well as test leads and cables for bench testing static angle, dynamic response, rate of deflection and voltage and current measurements of MX-3146A/A.	Chicago Aerial Indust 6162-100	NW-63-159		P/O AN/ASM-136
TS-1939()/PDR-61 TS-1939/PDR-61	Radioactive Test Sample	Radium 226 yields 0.015r/hour of X-radiation for calibration of Radiacmeter IM-182/PDR-61&().	Capehart Corp 490-020	WL-63-1769		P/O AN/PDR-61
TS-1942()/AGM-1 TS-1942/AGM-1	Teletype writer Test Set	Measures 0 to 150vac, 0 to 50vdc and 0 to 100ma(dc) and determines condition of TT-264/AG including its line sensor, motor, power supply and magnetic selector. Provides applique unit: 60/75/100 words/minute.	Mite Corp	NW-63-188		P/O AN/AGM-1
TS-1943/AMS-23	Radio Test Set	Performs pre-flight test via radio link on an installed airborne integrated electronic central including communication (225 to 399.9Mc) navigation (962 to 1213Mc) and IFF (1007.5 to 1032.5Mc) equipment.	Packard-Bell 132277	NW-63-139		P/O AN/ASM-23
TS-1944/SRM-13	Electronic Circuit Plug-In Unit Test Set	Provides testing facilities for the AN/SRC-16 Radio Frequency Wand FSK Oscillator Modules. Contains "memory lights" for switching modules. Testing is closed loop.	Collins Radio 522-3301-00	N-63-X-306		P/O AN/SRM-13
TS-1945/SRM-14	Electronic Circuit Plug-In Unit Test Set	Provides testing facilities for the AN/SRC-16 audio power and switching modules. Contains "memory lights" for switching modules. Tests are closed loop.	Collins Radio 522-3302-00	N-63-X-308		P/O AN/SRM-14
TS-1946()/UYK-2 TS-1946/UYK-2	Electronic Circuit Plug-In Unit Test Set	When installed in the Digital Computer Group OA-4825/UYK-2, this performs functional tests on some of the modules used in Test System-Weapon Analyzer AN/USM-176(V).	Hughes Aircraft Co 419018-100	AEL-63-118		U/W OA-4825/UYK-2
TS-1947()/DPM-7 TS-1947/DPM-7	Servo Test Set	Provides commands for operational testing of SP III Missile Guidance Sets AN/DPN-24, 51 and 72. Tests accelerometers and gyros and monitors radar signals.	Raytheon-Waltham 50385-8005	NW-63-226		P/O AN/DPM-7
TS-1948()/ASM-75 TS-1948/ASM-75	Electronic Circuit Plug-In Unit Test Set	Contains switches, connectors, loading circuits and supports for various oscillators, IF and audio detector modules. These facilitate testing done by the AN/ASM-75.	Electronic Commun 03-00926	AEL-63-90		U/W AN/ASM-75

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TS-1950/ALM-42	Cooler and Control Indicator Test Set	Contains meters, loads, fault functions simulating devices to test Liquid Cooler HD-480 and Control Indicator C-3774. Indicates minimum acceptable flow.	Litton Systems Inc 51547	NW-63-218		P/O AN/ALM-42
TS-1951/ALM-43	Transmitter Modules Test Set	Tests the transmitter modulator and frequency control, the cathode and accelerator regulator, the sole and grid regulator and the filament supply and modulation output modules of the AN/ALT-21.	Litton Systems Inc 51546	NW-63-220		P/O AN/ALM-43
TS-1952/ALM-44	Electron Tube Test Set	Tests for shorts, emission, dynamic mutual conductance of various tubes used in AN/ALT-10 and 21. Supplies 6.3vac at 150ma to 10.5a. Requires 400cps.	Litton Systems Inc 51544	NW-63-222		P/O AN/ALM-44
TS-1953/ALM-45	High Voltage Test Set	Tests the AN/ALT-19 on 21 cathode regulator (2.3 to 4.0kv), sole regulator (0 to 5kv), carcinotron filament voltage (63v at 2a) and beam current (200 to 300ma). Also checks AM or FM modulation.	Litton Systems Inc 51545	NW-63-224		P/O AN/ALM-45
TS-1954()/ARC-102	Voltage Divider	Used for test purposes.	Collins Radio 548-3525-002	EMSA-63-111		P/O MK-722()/ARC-102
TS-1955()/ARC-102	Voltage Divider	Used for test purposes.	Collins Radio CPN-548-3528-002	EMSA-63-112		P/O MK-722()/ARC-102
TS-1956()/ARC-102	Radio Test Set	Performs calibration and test functions in module and system testing.	Collins Radio CPN-549-0652-00	EMSA-63-118		P/O MK-722()/ARC-102
TS-1958()/ALM-46 TS-1958/ALM-46	Spectrum Analyzer	45Mc to 1kMc, 1.9 to 4.1kMc all ±0.06%. Indicates 0.01mw to 10w full scale with ±1.0db accuracy on meter. Has 50Ω input Z. U/W auxilliary oscilloscope for amplitude vs frequency display.	PRD Electronics 32933	AEL-63-136		P/O AN/ALM-46
TS-1959()/DSM TS-1959/DSM	Ignition Test Set	Provides the capability of monitoring payload disconnections of flight test vehicle. Rack and panel mounted.	Temco Electronics 322-61060-1	AEL-63-133		P/O AN/DJM-21
TS-1960()/ACC-2 TS-1960/ACC-2	Multiplexer Test Set	VF measure; channel multiplexer test: 0, -4, -16dbm (1kc tone); channel demultiplexer test: -12dbm per sideband of multiplexed 1kc tone. Output Z: J3 135Ω (SI: channel demultiplexer line-up), 600Ω (SI: VF level measure and channel multiplexer test), 75Ω (SI: group demultiplexer line-up).	Lenkurt Electric Co 790-03056-02	AEL-63-144		P/O OA-4473/ACC-2
TS-1961()/FST-2 TS-1961/FST-2	Resistance Indicating Thermometer Test Set	Checks air-flow of AN/FST-2 bays for correct temperature and supplies moisture to the air so that the flow-rate of air is proportional to the bay's power dissipation.	Burroughs-Detroit DRC 87572	CRC-63-42		P/O AN/FST-2()
TS-1962()/ARC-51X	Radio Test Set	Provides "go-no-go" indication for external circuits associated with the AN/ARC-51X, adequacy of aircraft power source, and VSWR. For bench alignment, service, and performance tests.	Collins Radio 553-9707-00	EMSA-63-593		P/O MK-731()/ARC-51X
TS-1963()/ASM-137	Battery Analyzer-Charger	Analyzes battery by discharging it to 90% of its rating and giving "no-go" indication if voltage drops too quickly, "go" indication if not. Charges battery at 30v and 25a. For Nickle-Cadmium Batteries BB-432/A, 433/A and 434/A.	Sonotone Corp PCA-131	EMSA-63-185		P/O ASM-137
TS-1964()/GSQ	Electronic Circuit Plug-In Unit Test Set	Tests the standard digital element cards used in the radar tracking station and in the missile integration terminal equipment. Utilizes power supply and 50kc clock pulse generator and tuned amplifier to simulate marginal operating conditions. Outputs must be observed on oscilloscope for waveform evaluation.	Hughes Aircraft Co X509973-100	EMSA-63-33		U/W OA-2952()/GSQ AN/GSA-37
TS-1965()/URM TS-1965/URM	Missile Guidance Test Set Pitch And Yaw Calibrator	Output: 20vdc rate proportional square wave 400cps, 2 outputs 0 to 20vdc pulse proportional square wave 400cps, 0 or 90°, 0 or -90°. Simulates pitch and yaw signals received by AN/URM-142 or AN/URM-147 from Airborne Decoders.	GE- Syracuse 48-E900118	WDD-63-10169		U/W AN/URM-142 AN/URM-147
TS-1966()/URM TS-1966/URM	Pressurization Test Set	Used for testing of airborne cannistors and waveguides of AGE equipment used in Gemini program.	GE-Syracuse 48E 900121G1	WDD-63-10180		U/W AN/URM-147
TS-1967()/AR	Radio Test Set	Bench tests AN/ARC-54 and AN/ARR-49.	Collins Radio 522-6247-00	EMSA-63-39		P/O MK-733()/AR
TS-1968()/ASB TS-1968/ASB	Periscope Test Set	Performance and maintenance tests on SU-1/ASB-7 and MX-1295/ASB-1A Periscopes. Tests mechanical and electrical operation of various servo systems.	Norden Labs 58A122D2400	NW-63-356		U/W SU-1/ASB-7 MX-1295/ASB-1A
TS-1969()/ASM-138 TS-1969/ASM-138	Gyroscope Test Set	Used with a reference gyroscope to perform functional tests on CN-502/ASB-7 Gyroscopes.	Norden Labs 58A122H2601	NW-63-358		P/O AN/ASM-138 U/W CN-502/ASB-7
TS-1971()/TDM-2 TS-1971/TDM-2	Radiac Calibrator	Data: calculated beam intensity; source size: 10.1 curies, range: 10 R/hour; size: 4.3 curies, range: 4R/hour; size: 1.01 curies, range: 1R/hour. Surface deviation less than 1%. Has rated gamma source of cesium 137 giving vertically polarized beam for a standard check. Contains lead and steel shielding.	Aerojet General Corp 425491	EMSA-63-30		P/O AN/TDM-2
TS-1972()/TDM-2 TS-1972/TDM-2	Radiac Calibrator	Data calculated beam intensity; source size: 403 curies, range: 300R/hour; size: 201.5 curies, range: 200R/hour; size: 40.3 curies, range: 40R/hour: surface deviation less than ±1%. Has rated gamma source of cesium 137 giving vertically polarized beam for a standard check. Lead and steel shielding furnished.	Aerojet General Corp 425677	EMSA-63-29		P/O AN/TDM-2
TS-1977()/ASM-139 TS-1977/ASM-139	Indicator And Computer Test Set	Provides simulated load and signals, switching facilities and indicators for checking out and recalibrating sub and main assemblies of A-A37J-2.	General Electric 8363K88G700	NW-63-371	MIL-T-21200	P/O AN/ASM-139
TS-1983()/ASM-126	Propellor Synchrophaser Test Set	Used to test, align and aid in repair of SN-324/AJA.	Grumman Aircraft 1134SEAV2001	EMSA-63-203		P/O AN/ASM-126

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TS-1985/ASM-143	Data Link Test Set	Provides continuity tests and whether or not bleeder resistors are present. Digital transmission and voltage logic level converting circuits, digital to analog converters, pulse duration all tested. 3 wire angle indicator provided for analog output signals from 0 to 360°. Other tests also included.	Mc Donnel Aircraft A05G0027	NW-63-410	MIL-T-21200C	P/O AN/ASM-143
TS-1987/ASN-42	Gyroscope Test Set	Determines and sets gyro bias of AN/ASN-42 at the flight line level.	Litton Systems Inc 223527	NW-63-422	MIL-T-21200B	U/W AN/ASN-42
TS-1988()/ASM-141 TS-1988/ASM-141	Altitude Control Test Set	Determines functional operation of altitude control 0.01 to 300v in 10 steps. Performs calibration procedures and accuracy test on C-4748/ASN-20.	Kollsman Inst Corp 18-0001-00360	NW-63-428		P/O AN/ASM-141
TS-1990/DRM-19	Radio Test Set	Provides means of testing, trouble shooting, aligning individual subassemblies of AN/ARW-29.		NW-63-430		P/O AN/DRM-19 U/W AN/DRW-29
TS-5001()/U TS-5001/U	Antenna Test Set	Detects insulation punctures in antiprecipitation static aircraft antenna systems. Signal bell alarm. Tests product for puncture location.	Technical Enterprises AT-600-C	CANADA RCAF-27		U/W WS-5C/U WS-25/U
TS-5003()/U TS-5003/U	Audio Test Set	Telephone test equipment to test carbon and dynamic microphones and headsets, "go-no-go" visual and aural indicator.		CANADA RCAF-207		
TS-5004()/U TS-5004/U	Relay Test Set	Measures coil current of ac relays, measures coil resistance and operating and release times.	Marconi Co 304-816	CANADA RCAF-256	RCAF-RAD-70-25	U/W AN,ISG-98
TS-5006()/U	Transistor Test Set	Tests all types of transistors. Identifies burnt out transistors. Identifies transistor type (MPN, PNP), measures leakage current, voltage breakdown and shorts.	Valor Instruments Inc Model 60	CA-369		
TS-5007()/APN-501	Electrical Test Panel	"Go-no-go" readout and microammeter. Fused.	Canadian-Marconi Co 320-690	RCAF 828	RCAF RAD-100-40	P/O AN/APN-501
TS-5008/U	Audio Test Set	Audio signal generator; 20cps to 20kc, in 3 ranges; 5w maximum power output. Input and output level meters. Used to modulate signal generators or as signal power source for transmission measurements.	Stark Elec Inst Ltd	RCAF 1088		
TS-5009/MRC-505	Radio Test Set	Provides a signal for loop performance test of a transmitter and a receiver.	Canadian Westinghouse 327A198/1	RCAF #1181		P/O AN/MRC-505
TS-5010/MRC 505	Telegraph Test Set	Measures dc loop currents for the telegraph carrier system.	Lenkurt (Canada) Ltd 2335A	RCAF #2046		P/O AN/MRC-505
TS-5011/GPM-503	Transponder Set Test Set	Tests operation and checks the function of Coder-Decoder Group AN/GPA-50 by simulating performance of an airborne transponder.	Emi Ltd 49-620 to 624	RCAF #1216	MIL-T-9575	P/O AN/GPM-503 U/W AN/GPA-501
TS-5022/ASG-501	Digital Voltmeter	Measures absolute ac and dc voltages up to 100v and also ac and dc signal ratios associated with special test equipment. Sampling type.	Canadian GE Co	RCAF-1545		U/W AN/ASG-501 TS-5013;TS-5016 TS-5017;TS-5018
TS-5023/GRM-501	Radio Set Test Bench	Provides a working area and testing facilities for ground radio equipments by substitution of components of equipment under test.		RCAF-1311		P/O AN/GRM-501 U/W AN/GRR-7 AN/GRT-3 AN/GRC-27
TS-5026/APN-501	Radar Test Set	Provides audio doppler spectrum for performance checks on the comparator.	Marconi Co CMC-433-400	RCAF #1372		U/W AN/APN-501
TS-5027/APN-501	Spectrum Analyzer	Range: 100c to 25kc. Designed to analyze the constituents of the input of audio equipment.	Marconi Co CMC-433-425	RCAF #1373		P/O AN/APN-501
TS-5028/ARM-501	Radio Test Set	Provides distance and bearing information for testing airborne TACAN installations.	G & E Bradley Ltd E.7124	RCAF #1478		P/O AN/ARM-501
TS-5029/WQM-501	Sonar Test Set	Tests operational efficiency of sonar transmitters and receivers.	Edo Ltd 90159	CAMESA-208		P/O AN/WQM-501
TS-5030/ARM-503	Radio Test Set	220kc to 44Mc, calibrated at 10Mc intervals. Internal modulation: 30% at 400cps. Measures: receiver AVC voltage, sensitivity, transmitter output power, reflected power, amplified gain, modulation level.	Northern Electric Co 677B-1	RCAF #62-1717		P/O AN/ARM-503 U/W AN/ARC-552 AN/ARC-552A AN/ARC-504
TS-5031/ARM-504 (V)	Radio Test Set	"Go-no-go" checks of all control units of AN/ARC-522 and -522A. Has red and green lights and decimal readout of control positions by dekatron tubes.	Northern Electric Co 313C-1	RCAF #62-1722		P/O AN/ARM-504(V)
TS-5033/U	Radio Test Set	An electronic voltmeter which provides a metered reading of the peak power of a DMET or TACAN transmitter. Range: 1025 to 1150Mc.	Std Tel & Cable Ltd TDS-1134A	RCAF #1546		U/W AN/ARN-501 AN/ARN-21
TS-5035/SRA-501	Radio Frequency Power Test Set	Measures peak power: 0 to .3kw, 0.02 to 0.4kw, 1.8 to 2.0kw. 225 to 400Mc 50Ω. 2kw max input.	Sinclair Radio Co D-AD-481	RCN-261		P/O AN/SRA-501
TS-5037/TSM-501	Transmission Line Test Set	Used for baseband testing on multi-channel radio and line transmission equipment; measures transmission loss and gain on lines, networks, and modulation frequency stages.	Marconi Inst Ltd TF-1267 less accessories	CA-433		P/O AN/TSM-501
TS-5038/SSM-501	Servo Test Set	A high accuracy direct reading tester for calibration (normalization of plotting tables). Range: 0 to 1000cps; operating power: 120vac, 400cps, single phase.	Marsland Eng Ltd M-141, SHT-1 to 4	RCN-62-387		P/O AN/SSM-501
TS-5039/APX-46 (V)	Transponder Set Test Set	Provides primary power, controls, connections for input and output coaxial cables; checks major test points of the AN/APX-46(V).	Hazeltine Electronics	RCAF-1706		U/W AN/APX-46(V)
TS-5040/APM	Receiver Test Set	Receiver components are mounted on front panel and signals are applied to unit from the radar signal simulator test set and the pulse generator.	Canadian Westinghouse 44537-305	RCAF-1673		U/W AN/APM-507 AN/APM-506

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TS-5041()/U TS-5041/U	Telephone Test Set	For identification of cable. Provides 500cps tone warbled at 7 cycle rate.	Northern Electric Co 76C	CA-62-534		
TS-5042/ARM-504 (V)	Electronic Plug-In Unit Test Set	Provides circuit and switching facilities to test interphone amplifier modules using a separate audio oscillator and VTVM.	Collins Radio 678D-1	RCAF-62-1766		U/W AN/ARC-552A AN/ARM-504(V)
TS-5043/ARM-505	Radio Test Set	Type of tests: audio level measurement, AVC test output R/T power testing, voltage and current checking.	Collins Radio 522-2503-00 (678Q-1)	RCAF-62-1771		P/O AN/ARM-505 U/W AN/ARC-504
TS-5044/URM-502	Radio Frequency Power Test Set	Measures forward and reflected power of transmitter in the range of 100 to 400Mc. 250w input. 50Ω.	Bayly Engineering Ltd W250 NF	RCN-62-378		P/O AN/URM-502
TS-5045()/U TS-5045/U	Test Adapter	Permits voltage measurements (10 to 14 and 22 to 30vdc) with a multimeter, used as a calibrator for low dc voltage ranges of multimeter.		CA-62-599	DEME-MTS-E120	
TS-5046()/MPQ-501	Radar Test Set	Provides power and stimuli for the testing and repair of specified radar chassis.		CA-62-611		U/W AN/MPQ-501
TS-5047()/MPQ-501	Computer Test Set	Provides power and stimuli for testing and repair of the 4 major computer assemblies. Functional tests of scaled pattern servo amplifiers and partial tests of unsealed servo amplifiers.		CA-62-610		U/W AN/MPQ-501
TS-5048()/MPQ-501	Antenna Alignment Test Set	Accurately aligns the radar beam and data transmission system.		CA-62-609		
TS-5049/U	Transistor Test Set	Indicates beta and Ico. Beta: 0 to 120 and Ico: 0 to 500μa. Internal battery source.	Sierra Electric Co 219B	CA-62-627		

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TV-1()/U TV-1/U	Cathode Ray Tube Tester	Performs all JAN required tests except interelectrode capacitance and mechanical measurements on any CRT.	Rowe Radio Corp	AAF ARL-47-241		
TV-2()/U TV-2/U	Electron Tube Test Set	Receiving, low power transmitting, subminiature tubes and miniature base pilot lamps. Dynamic gm type with emission test. Meter indication: filiment volts (0.625 to 117v), ac, signal level ac, % quality with bogie showing 100%, screen volts dc, bias volts dc, plate volts dc.	Triplett Electrical CBS Columbia Inc	USA SCIE-4580	MIL-T-10441A (SigC)	P/O AN/GPM-1
TV-2A/U	Electron Tube Test Set	Same description as TV-2/U.		SCLM-1370	MIL-T-10441B	
TV-2C/U	Electron Tube Test Set	Same description as TV-2/U.	Designers For Indust	SIMSA-61-158	MIL-T-10441B	
TV-3()/U TV-3/U	Tube Tester	All receiving and low power tubes. Dynamic gm type. Meter: 0 to 3000/6000/15,000/30,000μmhos, 0 to 4/10/40/100/400/1000v(ac and dc), 0 to 1/10/40/100/400ma(dc), 0 to 1k/10k/100k/1M/10M/100MΩ, 0 to 0.1/1.0/10/120μf. Also provides multitester facilities (1kΩ/v).	Hickok Electrical Inst	USN	RE 13A 811B (NAVY)	
TV-3A/U	Electron Tube Test Set	Same description as TV-3/U.	Hickok Electrical Inst 901-099	USN	CS-1182	
TV-3B/U	Tube Tester	Same description as TV-3/U.	Hickok Electrical Inst 901-132	USN	MIL-T-15563A (SHIPS)	
TV-3C/U	Tube Tester	Same description as TV-3/U.	Jetronic Industries NAV-110	USA USN	MIL-T-15563C (SHIPS)	
TV-4()/U TV-4/U	Tube Tester	Receiving tubes. Emission type with capacitance meter. Tests filament continuity, shorted and open elements and measures capacitance (0.001 to 100mf). Meter calibrated directly for 60cps with conversion chart for other frequencies. Accommodates acorn tubes.	Weston Electrical Inst 685	USN	CS-838 (NAVY)	P/O AN/USM-3
TV-4A/U	Tube Tester	Same description as TV-4/U. Improved design.				
TV-5()/U TV-5/U	Tube Tester	Electrometer tubes. Transconductance or emission type. Can perform in-circuit tests. Basically for filament voltages of 1.25v. U/W AN/PDR-2 and AN/PDR-5.	Weston Electrical Inst Radio Frequency Labs HD-2317	USA USN	MIL-T 15559A (SHIPS)	P/O AN/USM-3A
TV-6()/U TV-6/U	Electron Tube Test Set	Subminiature electrometer tubes. Bridge type to measure tube parameters. Meter: voltage (plate, grid, filament and line), plate current (μamps), grid currents (0.1mμamps), and bridge null. Self contained battery power supply. Has high MΩ resistance bridge.		USN		
TV-7()/U TV-7/U	Electron Tube Test Set	Receiving and low power xmitting tubes. Dynamic gm type. Meter: 0 to 120 arbitrary tube condition scale. Replacement for I-177-() except where high precision TV-2()/U is required.	Kelley-Koett Mfg Co Bendix Aviation 602	USA SCIE-4517		
TV-7A/U	Electron Tube Test Set	Same description as TV-7/U.	Hickok Electrical Inst 901-170	USA SCLE-9620	MIL-T-12424 (SigC)	
TV-7B/U	Electron Tube Test Set	Same description as TV-7/U.	Sylvania Products	USA SCLM-7489	MIL-T-12424A	
TV-7C/U	Electron Tube Test Set	Same description as TV-7/U.	Forway Industries Co	USA SCLM-1235	MIL-T 12424A	
TV-8()/USM-31 TV-8/USM-31	Electron Tube Test Set	Dynamic gm type. Meter indications: μmhos, grid current, element current, control grid voltage, heater voltage and element voltage. Similar to Navy type CV-60031.	Stark Elec Inst Ltd	CANADA CA-288	DE&CD OS-230	
			Weston Electrical Inst	USA USN	SHIPS-A-331	P/O AN/USM-31
TV-9()/USM-23 TV-9/USM-23	Electron Tube Test Set	Dynamic tests: gamma response, gamma sensitivity and plateau tests on counter tubes, operating voltage and regulation tests on corona regulator tubes. Meter indicates: "Bad-Good-Bad". Readings may be converted to give gamma response in counts/sec, and gamma sensitivity in volts.	Electronics Prod Co	USA USN	MIL-T-16213	P/O AN/USM-23
TV-10/U	Electron Tube Test Set	Dynamic gm type for amplifier tubes and emission for rectifier tubes. Numerical values can be used in conjunction with roller chart. Meter ranges: 0 to 3000/6000/15,000/30,000μmhos.	Forway Industries Co	USN	SHIPS-T-1856	
TV-10A/U	Electron Tube Test Set	Same description as TV-10/U.	JH Kenney & Co Hickok Electrical Inst 901-186	USN-57-X-1303	SHIPS-T-2219	
TV-10B/U	Electron Tube Test Set	Same description as TV-10/U.	Centronix Inc	USN-59-X-1167		
TV-10C/U	Electron Tube Test Set	Same description as TV-10/U.	Forway Industries Co	USN-59-X-2002	MIL-T-15563D (SHIPS)	
TV-10D/U	Electron Tube Test Set	Receiving and low power xmitting tubes. Dynamic gm type. Meter: 3000/6000/15,000/30,000μmhos. Emission tests provided for rectifier tubes and diodes. Also short tests, gas tests for amplifier tubes, operationsl tests for indicator tubes, and ballast tube tests. Panel differs from other TV-10 units.	Western Reserve Elec	N-61-X-2584		
TV-11()/FSQ TV-11/FSQ	Electron Tube Test Set	A semi-automatic set that performs dc static tests of all AN/FSQ-7 tube types (except display 8 CRT tubes) and pulse tests the 2420 tube type.		CRC-56-191		P/O AN/FSQ-7 AN/FSQ-8

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TV-12()/U TV-12/U	Image Converter Tube Test Set	Tests the following: cathode and screen quality, focusing voltage, conversion index, cathode sensitivity, dark current, background brightness at zero cathode illumination, screen efficiency, off-axis displacement, resolution at any point in field, magnification, image distortion, threshold sensitivity. Accommodates: V12, IC-6-2, Ic-16-3, 6032.		ORDBA-0020		
TV-13/U	Electron Tube Test Set	Klystron type tubes. Emission type. Meter indicates: ma, dc, v, ac and dc. Has reflector current relay to prevent accidental misadjustment and heavy duty blower for forced air cooling of tubes.	Polarad Electronics K-100	ORDBA-0045		
TV-13A/U	Electron Tube Test Set	Microwave oscillator tubes (including klystrons). Emission type. Meter indicates: grid and reflector voltages, beam voltages, ma, filament voltages. Can test 40 more tubes than TV-13/U.	Polarad Electronics K-200	SIMSA-61-150		U/W AN/MPC-4A
TV-14()/U	Transistor Test Set	All known (1960) transistors and diodes. Tests for: dc breakdown voltage and dc beta, h_{fb} and ac beta, current transfer ratio. "Go-no-go" green and red lights. Sequence established by punched program cards. Provisions for self checking.		ORDBA-0304		P/O AN/USM-136()
TV-15()/FPT TV-15/FPT	Electron Tube Test Set	Eimac X-662 and Varian VA842 klystron tubes. Measures gas content. Meter: ma, dc, v, ac and dc, tube vacuum.	Continental Elec Mfg 29371E	WL-60-4377		P/O AN/FPT-7 AN/FPT-8
TV-17/U	Electron Tube Test Set	Tube, transistor and diode tester. Dynamic gm type. Meter indicates: gm (0 to 3000/6000/15,000 μmhos). Roll chart.	Hickok Electrical Inst 6000	N-61-T-666		U/W OA-3359/TPS-31 OA-3366/TPS-31
TV-18()/ALM-41 TV-18/ALM-41	Electron Tube Test Set	Tubes (high level amplifiers) of AN/ALQ-55. Emission type. Meter indicates: ma.	Sanders Associates 3100041	NW-62-376		P/O AN/ALM-41

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ZM-1()/U ZM-1/U	Ohmmeter	0 to 200MΩ. Measures insulation resistance; test voltage: 500v ±5%.	Radio Frequency Labs	USN	CS-527	
ZM-1A/U	Ohmmeter	Same as ZM-1/U, except JAN parts used 45μa max current.	Elec Eng & Service Co 1200	USA USN	MIL-O-1709 (SHIPS)	
ZM-1B/U	Ohmmeter	Same description as ZM-1A/U.	Jetronic Industries	USA USN	MIL-O-16485A (SHIPS)	
ZM-2()/U ZM-2/U	Radio Frequency Ohmmeter	0 to 100Ω at 17.5 to 50Mc, may be used to measure RF resistance of quartz crystals at series resonance.	August E.Miller Labs	USN USMC		
ZM-3()/U ZM-3/U	Analyzer	Test capacitors. Ranges: dc leakage 1 to 600v. Indicates 0 to 50ma, resistance 3 to 10,000MΩ; capacitance 5μμf to 10,000μf.	Shallcross Mfg Co	SCL-8839	MIL-T-12636	
ZM-3A/U	Analyzer	Interchangeable with ZM-3/U except for maintenance parts. Resistance: 1.1 to 10,000MΩ. Current 0 to 50ma(dc). Power factor: 0 to 50%.	North Amer Phillips	USA SCLM-7383	MIL-T-12636 (SigC)	
ZM-4()/U ZM-4/U	Resistance Bridge	Wheatstone type. 1Ω to 10MΩ,±0.1% up to 100kΩ. Galvanometer: 250Ω resistance; 1MΩ sensitivity. May be used for Murray and Varley loop tests when fault locating phone lines.	Leeds & Northrup S-5300	USN		
ZM-4A/U	Resistance Bridge	1Ω to 10MΩ ±0.1%; uses direct method of measurement. Not interchangeable with ZM-4/U.	Winslow Co 301 SL	USA SCLM-1075		
ZM-4B/U	Resistance Bridge	1Ω to 10MΩ±0.1%. Uses direct method of measurement.	Shallcross Mfg Co 5300 type S	SCL-12210		
ZM-5()/U ZM-5/U	Decade Resistor	Range: 11, 111Ω in steps of 0.1Ω. Accuracy: ±0.1%.	General Radio Co 602-N	USN		
ZM-6()/U ZM-6/U	Impedance Bridge	Range: 1 to 200Ω resistive, 10 to 300Ω reactive ±1%. 200 to 550kc frequency range.		USN	CAA-R-60	
ZM-7()/TSM ZM-7/TSM	Capacitance-Resistance Bridge	0.075 to 3μf ±5%. 0 to 5/500kΩ ±2%,0 to 50MΩ ±5%. 20cps- internal oscillator. To locate faults in communications lines.	Continental Electric	USA SCLM-1264	MIL-T-2487	P/O BD-101-() TS-27()/TSM
ZM-7A/TSM	Capacitance-Resistance Bridge	Same description as ZM-7/TSM. Maintenance parts differ.	Universal Elec labs UETS 27B	USA SCLM-1265	MIL-T-2487	P/O BD-101-() TS-27()/TSM
ZM-7B/TSM	Capacitance-Resistance Bridge	Same description as ZM-7/TSM. Maintenance parts differ.	Albert Mfg Corp 126	USA SCLM-1248	MIL-T-2487	P/O BD-101() TS-27()/TSM
ZM-8()/TSM	Crystal Impedance Meter	Crystal test equipment, impedance measurement 10Mc to 100Mc, to test crystals operating at their series resonance. Cancelled 14 February 1949.Ra TS-683()/TSM.	Shallcross Television	SCL-6656		P/O AN/TSM-3()
ZM-9()/U ZM-9/U	Resistance Bridge	Wheatstone bridge and VTVM. 0.1 to 1,000,000MΩ. In 5 overlapping bands. Accuracy better than 4%.	Telectro Ind Inc General Radio Co 544-BA	SIMSA-62-2507	MIL-B-11692	
ZM-10()/U ZM-10/U	Variable Inductor	Series 8-50mh, parallel 2-12.5mh, mutual inductance 0-11mh, dc resistance 32Ω.		USN		
ZM-11()/U ZM-11/U	Capacitance Inductance Resistance Bridge	Bridge, combination, 10Mf to 1000Mf; 0.1mh to 100h, 1Ω to 10MΩ; internal oscillator 1000cps.	Clough-Brengle Co 712	USA USN	SHIPS-B-376	
ZM-11A/U	Capacitance Inductance Resistance Bridge	10μμf to 1000μf; capacitance 500vdc leakage test; 0 to 50% dissipation factor; 100μh to 100h; 1Ω to 10MΩ; turns ratios 0.01 to 110(w/unity coupling); insulation resistance 200MΩ to 10,000MΩ; storage factor from 0.5 to 20. Offers greater range than ZM-11/U. Includes two integral oscillators 1000cps and 10.75Mc.		N-58-X-1996	MIL-B-15421B (SHIPS)	
ZM-12()/USM-21 ZM-12/USM-21	Ohmmeter	0.1, 1.0 and 10Ω full scale. ±1% at fs.	Industrial Inst Inc	AEL-56-139		P/O AN/USM-21
ZM-13()/U ZM-13/U	Ohmmeter	Ohmmeter, 0 to 1000MΩ, self-contained hand generator.	Holtzer-Cabot 10-BG	USN	MIL-M-15023 MIL-O-16485 (SHIPS)	
ZM-14B/PSM-2	Ohmmeter	0 to 1000MΩ ±2.5% accuracy. 500 vdc hand generator.	James Biddle Co	N-62-X-1739	MIL-O-16485B (SHIPS)	U/W AN/PSM-2B
ZM-15()/BSH ZM-15/BSH	Bathythermograph Calibrator	For calibrating buoyancy recorder set.		USN		
ZM-16()/U ZM-16/U	Decade Resistor	0.1 to 111,111,111Ω in 0.1Ω steps, ±1%.	Winslow Co	SCLS-8886	MIL-R-11764 (SigC)	P/O AN/GSM-1()
ZM-16A/U	Decade Resistor	0.1 to 111,111,111Ω in 0.1Ω steps, ±1%.	Dubrow Development 433-1	USA SCLM-1227	MIL-R-11764 (SigC)	P/O AN/GSM-1()
ZM-16B/U	Decade Resistor	Same description as ZM-16/U except accuracy is ±2%.	Skiatron Electronics	SIMSA-61-477	MIL-R-11764 (SigC)	P/O AN/GSM-1()
ZM-17()/U ZM-17/U	Ohmmeter	0 to .005/0.01/0.5/1Ω full scale ±2%fs. 5a max.	Shallcross Mfg co 673D	USA AEL-53-14		
ZM-18()/U	Side Arm Impedance Meter	Performs same function as slotted line. 100 to 500Mc. Input 200mw modulated at 400cps.	Polytechic Institute	USA AEL-52-871	MCREE-536	

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-19()/U	Side Arm Impedance Meter	2600 to 3950Mc input 200mw RF modulated 400cps.		USA AEL-52-872 USA USN		U/W MIL-471/AMQ-8
-20()/AMQ-8 -20/AMQ-8	Resistance Bridge	Bridge, resistance, 60 to 125Ω, servo-balancing bridge type.	Leeds & Northrup 5430-A Shallcross Mfg Co 6100 Centronix Inc CEC-4800	USA SCLM-7152	USA 71-3256 (Sig)	
-21()/U -21/U	Ohmmeter	0 to 1000MΩ range: 500vdc, uses self-contained, hand operated generator for insulation test.				
M-21A/U	Ohmmeter	0 to 1000MΩ 500vdc, uses self-contained hand operated generator for insulation test.	Winslow Co 5G1000	USA SCLM-7202	71-3251 (SigC)	
M-22/U	Q-Meter	5 to 1200 Q range; 20 to 260Mc frequency range internal oscillator.	Boonton Radio Corp 190	USA USN		P/O GS-16400 NIKE I ord 6
M-23()/U M-23/U	Ohmmeter	0.5 to 2,000,000MΩ in 6 ranges. Cancelled 18 March 1956.	General Radio Corp 1862A	USA ORDTU-19		
M-24()/U M-24/U	Resistance Bridge	1 to 1,111,111Ω with internal standard; 1Ω to 2MΩ with external standard. Cancelled 18 May 1956.	General Radio Corp 1652-A	ORDDW-142-56		
M-25()/MSA-6 M-25/MSA-6	Impedance Bridge	1MΩ to 11MΩ; capacitance, 1μμf to 1100μf; inductance, 1μh to 1100h. Cancelled 15 August 1955.	Brown Electro-Meas 250-C1	USA ORDDW-300-55 ORDDW-265-56		
M-26/U	Summation Bridge	Cancelled 11 December 1956.				
M-27/URM-39	Impedance Bridge	Resistance: 0 to 1000Ω, ±1%+0.1Ω. Reactance 0 to ±5000Ω at 1Mc, ±2%-1Ω. Response: 400kc to 60Mc.	General Radio Co P-1606	USN	MIL-B-16109 (SHIPS)	P/O AN/URM-39
M-28()/U	Impedance Bridge	Designed to measure both components of the complex impedance of a high Q circuit in the 100cps to 400kc range. Measures resistance, capacitance, inductance. Resistance: 0.01 to 1000Ω. 2% accuracy of both components. External detector required.	CGS Labs Inc	USN	SHIPS-I-738	
M-29()/U	Impedance Bridge	100 to 1000Mc. Measures VSWR (1.1 to 25 ±5%) and angle of reflection coefficient (-180 to 180° ±5%). External oscillator and standing wave amplifier.	Polytechic Res & Dev	USAF WL-55-1404		
M-30()/U M-30/U	Impedance Bridge	100cps to 10kc. Ranges: 0.1μμf to 1100μf ±(1.0%+1div); 0.1 to 1100h ±(0.15%+1div); 0.1MΩ to 11MΩ ±5%; dissipation factor 0.001 to 1.05 ±5%; storage factor 0.01 to 1050 ±5%. Magic eye and headphone indicators.	Model Eng & Mfg Inc 402-D-7046	USA SCLC-10558	MIL-B-3694	P/O AN/URM-90()
M-31()/U	Summation Bridge	2 to 1000Mc frequency range. Measures voltage output from 20 to 70mv ±5% to 400Mc, 10% above 400Mc.	Measurements Corp 202B	USA SCLM-1236		
M-32()/USM-21A M-32/USM-21A	Ohmmeter	0 to 0.1, 1.0, and 10Ω ranges. Similar to ZM-12/USM-21.	Bruno-NY Ind Inc	AEL-58-236	MIL-O-25633	P/O AN/USM-21A
M-33()/DJM-10 M-33/DJM-10	Motor Generator Resistance Bridge	Rack-mounted, has switches and null controls for resistance monitoring. Monitors resistance of PU-411/DJW-5.	AC Spark Plug 8570633	WDD-57-680		P/O AN/DJM-10
M-34/AWM-5	Resistance Bridge	Contains series of resistors. Input 80vdc across 32kΩ, with intermediate voltage taps. Tap sets contain adjustable series nullmeter potentiometer.		USN-58-ah-1603		P/O AN/AWM-5 U/W MK16,Mod 1-12
M-35/AWM-5	Resistance Bridge	Contains series of resistors. Input 80vdc across 3kΩ, with intermediate voltage taps. Tap sets contain adjustable series, nullmeter potentiometer.		USN-58-ah-1604		P/O AN/AWM-5 U/W MK16, Mod 1-12
M-36/AWM-5	Resistance Bridge	Contains series of resistors. Input 80vdc across 32kΩ, with intermediate voltage taps. Tap sets contain adjustable series, nullmeter potentiometer.		USN-58-ah-1605		P/O AN/AWM-5 U/W MK16,Mod 1-12
M-37/AWM-5	Resistance Bridge	Contains series of resistors. Input 80vdc across 32kΩ, with intermediate voltage taps. Tap sets contain adjustable series, nullmeter potentiometer.		USN-58-ah-1606		P/O AN/AWM-5 U/W MK16, Mod 1-12
M-38()/URM-18	Impedance Bridge	Measures VHF impedance and SWR. Range: 2 to 2000Ω, ±90° phase angle; accuracy ±5%. Frequency: 50 to 500Mc. Galvanometer indicator.	Hewlett-Packard 803A	SESA-59-139		P/O AN/URM-118()
M-39()/U	Ohmmeter	Insulation resistance tests 0.5 to 2,000,000MΩ. Test potentials: 50v, 500v. Accuracy ±2% to ±12%.		ORDBA-0246		
M-40()/U	Resistance Bridge	1 to 1,111,111Ω w/internal std; 1Ω to 2MΩ w/internal std. Frequency: 50-420cps. Limit bridge or null measurements. Accuracy ±0.2% to ±0.5%.		ORDBA-0247		P/O NIKE IV
M-41()/U M-41/U	Resistance Voltage Bridge	Ratio measurement range: 0 to unity resistance ratio range, 0 to unity voltage ratio range, 0 to 100,000Ω resistance measuring range; 0 to 250vdc voltage range.		ORDBA 0280		
M-42()/AJM-12 M-42/AJM-12	Electrical Phase Bridge	Accurately measures electrical phase angle.	Vought 401-30505-1	AEL-61-626		P/O AN/AJM-12
M-43/USM-158	Ohmmeter	Range: 0 to 100MΩ. Power source, hand generator, 500vdc. Checks circuits and insulation resistance.	James Biddle Co 7676	N-61-X-2574	MIL-O-16485B (SHIPS)	P/O AN/USM-158
M-44()/ARC-103 M-44/ARC-103	Radio Frequency Bridge Module	2 to 29.999Mc. Inserts a resistive pad into transmission line to limit VSWR as seen by transmitter. Receives switching for antenna coupler. Prevents transmitter exceeding power while pad is in line in untuned condition.	Hughes Aircraft Co 332925-150	AEL-62-912		P/O RT-697/ARC-103
M-45/USM-178	Ohmmeter	0 to 100MΩ to 500vdc from constant pressure type hand generator. Similar to ZM-43/USM-158.	Winslow Elec Inc A98400010	N-63-X-187	MIL-O-16485B	P/O AN/USM-178