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TRAINEE'S GUIDE
for
NAVAL SCHOOLS
TELETYPE MAINTENANCE

CLASS C

VOLUME 3

A-160-0023

A-160-0024

Chief of Naval Technical Training

June 1972

DEPARTMENT OF THE NAVY
CHIEF OF NAVAL TECHNICAL TRAINING
NAVAL AIR STATION
MILLINGTON, TENNESSEE 38054

IN REPLY REFER TO

FOREWORD

1. NAVTRA 41048, Trainee's Guide for Naval Schools, Teletype Maintenance, Class C, Volume 3, is approved for use in the Teletype Maintenance courses A-160-0023 and A-160-0024.
2. This publication supersedes volume 3 of all previous trainee guides developed for the course.
3. Commands are invited to submit explicit comments and recommendations on the contents of this publication to the Chief of Naval Technical Training (N3).



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RECORD OF CHANGES

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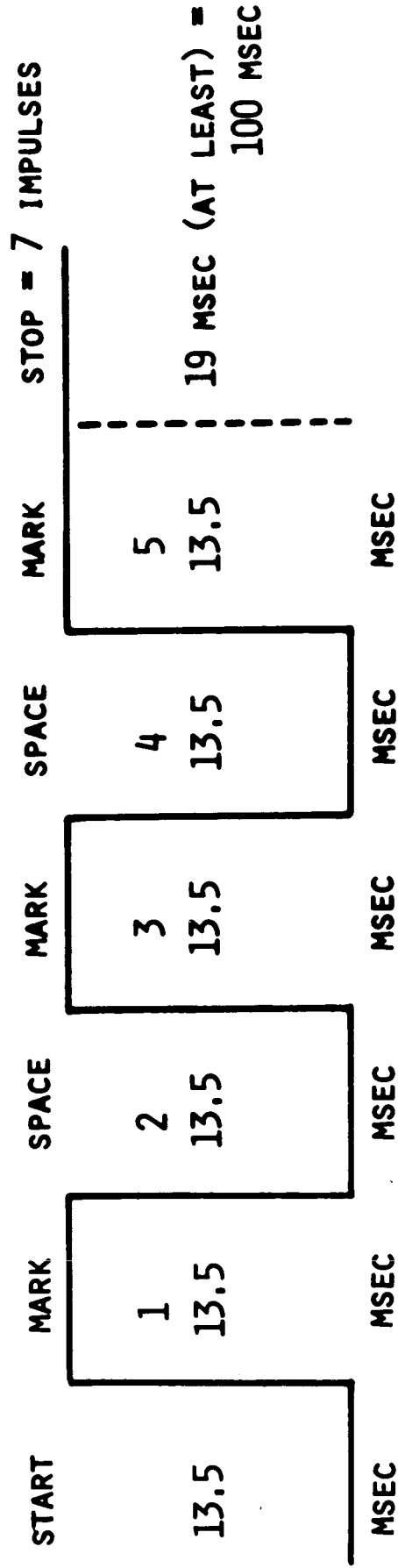
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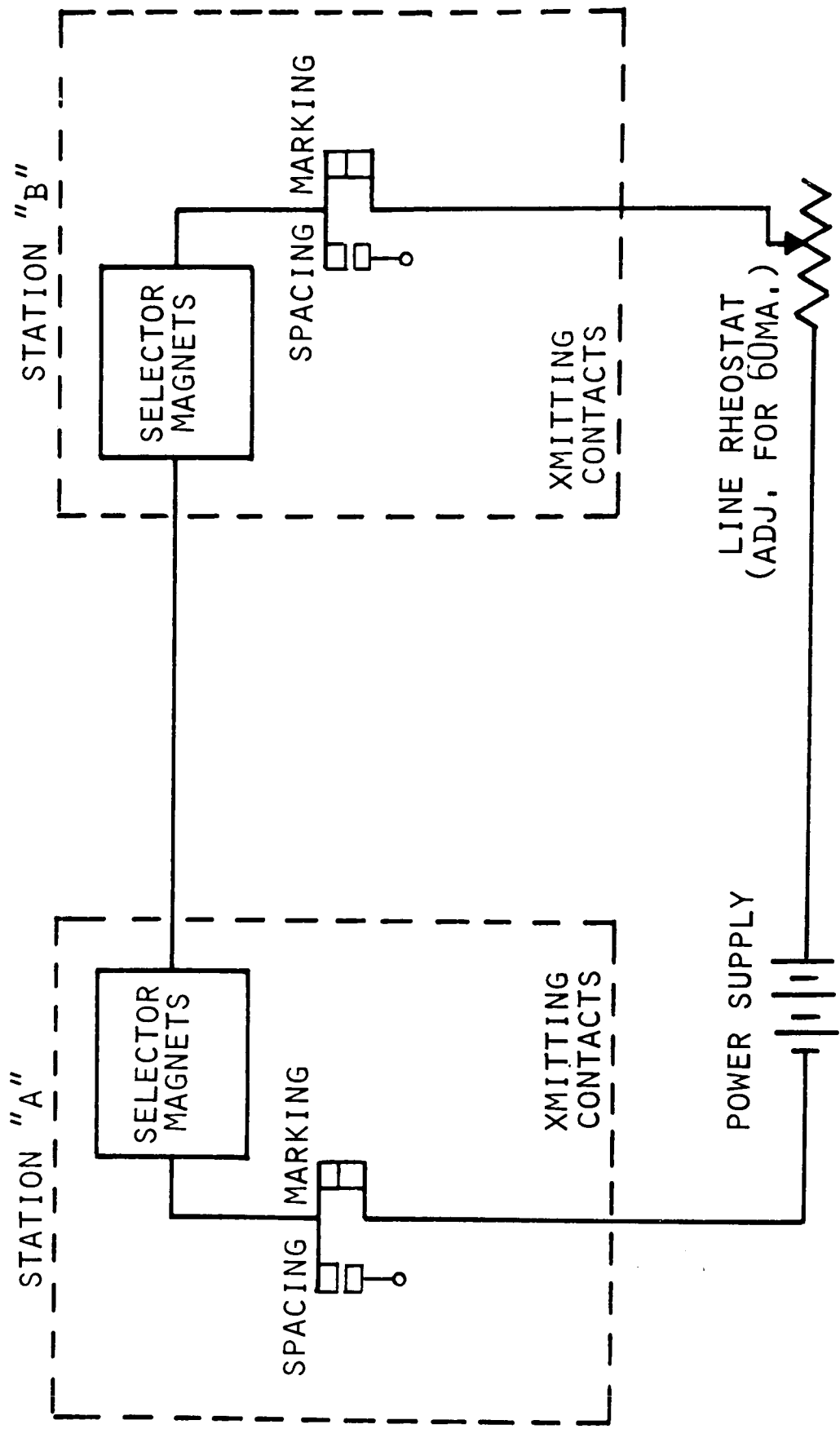
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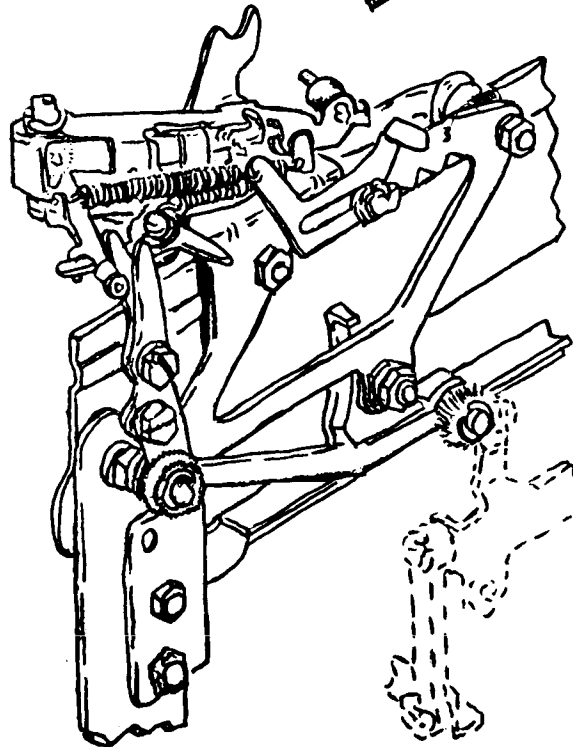
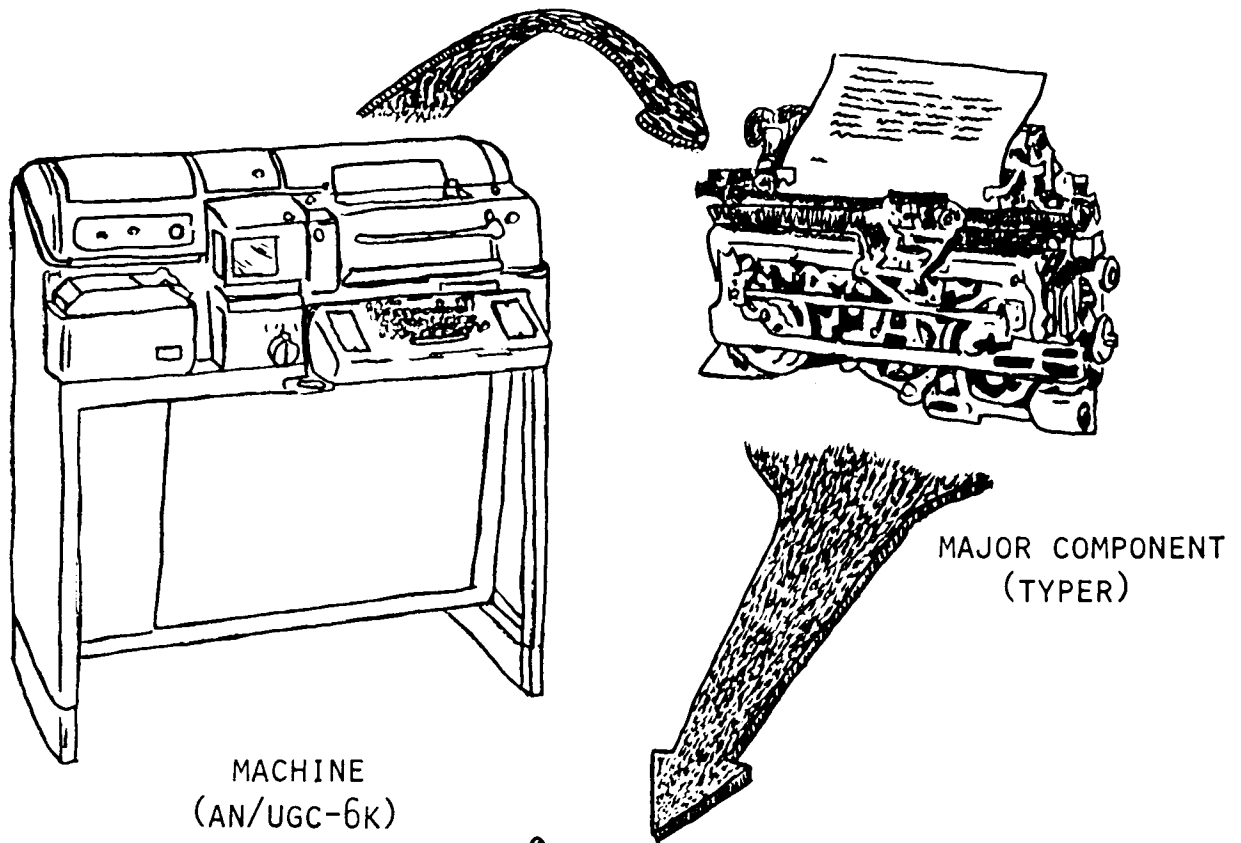
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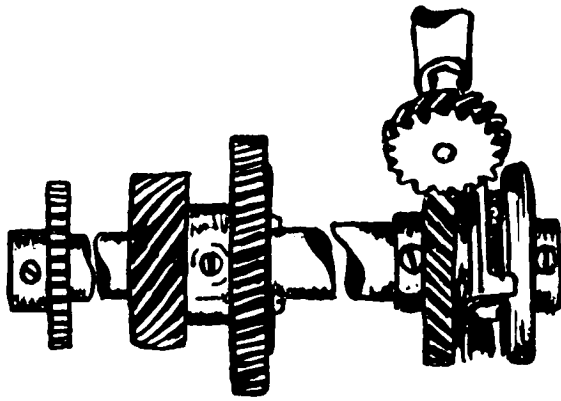


MOD 28 ASR-AN/UGC-6K- HALF DUPLEX TTY CIRCUIT

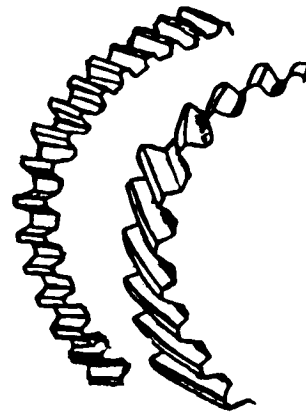


TRAIN OF PARTS
(PRINTING MECHANISM)

MOD 28 ASR-AN/UGC--6K TERMINOLOGY (#1)

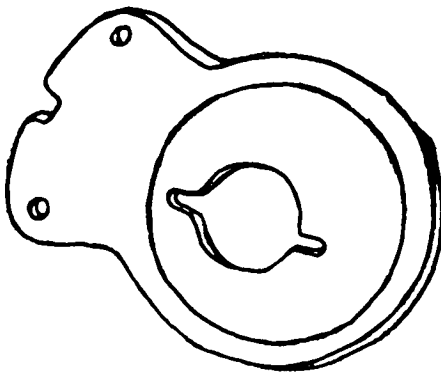


GEARS

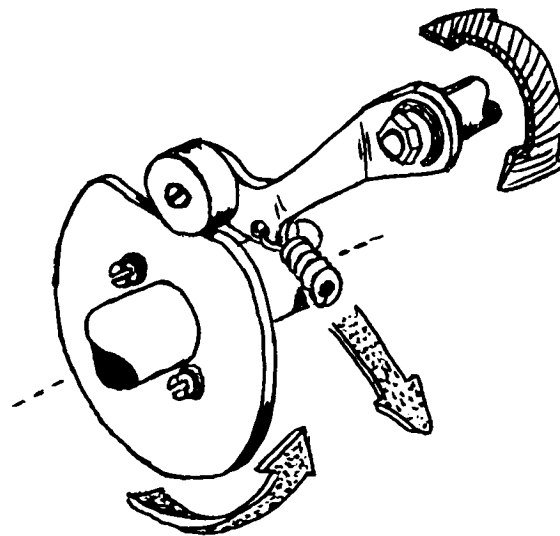


SPUR

HELICAL



ECCENTRIC

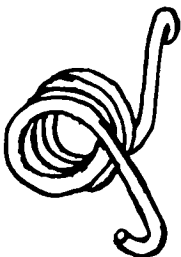


CAM

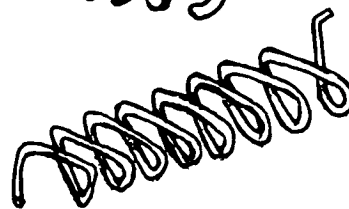
SPRINGS



COIL

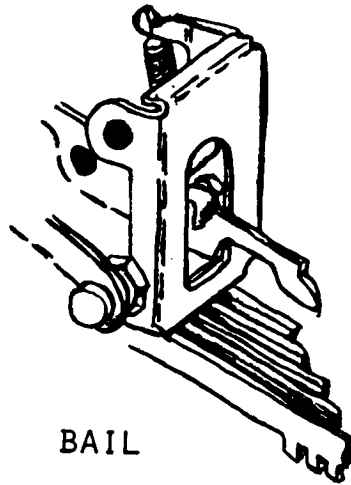


TORSION

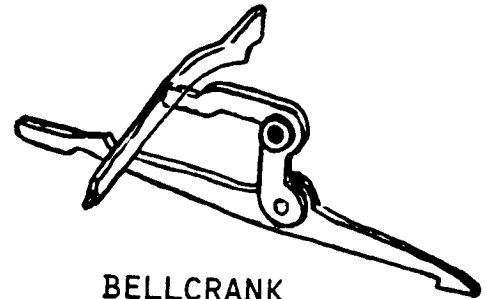


COMPRESSION

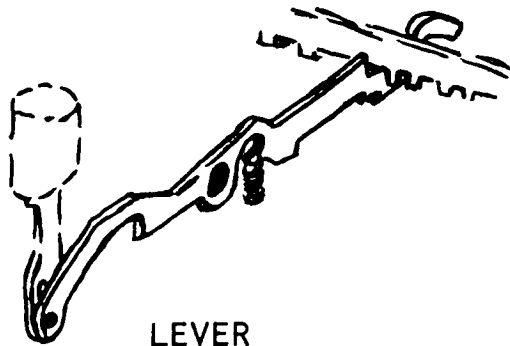
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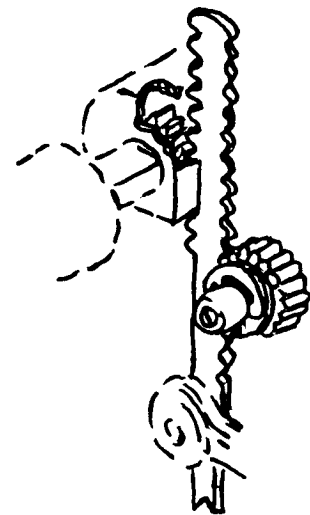
BAIL



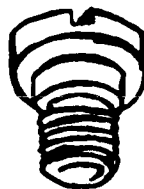
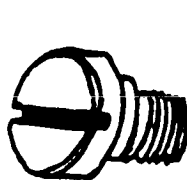
BELLCRANK



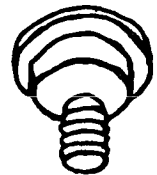
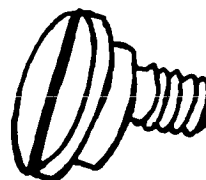
LEVER



RACK



SHOULDER SCREW



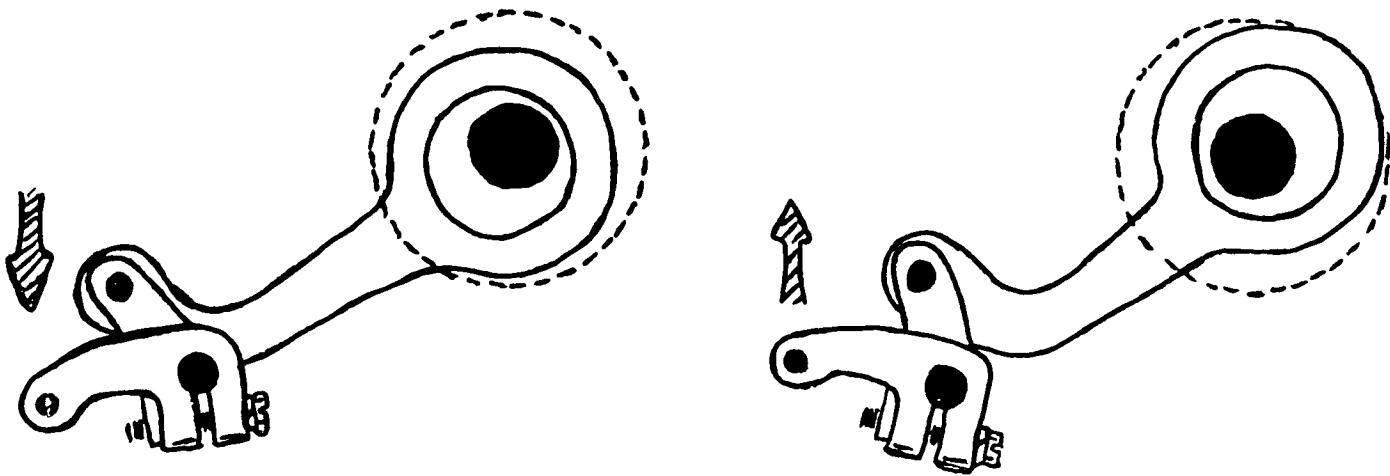
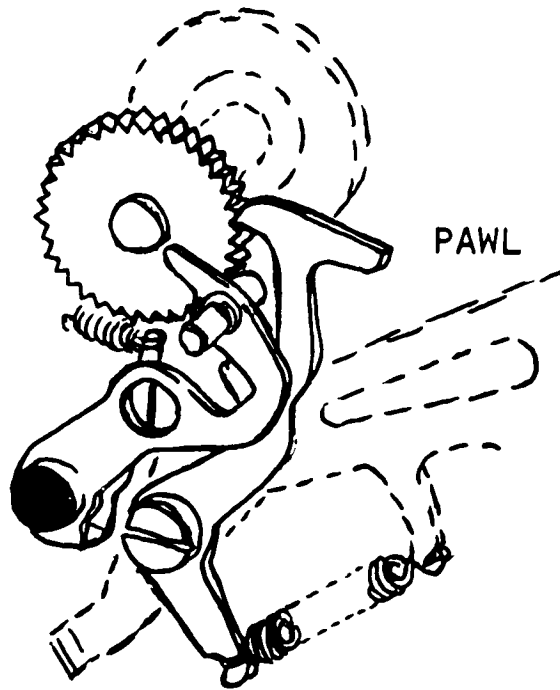
ECCENTRIC SCREW

MOD 28 ASR-AN/UGC--6K TERMINOLOGY (#3)

RATCHET WHEEL

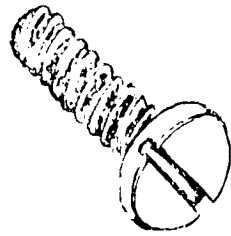
PAWL

DETENT

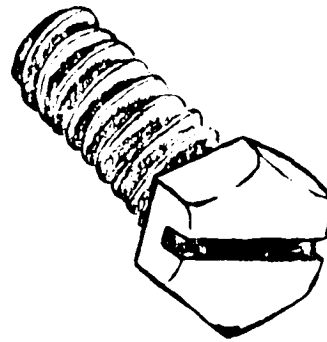


ECENTRIC AND FOLLOWER

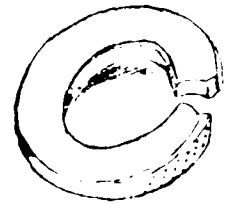
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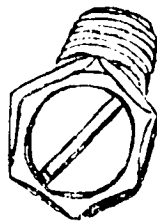
ROUND HEAD SCREW



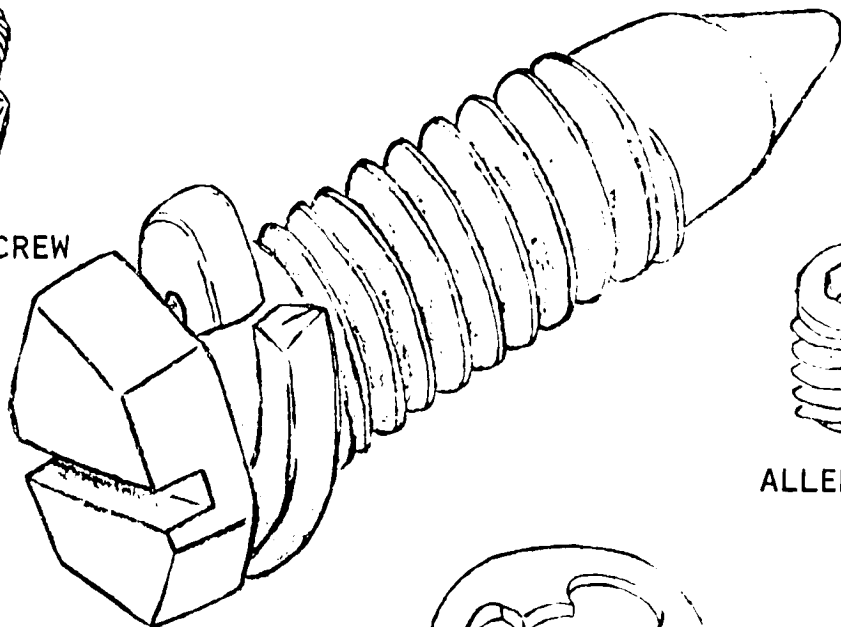
HEXAGON HEAD SCREW



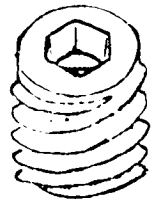
LOCK WASHER



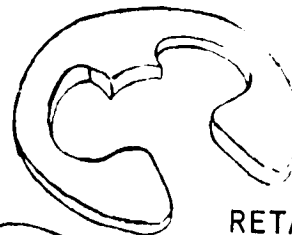
HEXAGON HEAD SCREW



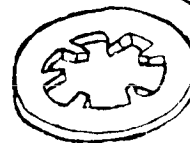
PILOT SCREW



ALLEN SCREW

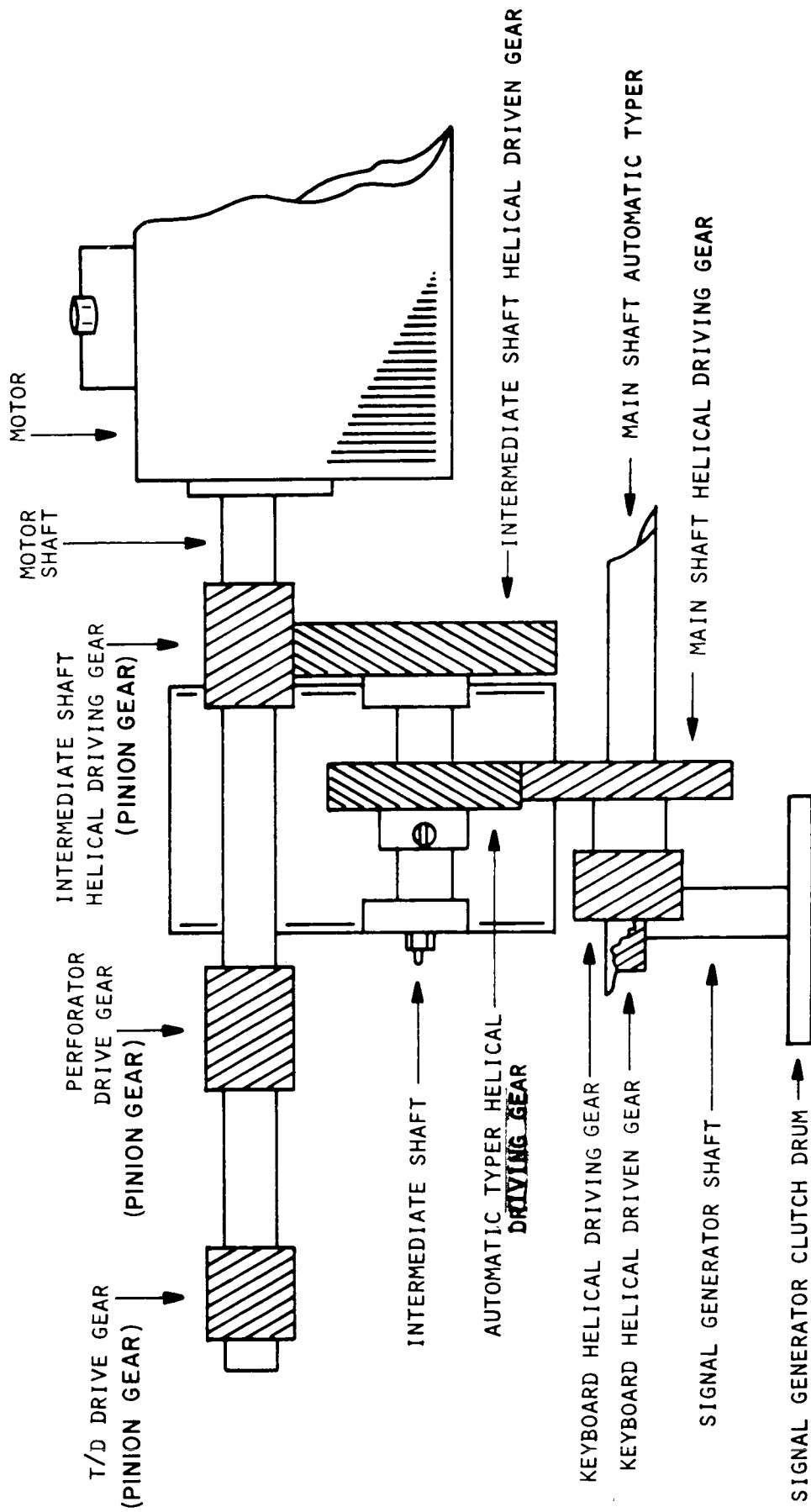


RETAINER RING
(C CLAMP)

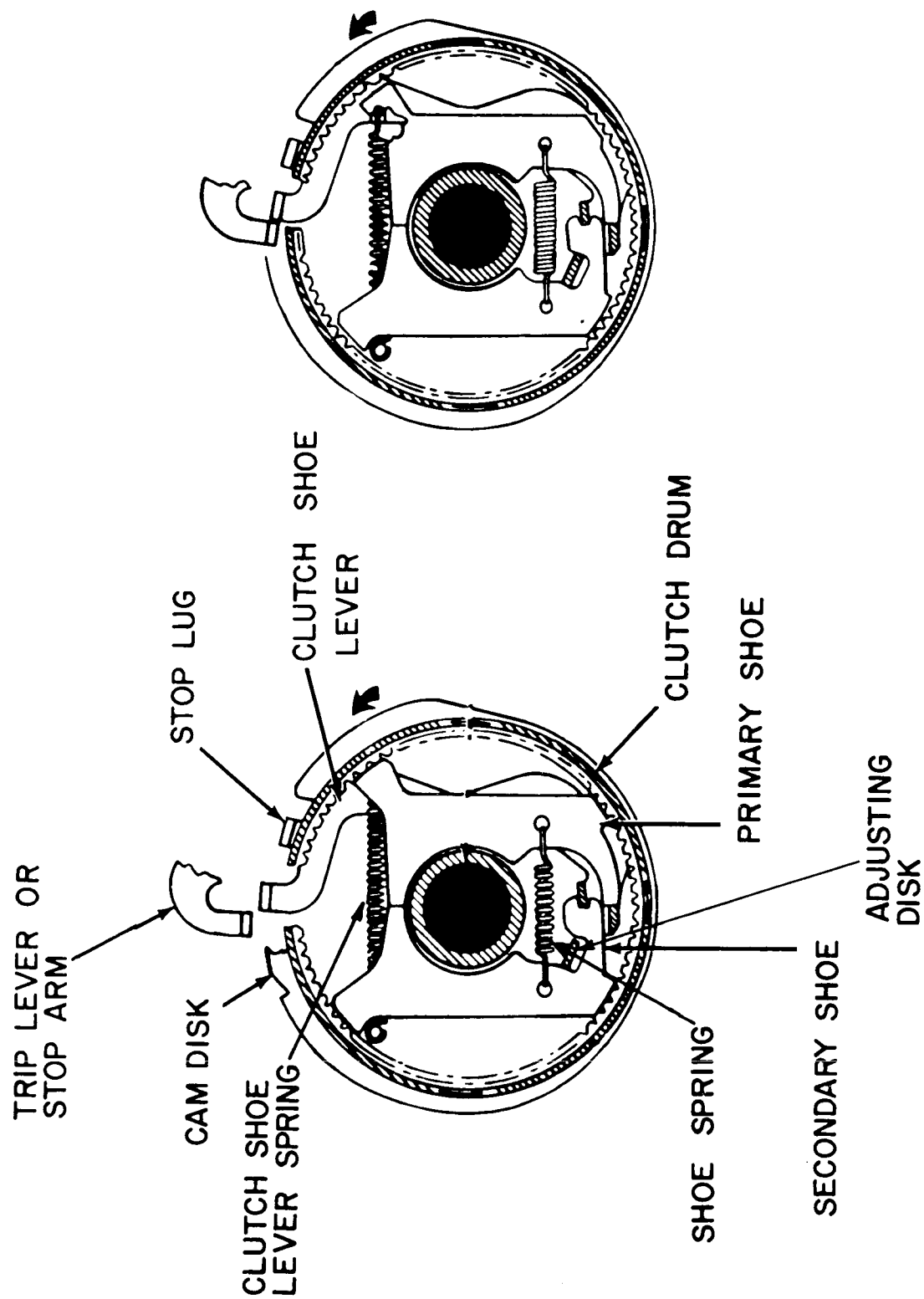


LOCK WASHER
(STAR)

MOD 28 ASR-AN/UGC-6K TERMINOLOGY (#5)



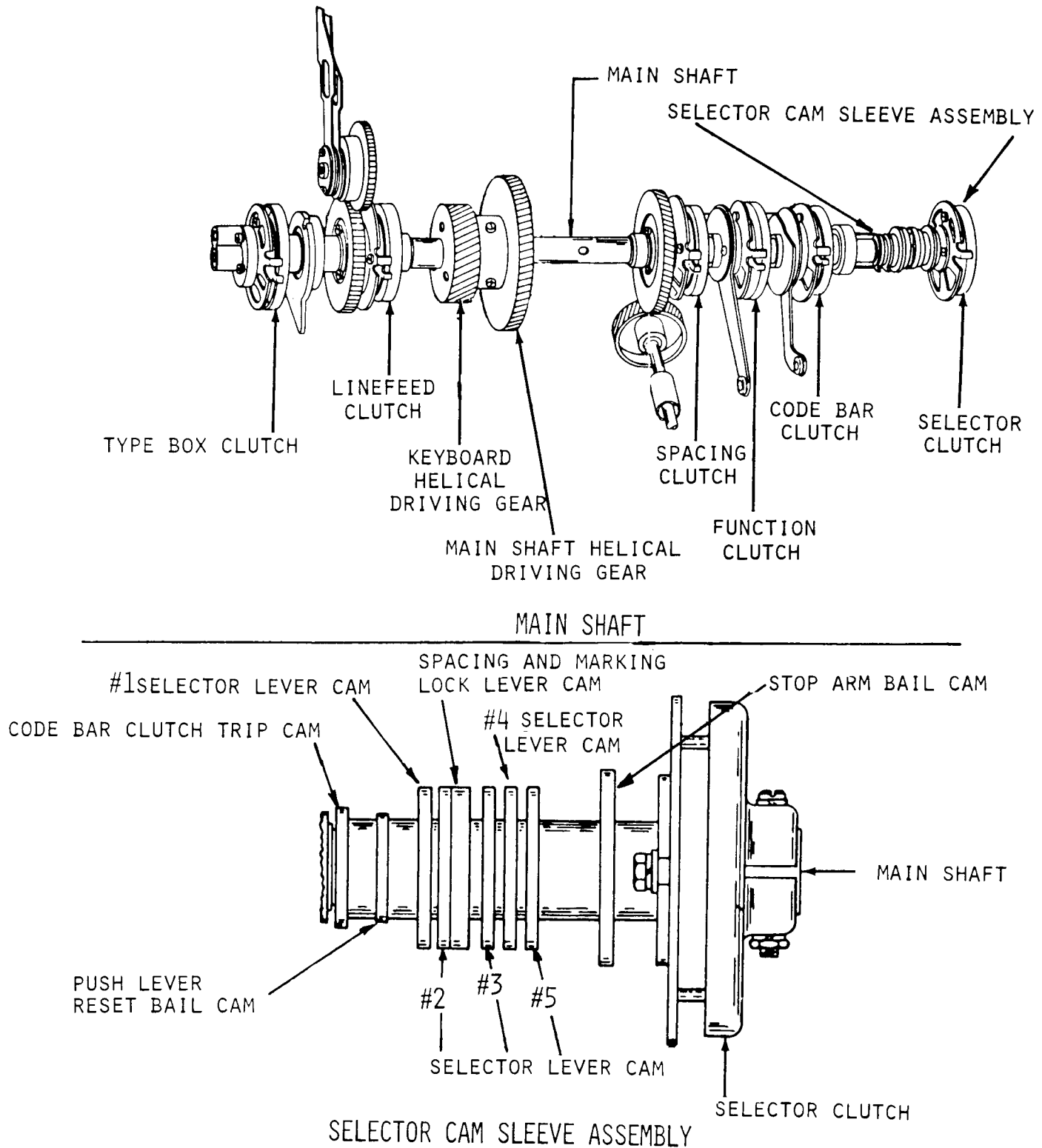
MOD 28 ASR-AN/UGC-6K GEAR POWER TRAIN



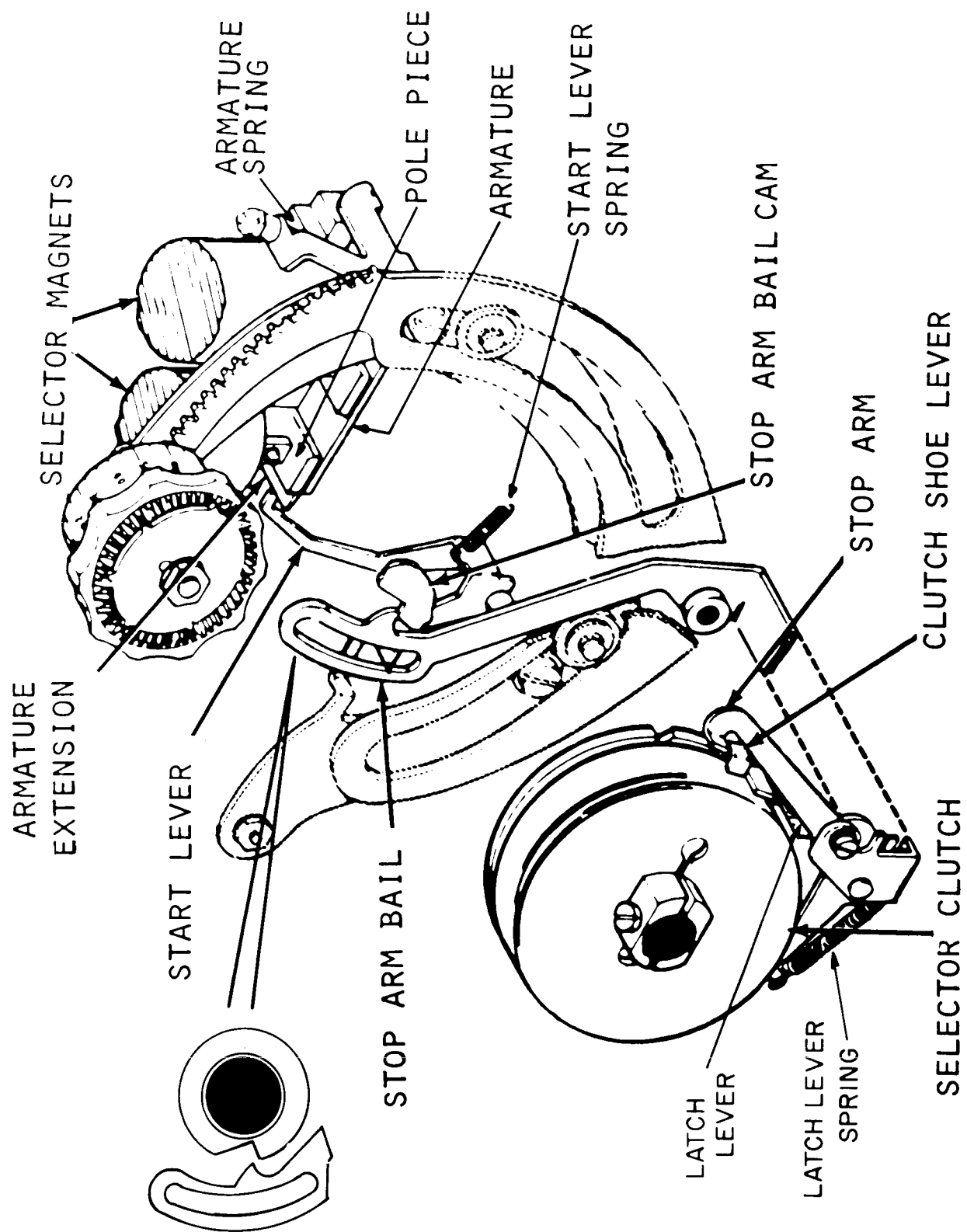
DISENGAGED CLUTCH

ENGAGED CLUTCH

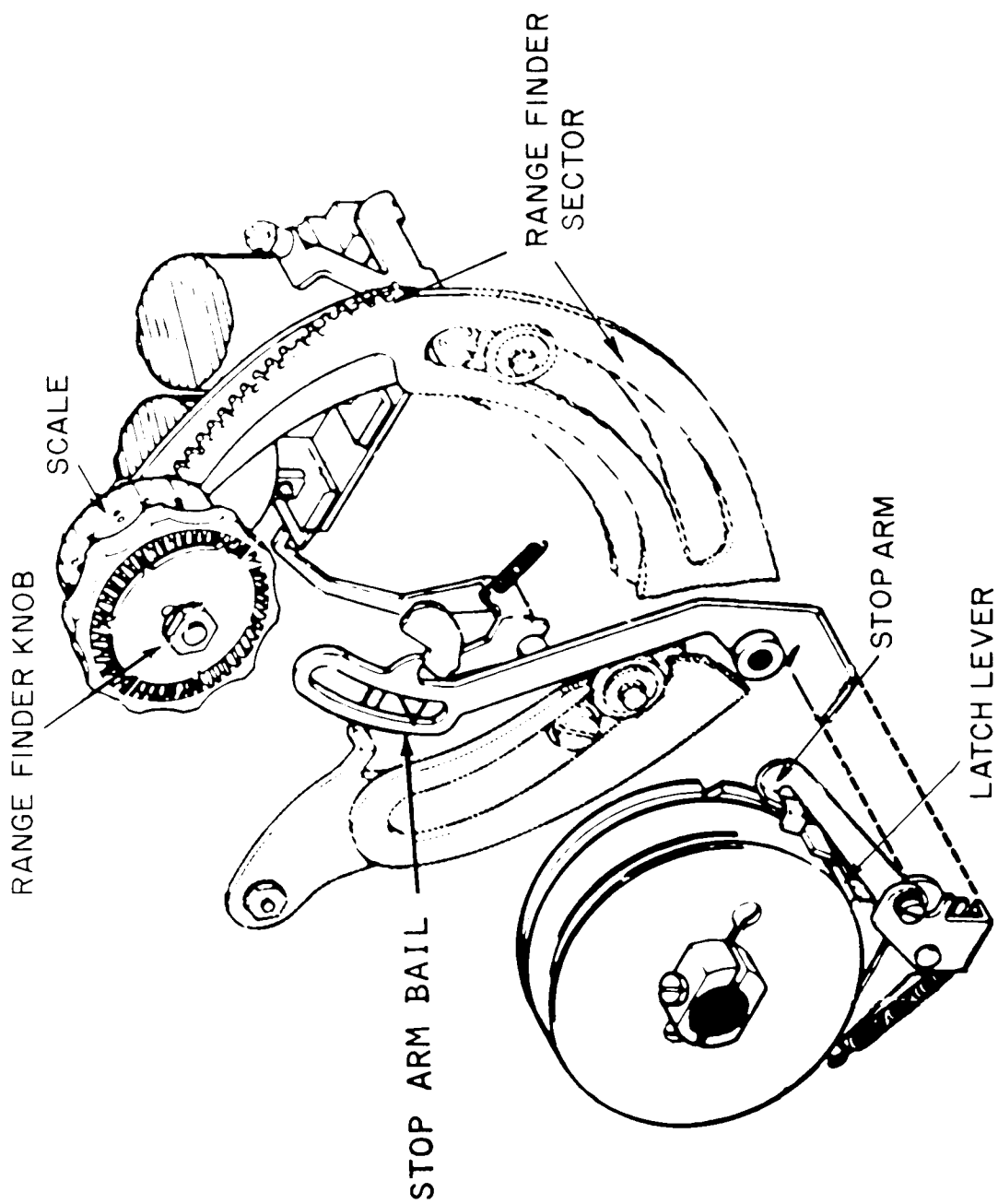
MOD 28 ASR-AN/UGC-6K INTERNAL EXPANSION CLUTCH



MOD 28 ASR -AN/UGC-6K MAIN SHAFT AND SELECTOR CAM SLEEVE ASSEMBLY



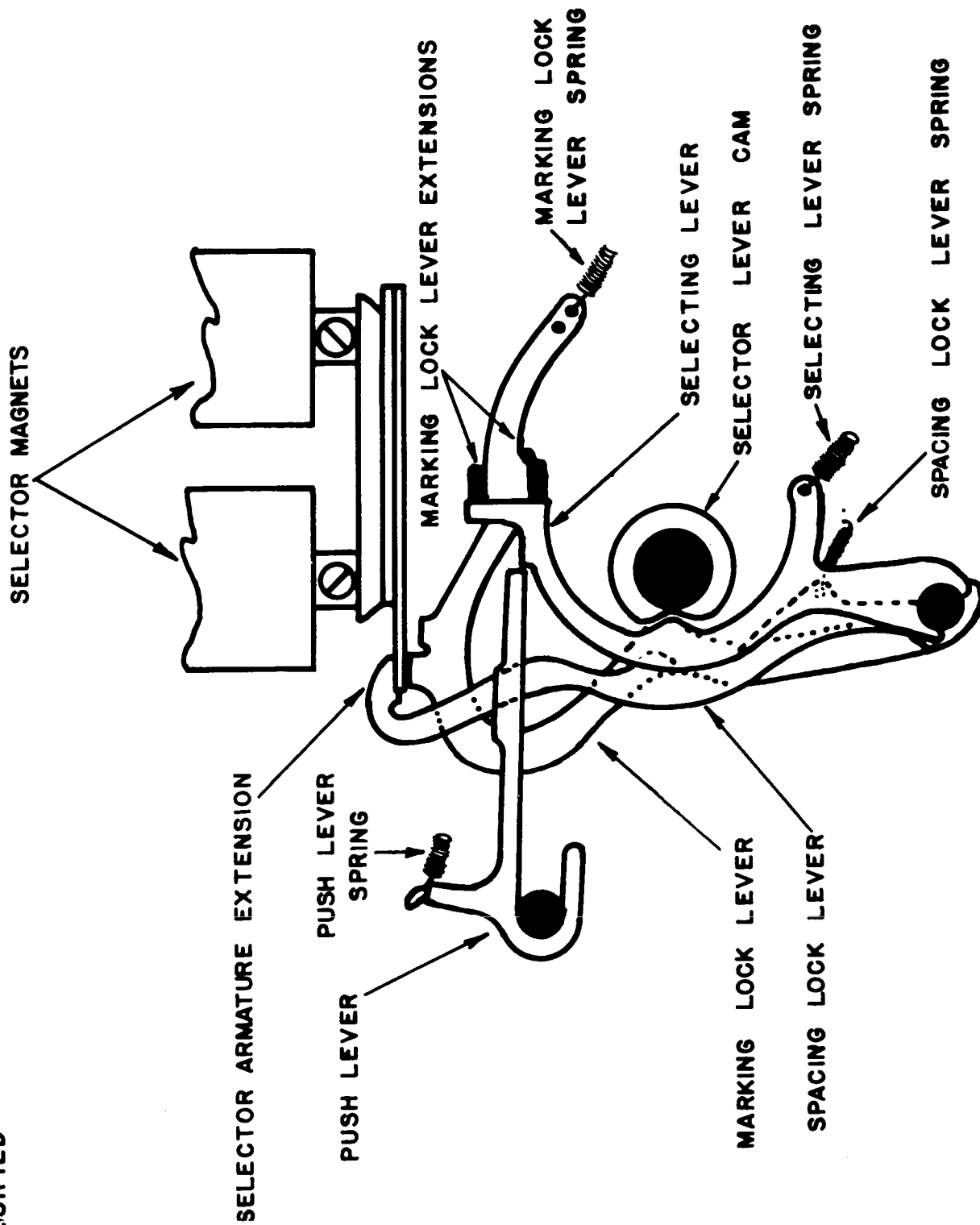
MOD 28 ASR-AN/UGC-6K- SELECTOR CLUTCH TRIP MECHANISM (RIGHT VIEW)

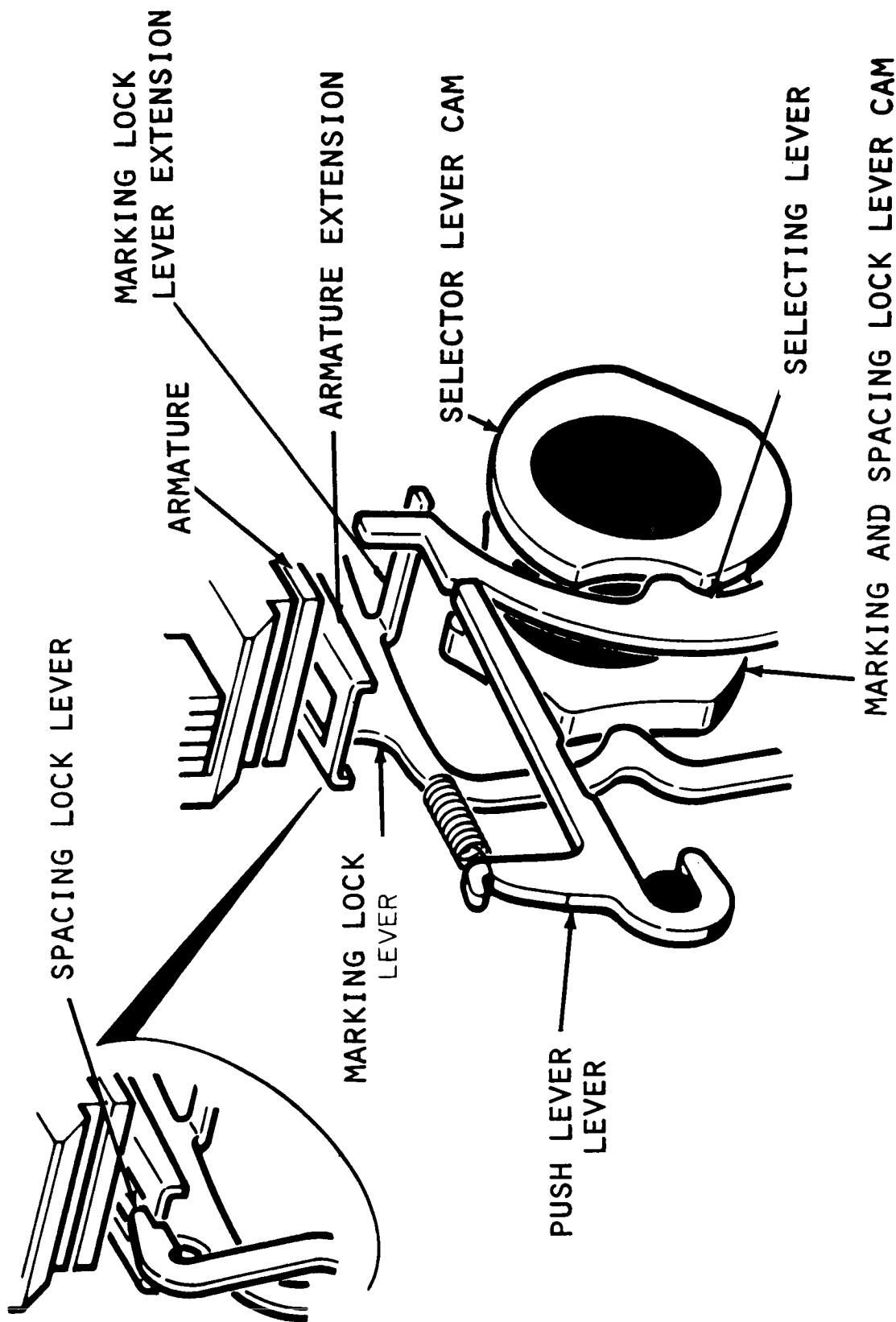


MOD 28 ASR/UGC-6K RANGE FINDER OPERATION (RIGHT VIEW)

2-1-3D

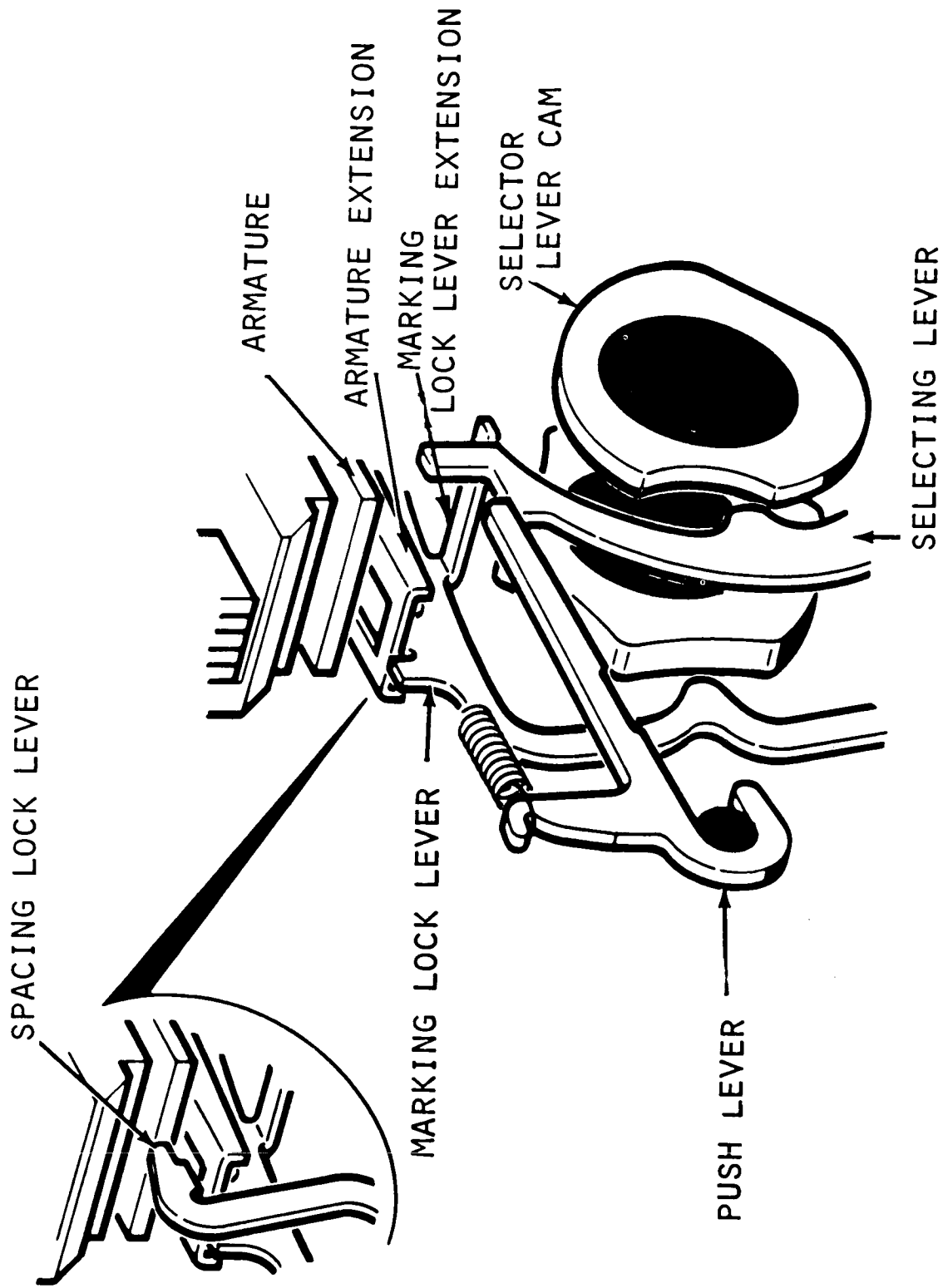
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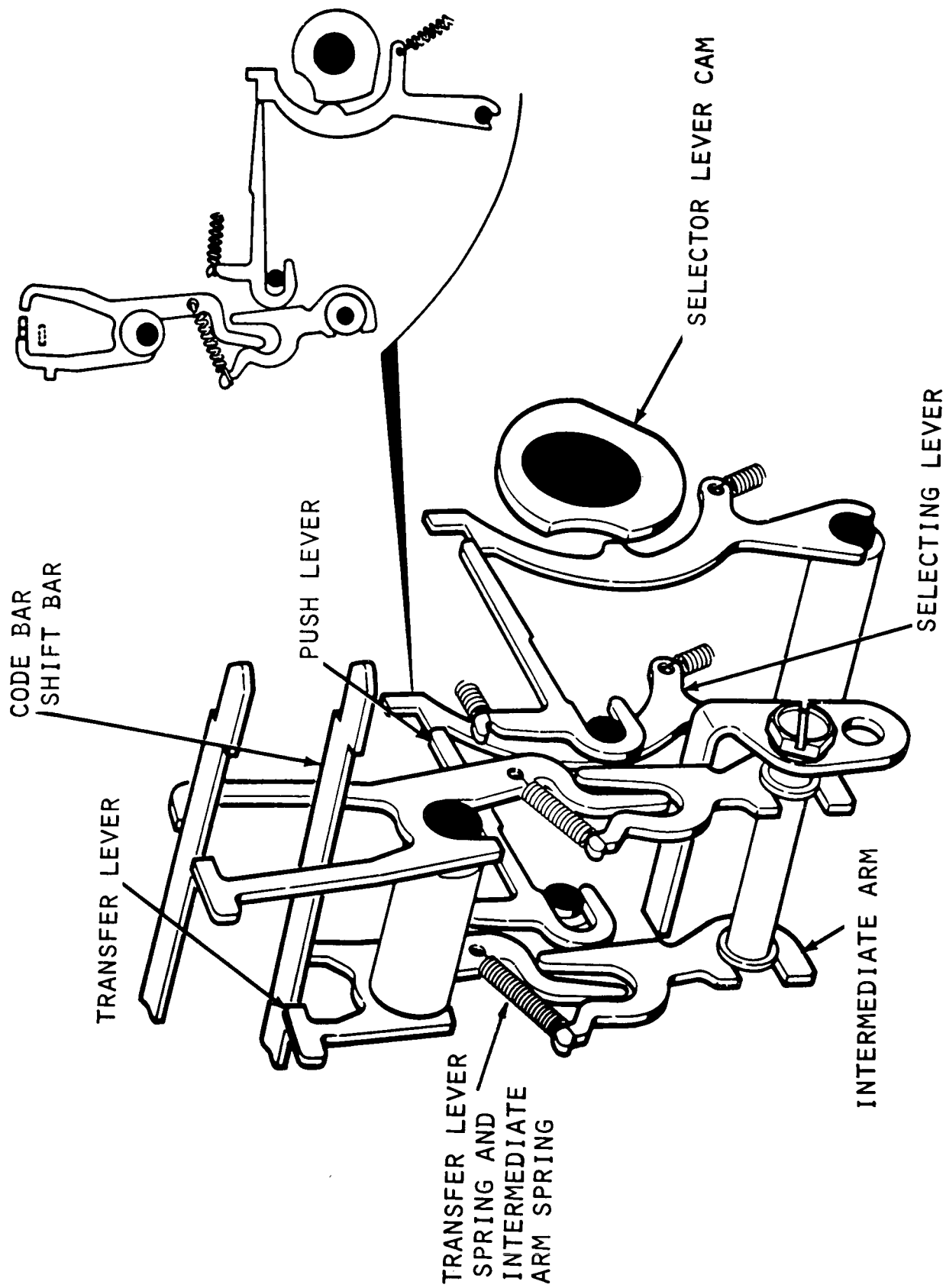


MOD 28 ASR -AN/UGC-6K SELECTION (MARKING) (RIGHT VIEW)

2-1-5D

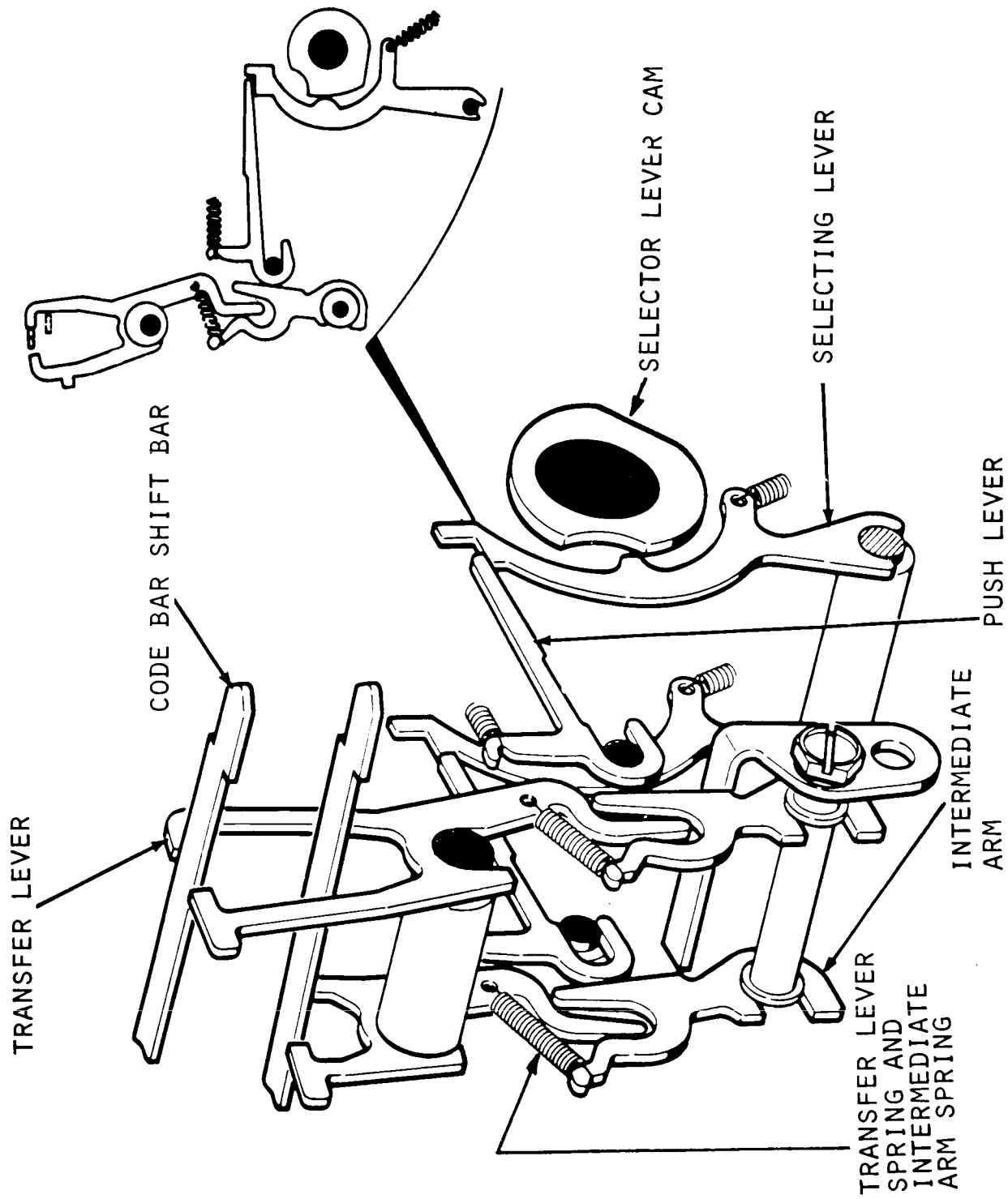


MOD 28 ASR-AN/UGC-6K SELECTION (SPACING, RIGHT VIEW)



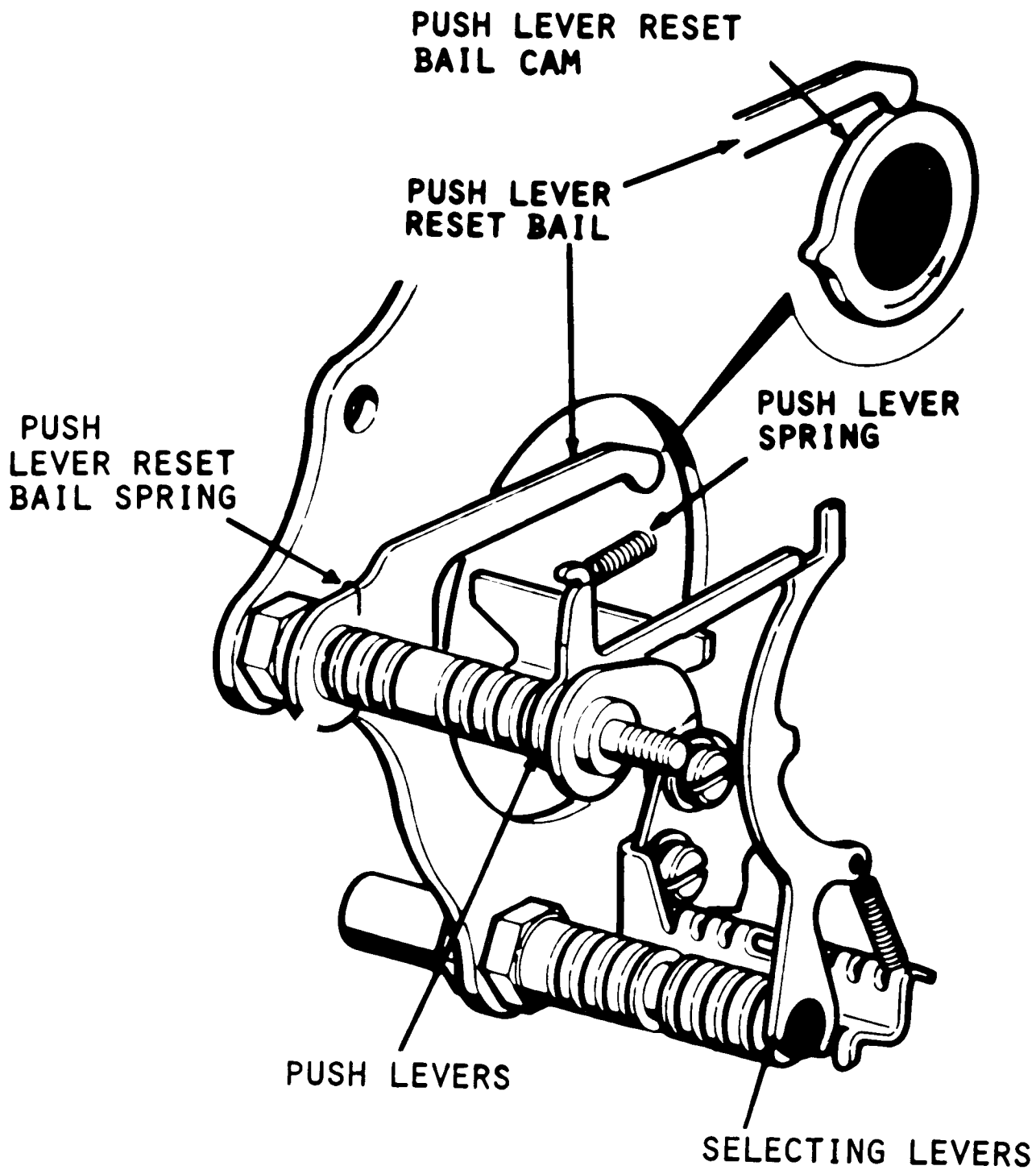
MOD 28 ASR-AN/UGC-6K TRANSFER MECHANISM (MARKING, RIGHT VIEW)

2-11-7D

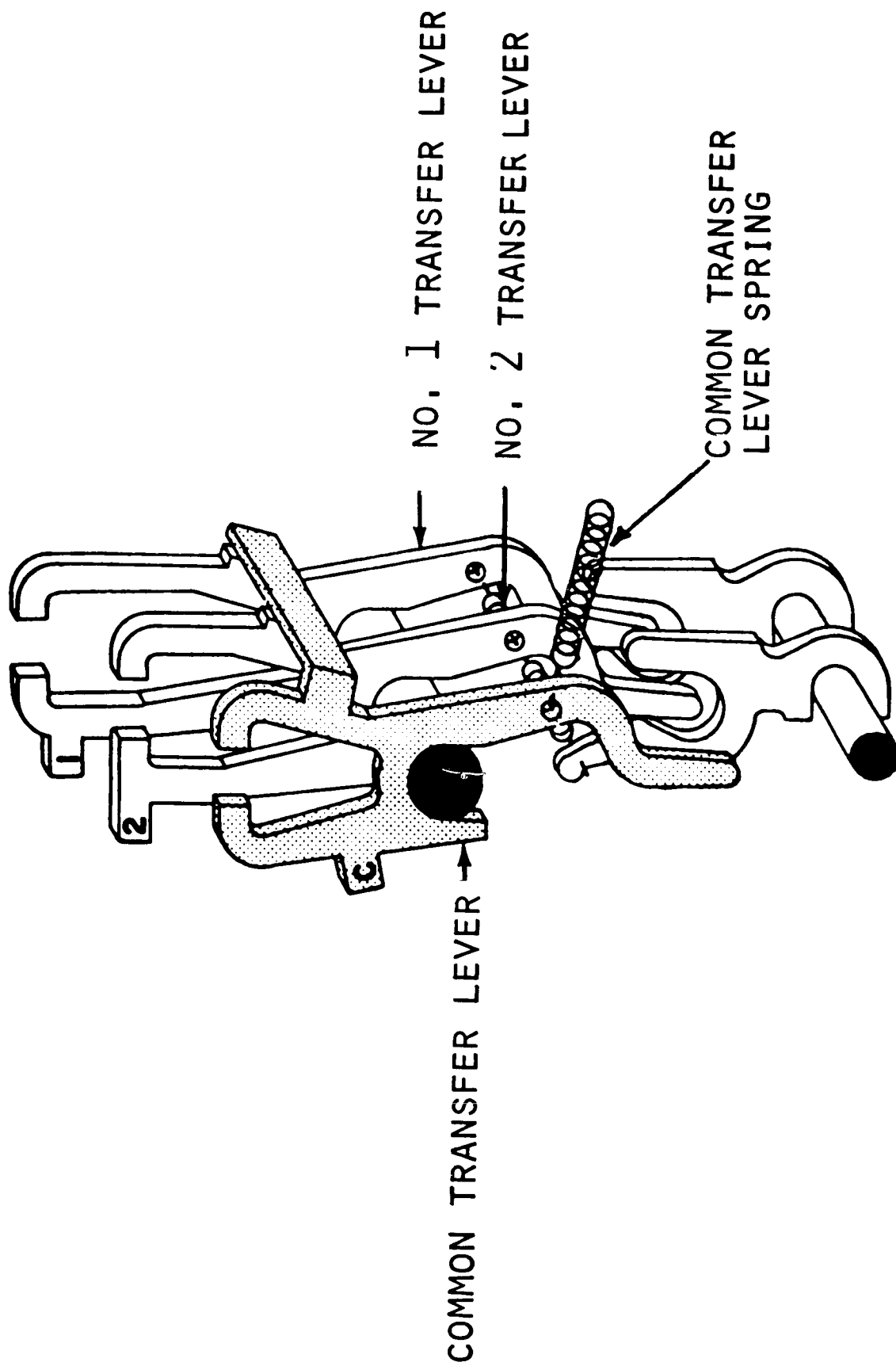


MOD 28 ASR-AN/UGC-6K TRANSFER MECHANISM (SPACING, RIGHT VIEW)

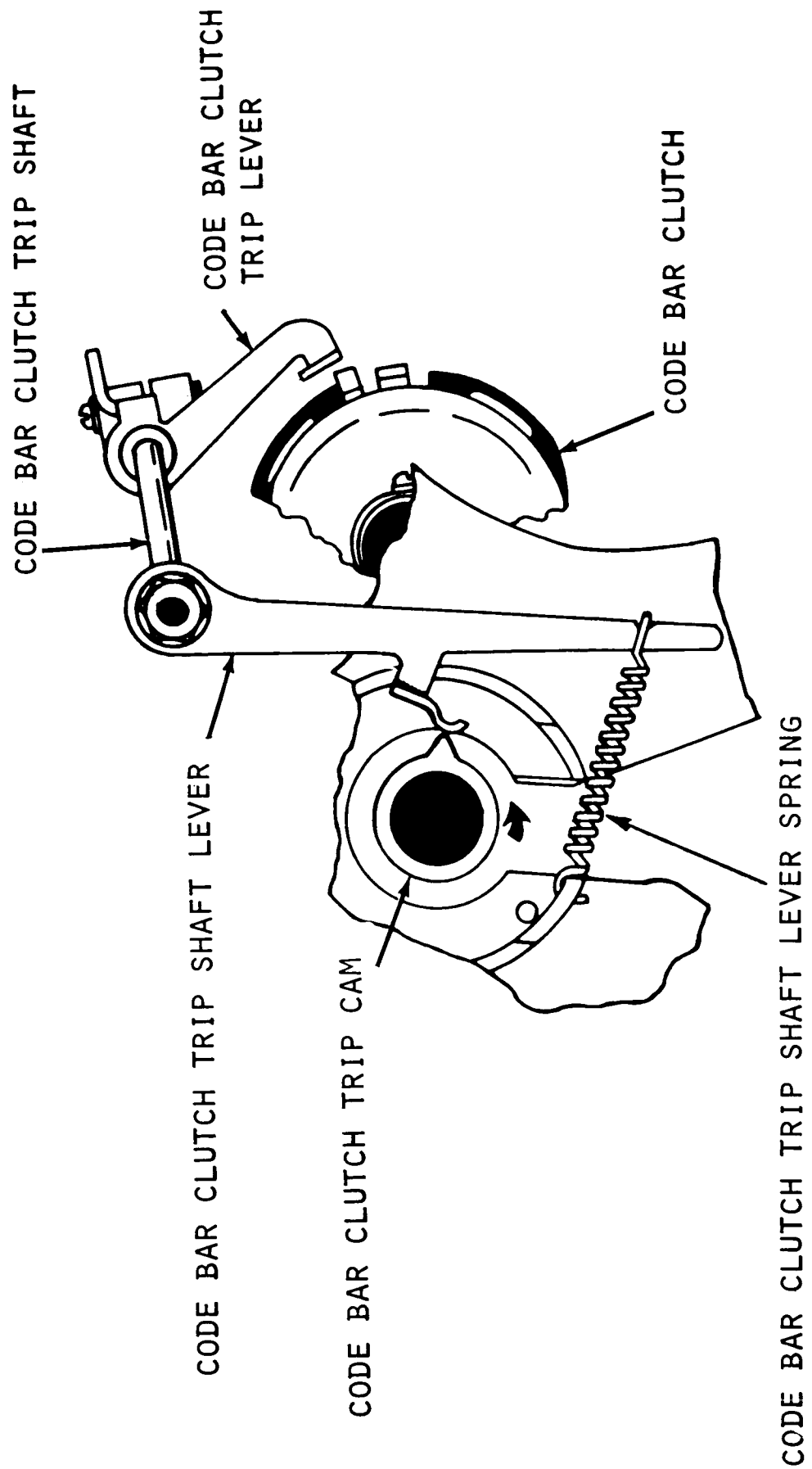
2-1-8D



MOD 28 ASR-AN/UGC-6K PUSH LEVER RESET (RIGHT VIEW)

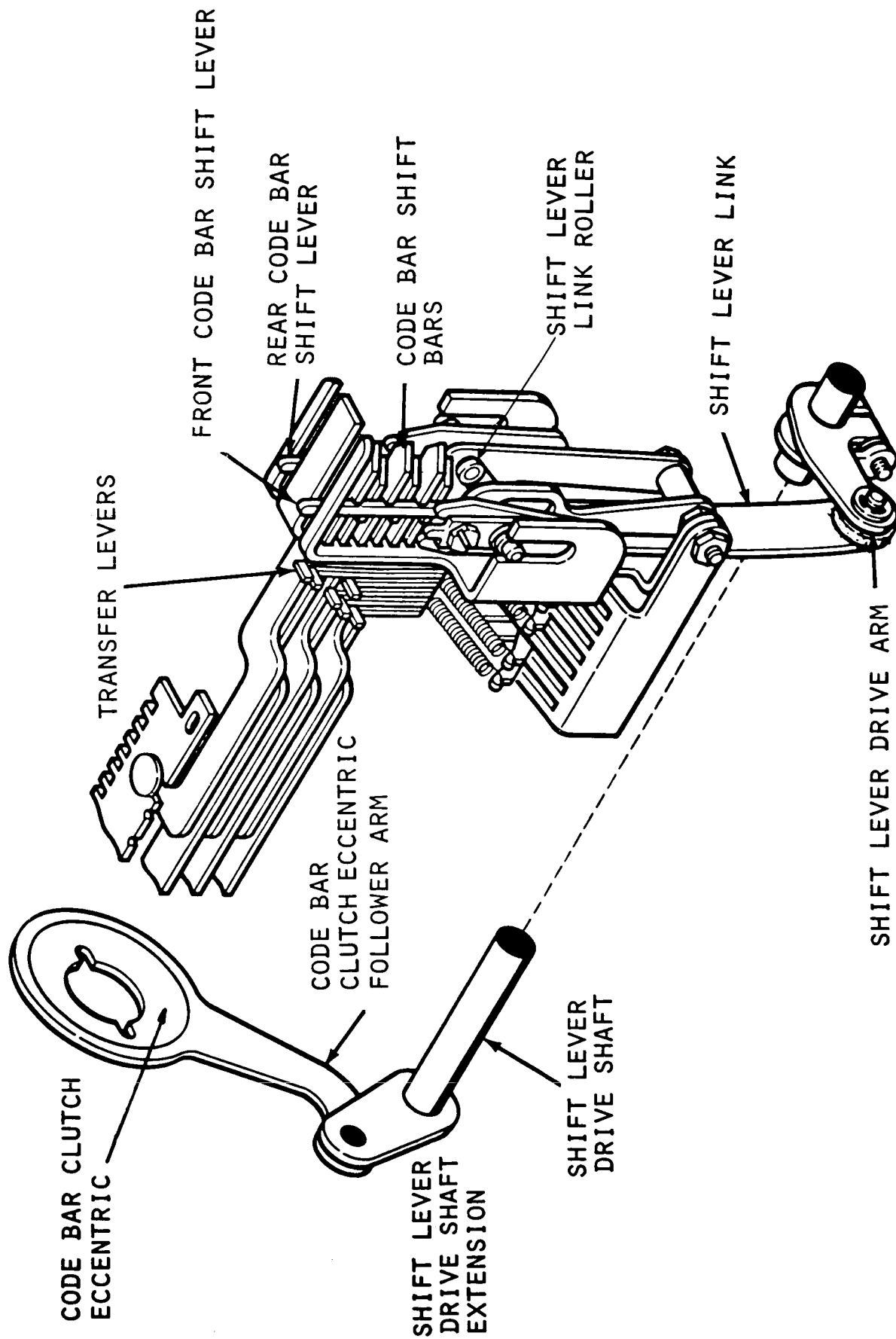


MOD 28 ASR-AN/UGC-6K COMMON TRANSFER LEVER (RIGHT VIEW)

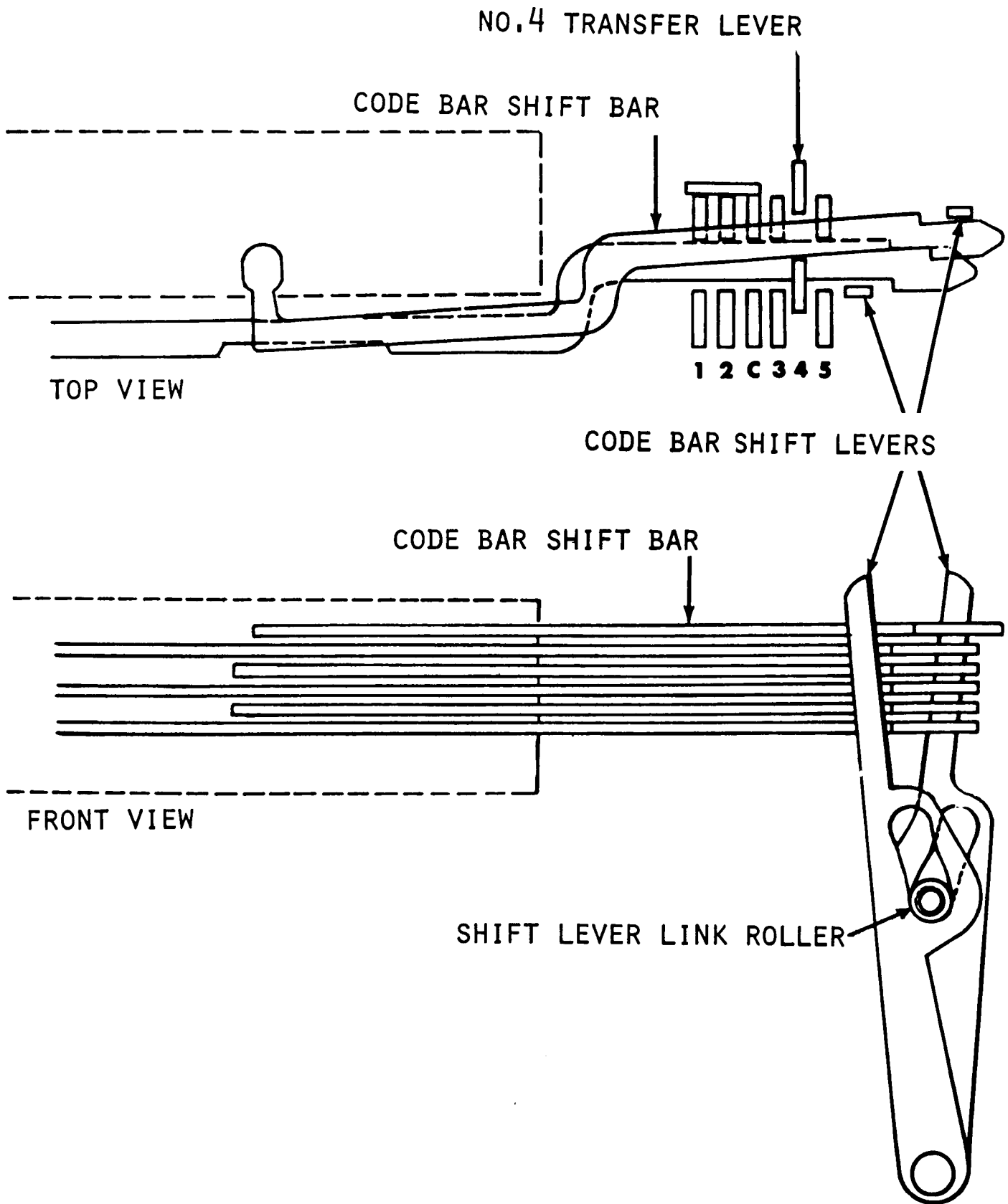


MOD28 MOD 28 ASR-AN/UGC-6K CODE BAR CLUTCH TRIP (RIGHT VIEW)

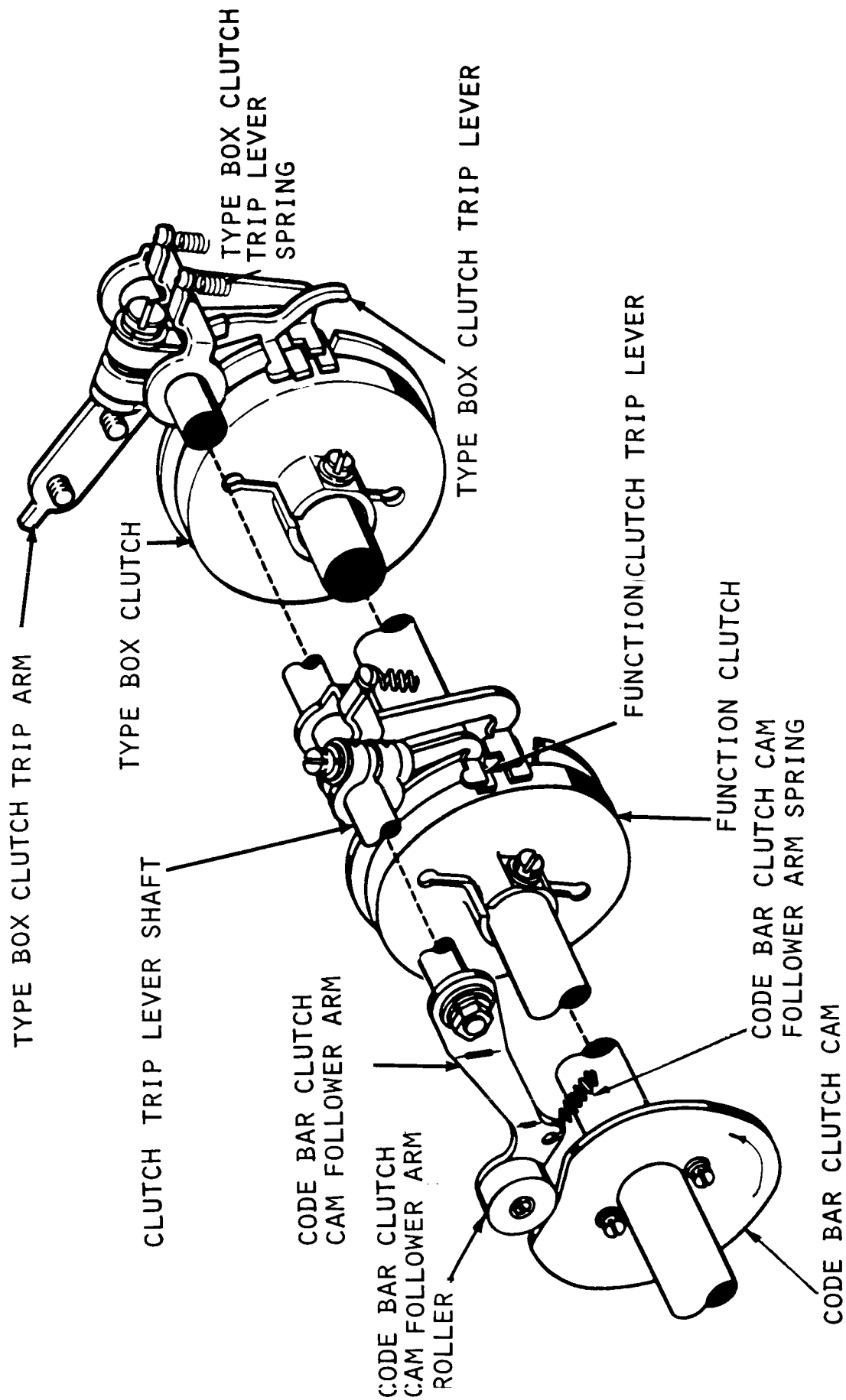
2-1-11D



MOD 28 ASR-AN/UGC-6K CODE BAR SHIFT MECHANISM #1 (RIGHT VIEW)



MOD 28 ASR-AN/UGC-6K CODE BAR SHIFT MECHANISM #2



MOD 28 ASR-AN/UGC-6K CLUTCH TRIP SHAFT (RIGHT REAR VIEW)

LETTERS (HALF)

FIGURES (HALF)

LEFT (SIDE)

TOP ROW	4 5 MARKING	4 5 MARKING	4 5 MARKING	4 5 MARKING
M	3 4 5	3 4	3 5	3
N	3 4	3	5	3
H	3 5	3	5	3
SPACE	3	5	3	5
2ND ROW	X	3 4 5	3 4	3 5
F	3 4	3	5	3
Y	3 5	3	5	3
S	3	5	3	5
3RD ROW	V	3 4 5	3 4	3 5
C	3 4	3	5	3
P	3 5	3	5	3
I	3	5	3	5
BOTTOM ROW	LETTERS	1 2 3 4 5	1 2 3 4	1 2 3 5
Q	3	5	3	5
U	3	5	3	5
3 MARKING	4TH ROW	3RD ROW	2ND ROW	1ST ROW

RIGHT (SIDE)

4 5 MARKING	4 5 MARKING	4 5 MARKING	4 5 MARKING
BLANK	T	C. R.	O
E	Z	D	B
L F	L	R	G
A	W	J	FIGURES
1 2 3 4 5	1 2 3 4	1 2 3 4	1 2 3 4 5
3 MARKING	4TH ROW	3RD ROW	2ND ROW

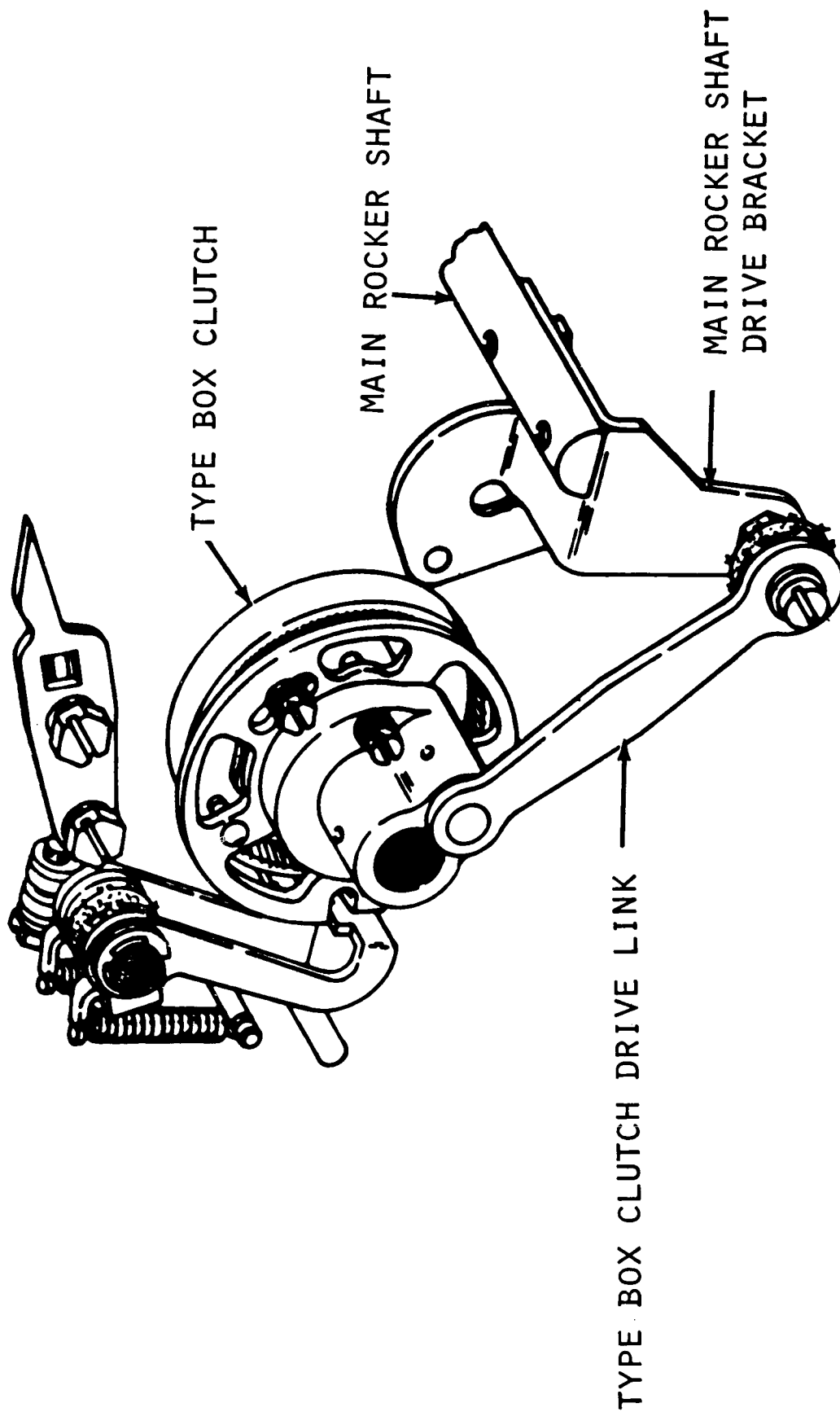
LEFT (SIDE)

4 5 MARKING	4 5 MARKING	4 5 MARKING	4 5 MARKING
.	3 4 5	3 4	3 5
/	3 4 5	3 4	3 5
!	3 4 5	3 4	3 5
BELL	3 4 5	3 4	3 5
;	3 4 5	3 4	3 5
:	3 4 5	3 4	3 5
ø	3 4 5	3 4	3 5
8	3 4 5	3 4	3 5
LETTERS	1 2 3 4 5	1 2 3 4	1 2 3 5
(	3 4 5	3 4	3 5
1	3 4 5	3 4	3 5
7	3 4 5	3 4	3 5
3 MARKING	4TH ROW	3RD ROW	2ND ROW

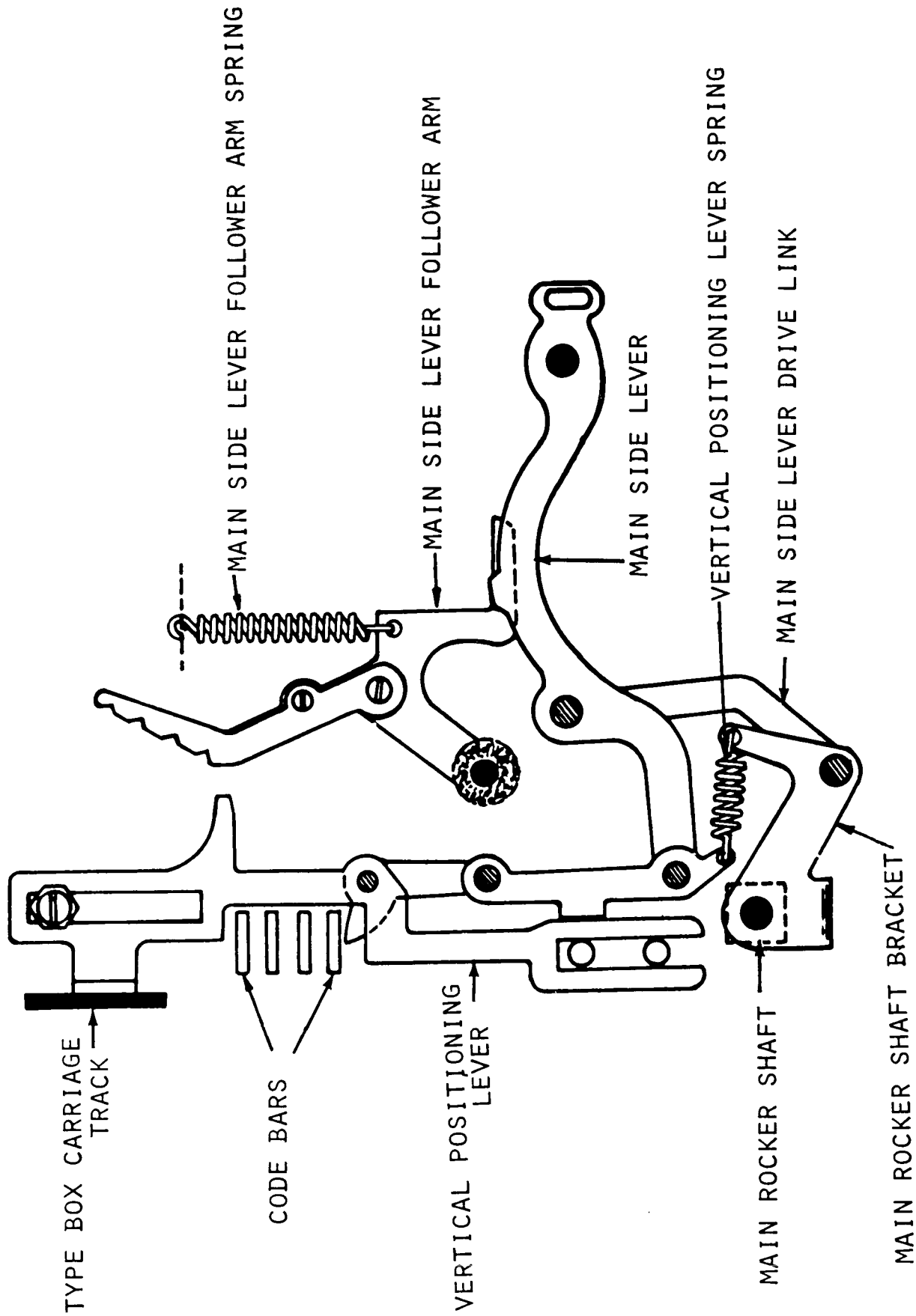
RIGHT (SIDE)

4 5 MARKING	4 5 MARKING	4 5 MARKING	4 5 MARKING
BLANK	5	C. R.	9
3	5	5	5
?	5	5	5
L F	5	5	5
4	5	5	5
8	5	5	5
FIGURES	5	5	5
1 2 3 4 5	1 2 3 4	1 2 3 4	1 2 3 4 5
3 MARKING	4TH ROW	3RD ROW	2ND ROW

MOD 28 ASR-AN/UGC-6K CONFIGURATION OF THE TYPE BOX

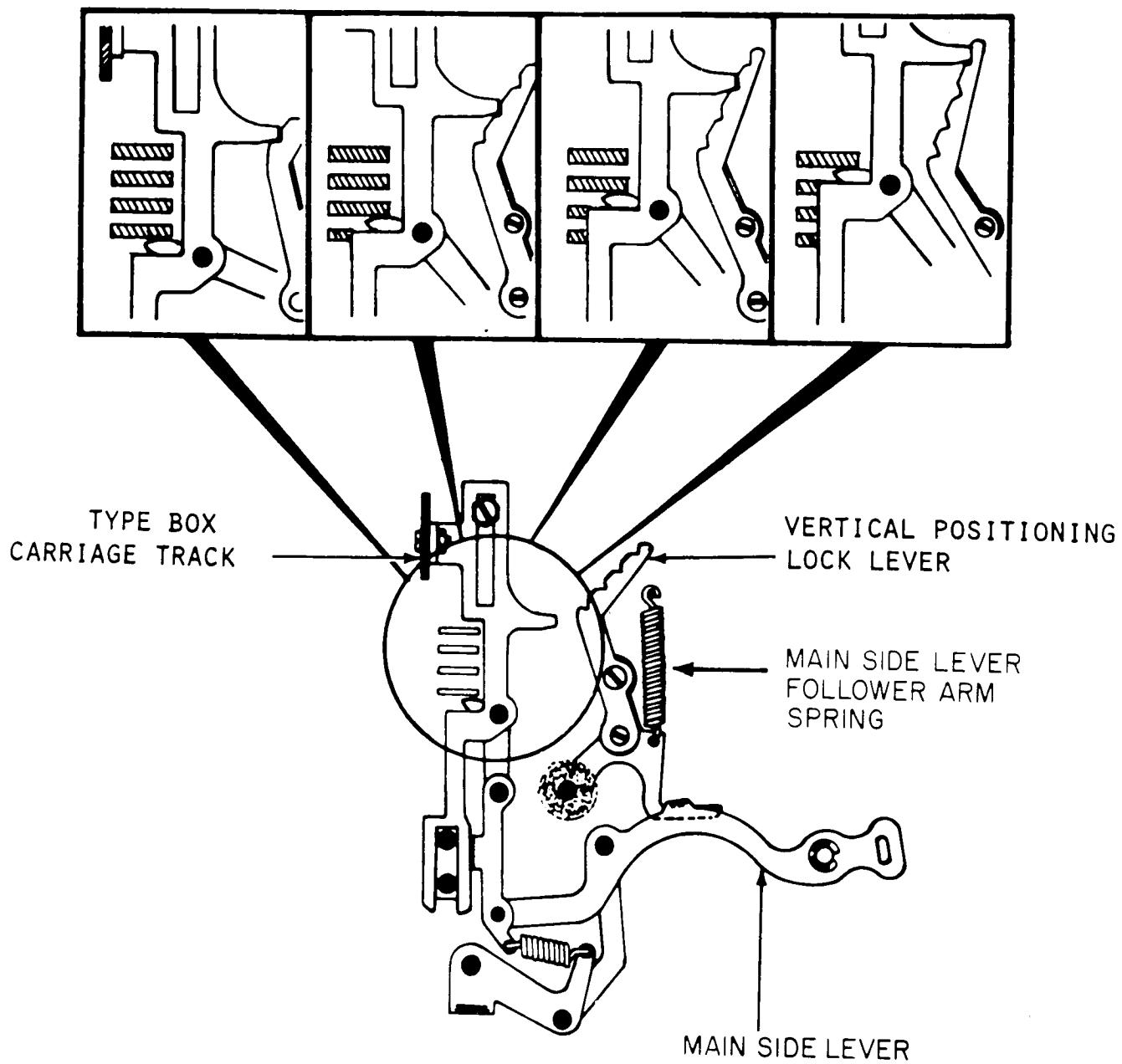


MOD 28 ASR-AN/UGC-6K TYPE BOX CLUTCH (LEFT VIEW)

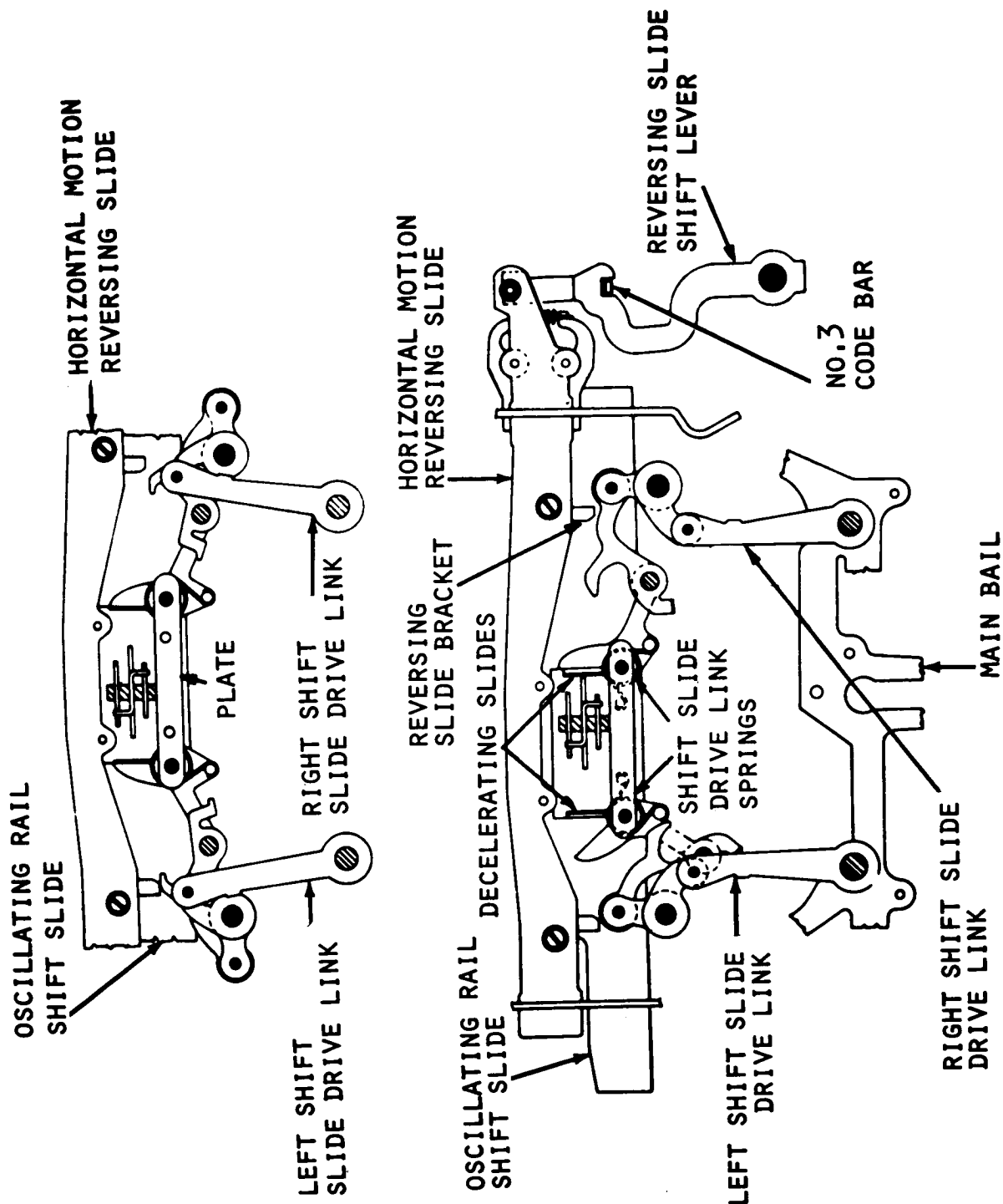


MOD 28 ASR-AN/UGC-6K VERTICAL POSITIONING (RIGHT VIEW)

2-2-4D

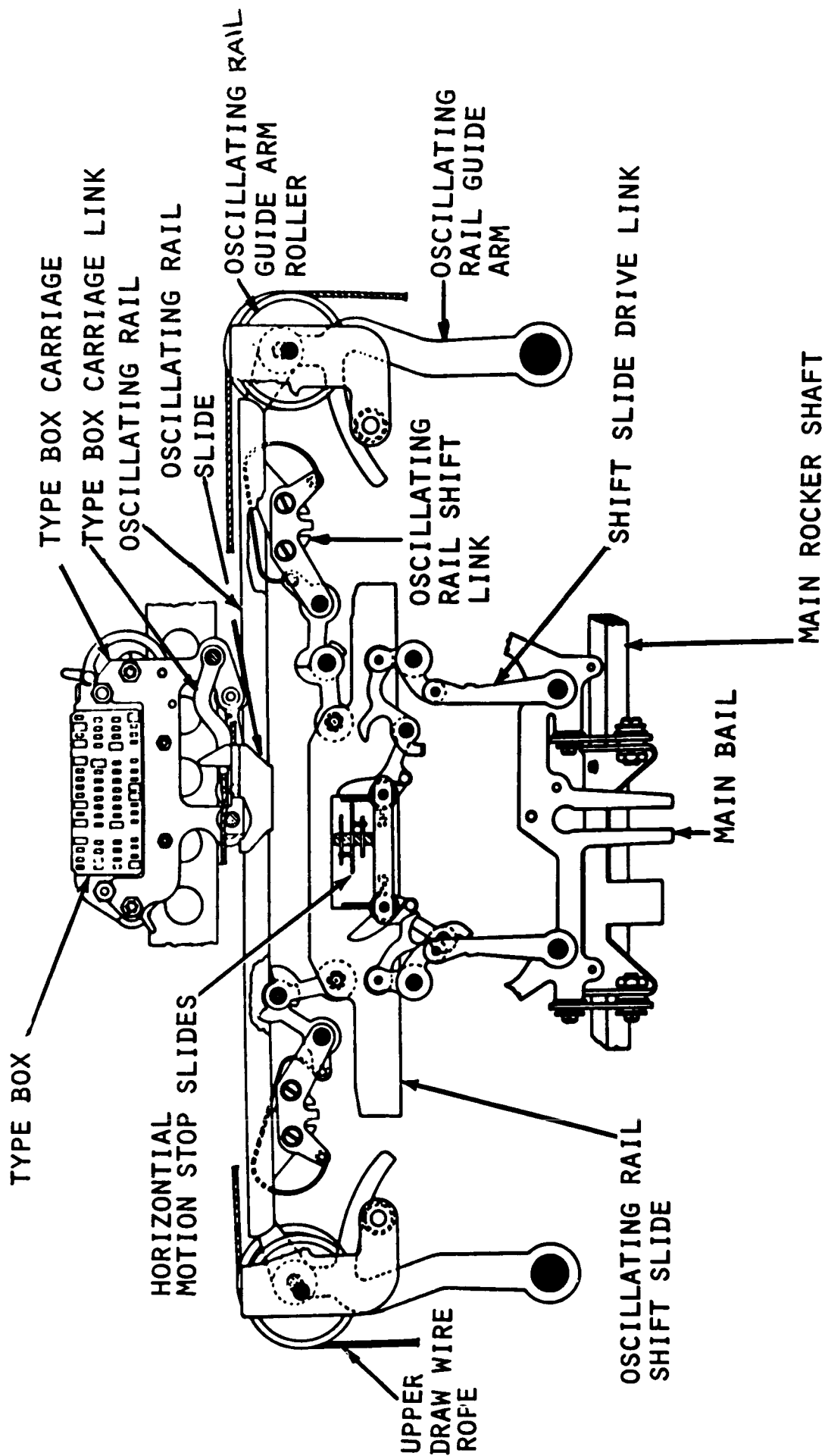


MOD 28 ASR-AN/UGC-6K VERTICAL POSITIONING LOCK LEVERS (RIGHT VIEW)



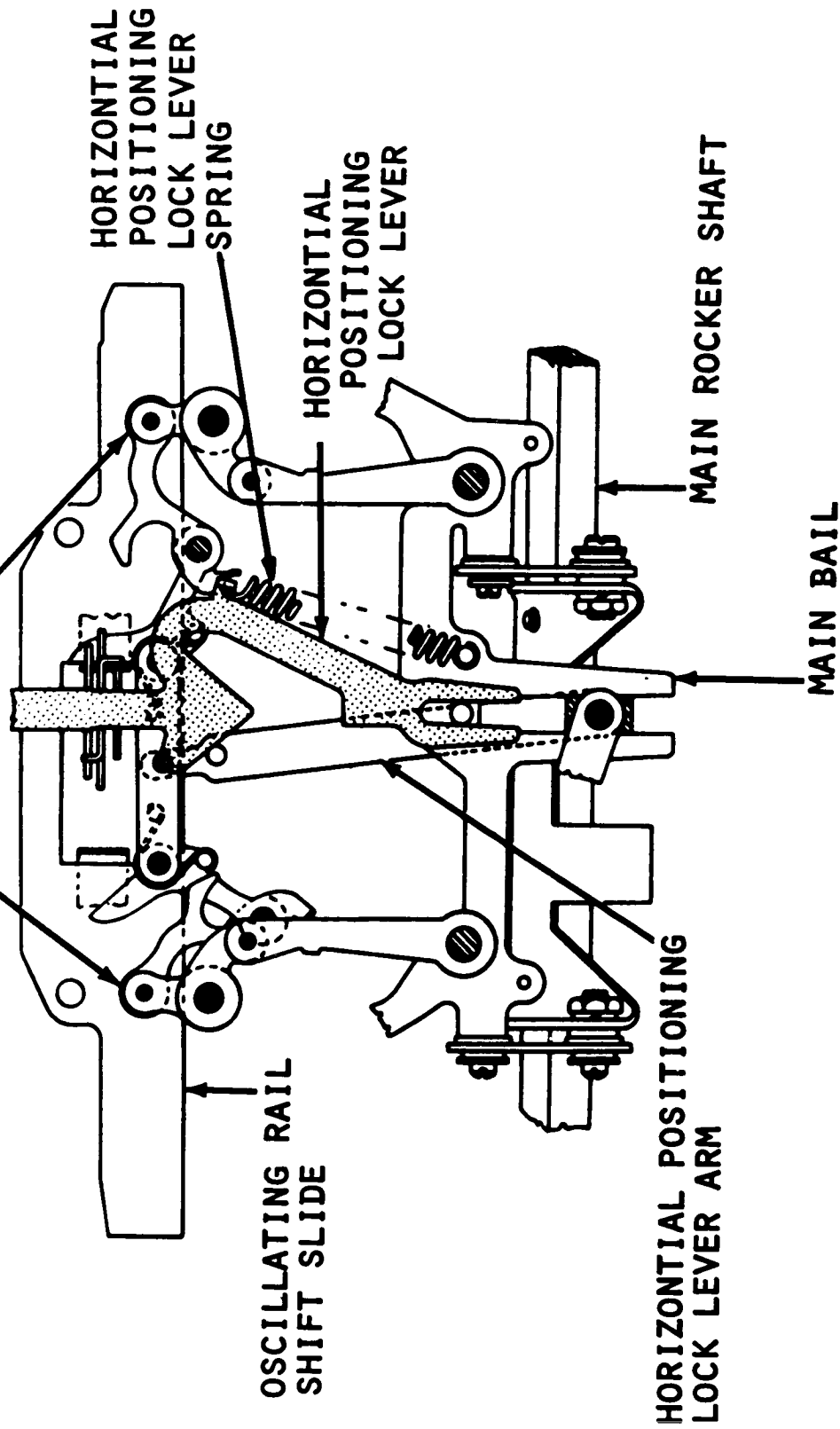
MOD 28 ASR-AN/UGC-6K REVERSING SLIDE

2-3-1D



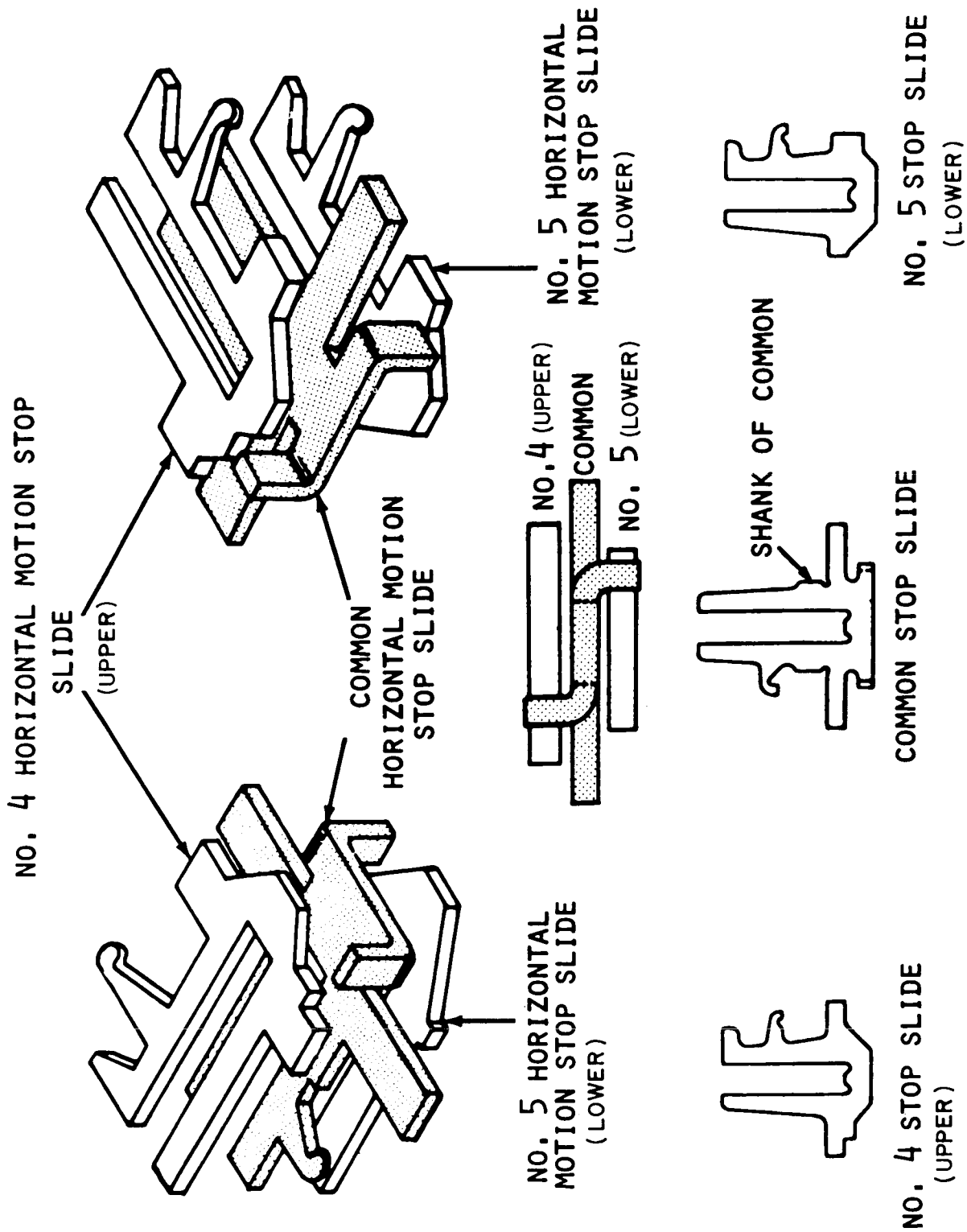
MOD 28 ASR-AN/UGC-6K HORIZONTAL POSITIONING

SHIFT SLIDE DRIVE LINK ASSEMBLIES

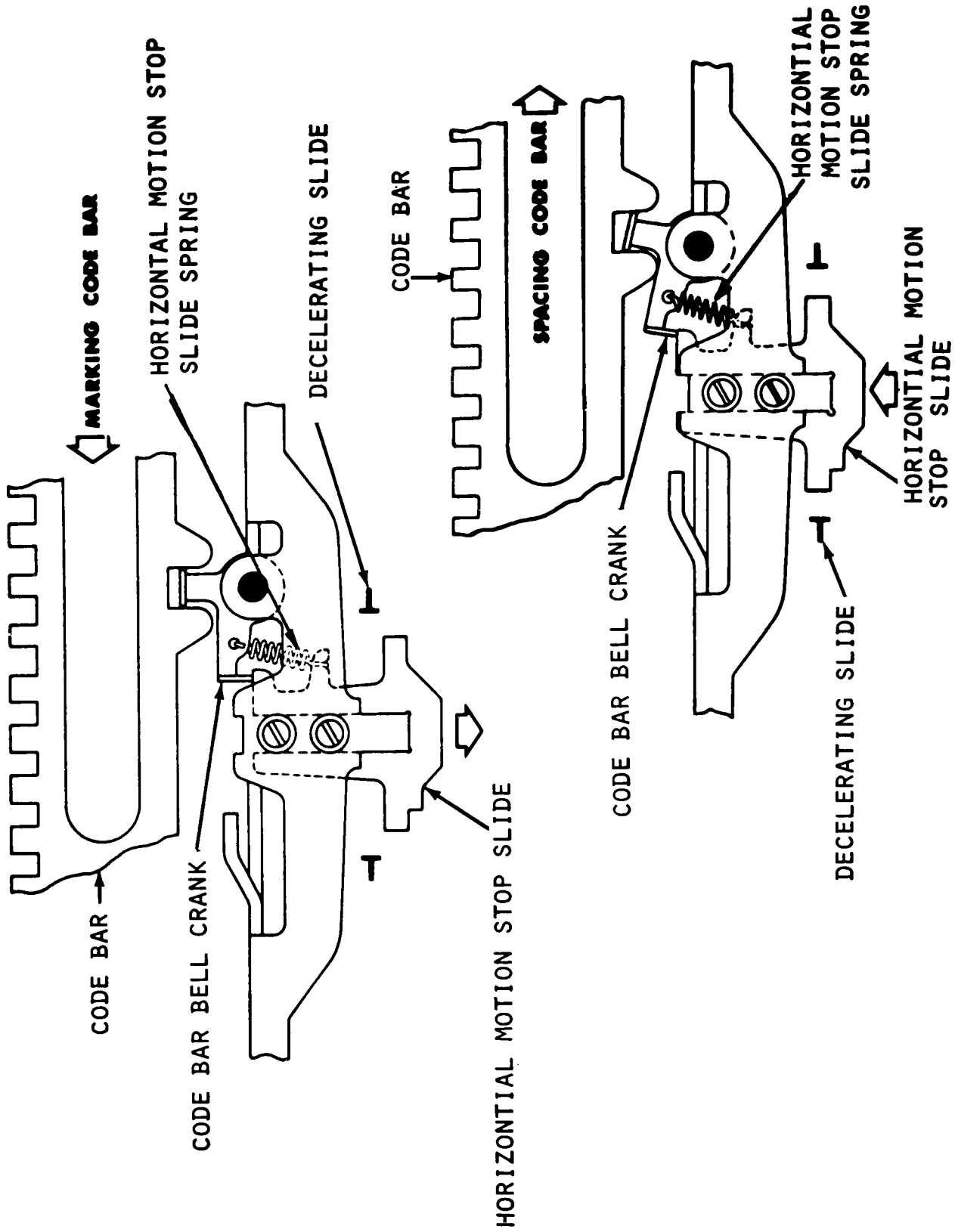


MOD 28 ASR-AN/UGC-6K HORIZONTAL POSITIONING LOCK LEVER

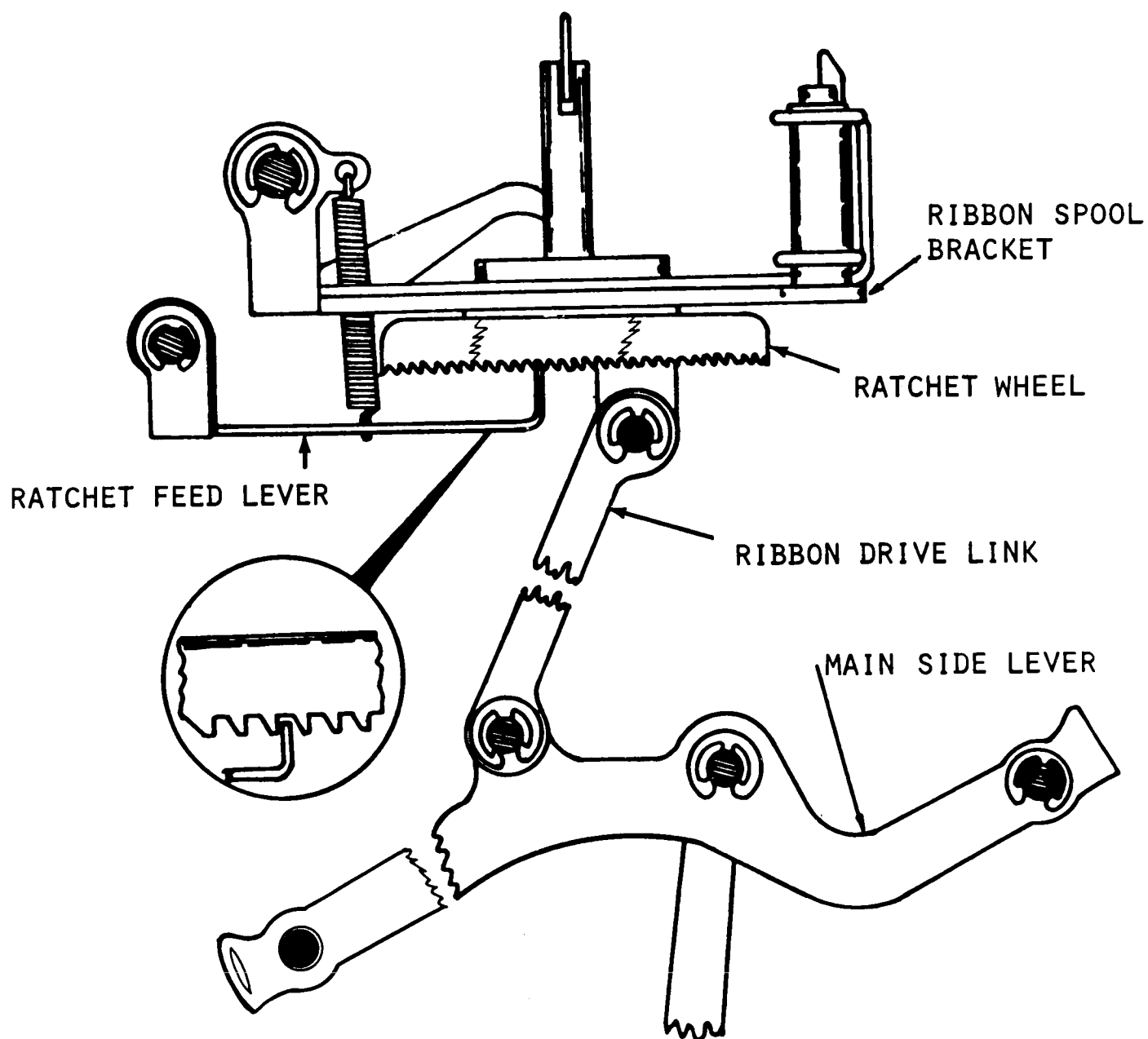
2-3-3D



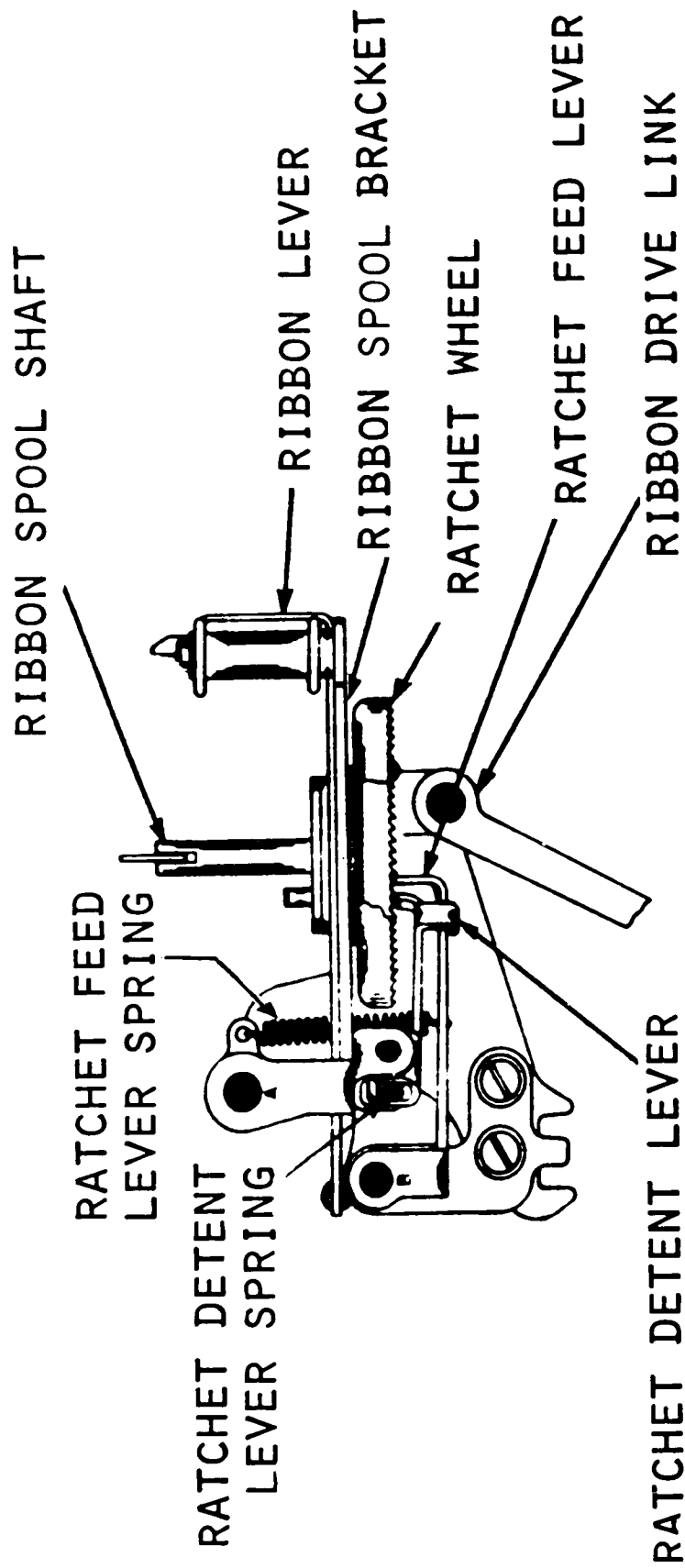
MOD 28 ASR-AN/UGC-6K HORIZONTAL MOTION STOP SLIDES



MOD 28 ASR-AN/UGC-6K HORIZONTAL MOTION STOP SLIDE POSITIONING (TOP VIEW)

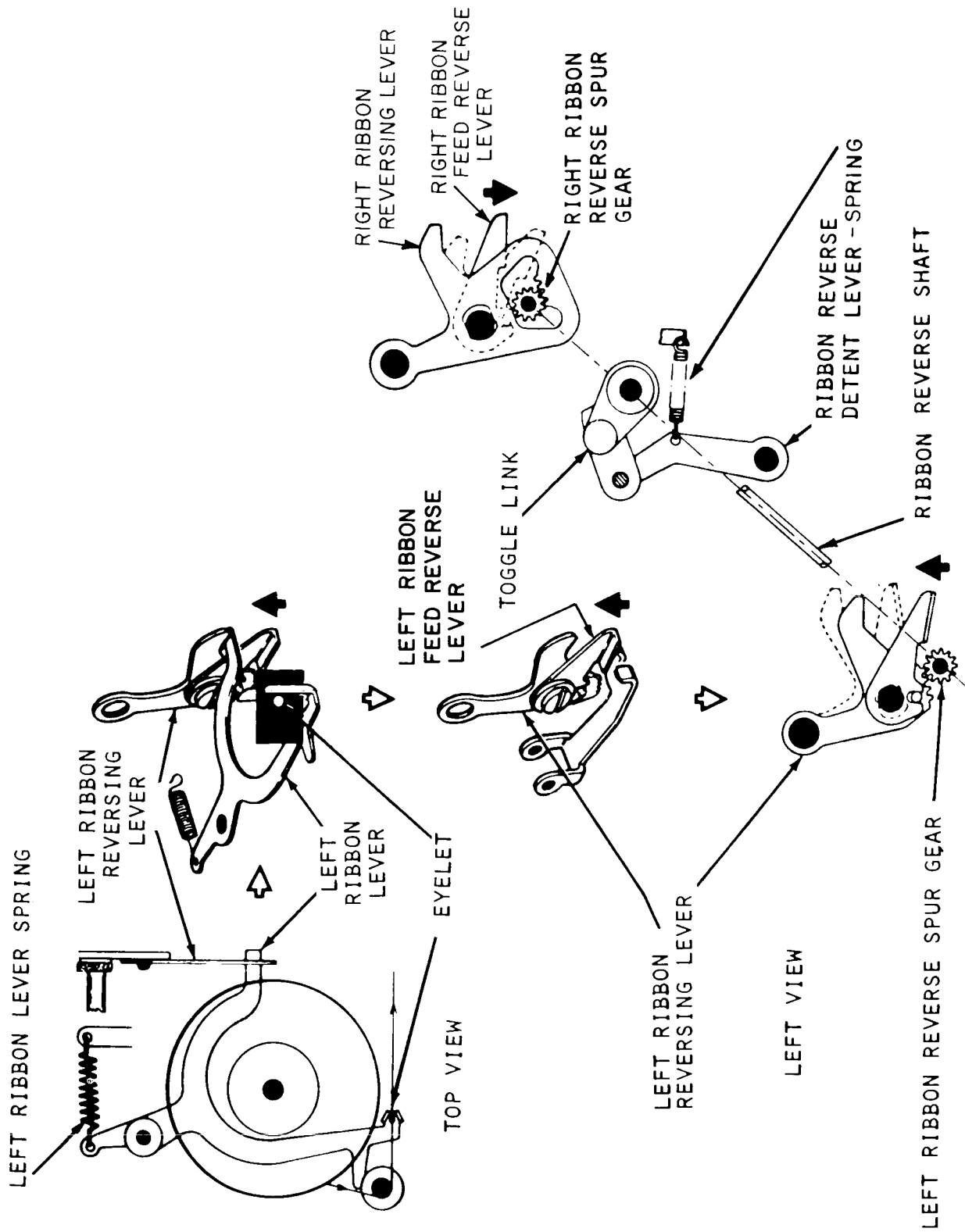


MOD 28 ASR-AN/UGC-6K RIBBON OSCILLATION (LEFT VIEW)

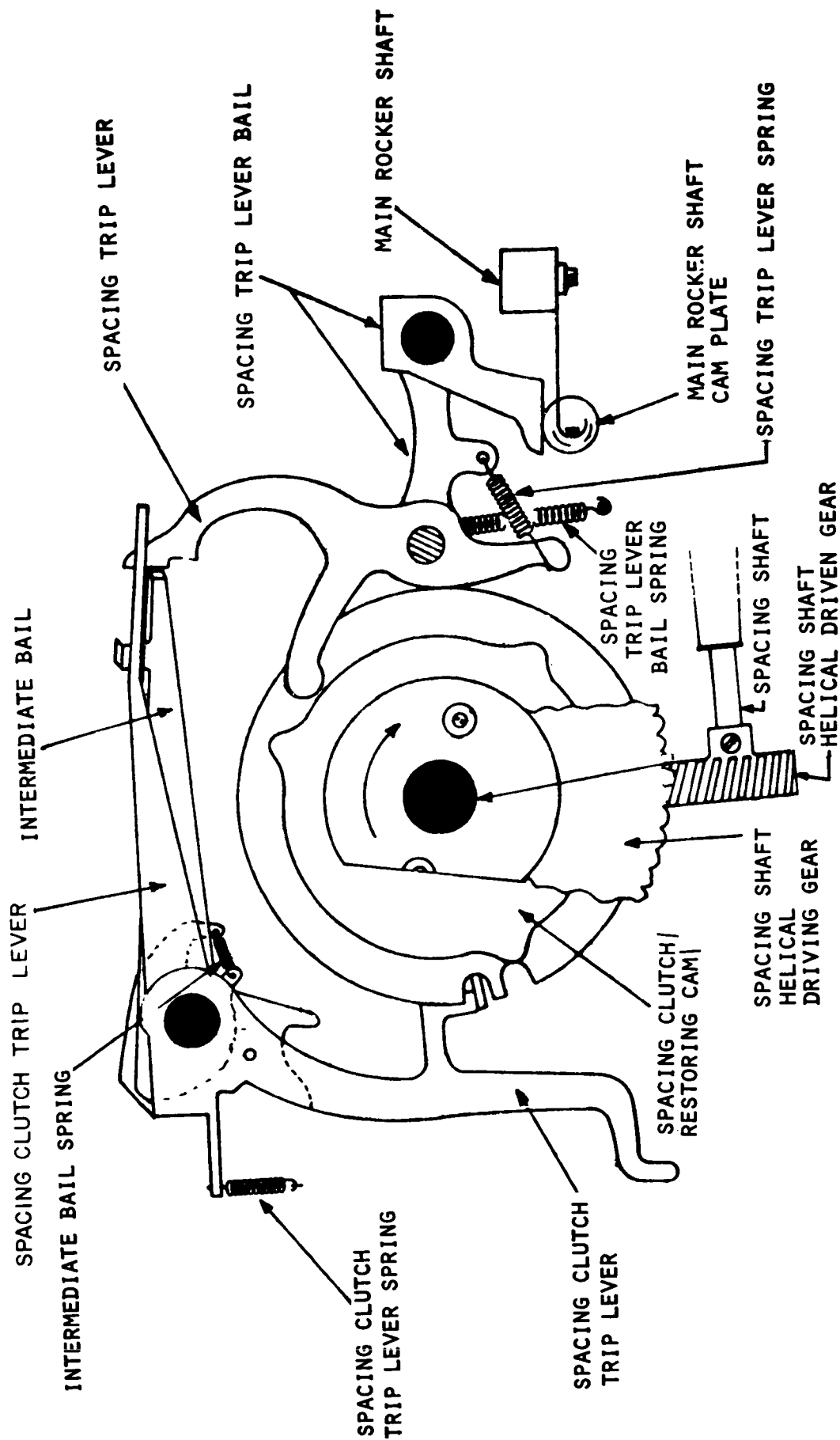


MOD 28 ASR - AN/UGC-6K- RIBBON FEED (LEFT VIEW)

2-3-7D

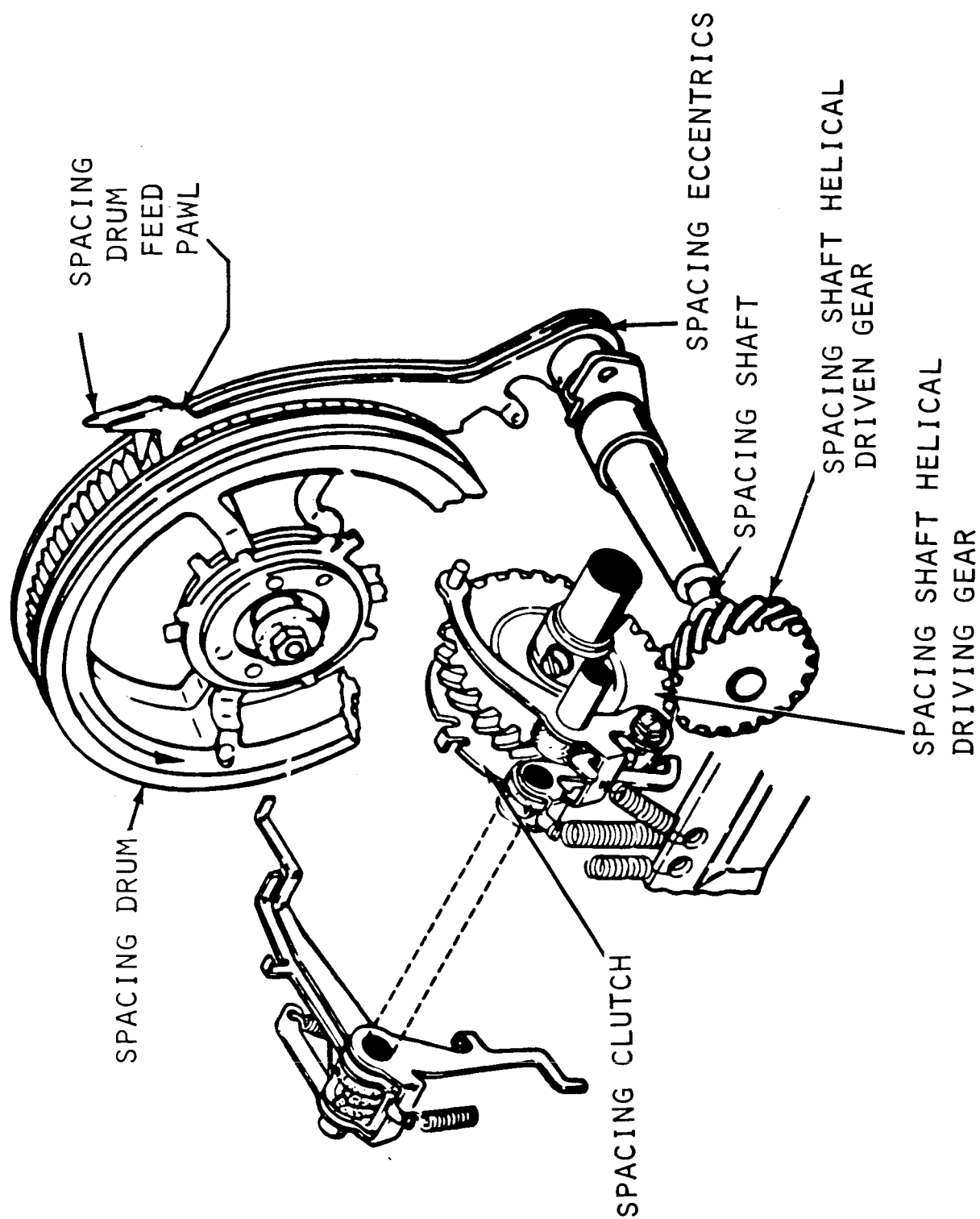


MOD 28 ASR-AN/UGC -6K RIBBON REVERSE

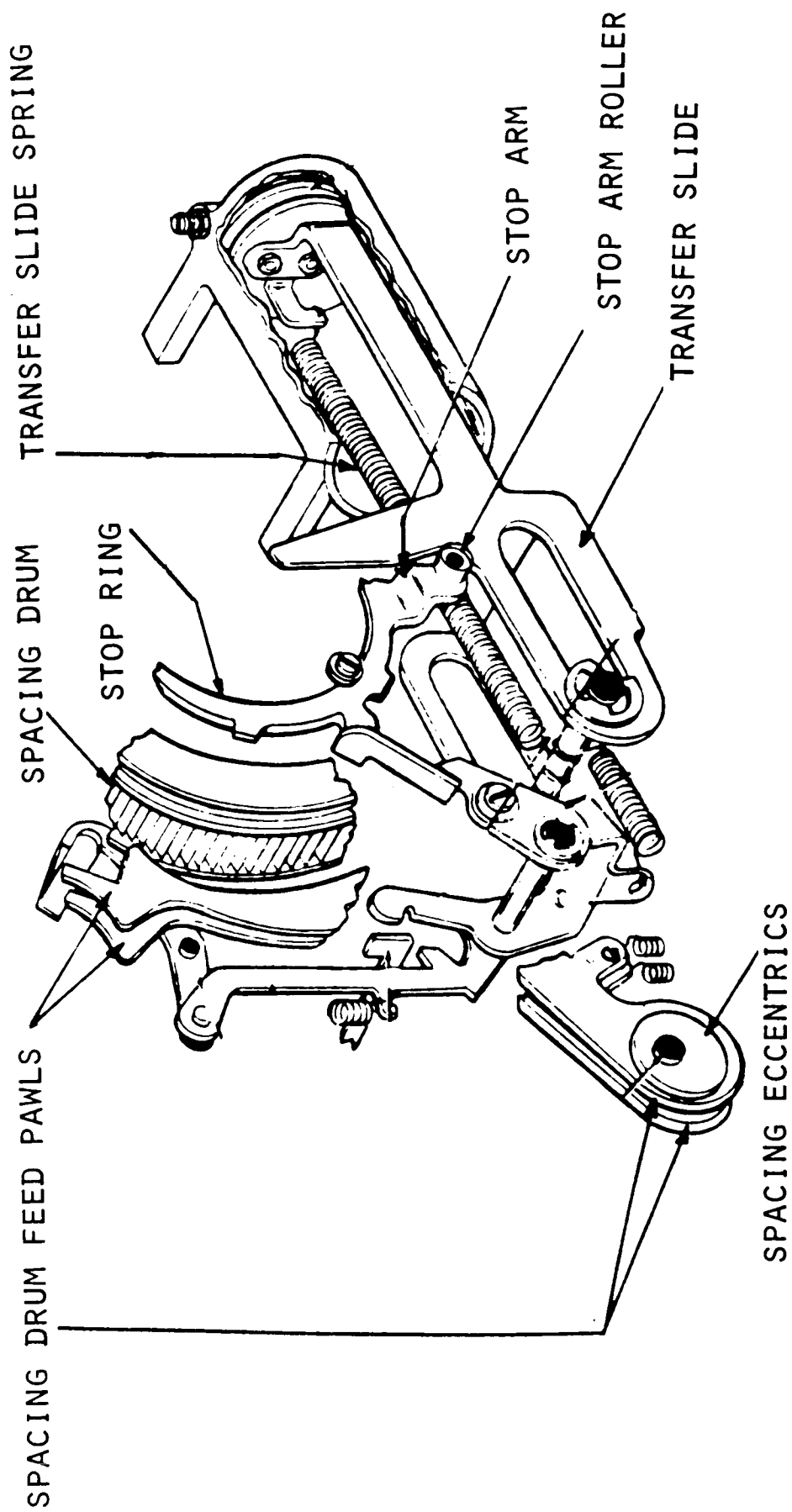


MOD 28 ASR-AN/UGC-6K SPACING TRIP MECHANISM (LEFT VIEW)

2-3-9D

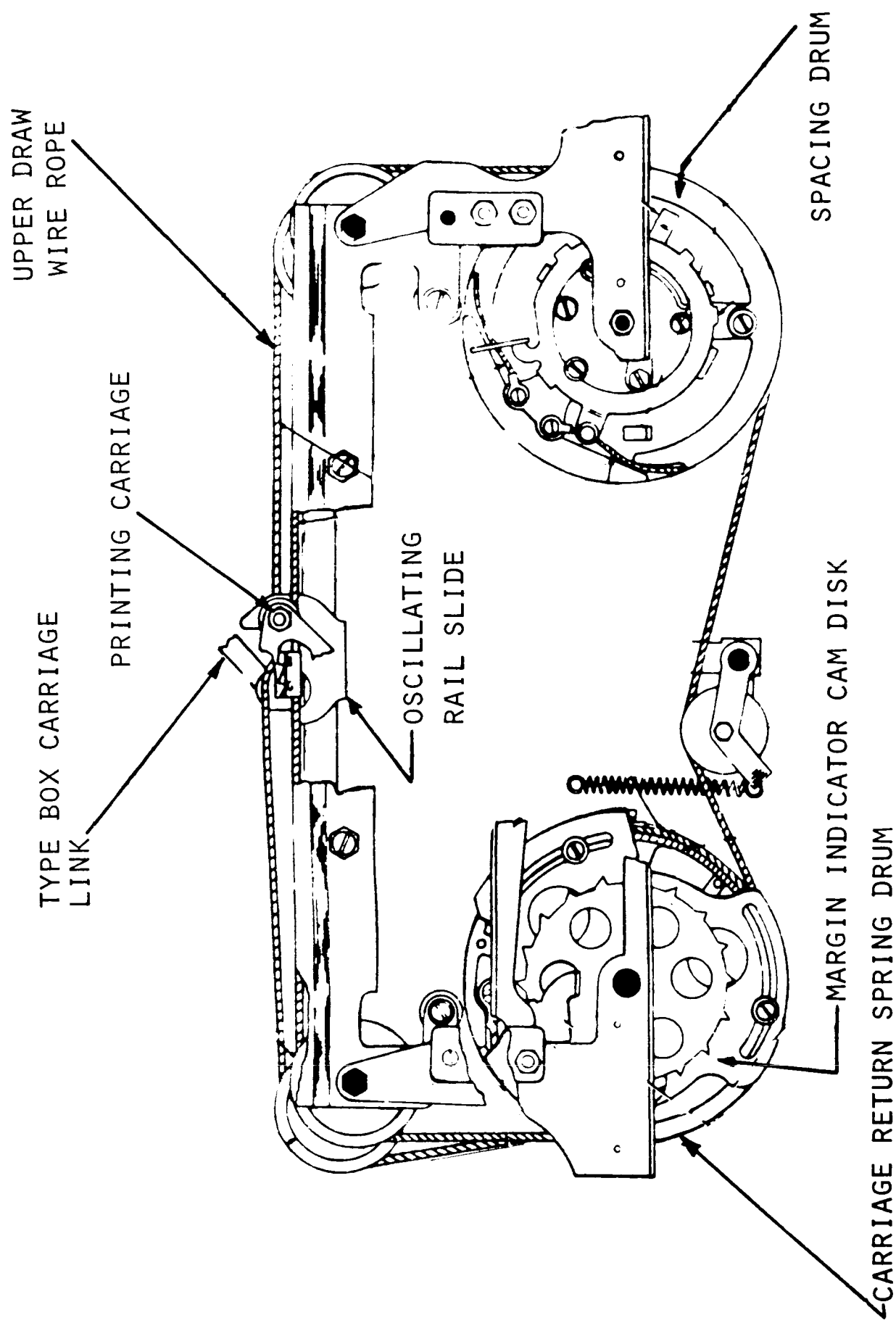


MOD 28 ASR-AN/UGC-6K SPACING FEED PAWLS (REAR VIEW)

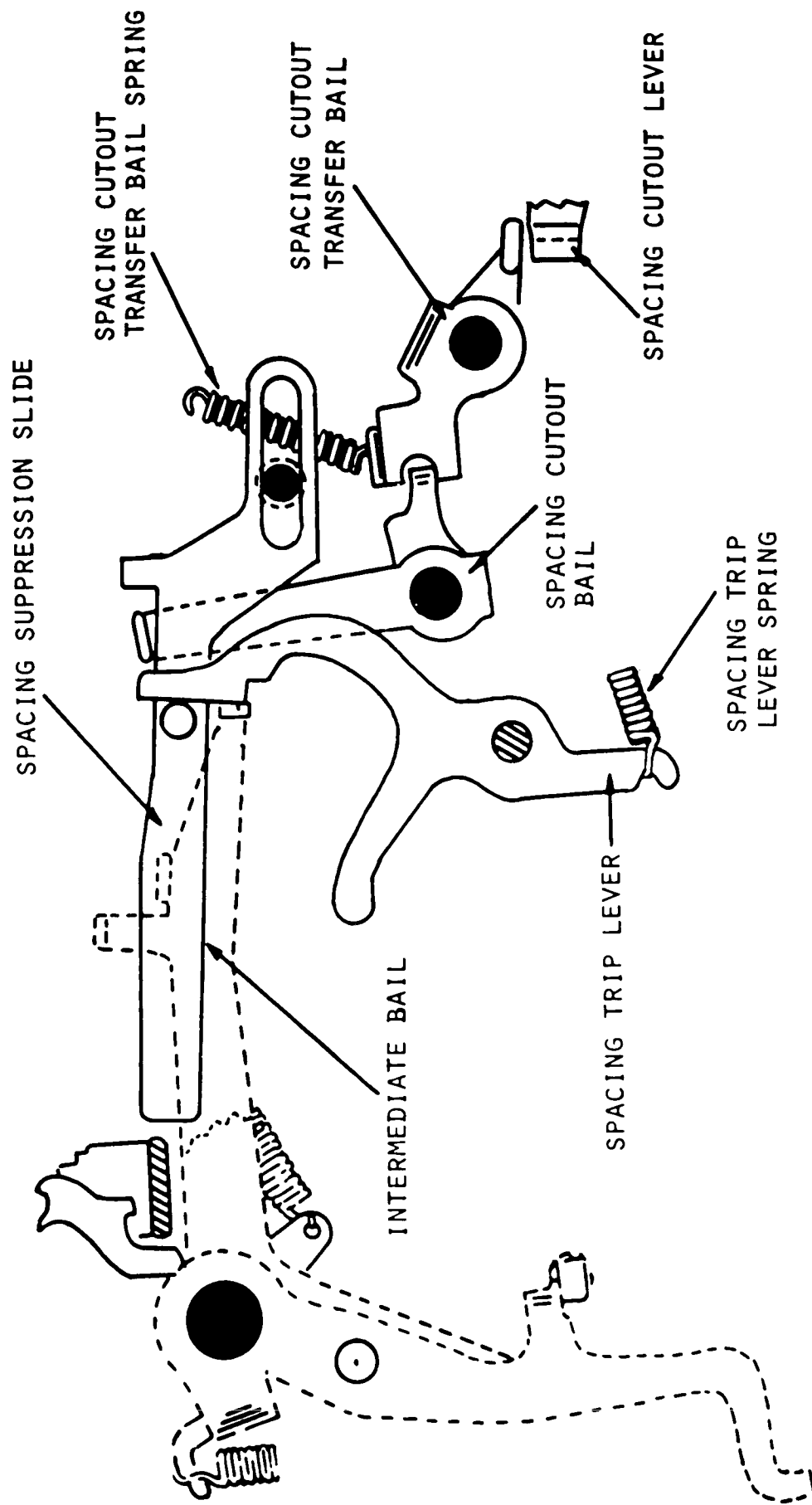


MOD 28 ASR AN/UGC-6K SPACING MECHANISM #1

2-3-11D

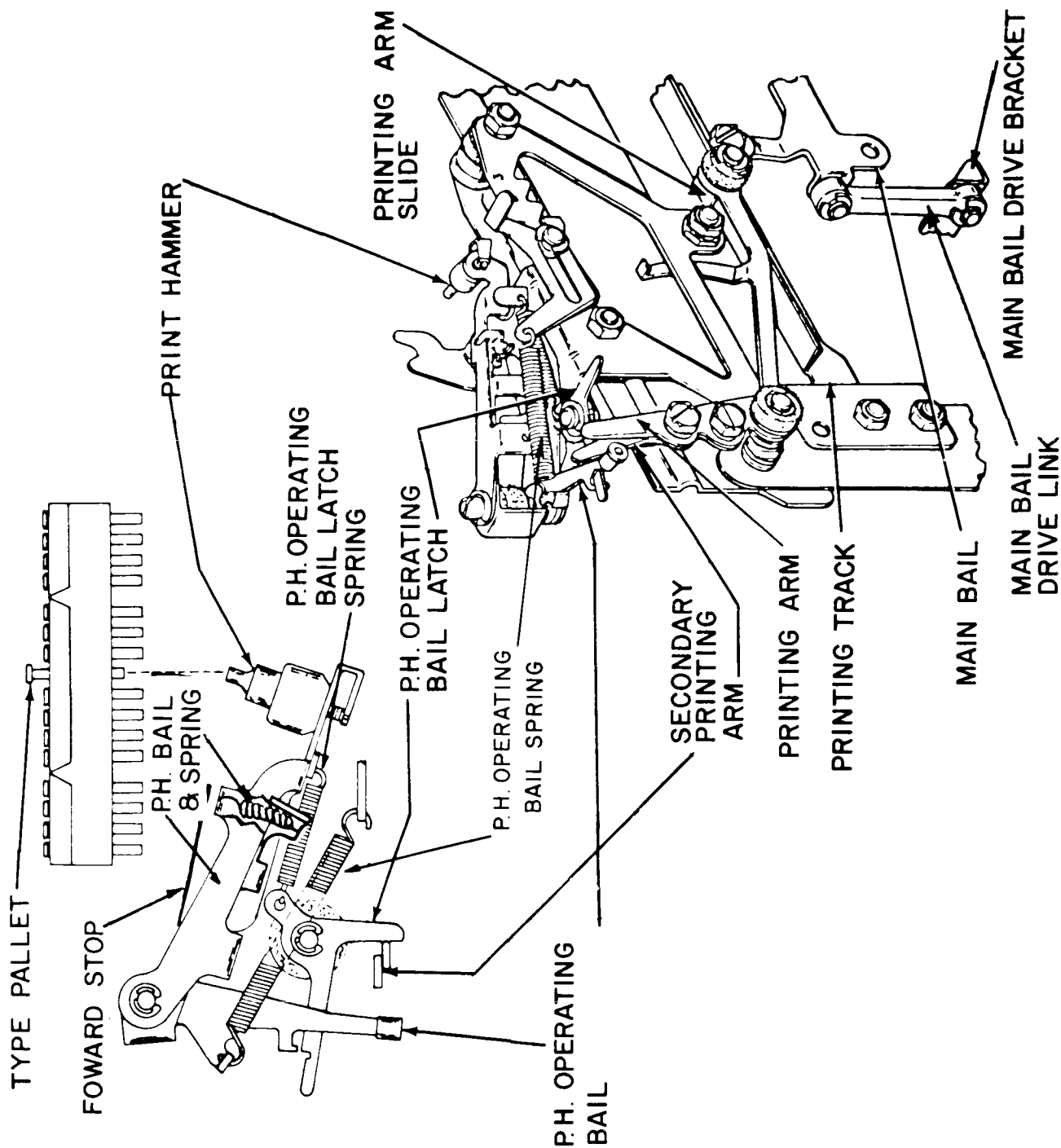


MOD 28 ASR AN/UGC -6K SPACING MECHANISM #2

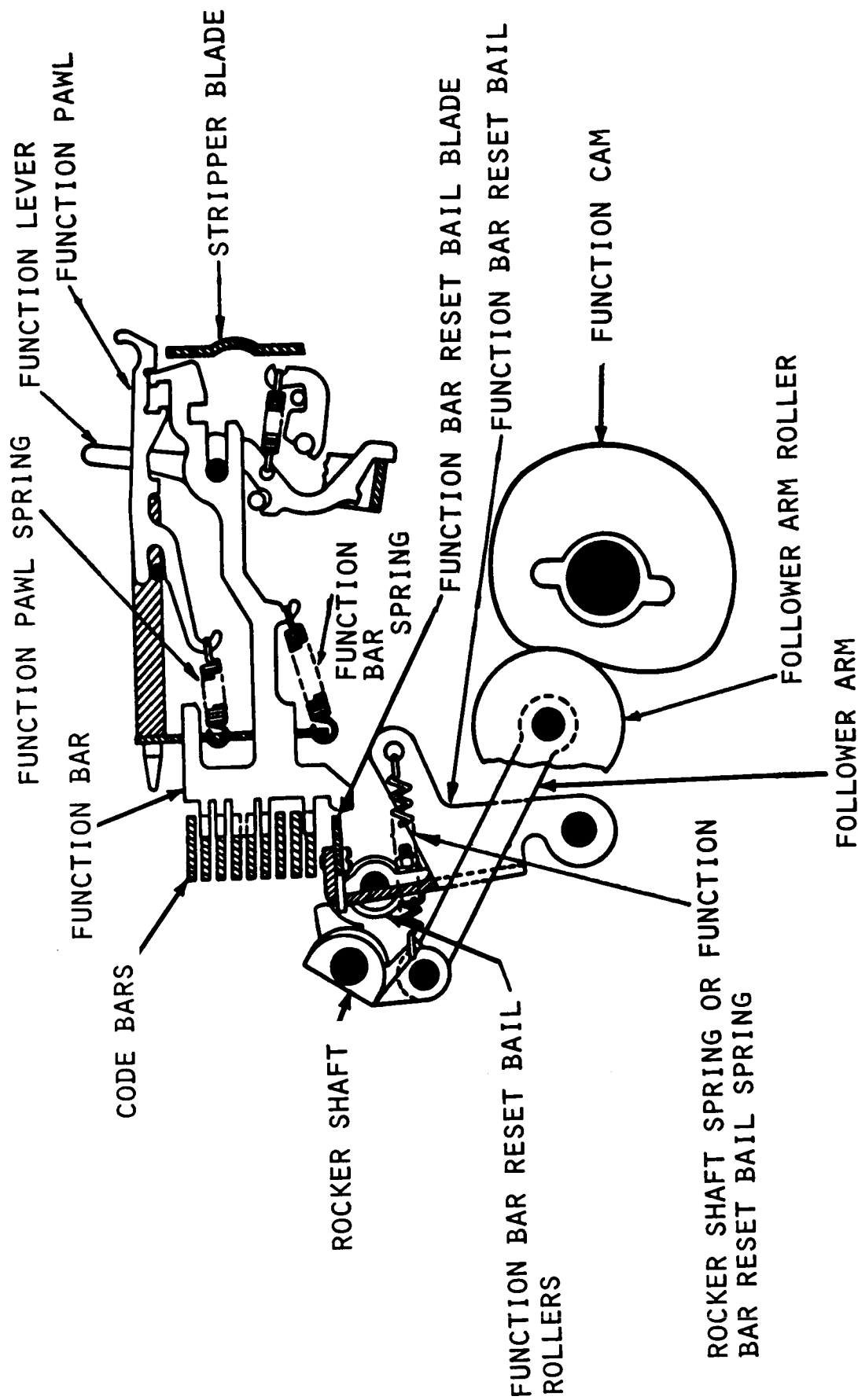


MOD 28 ASR-AN/UGC-6K SPACING CUTOUT (LEFT VIEW)

2-3-13D

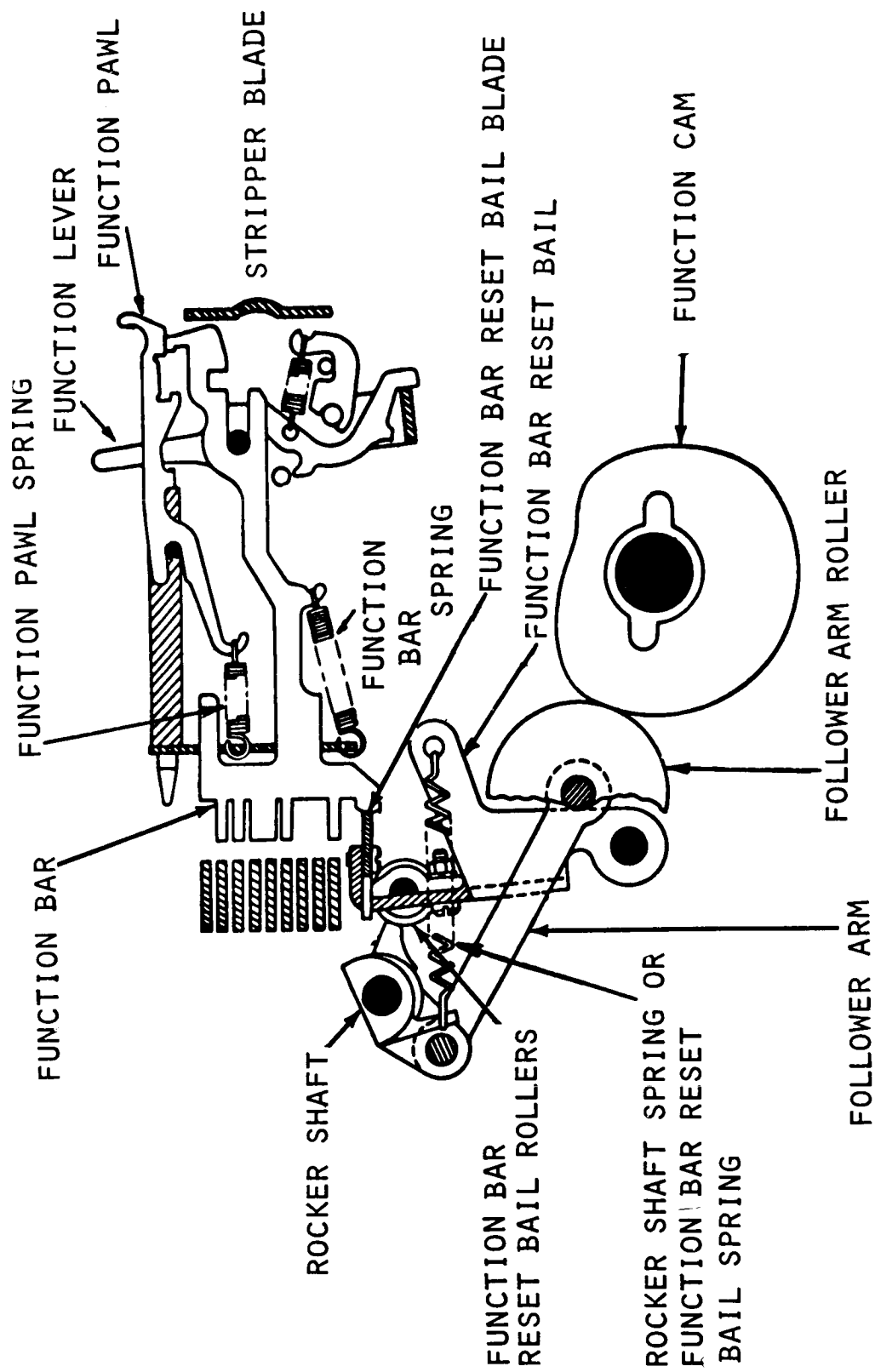


MOD 28 ASR-AN/UGC-6K- PRINTING MECHANISM

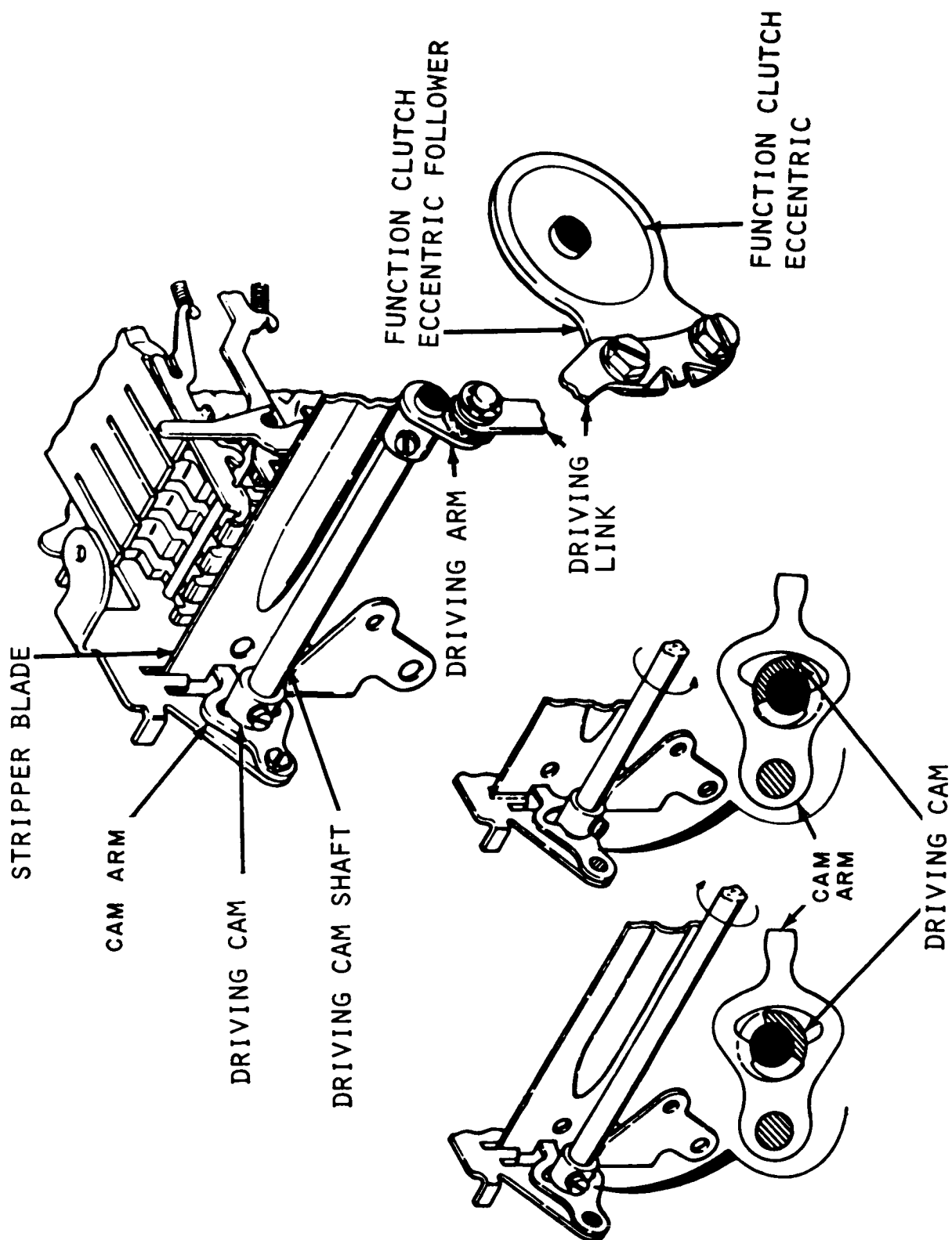


MOD 28 ASR-AN/UGC-6K RESET BAIL (INITIAL POSITION)(RIGHT VIEW)

2-4-2D

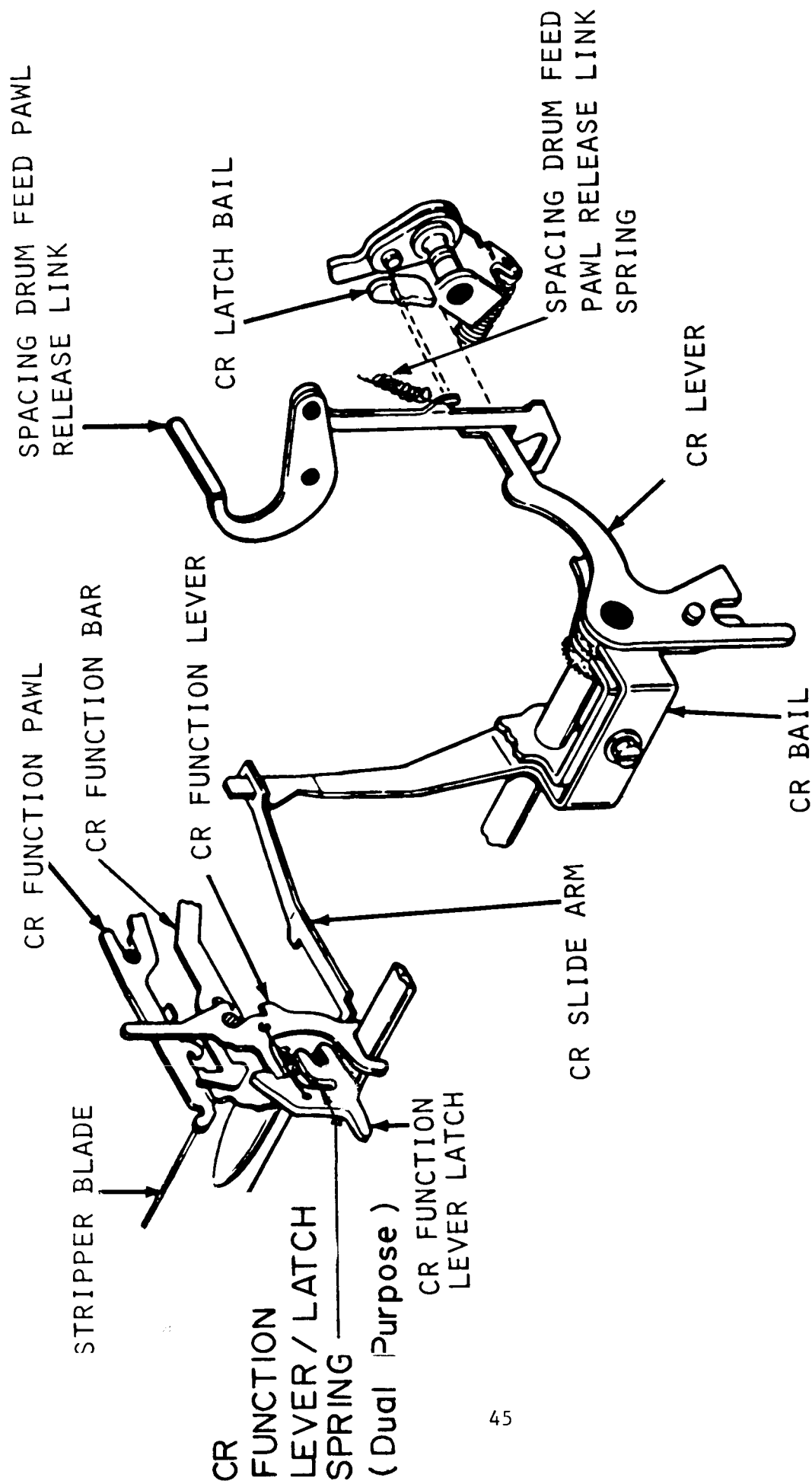


MOD 28 ASR/AN/UGC-6K RESET BAIL (FINAL POSITION)(RIGHT VIEW)

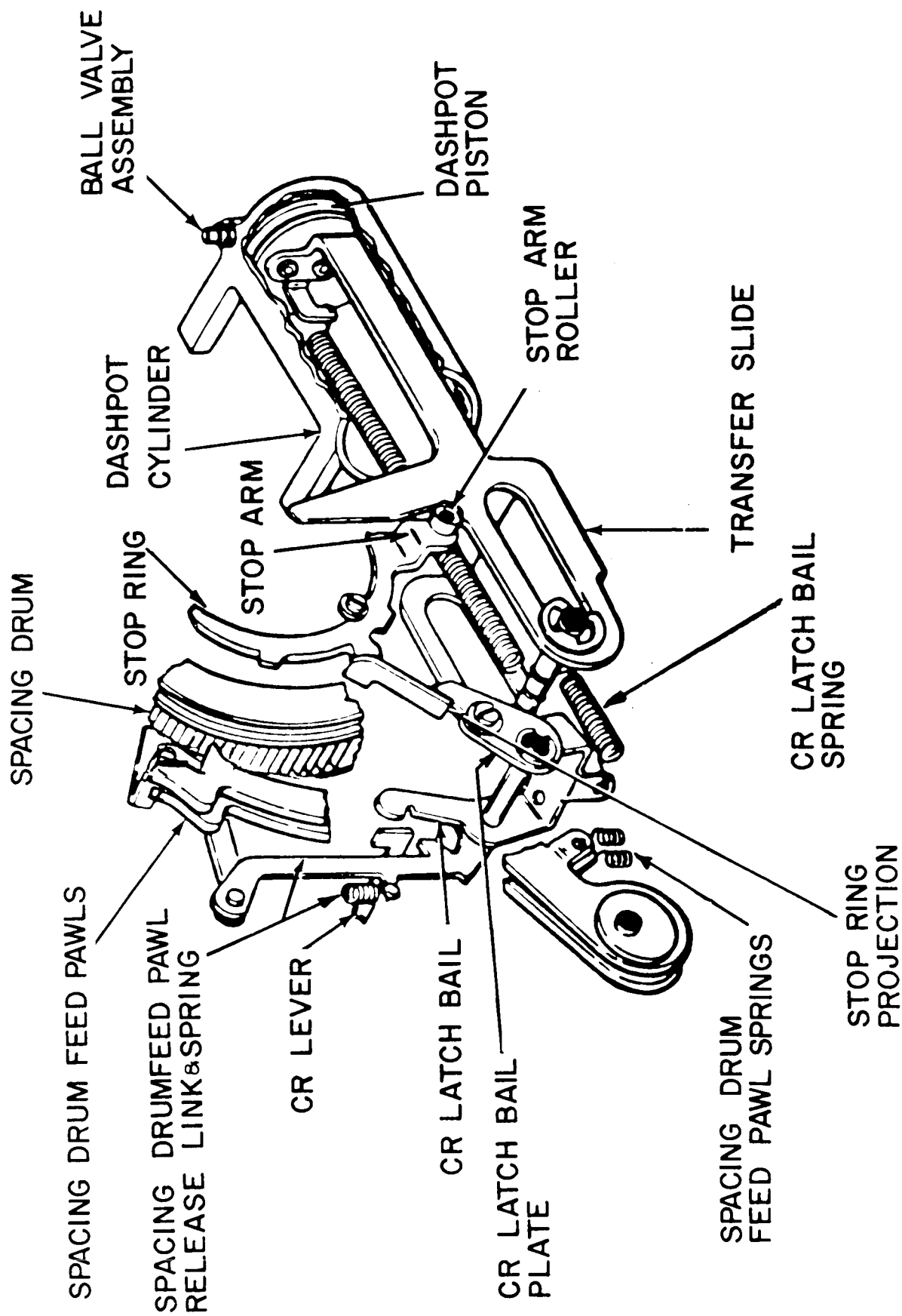


MOD 28 ASR-AN/UGC-6K STRIPPER BLADE (LEFT REAR VIEW)

2-4-4D

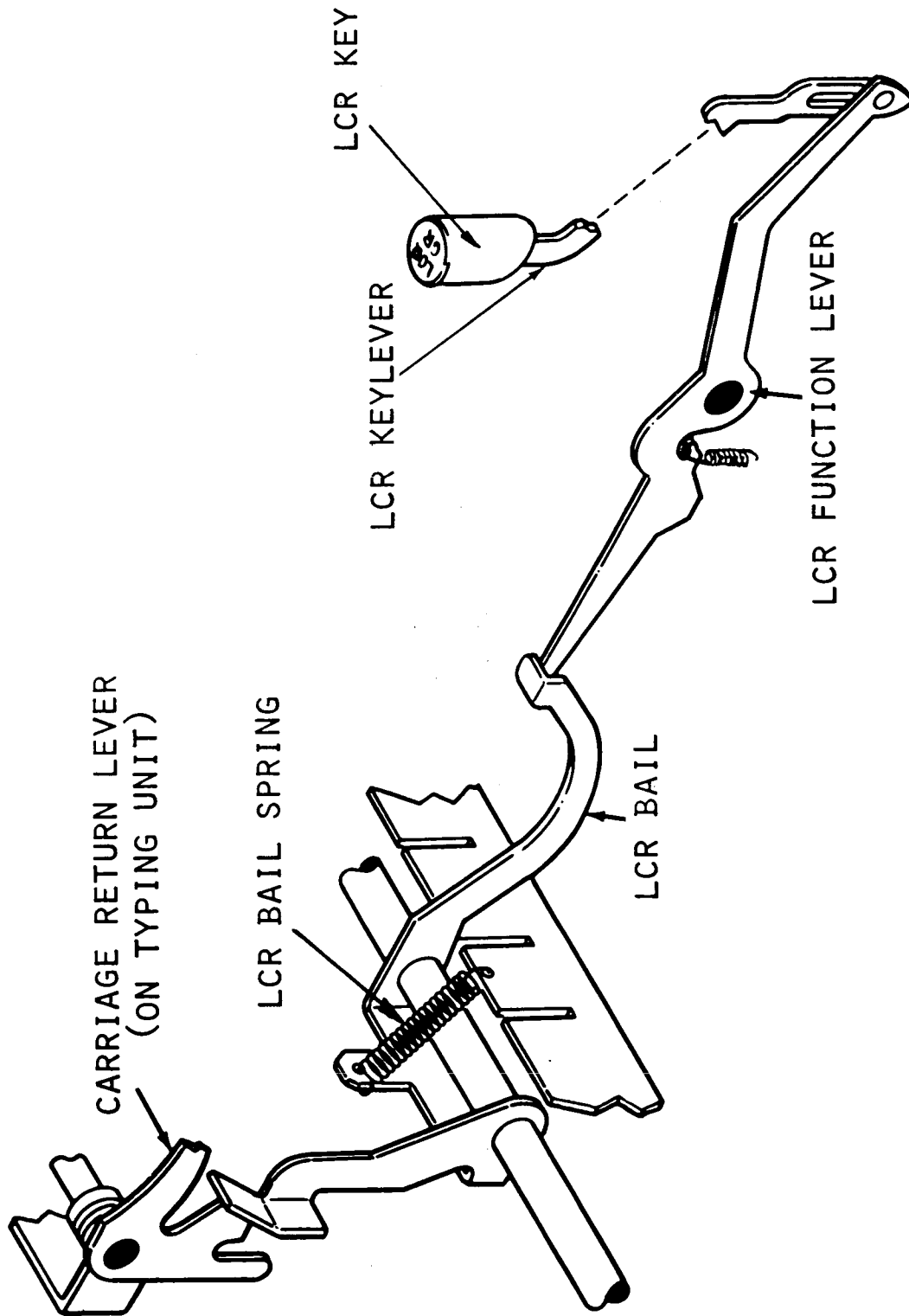


MOD 28 ASR-AN/UGC-6K CARRIAGE RETURN MECHANISM #1 (LEFT VIEW)

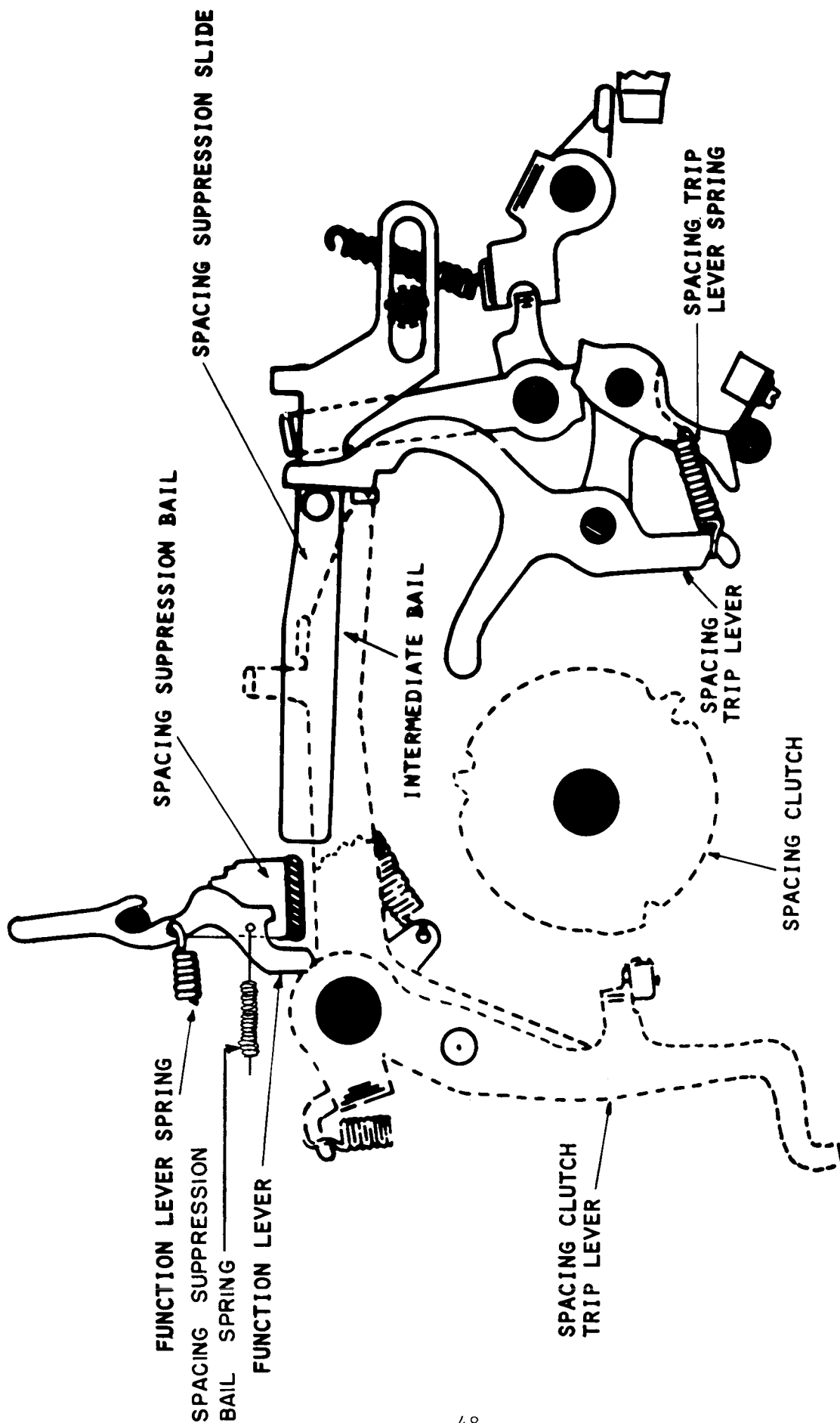


MOD 28 ASR-AN/UGC-6K CARRIAGE RETURN MECHANISM No. 2

2-4-6D



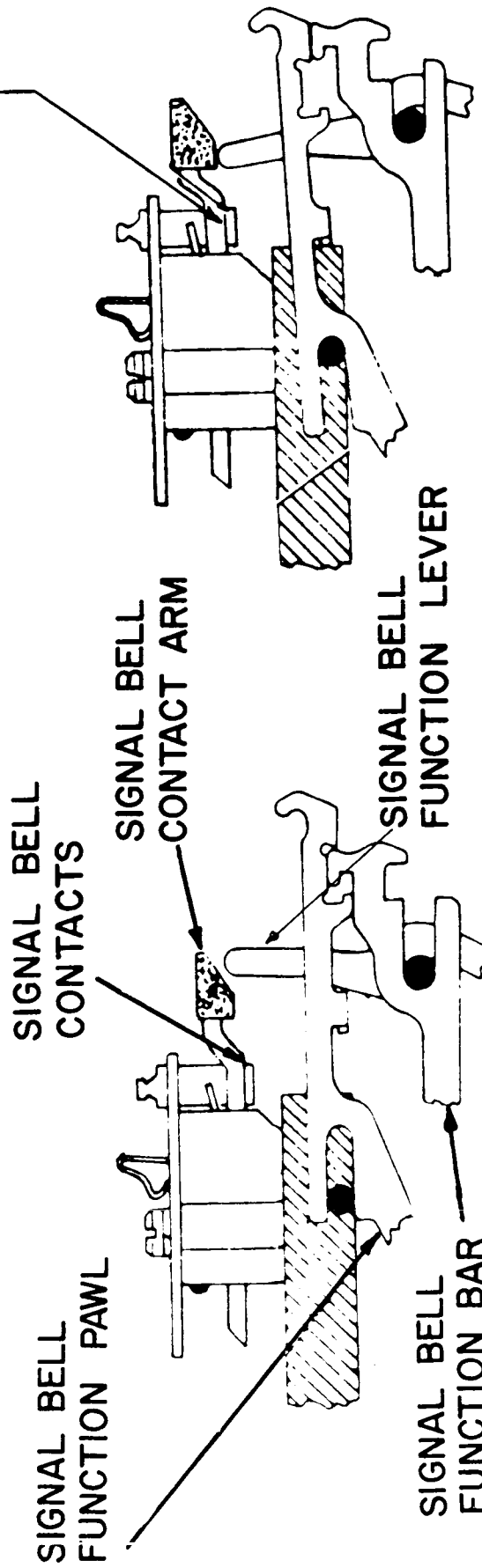
MOD 28 ASR AN/UGC-6K LOCAL CARRIAGE RETURN (LCR) MECHANISM (LEFT VIEW)



MOD 28 ASR-AN/UGC-6K SPACING SUPPRESSION (LEFT VIEW)

2-4-8D

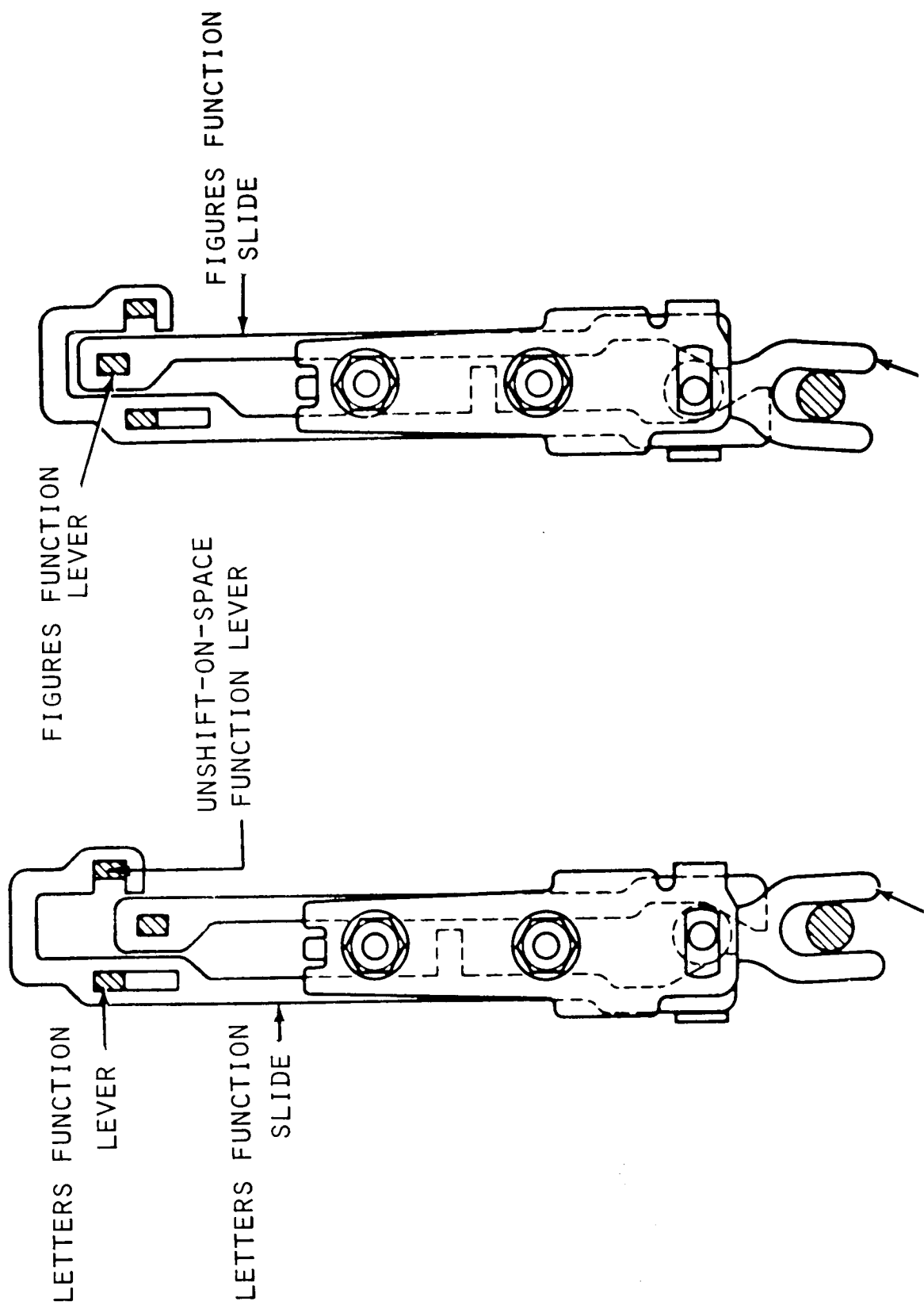
SIGNAL BELL
CONTACTS (Open)



UNSELECTED

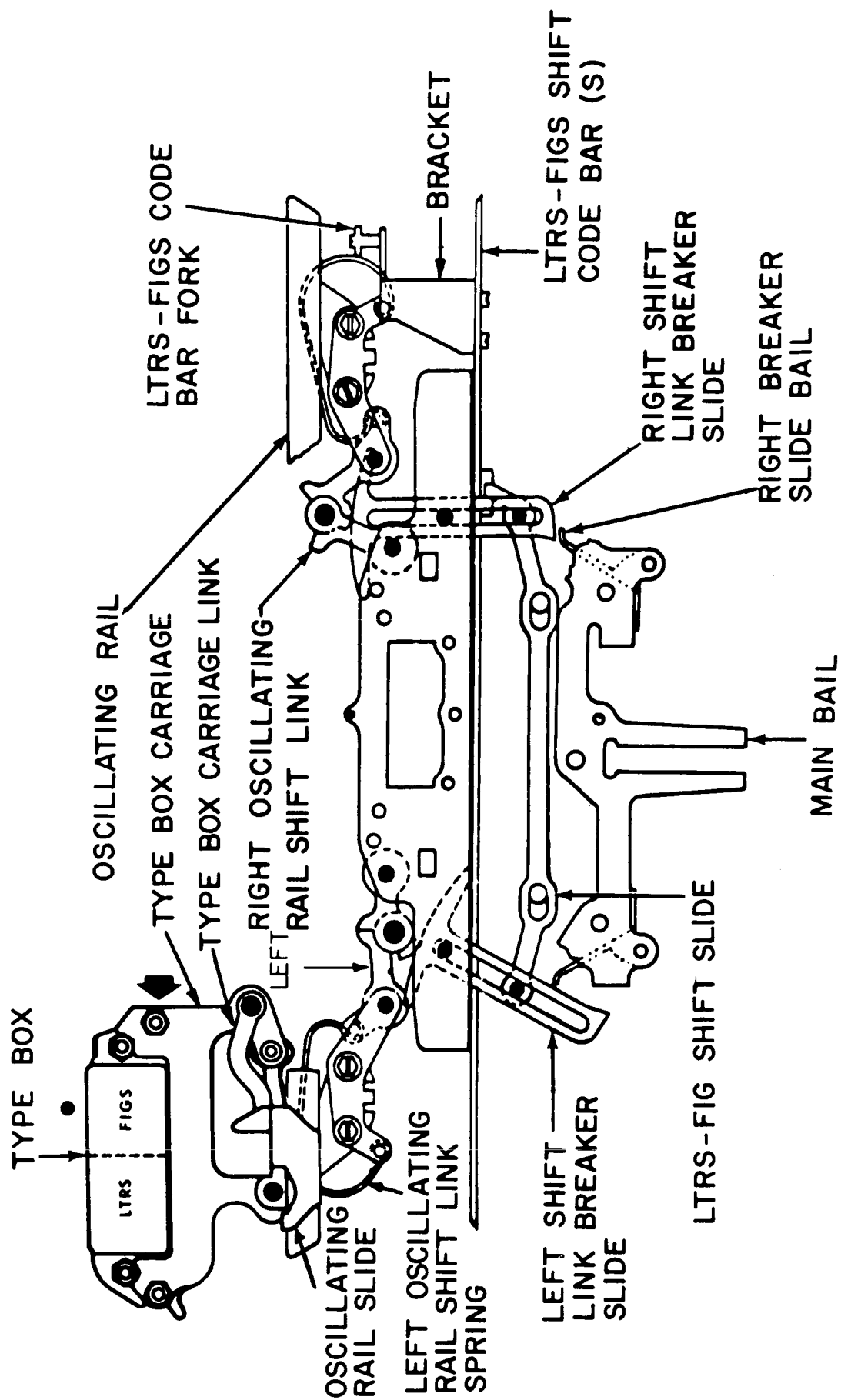
SELECTED

MOD 28 ASR-AN/UGC-6K SIGNAL BELL FUNCTION (RIGHT VIEW)

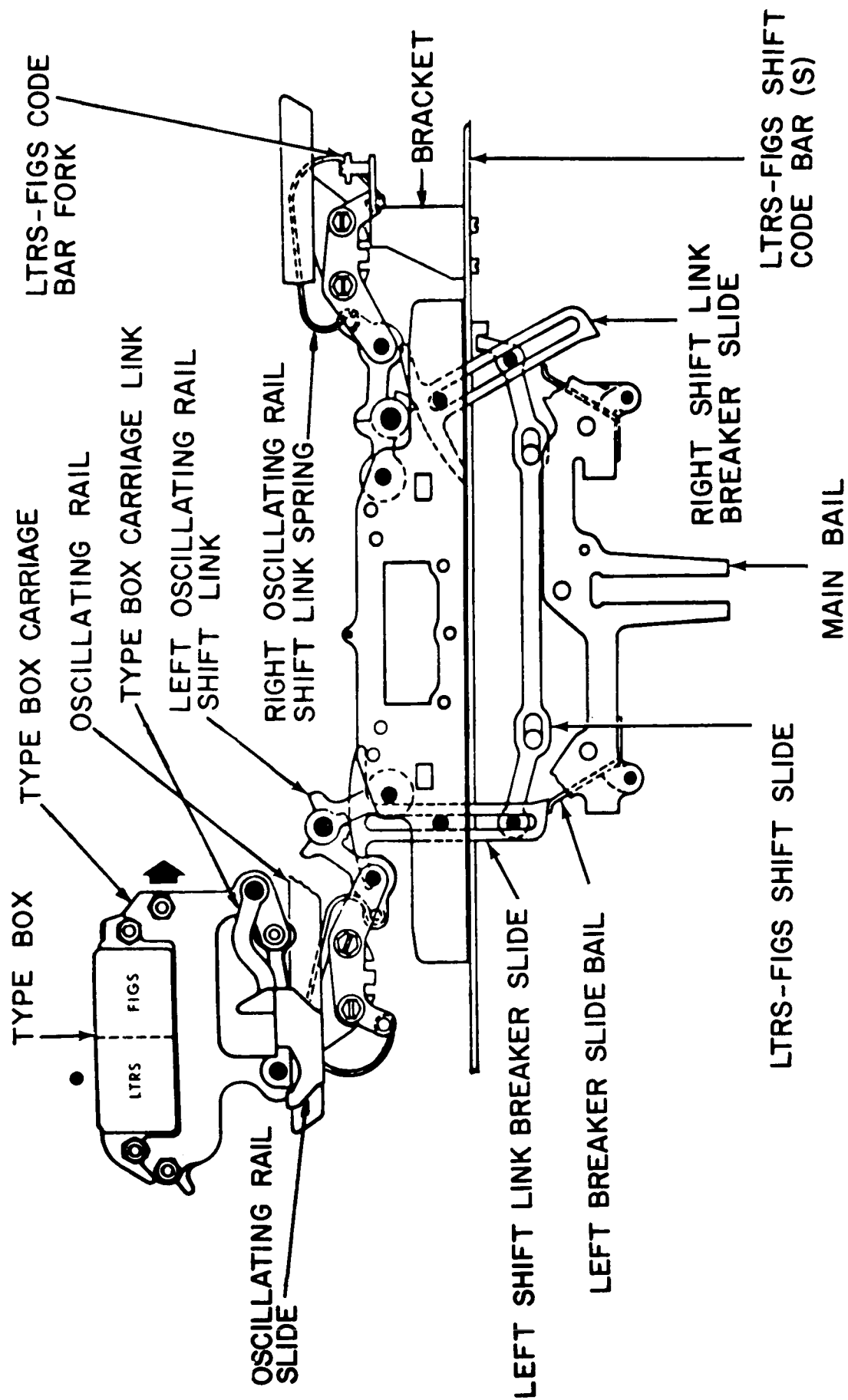


MOD 28 ASR-AN/UGC-6K LETTERS FIGURES SHIFT SLIDES (TOP VIEW)

2-4-10D

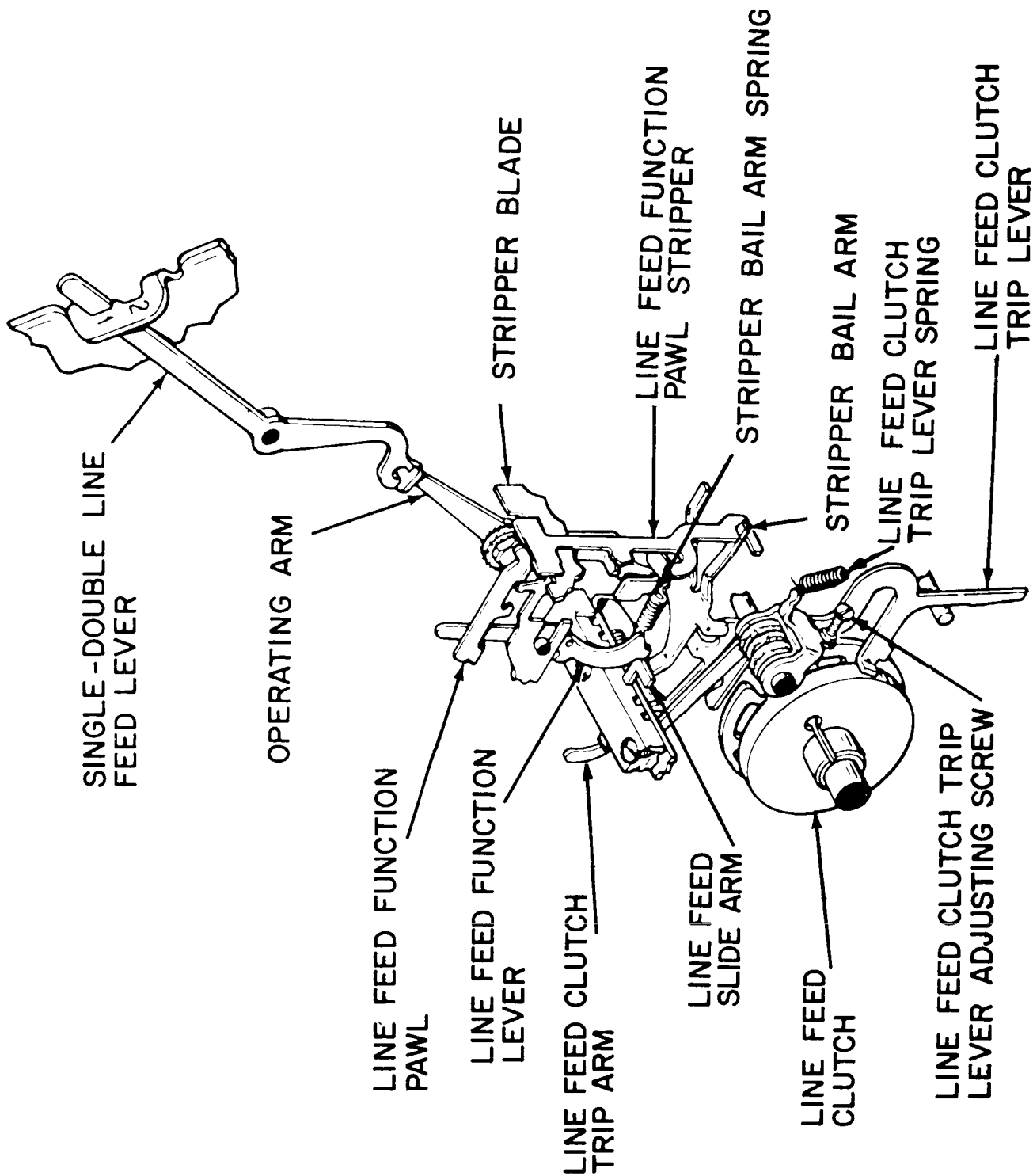


MOD 28 ASR -AN/UGC-6K - FIGURES SHIFT

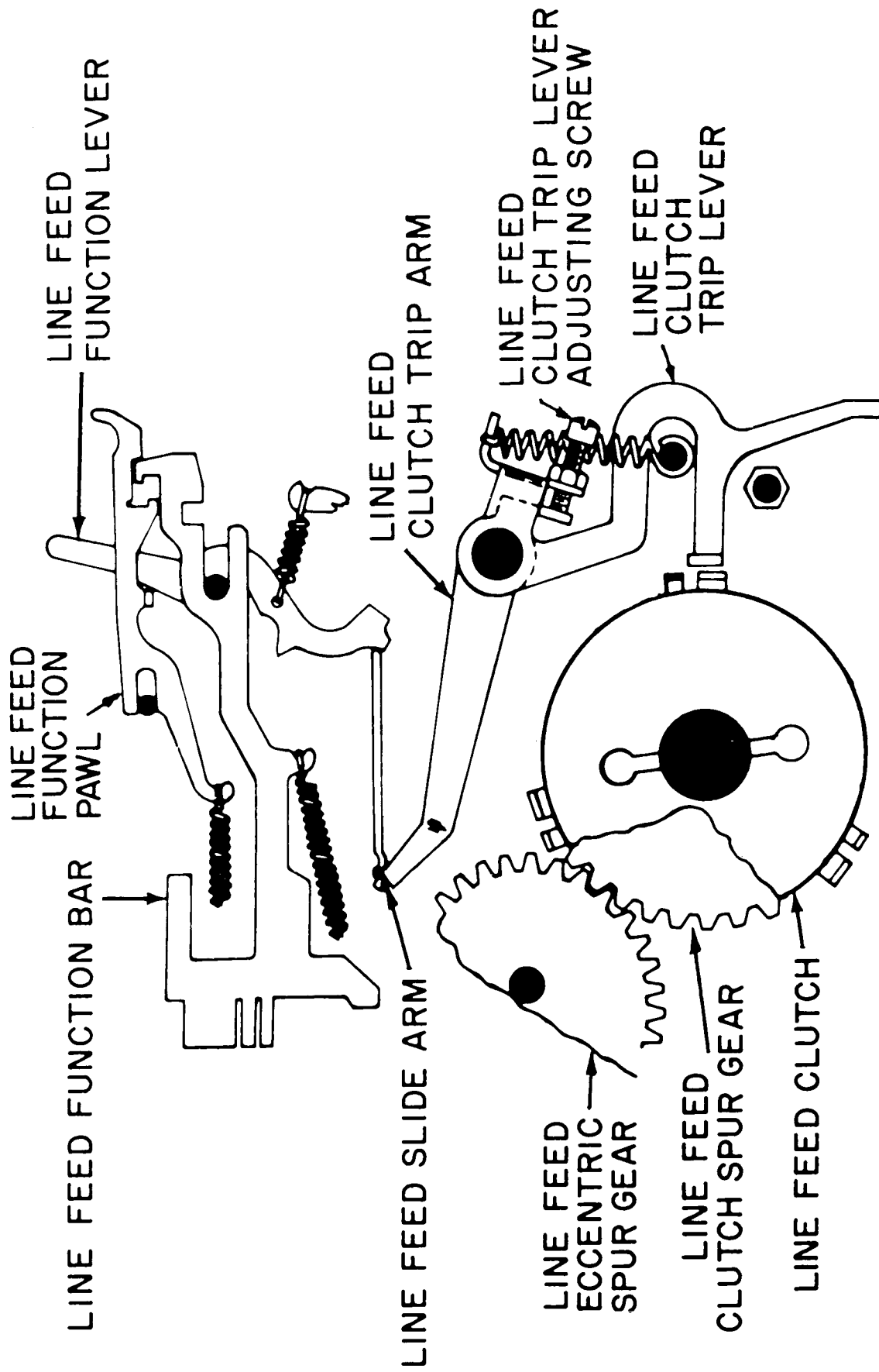


MOD 28 ASR-AN/UGC-6K LETTERS SHIFT

2-4-12D

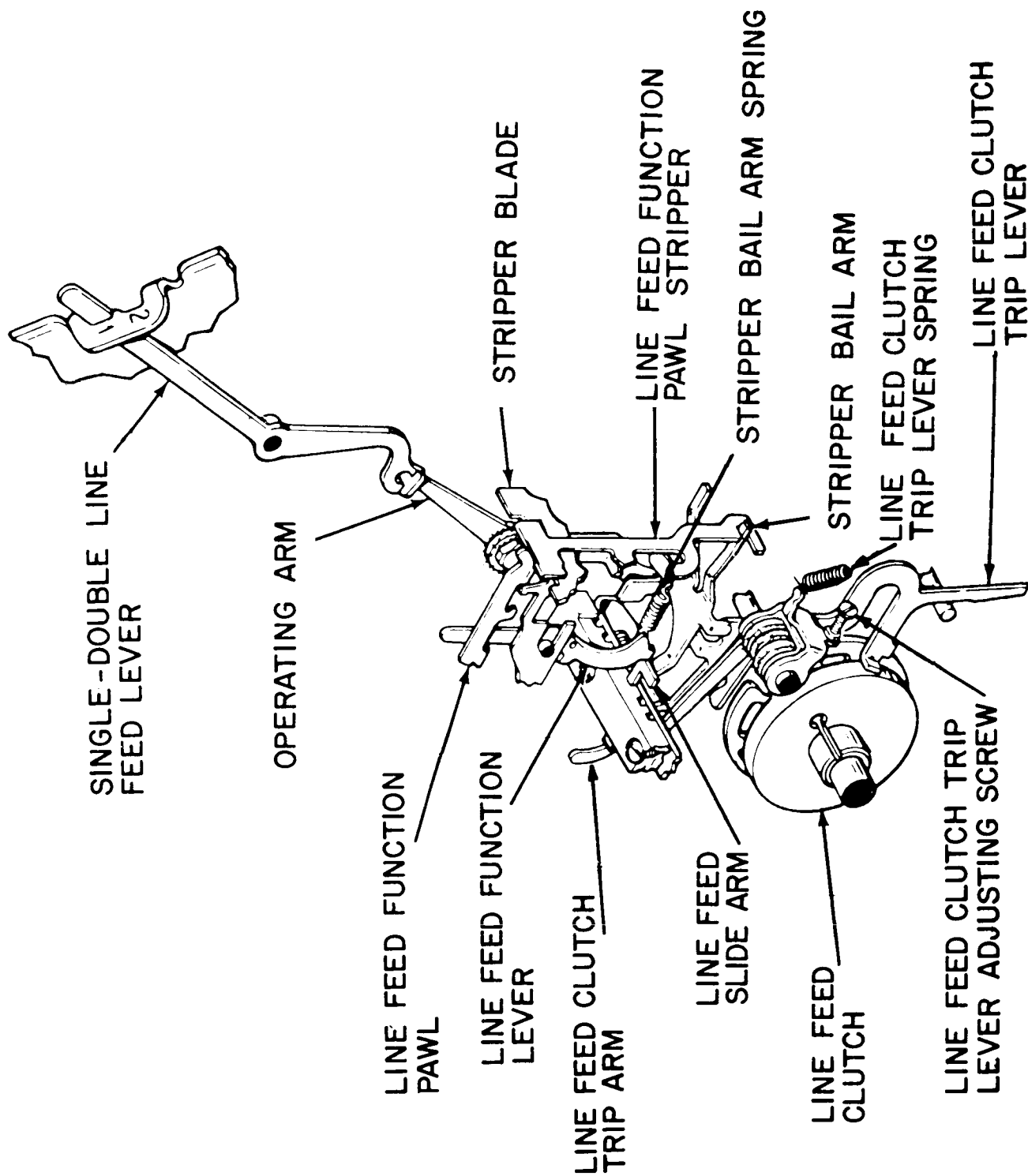


MOD 28 ASR-AN/UGC-6K DOUBLE LINEFEED (RIGHT REAR VIEW)

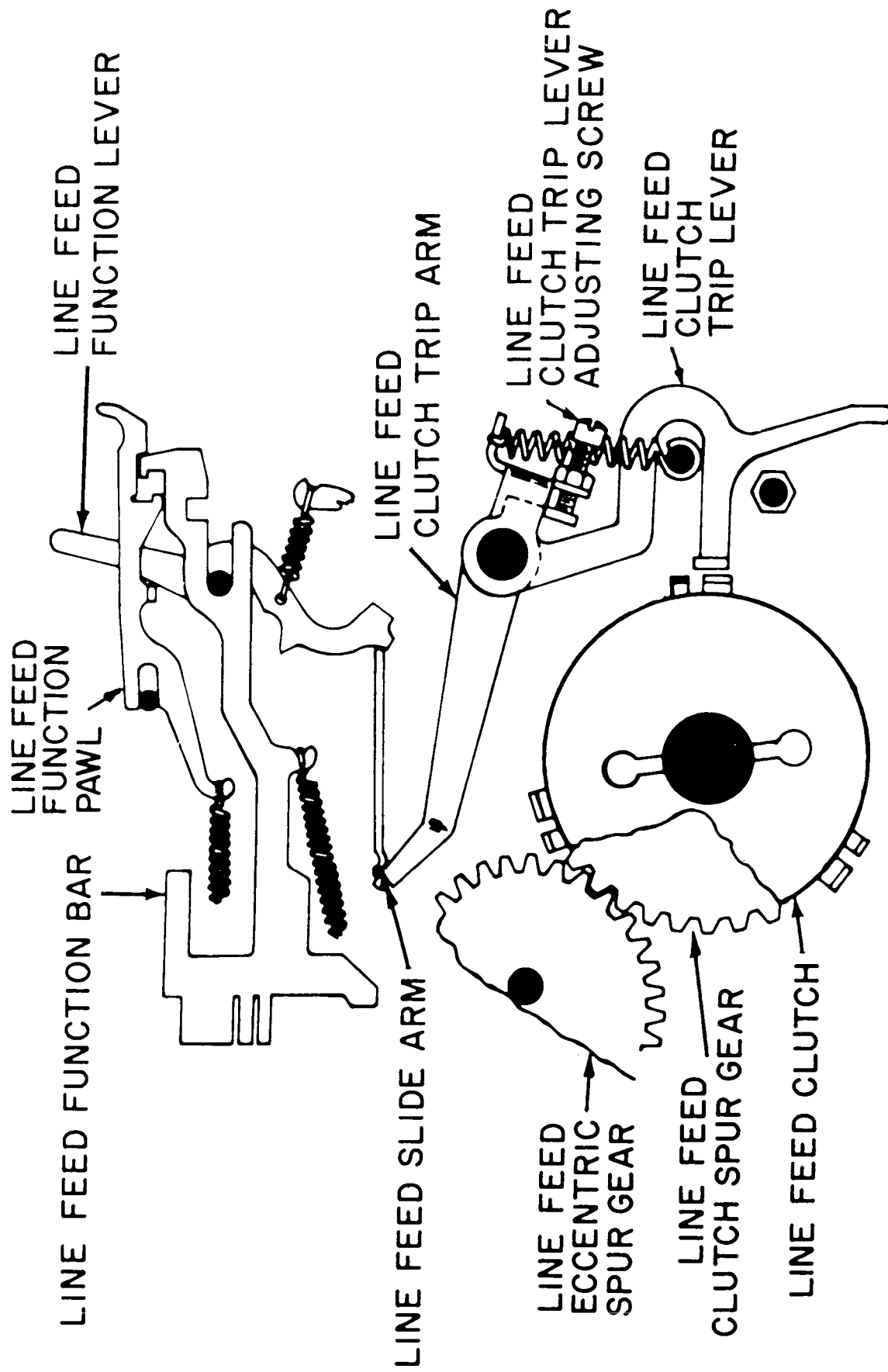


MOD 28 ASR - AN/UGC - 6K - LINE FEED FUNCTION (RIGHT VIEW)

2-4-14D

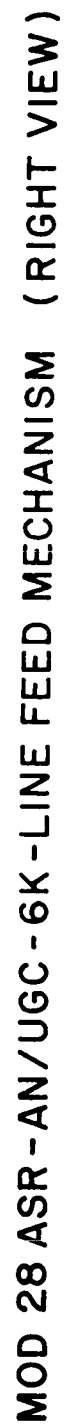


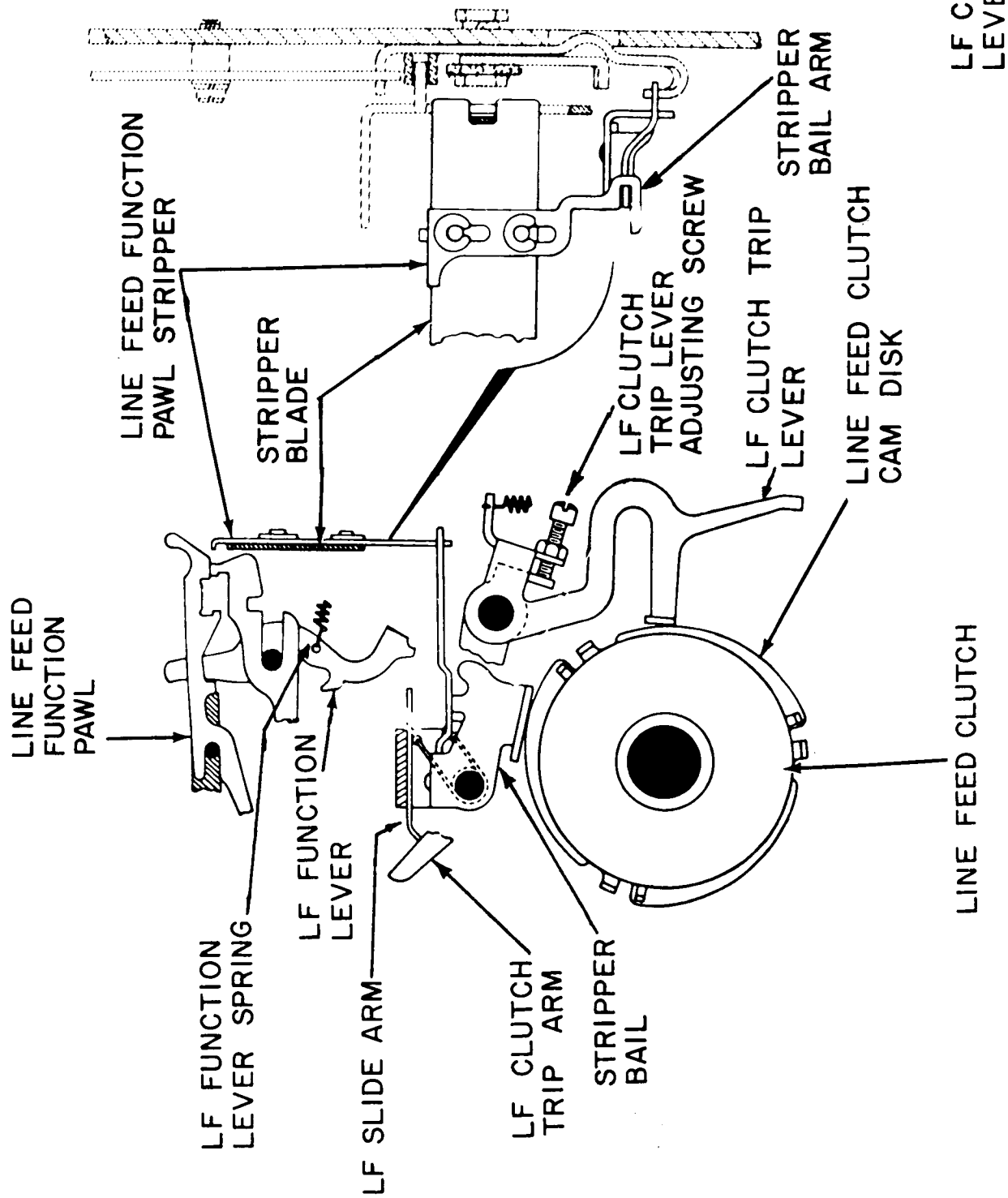
MOD 28 ASR-AN/UGC-6K DOUBLE LINEFEED (RIGHT REAR VIEW)



MOD 28 ASR - AN/UGC - 6K - LINE FEED FUNCTION (RIGHT VIEW)

2-4-14D

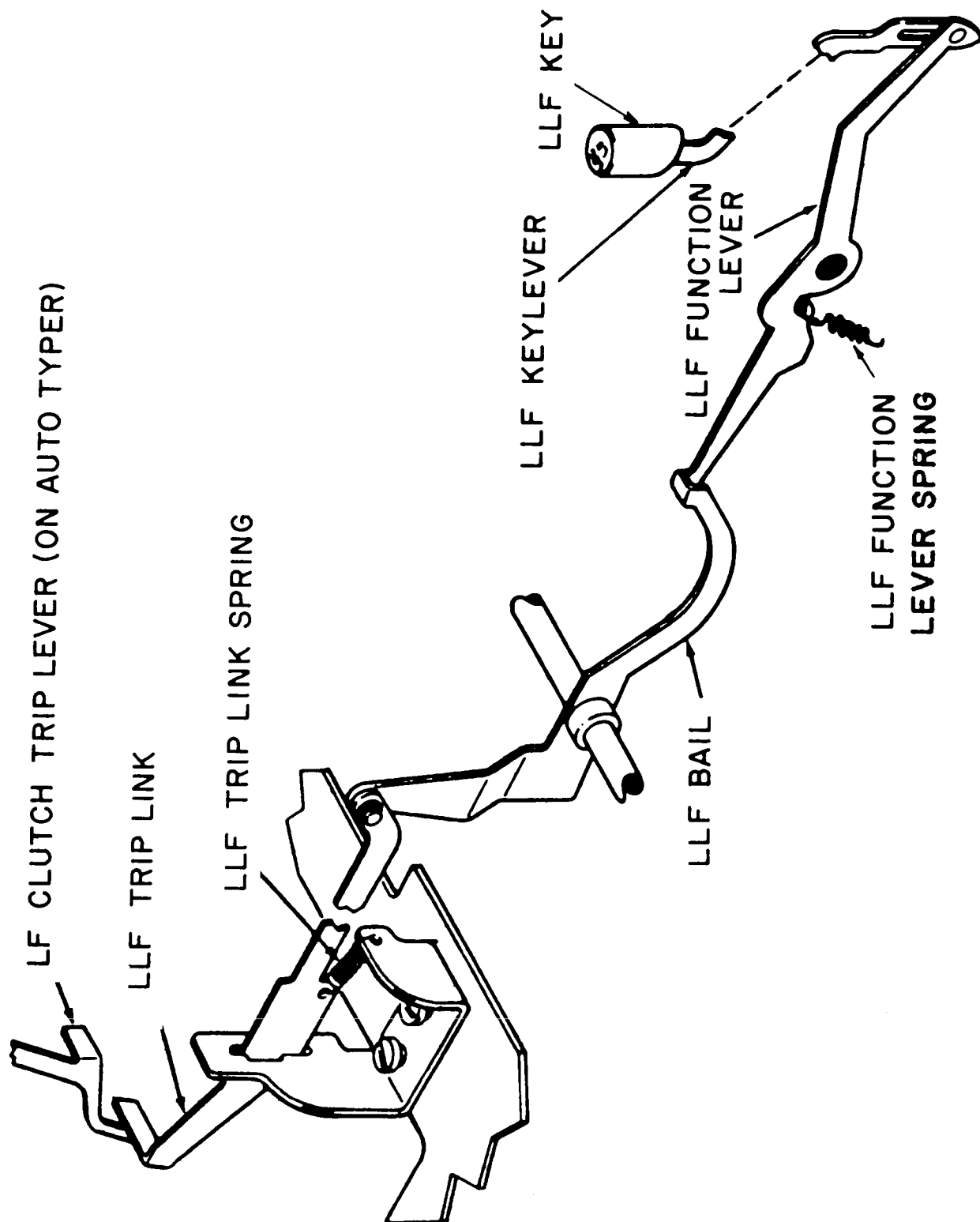




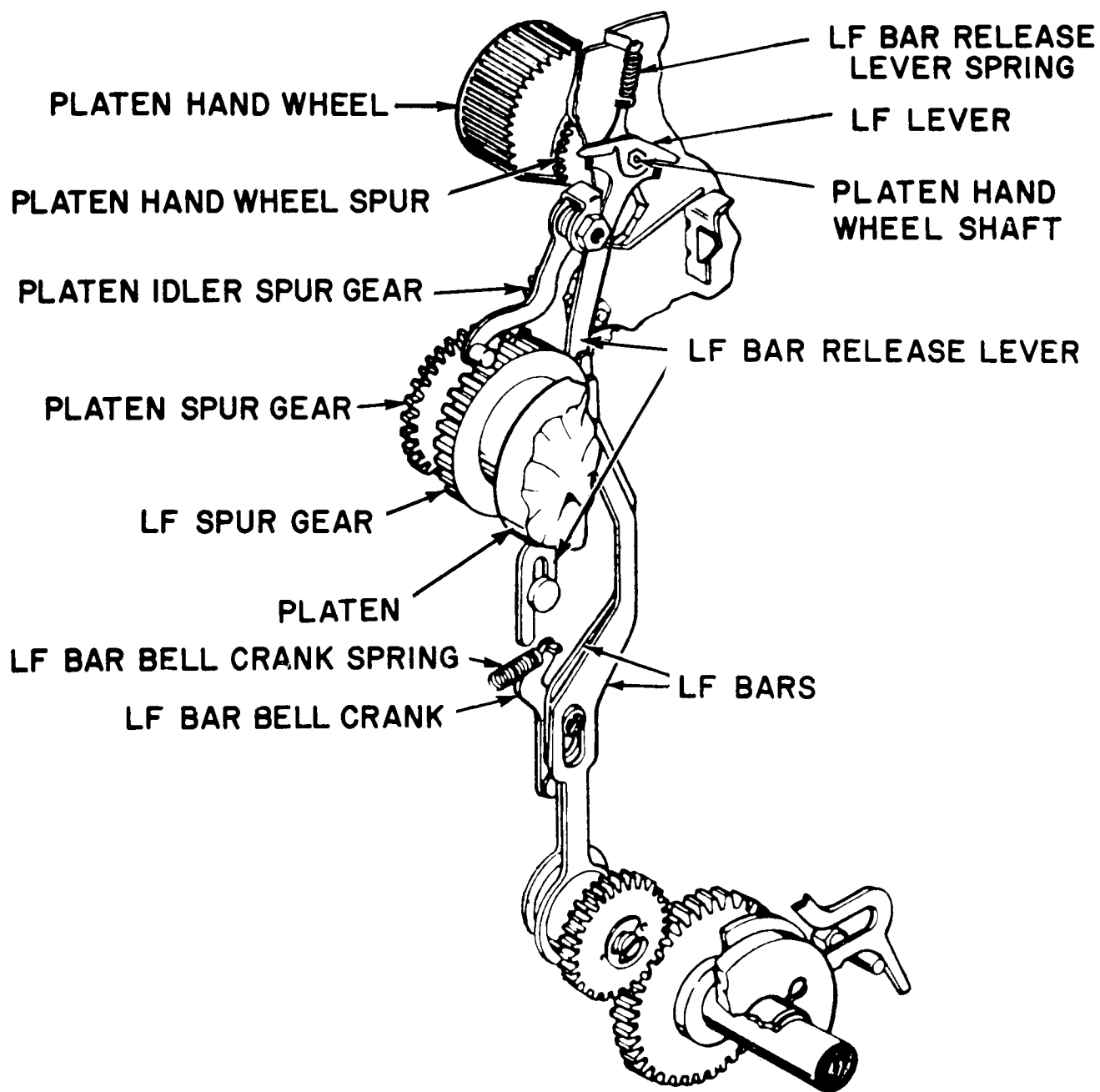
LF CLUTCH TRIP
LEVER SPRING

MOD 28 ASR-AN/UGC-6K-SINGLE LINE FEED (RIGHT VIEW)

2-4-16D

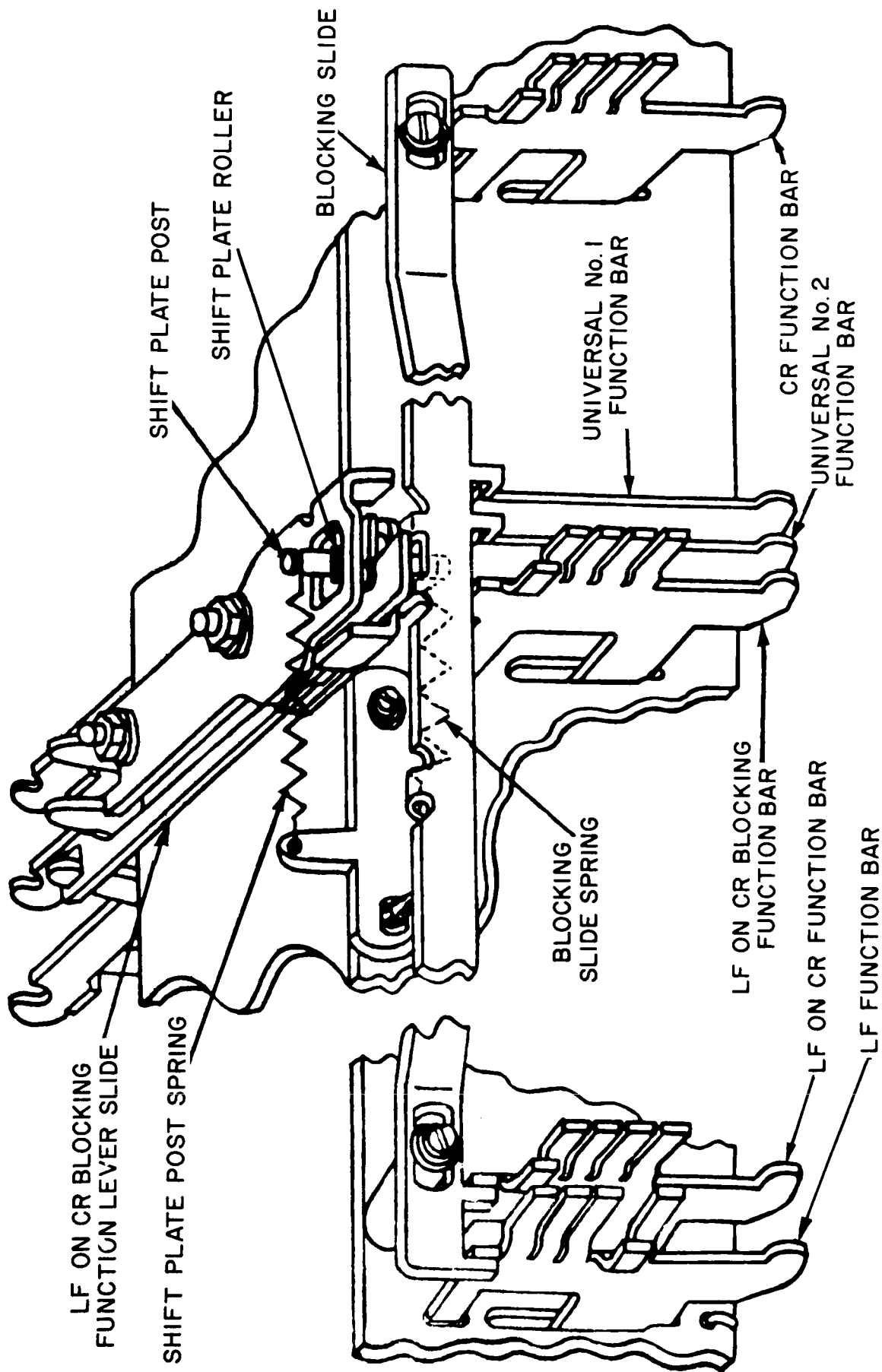


MOD 28 ASR - AN/UGC-6K - LOCAL LINEFEED (LLF)
(LEFT FRONT VIEW)

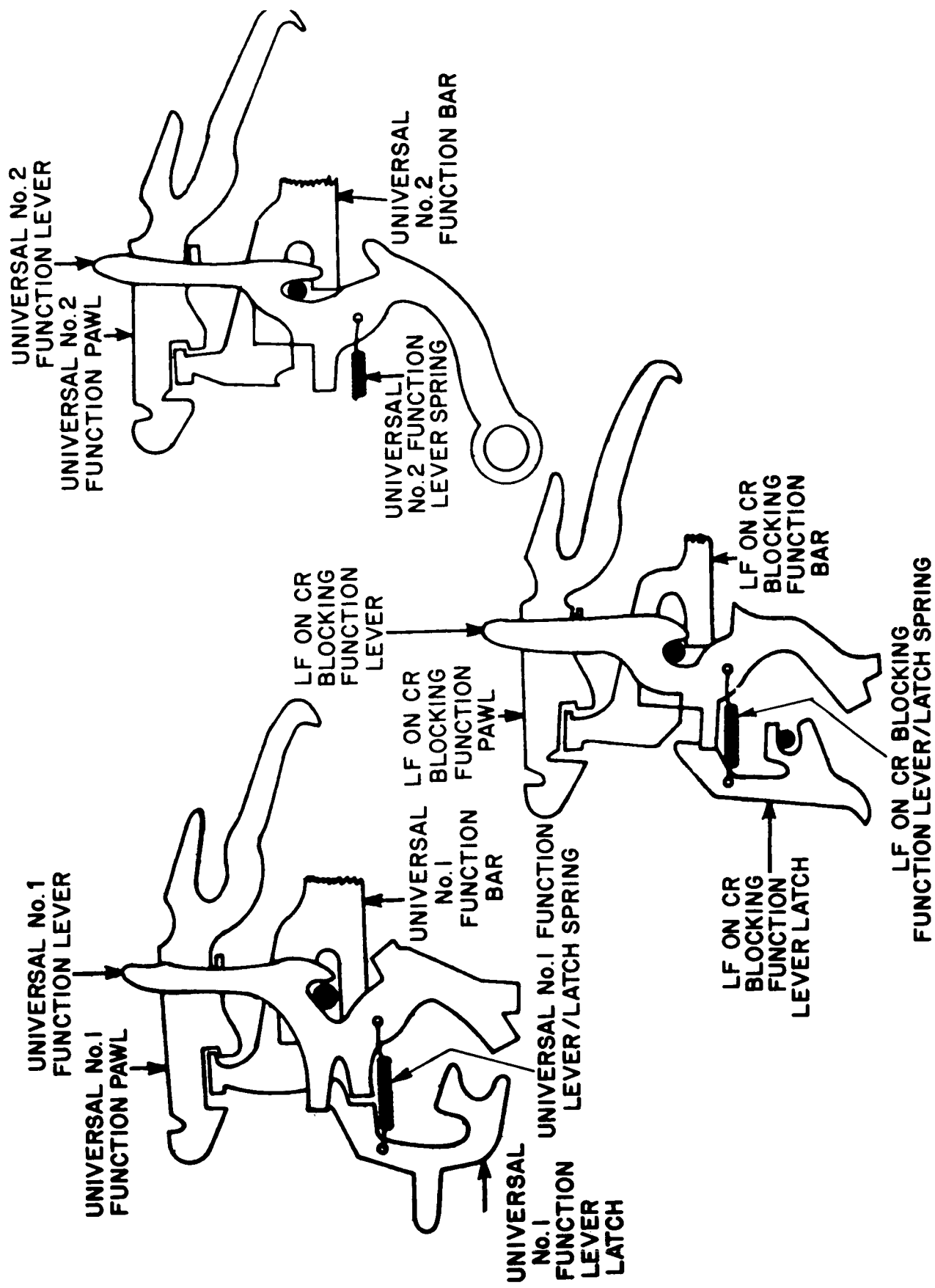


MOD 28 ASR-AN/UGC-6K-MANUAL LINE FEED (RIGHT VIEW)

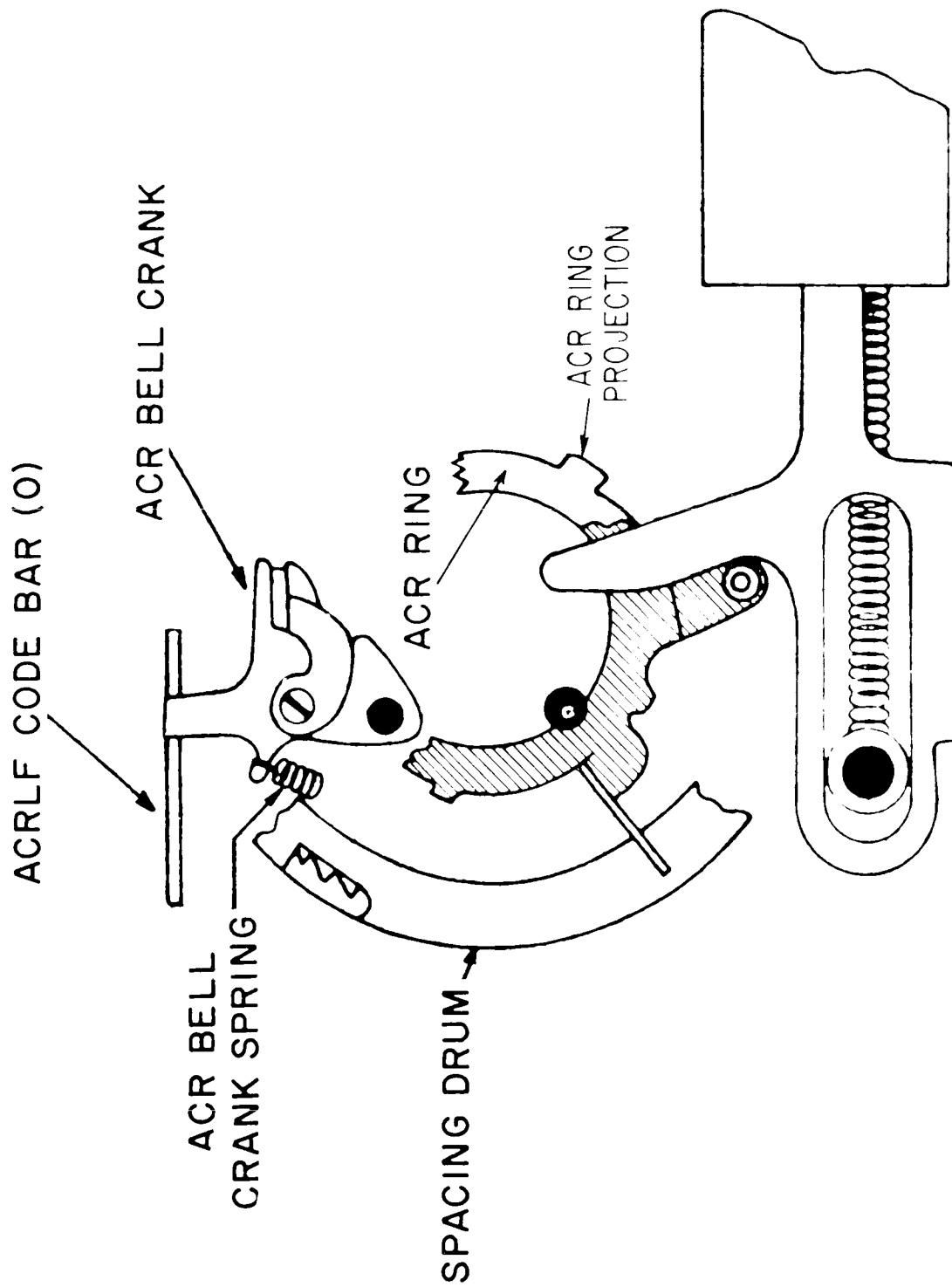
2-4-18D



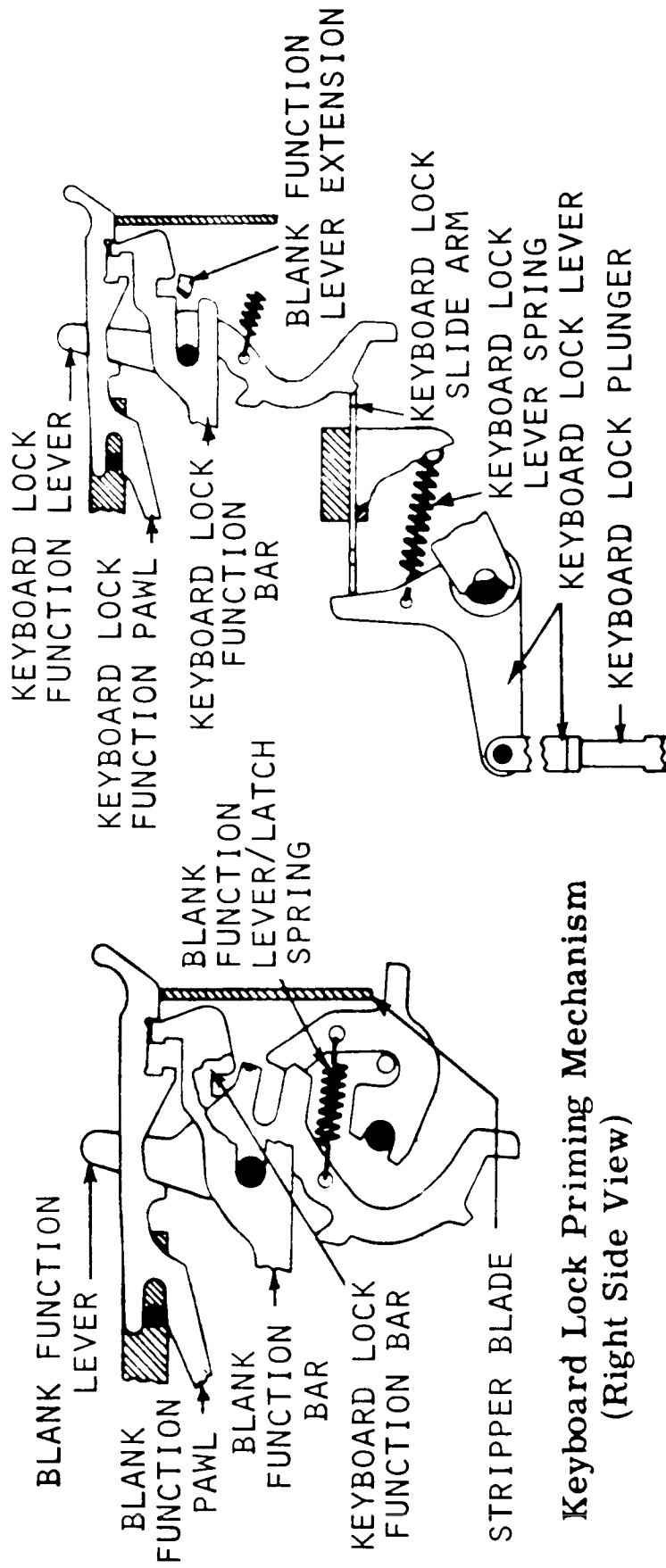
MOD 28 ASR -AN/UGC - 6K - AUTOMATIC LINEFEED ON CARRIAGE RETURN



MOD 28 ASR -AN/UGC-6K - UNIVERSAL MECHANISM (LEFT VIEW)

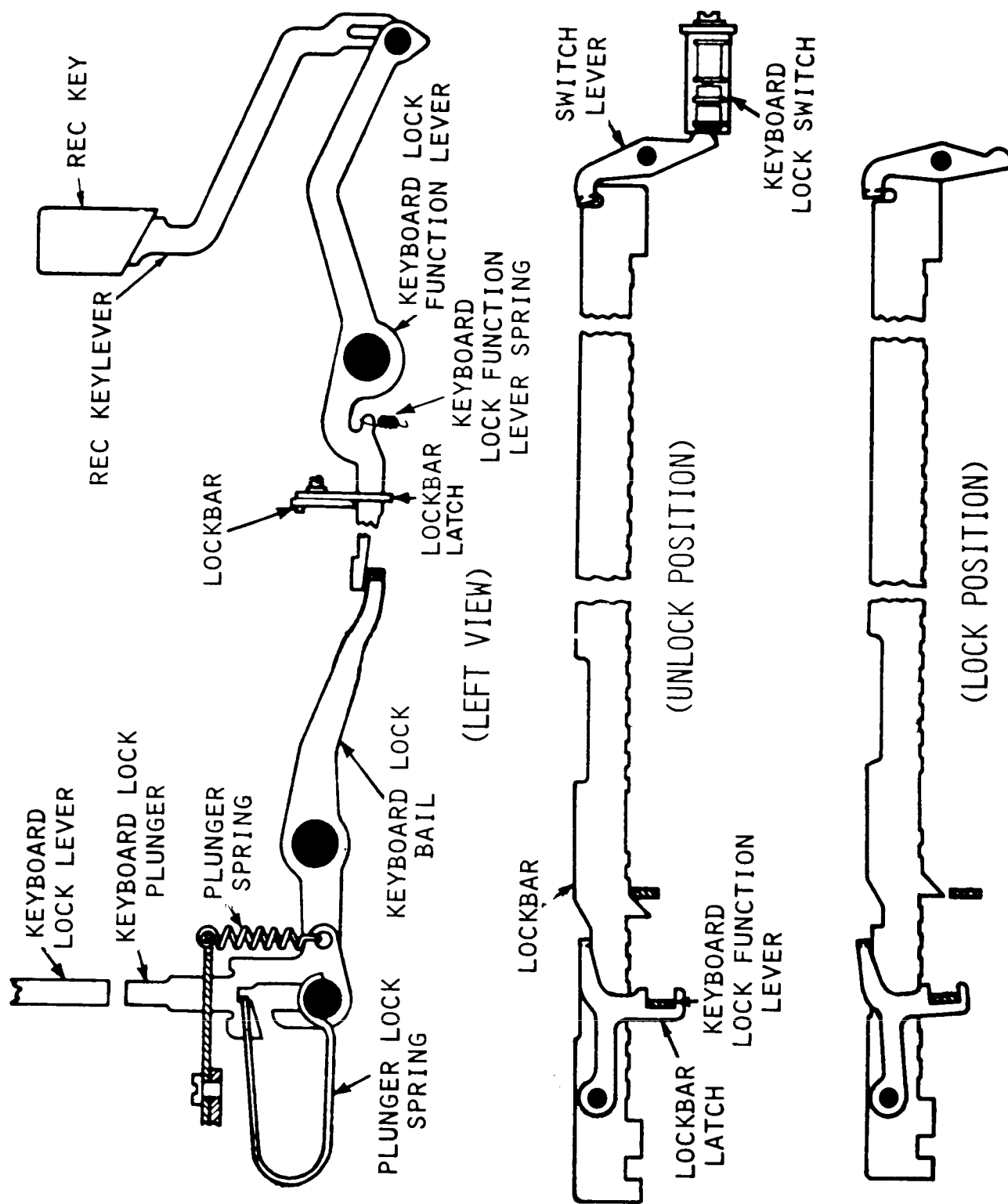


MOD 28 ASR-AN/UGC-6K - AUTOMATIC CARRIAGE RETURN (ACR)
AND LINE FEED (LF)

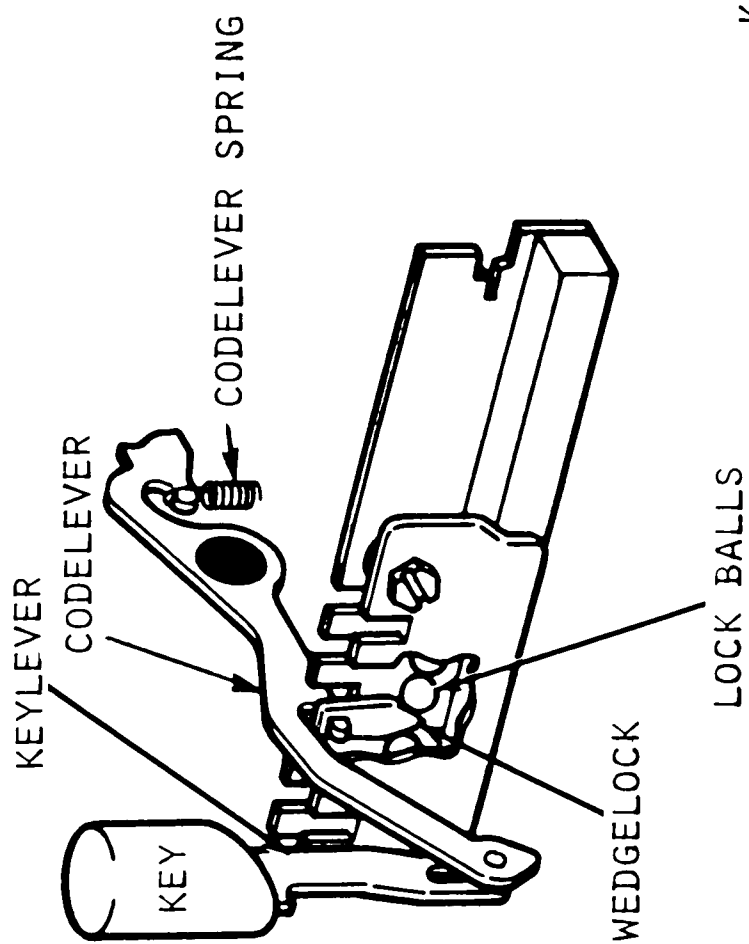


Keyboard Lock Priming Mechanism
(Right Side View)

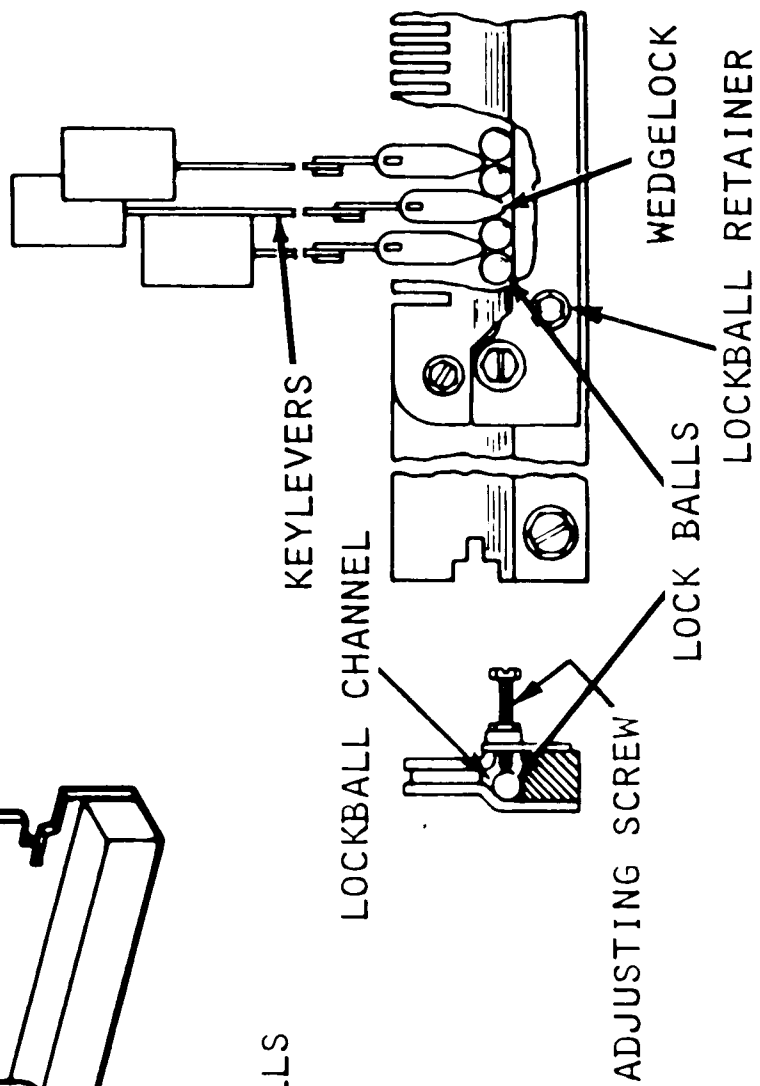
MOD 28 ASR-AN/UGC-6K- REMOTE KEYBOARD LOCK FUNCTION (RIGHT VIEW)



MOD 28 ASR-AN/UGC-6K- LOCKBAR MECHANISM



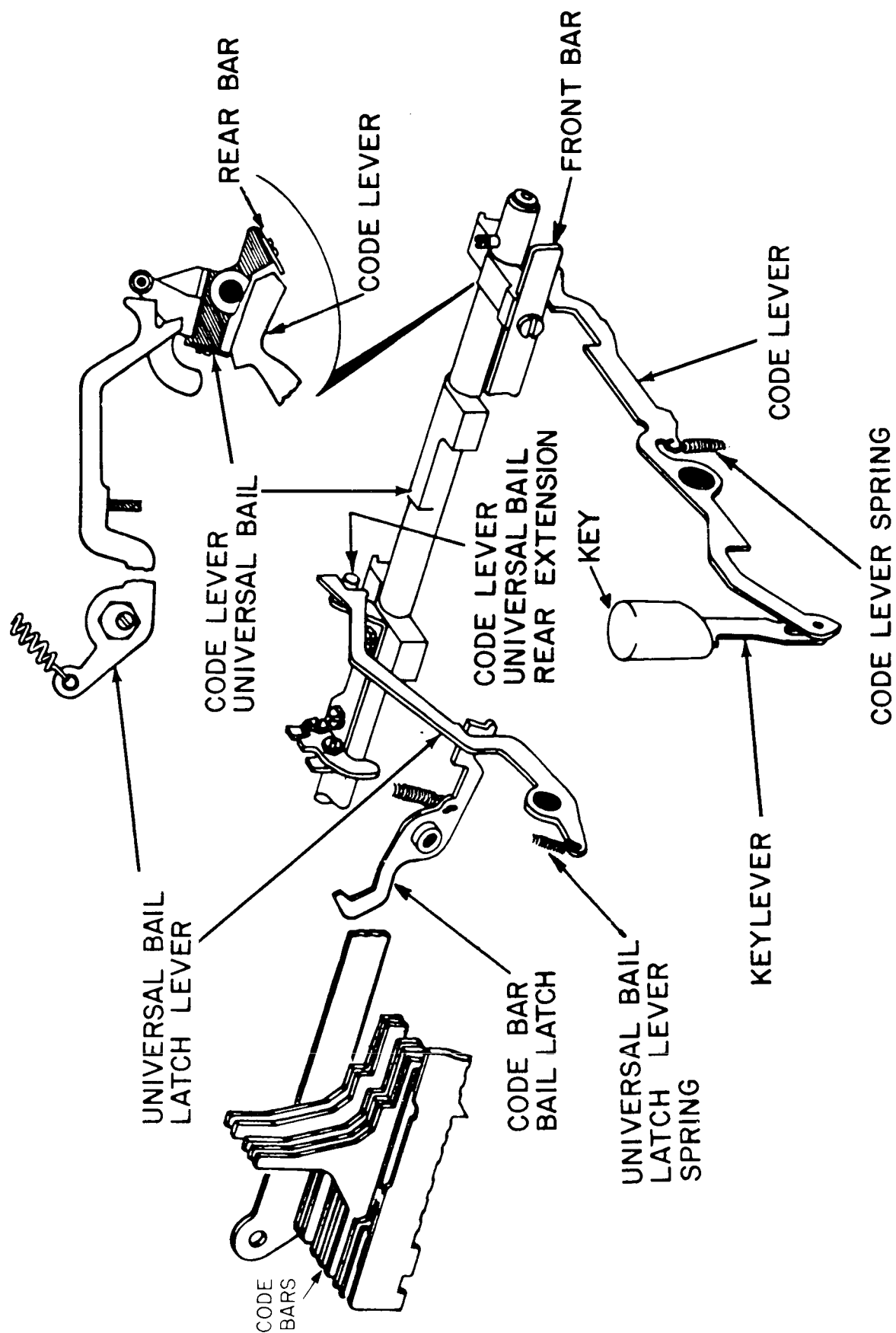
(RIGHT VIEW)



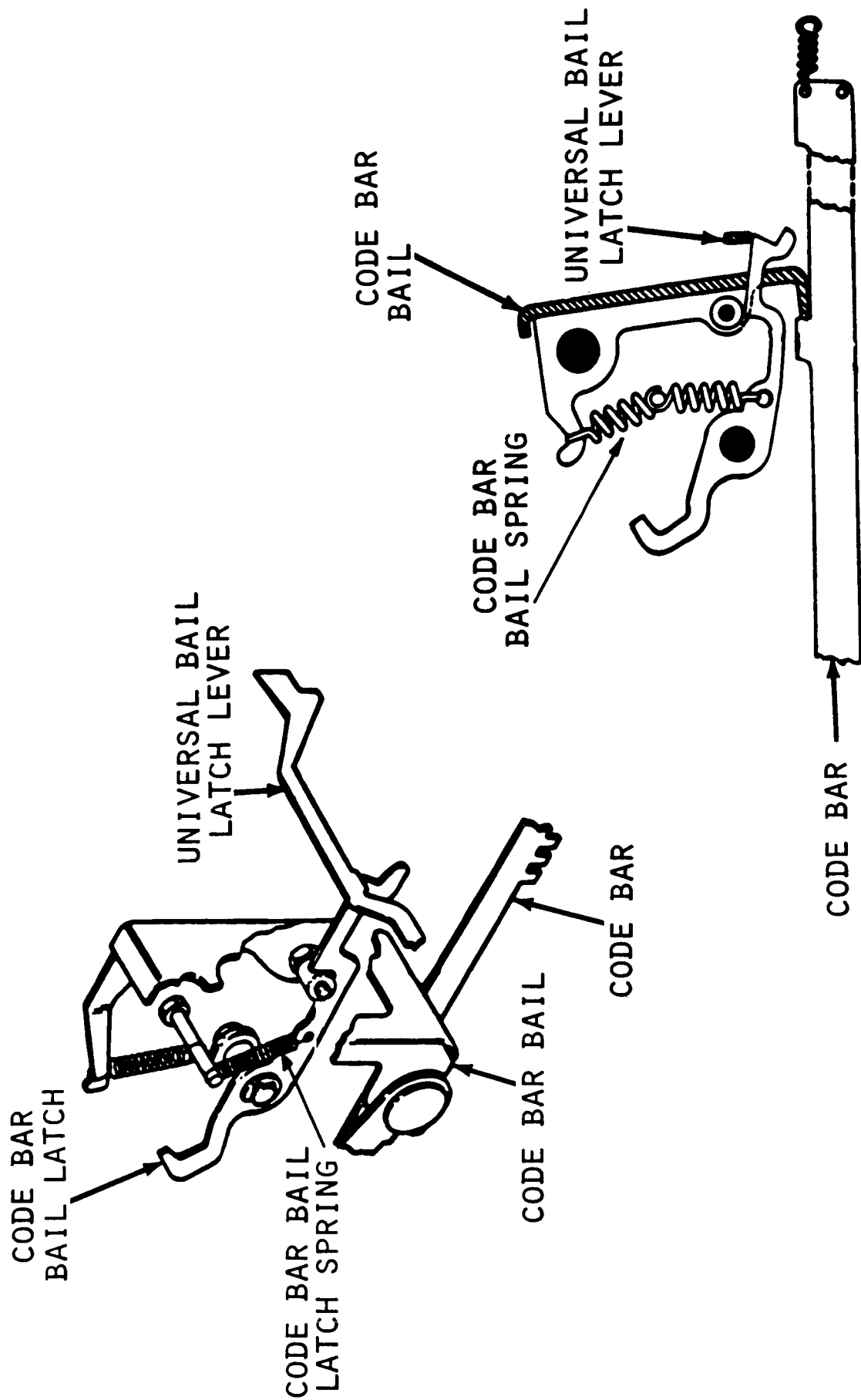
(FRONT VIEW)

MOD 28 ASR-AN/UGC-6K- LOCKBALL MECHANISM

3-1-1D

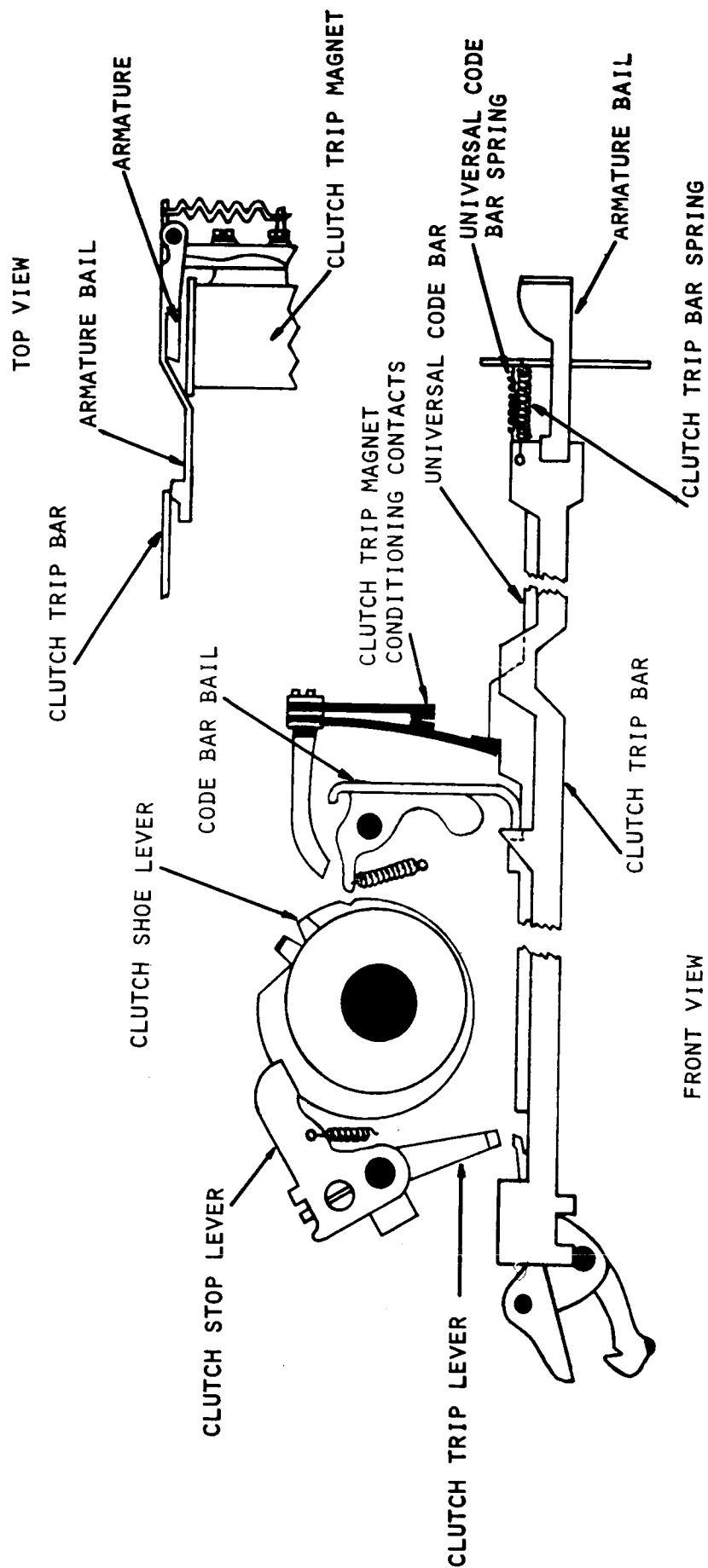


MOD 28 ASR-AN/UGC-6K KEYBOARD MECHANISM No.1 (RIGHT FRONT VIEW)

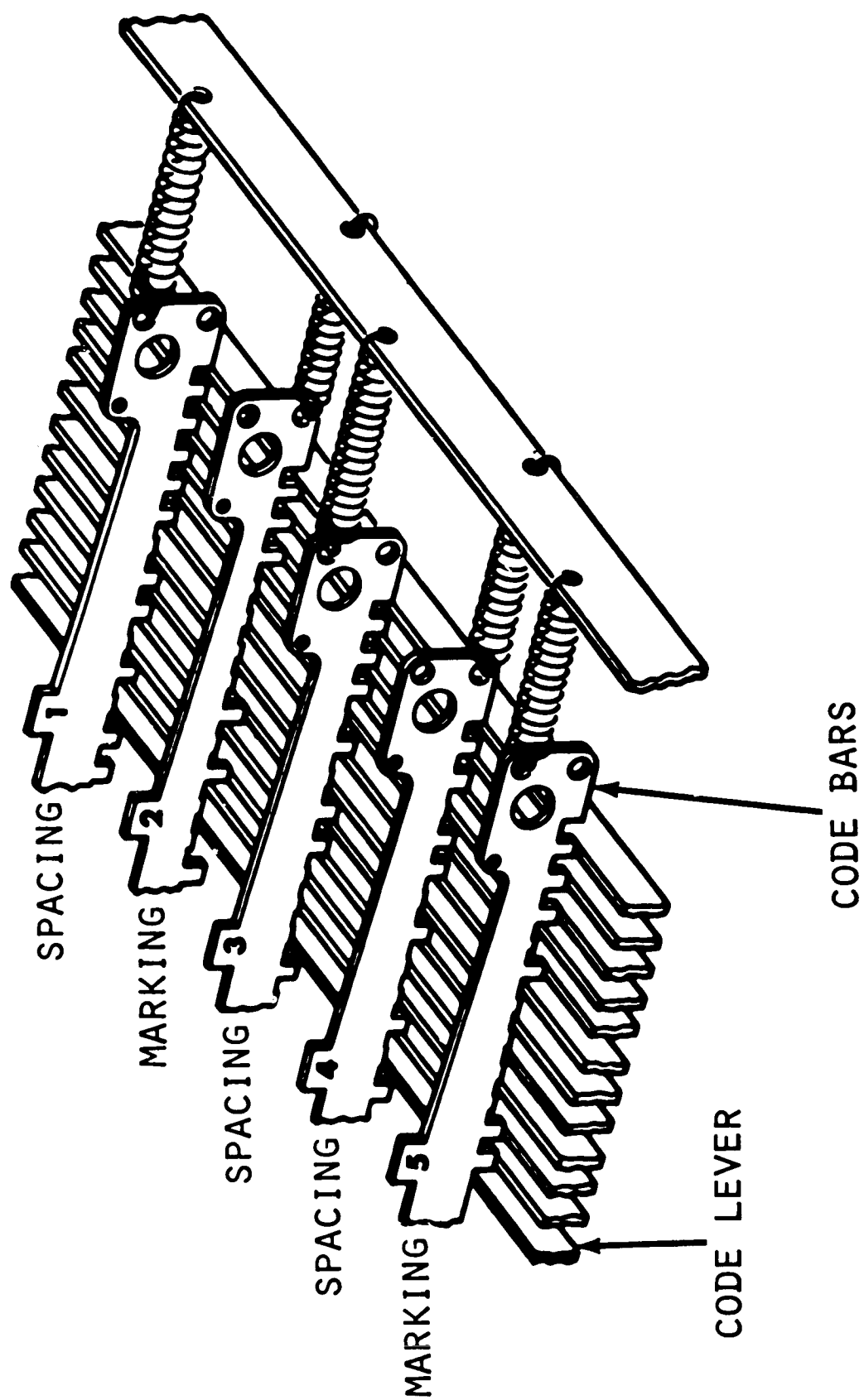


MOD 28 ASR-AN/UGC-6K- KEYBOARD MECHANISM #2

3-1-3D

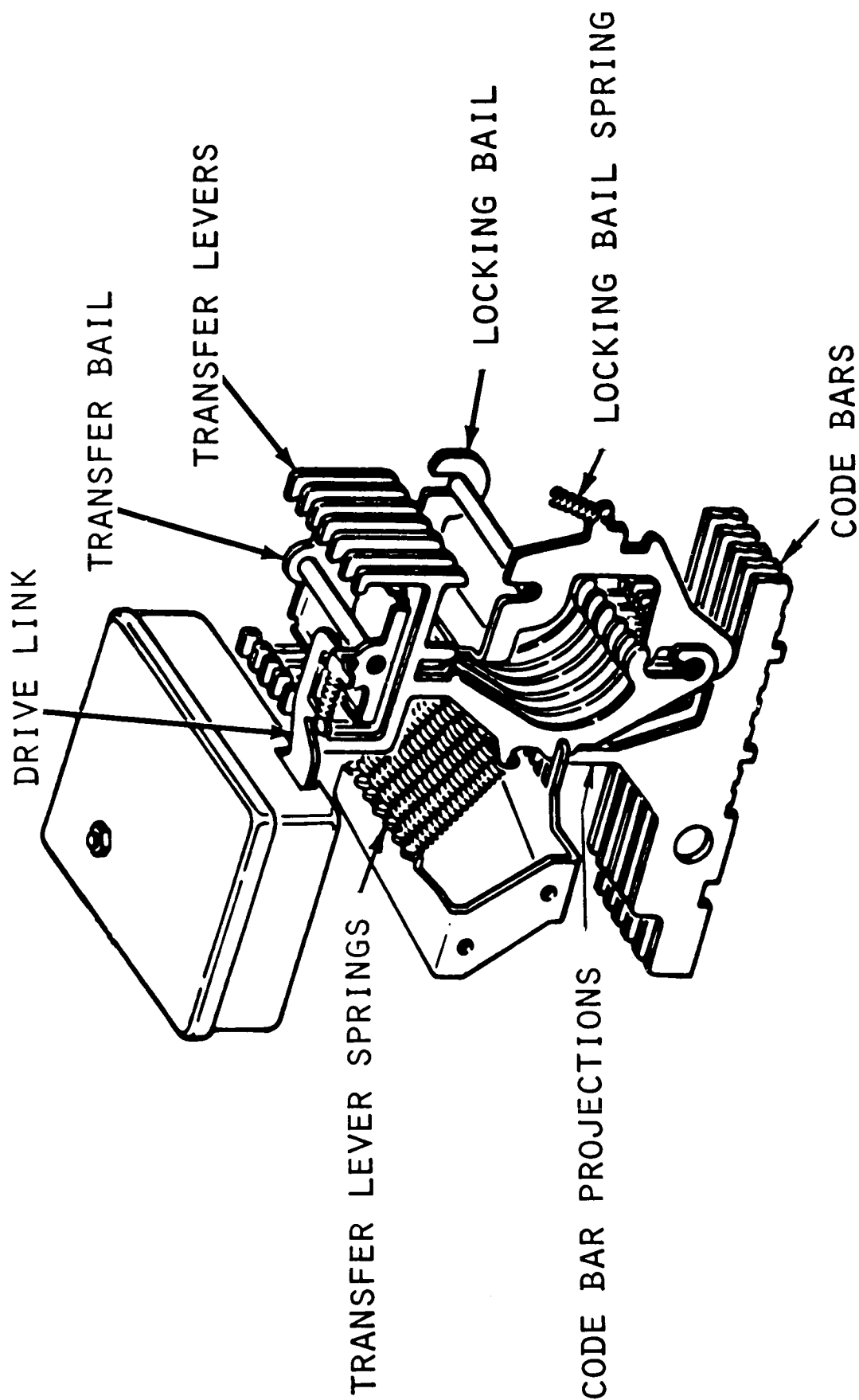


MOD 28 ASR-AN/UGC-6K SIGNAL GENERATOR CLUTCH TRIP

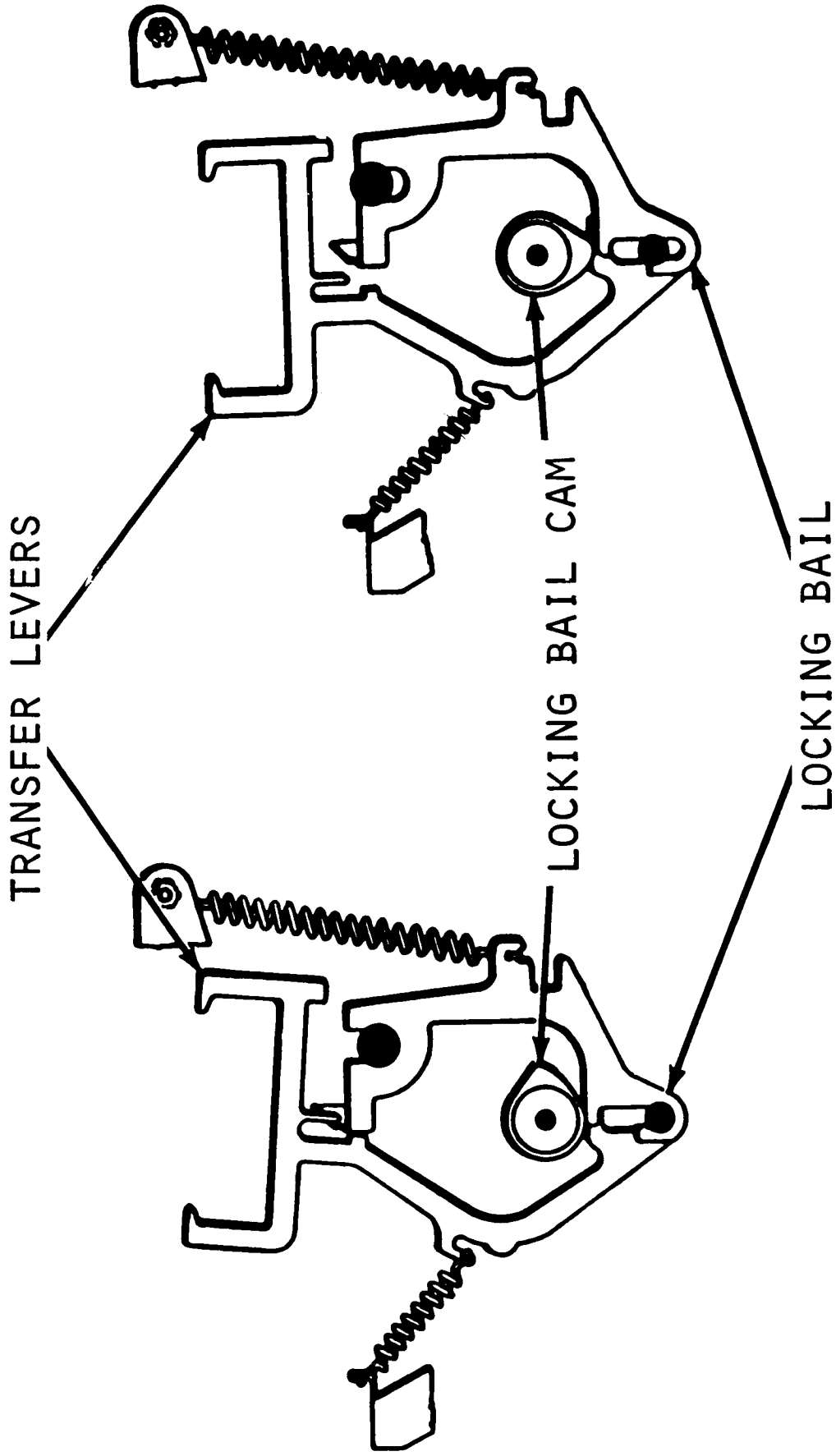


MOD 28 ASR-AN/UGC-6K- CODE BAR SELECTION (RIGHT FRONT VIEW)

3-1-5D

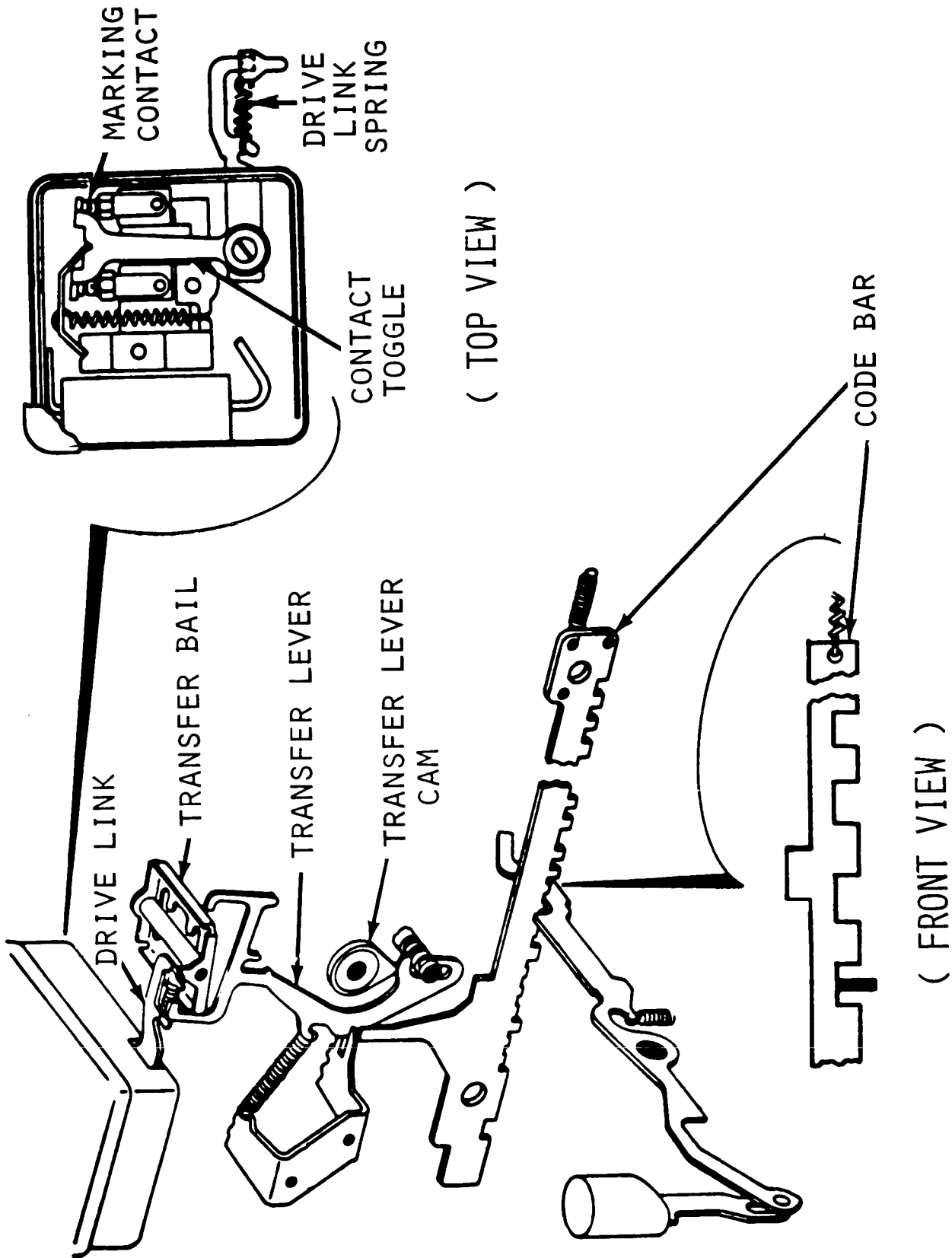


MOD 28 ASR-AN/UGC-6K- TRANSFER LEVER MECHANISM

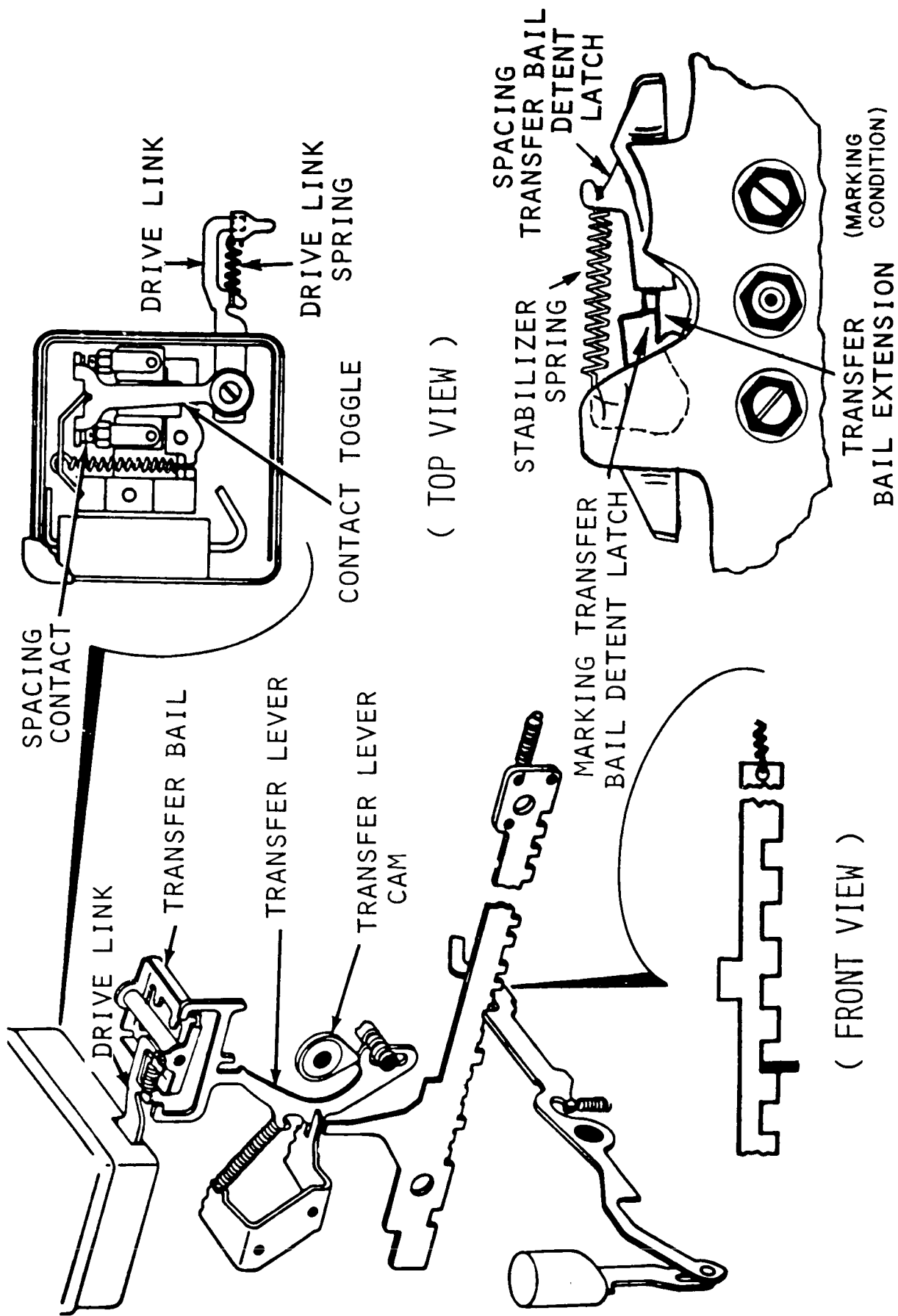


MOD 28 ASR-AN/UGC-6K- LOCKING BAIL

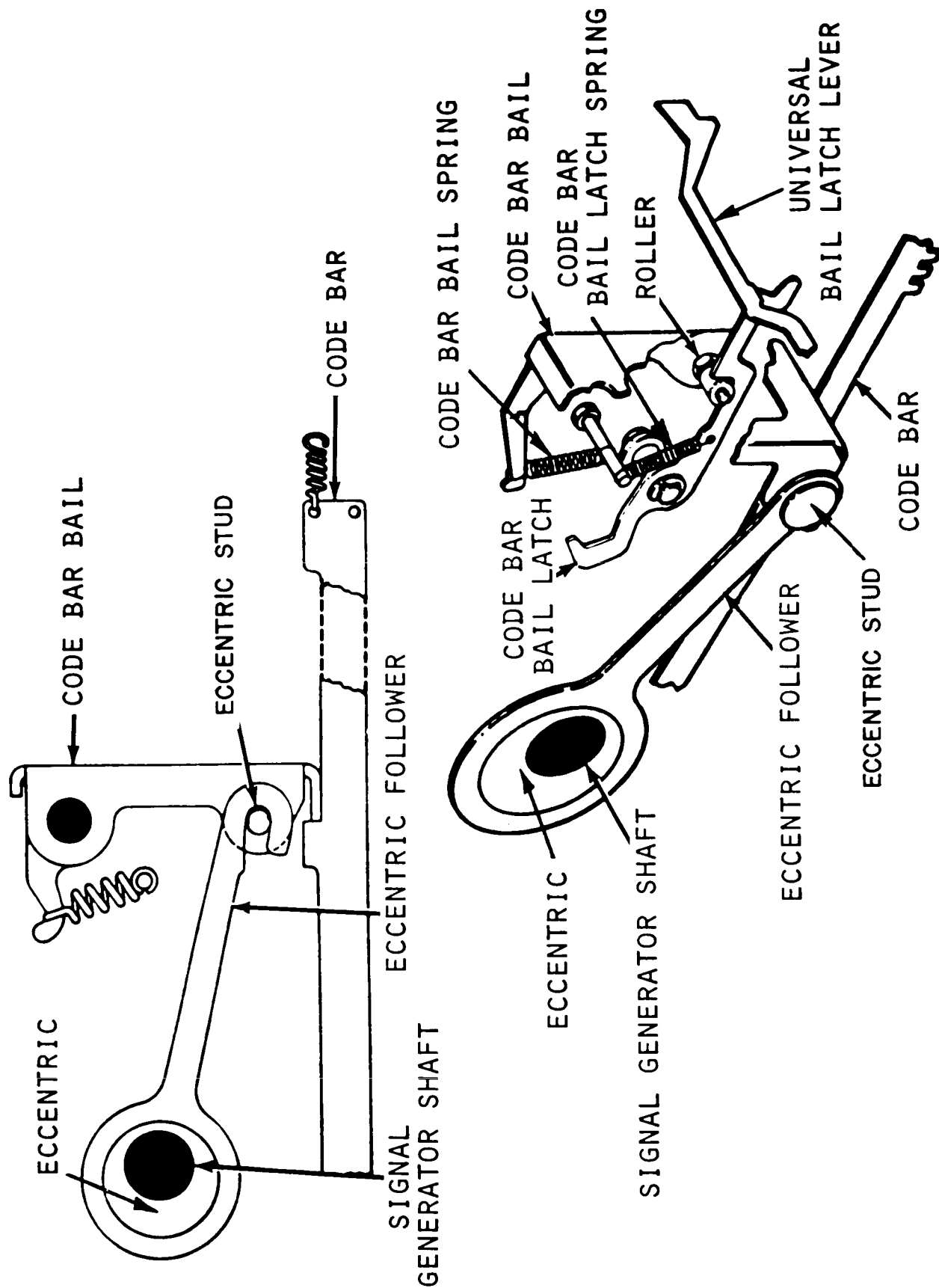
3-1-7D



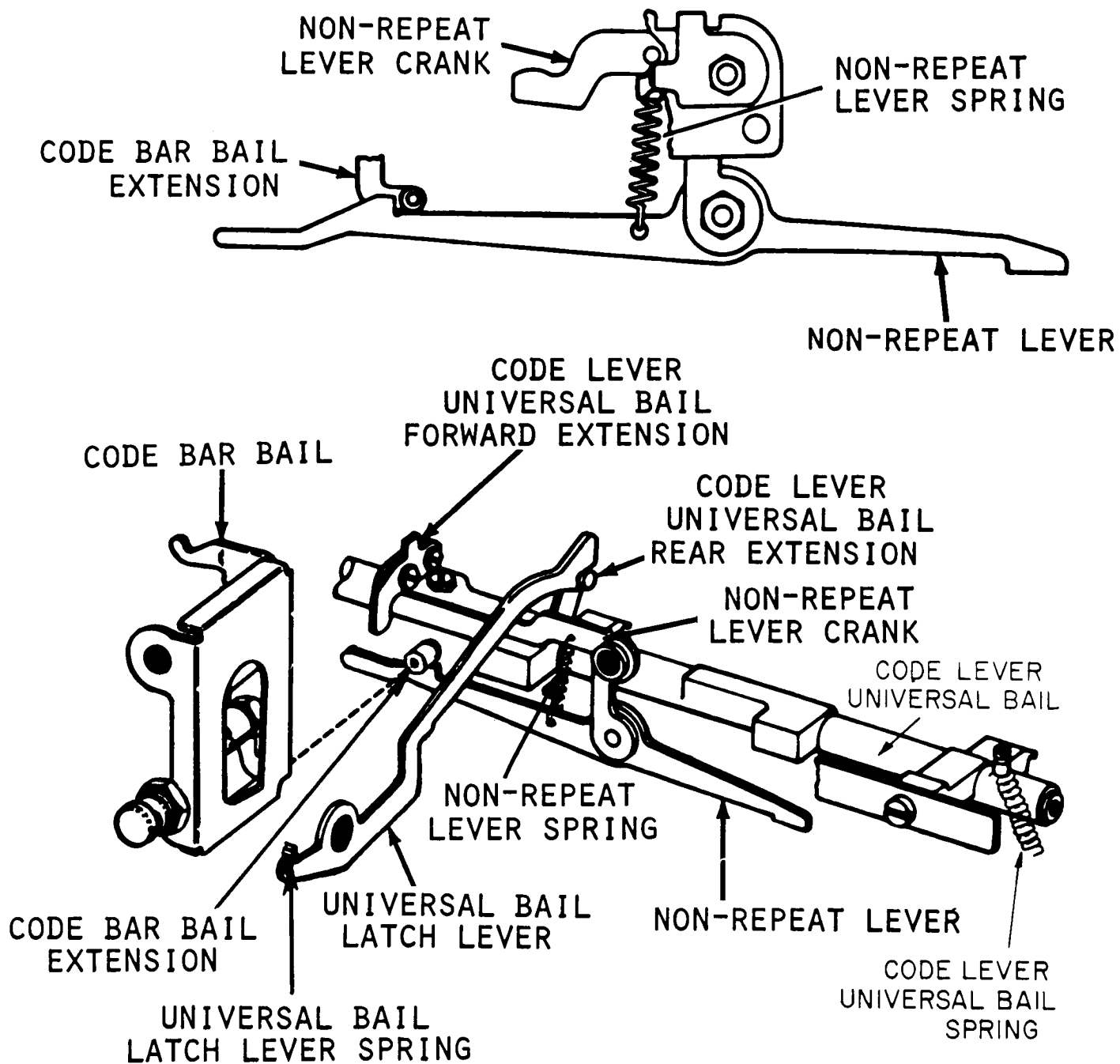
MOD 28 ASR-AN/UGC-6K- SIGNAL CONTACT BOX (MARKING)



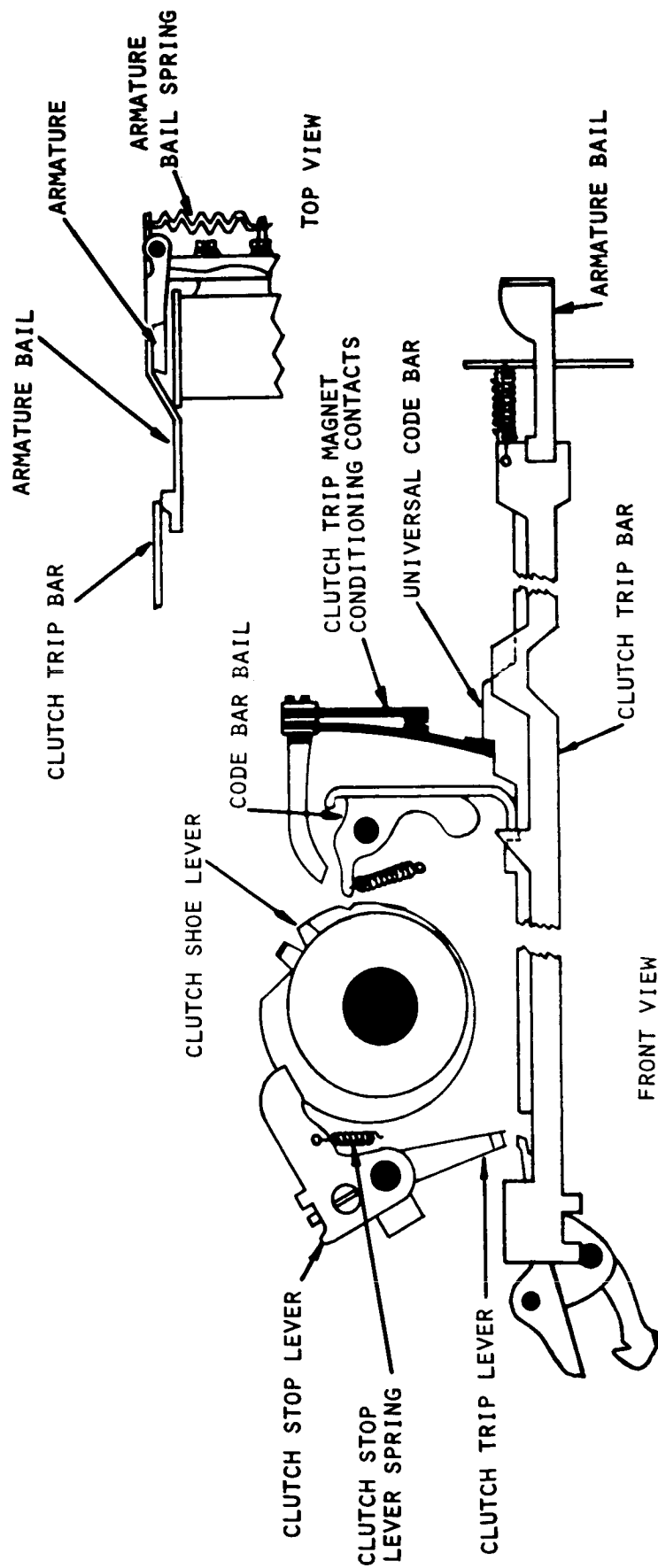
MOD 28 ASR-AN/UGC-6K- SIGNAL CONTACT BOX (SPACING)



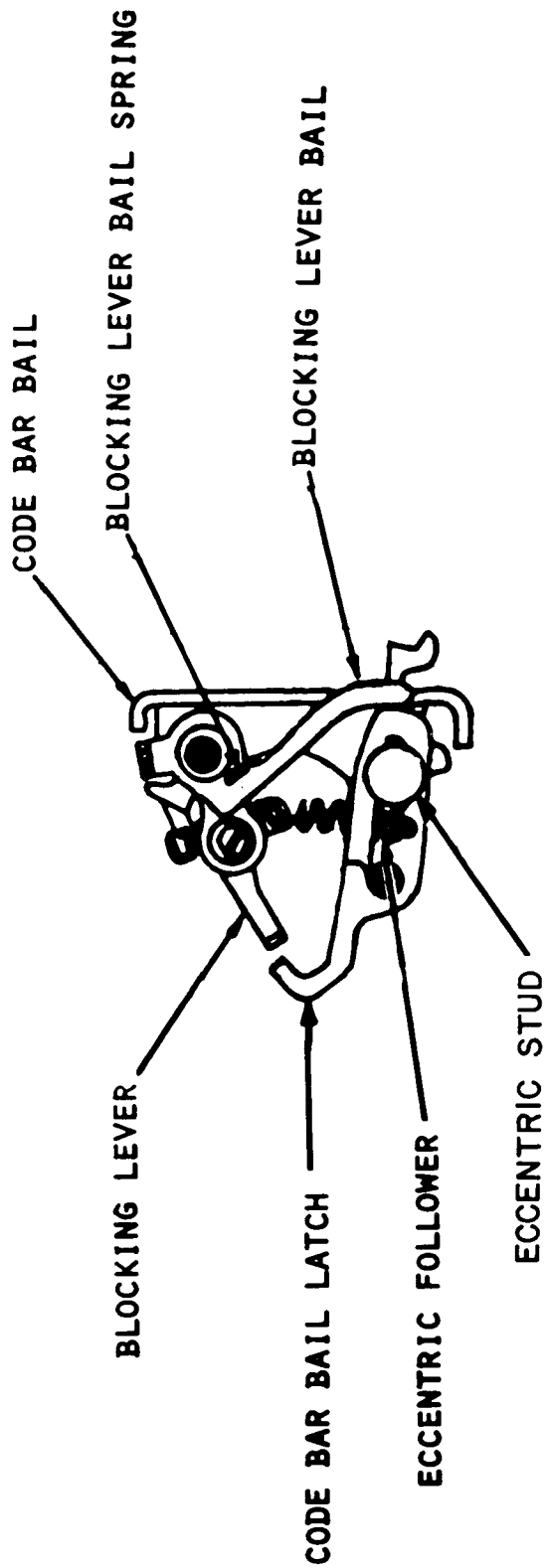
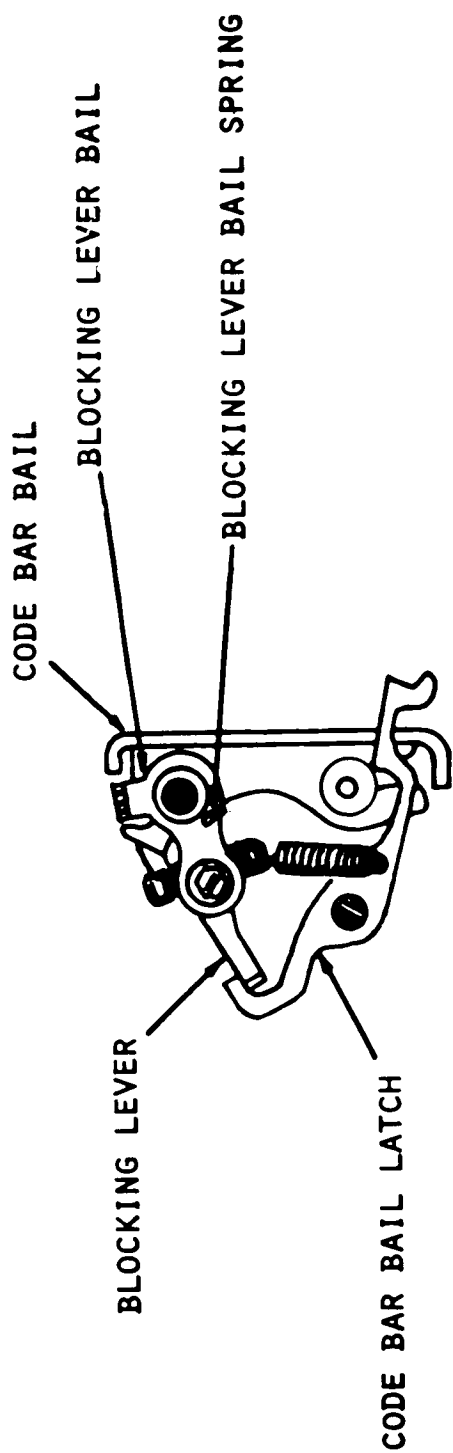
MOD 28 ASR-AN/UGC- KEYBOARD RESET #1



MOD 28 ASR-AN/UGC-6K- KEYBOARD RESET #2

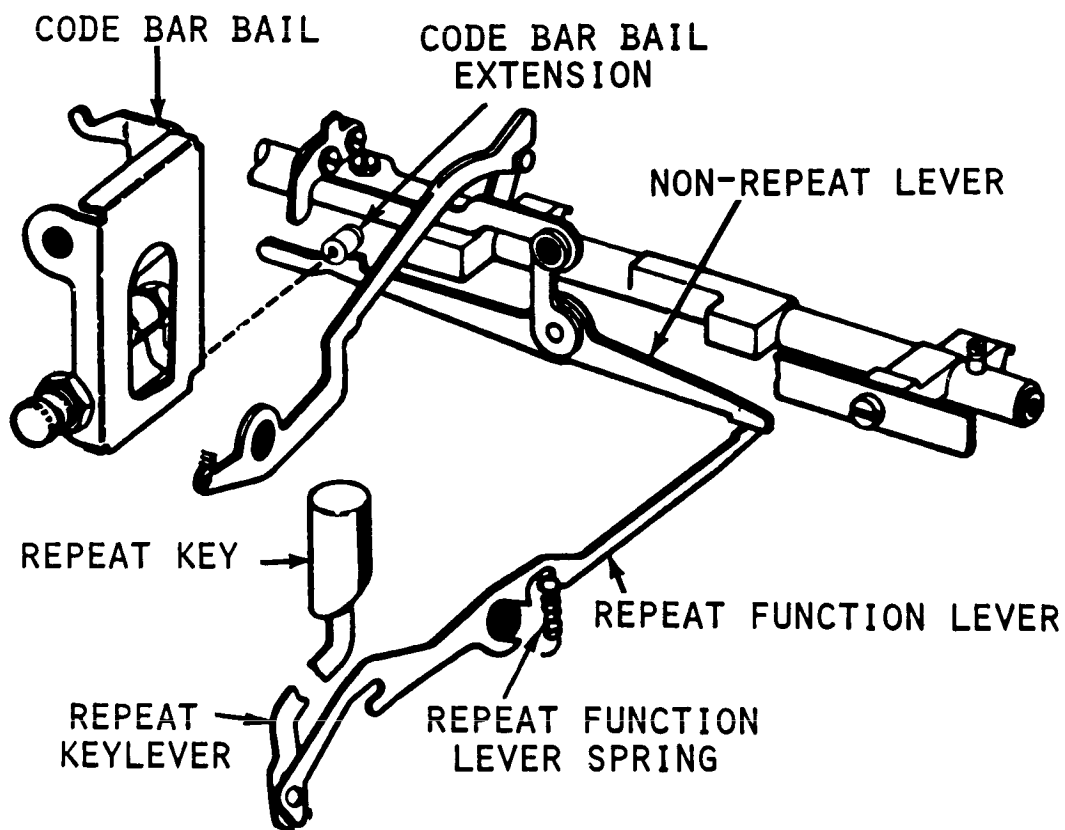
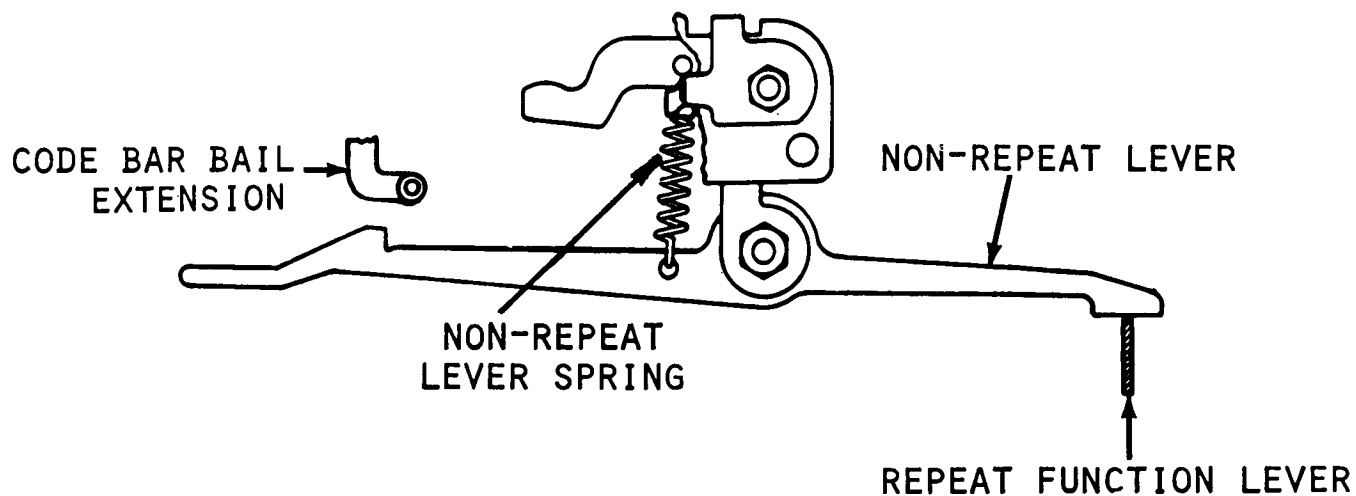


MOD 28 ASR-AN/UGC-6K DISENGAGING SIGNAL GENERATOR CLUTCH

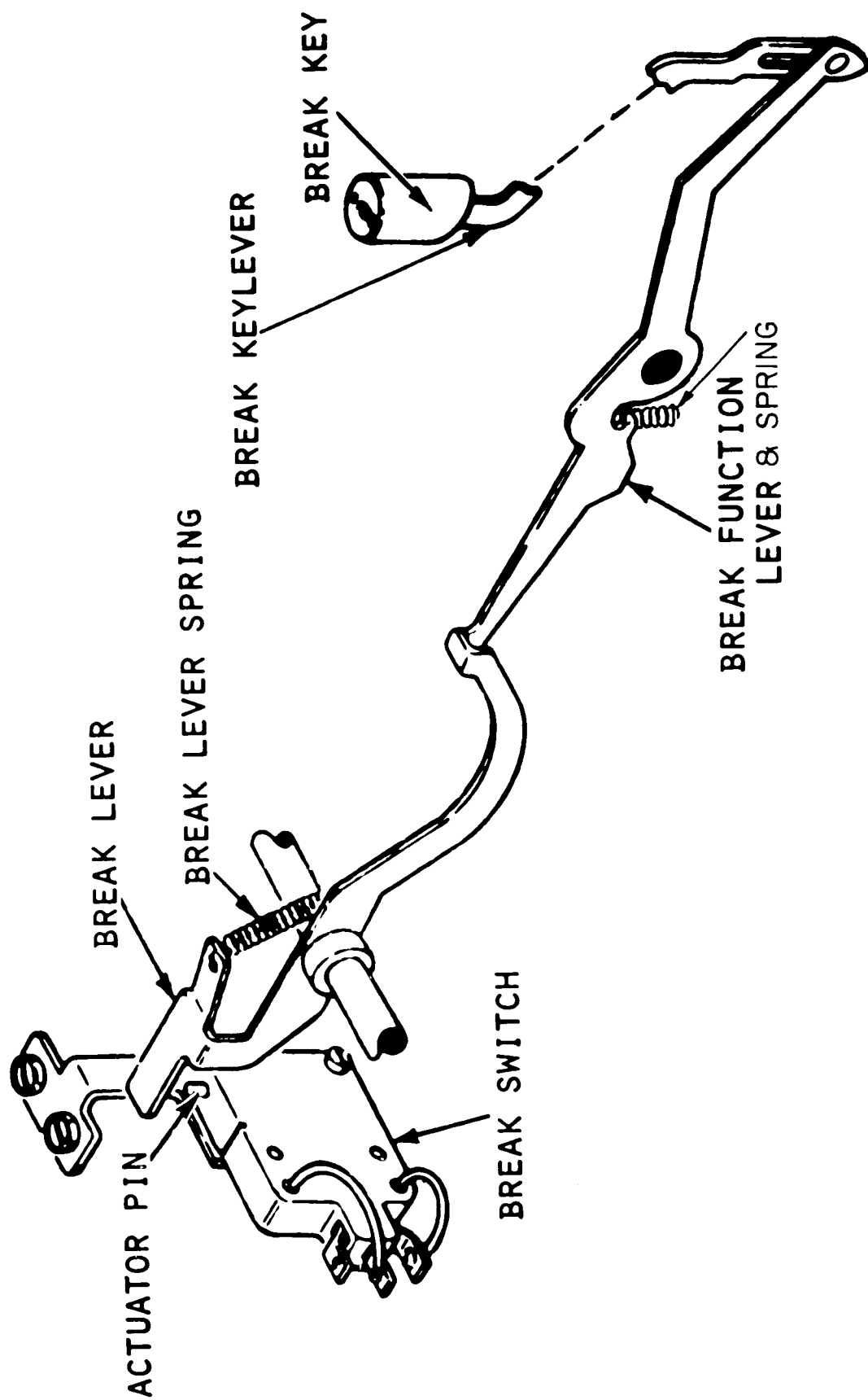


MOD 28 ASR-AN/U6C-6K CLUTCH TRIP DELAY

3-1-13D

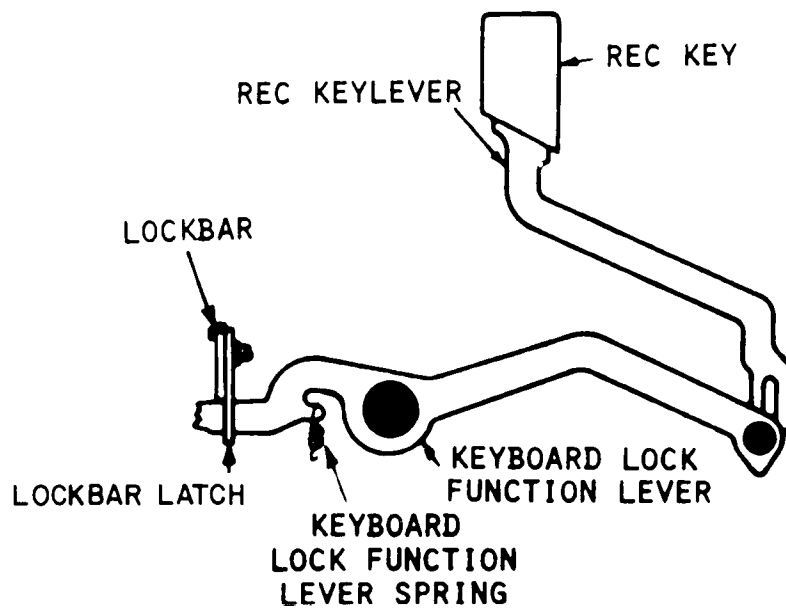


MOD 28 ASR-AN/UGC-6K- REPEAT KEY OPERATION

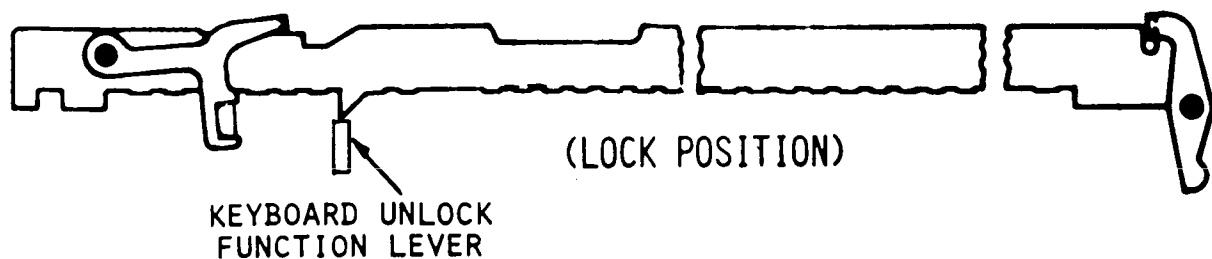
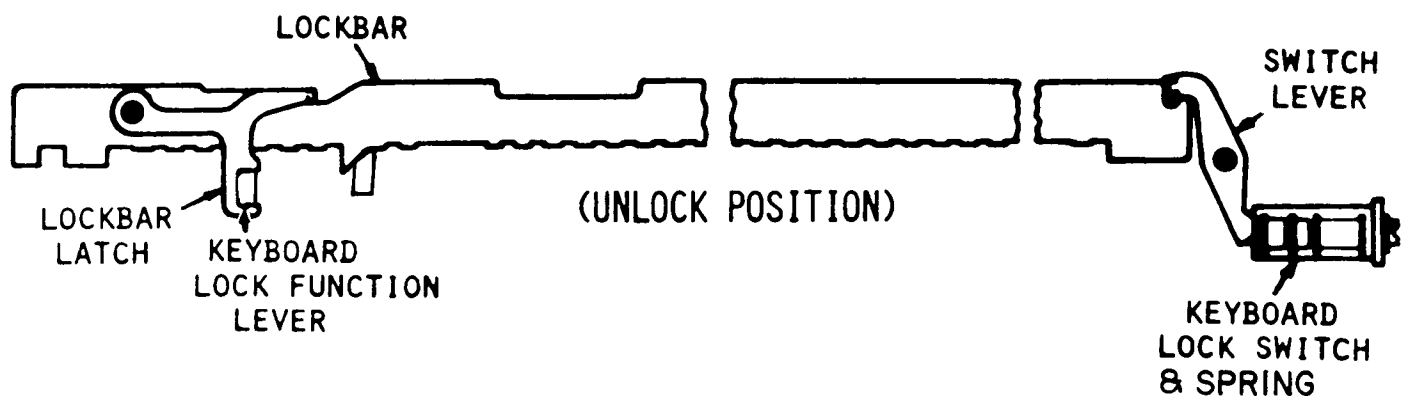


MOD 28 ASR-AN/UGC-6K- LINE BREAK MECHANISM

3-1-15D

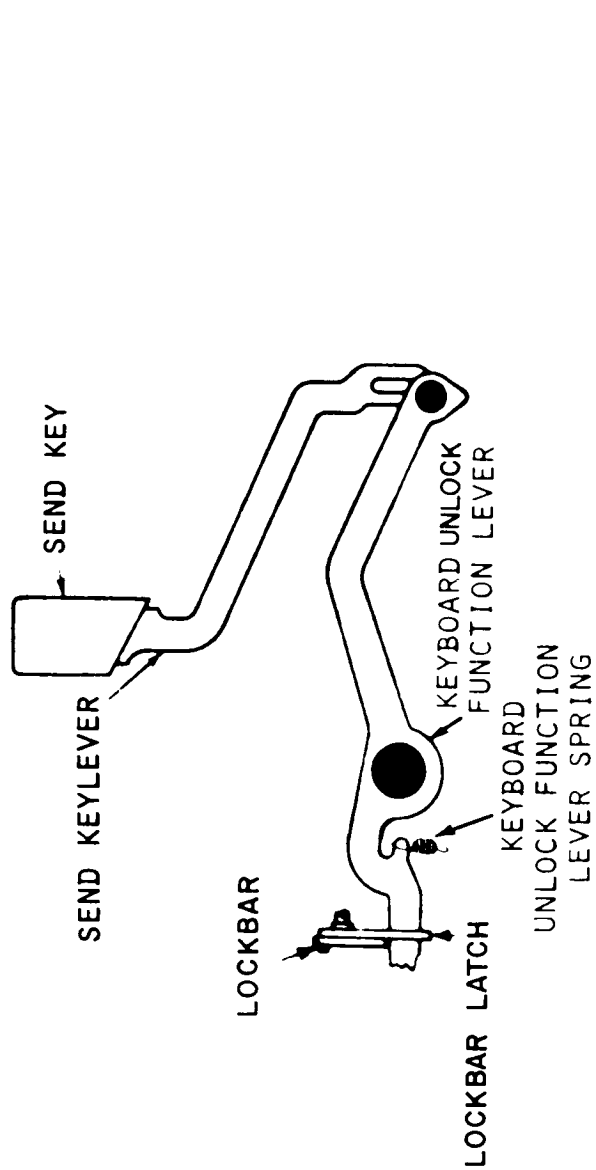


(LEFT VIEW)

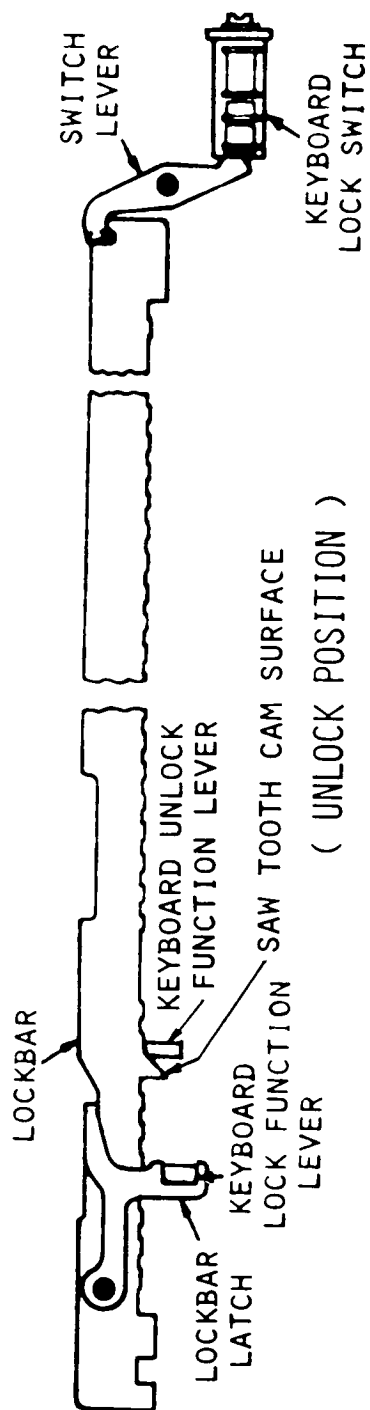


(FRONT VIEW)

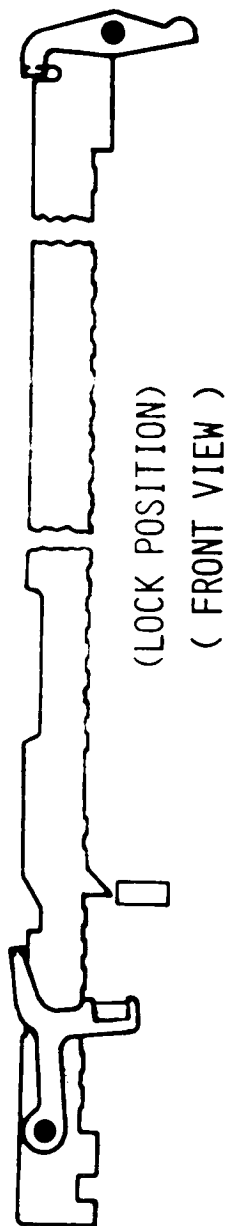
MOD 28 ASR-AN/UGC-6K- LOCAL KEYBOARD LOCK



(LEFT VIEW)



(UNLOCK POSITION)

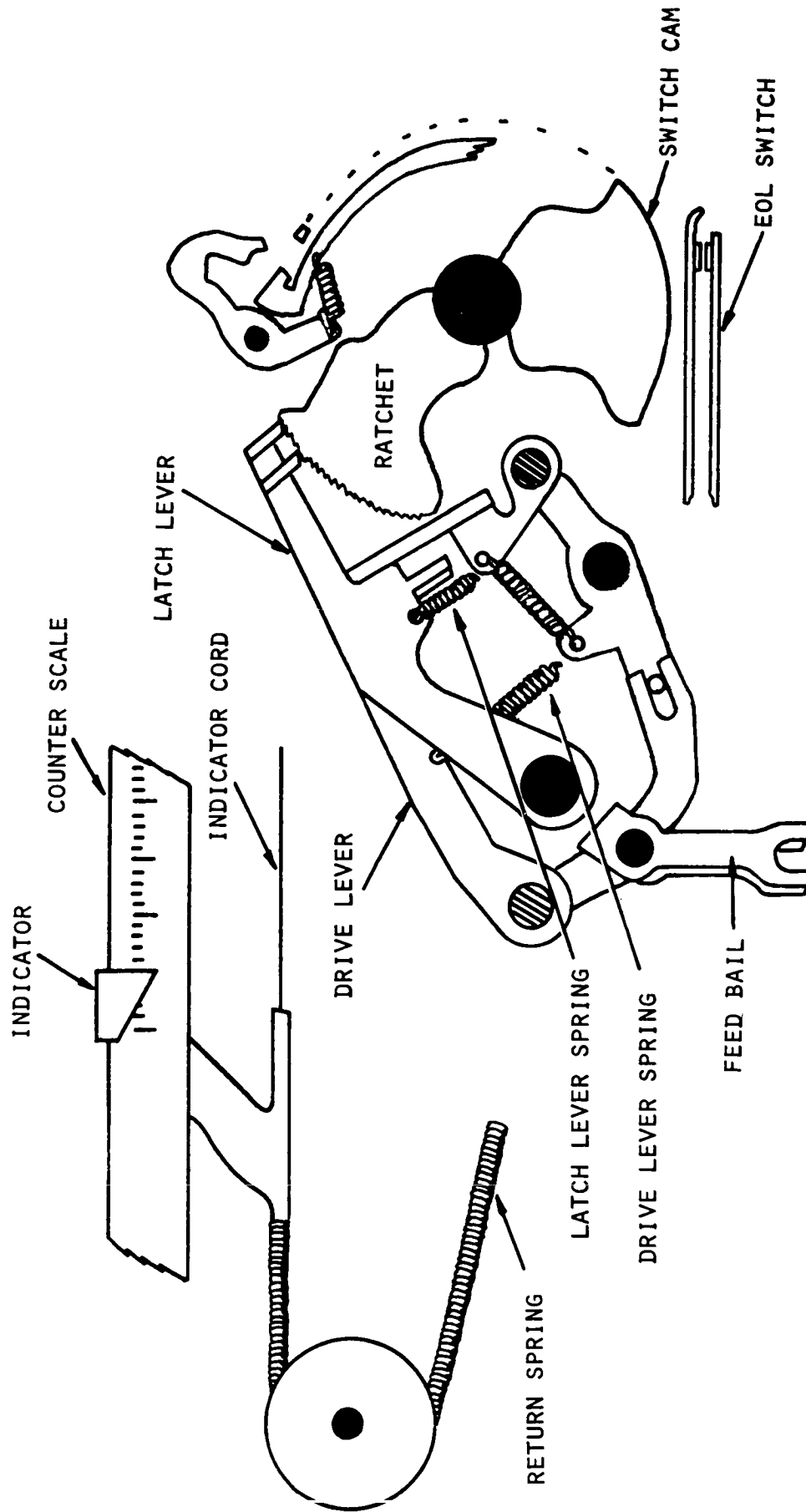


(LOCK POSITION)

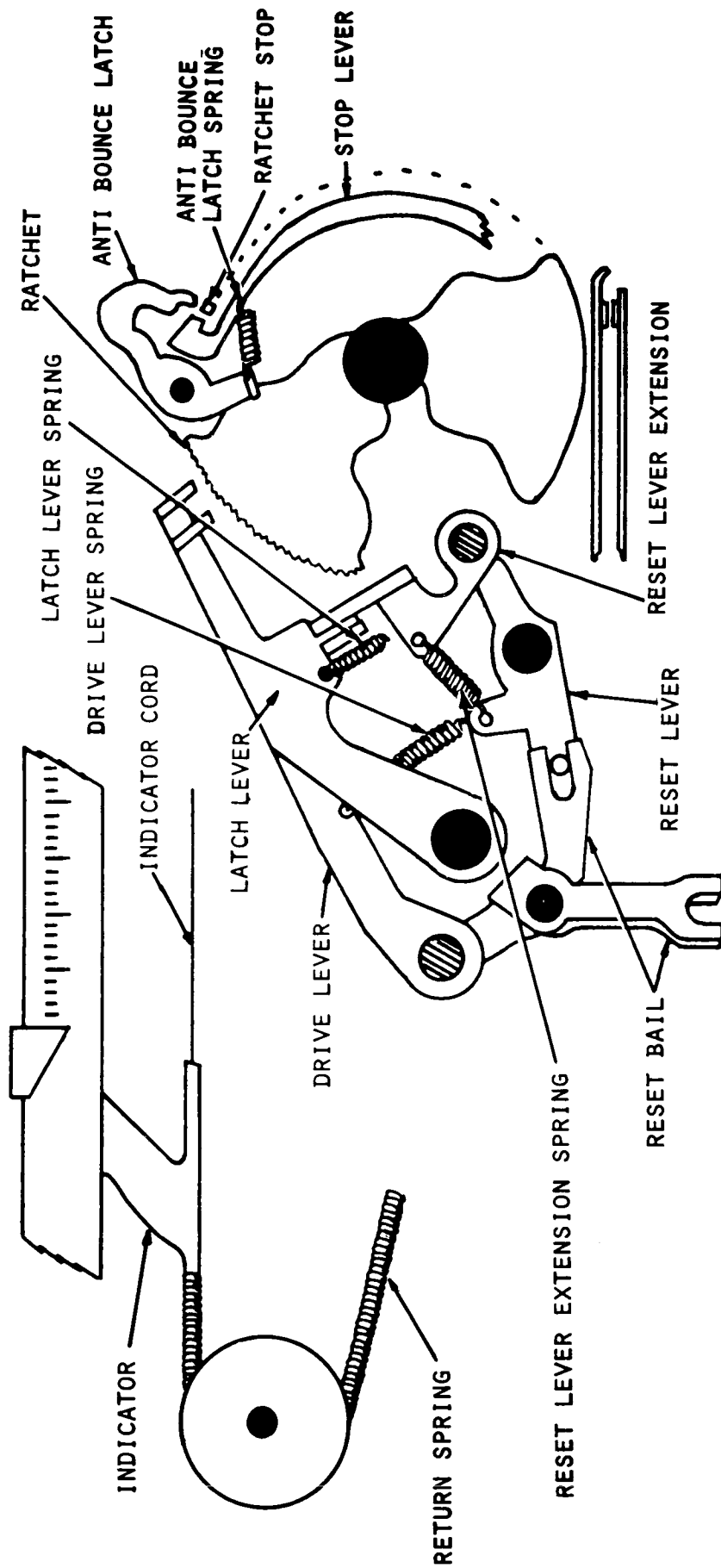
(FRONT VIEW)

MOD 28 ASR-AN/UGC-6K- KEYBOARD UNLOCK

3-1-17D

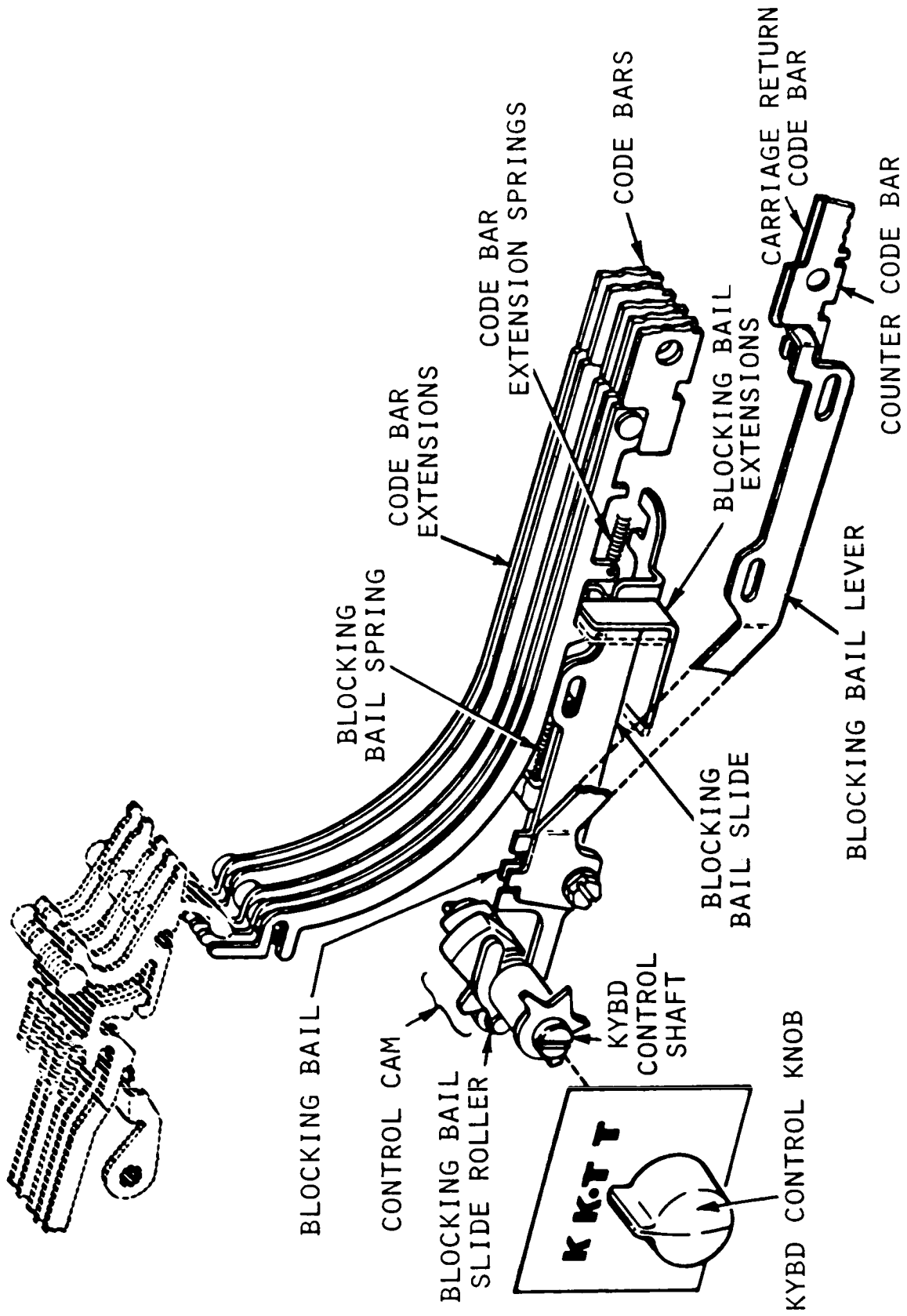


MOD 28 ASR-AN/UGC-6K CHARACTER COUNTER (COUNTING)

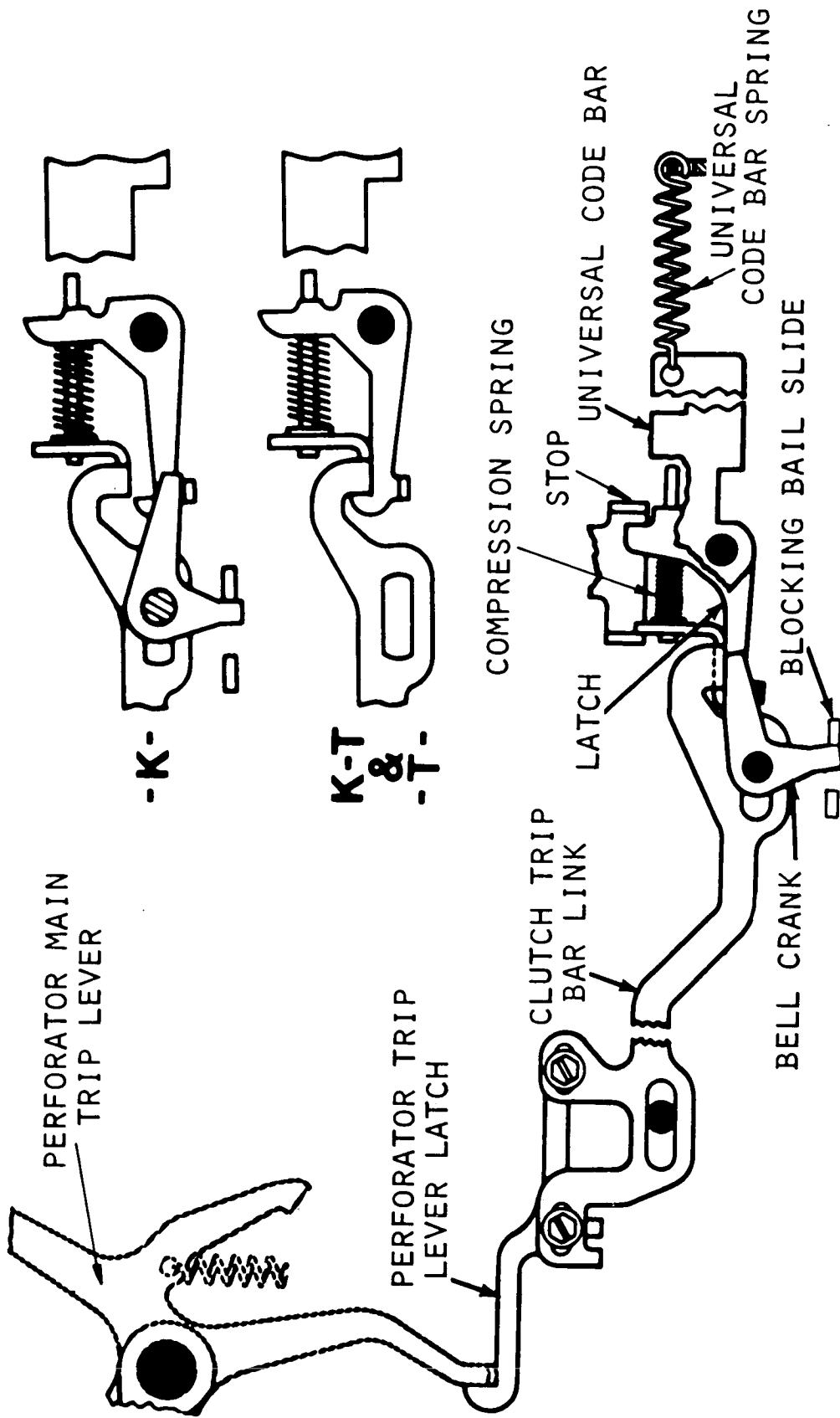


MOD 28 ASR-AN/UGC-6K CHARACTER COUNTER (RESETTING)

3-1-19D

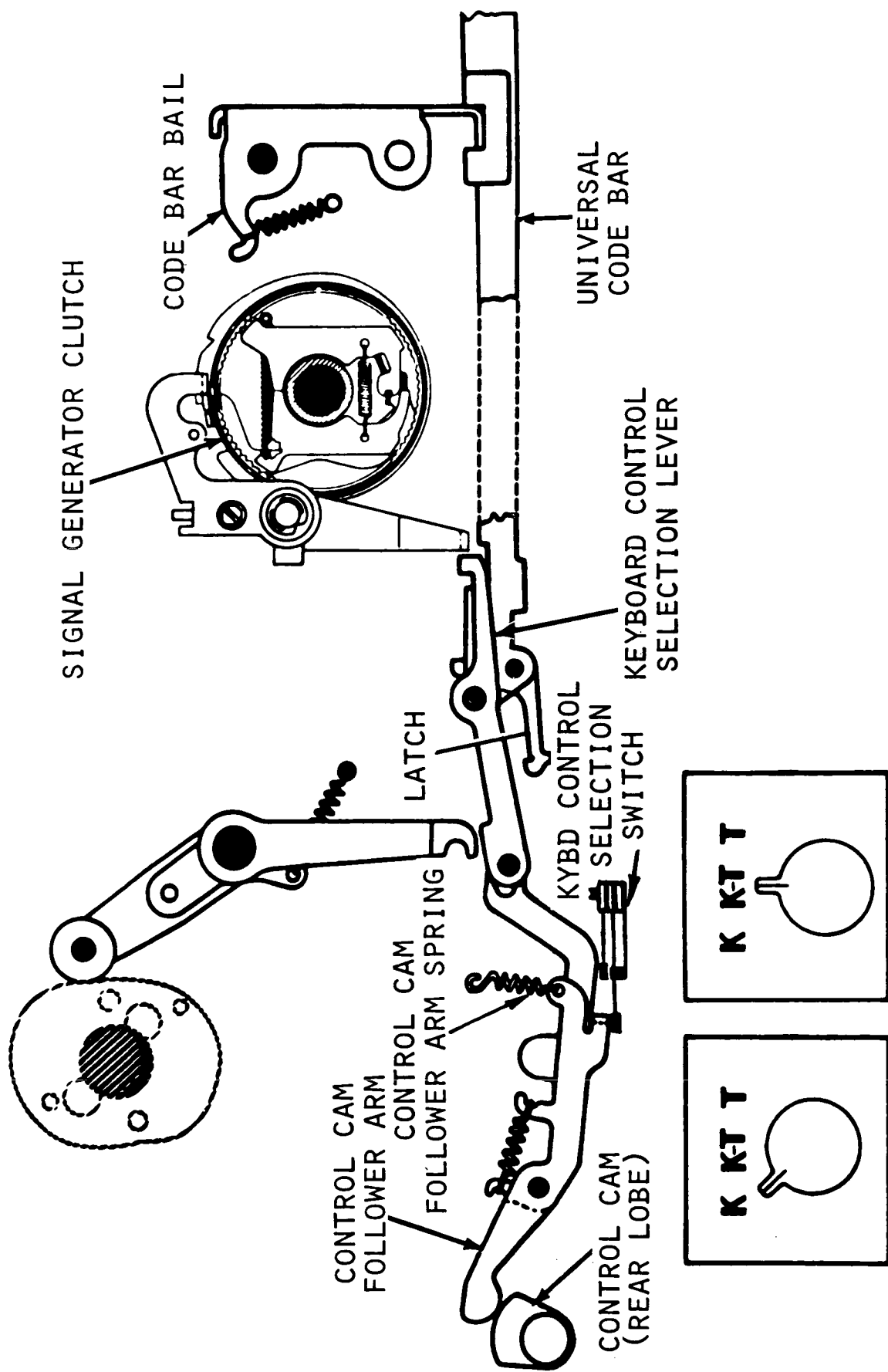


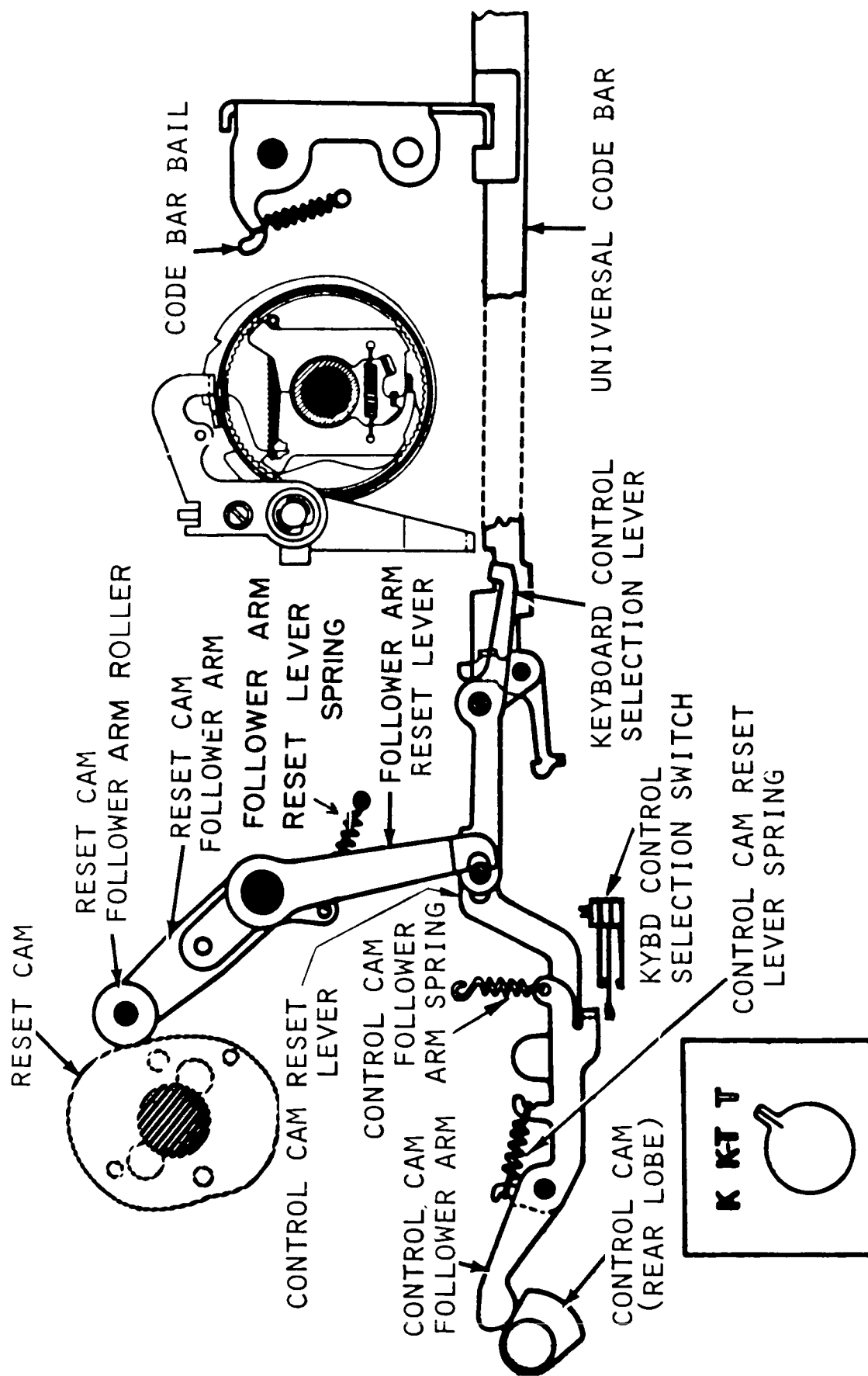
MOD 28 ASR-AN/UGC-6K- BLOCKING BAIL OPERATION



MOD 28 ASR-AN/UGC-6K- BELL CRANK OPERATION

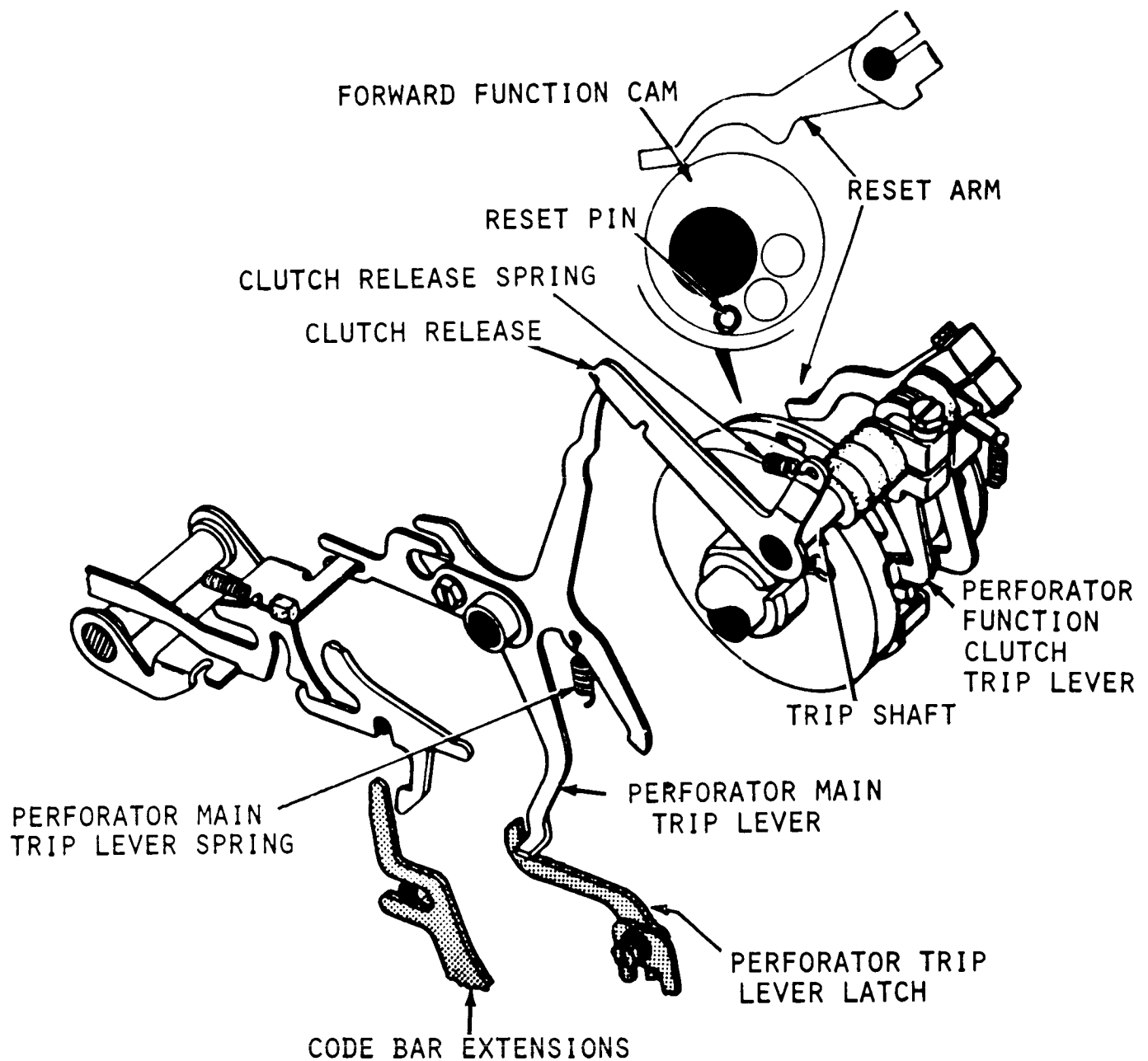
4-1-2D



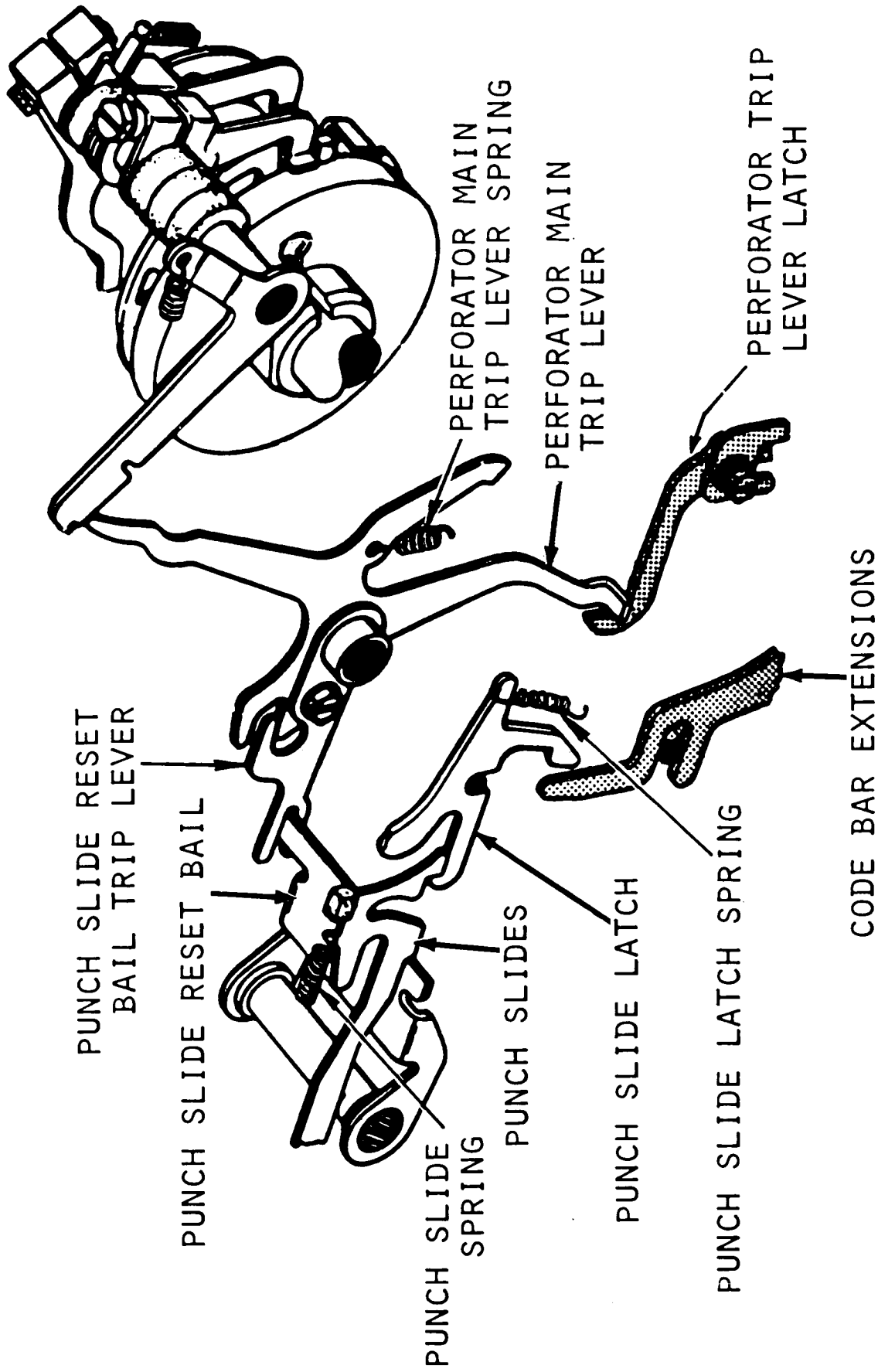


MOD 28 ASR-AN/UGC-6K- KYBD CONTROL SELECTION LEVER (T)

4-1-4D

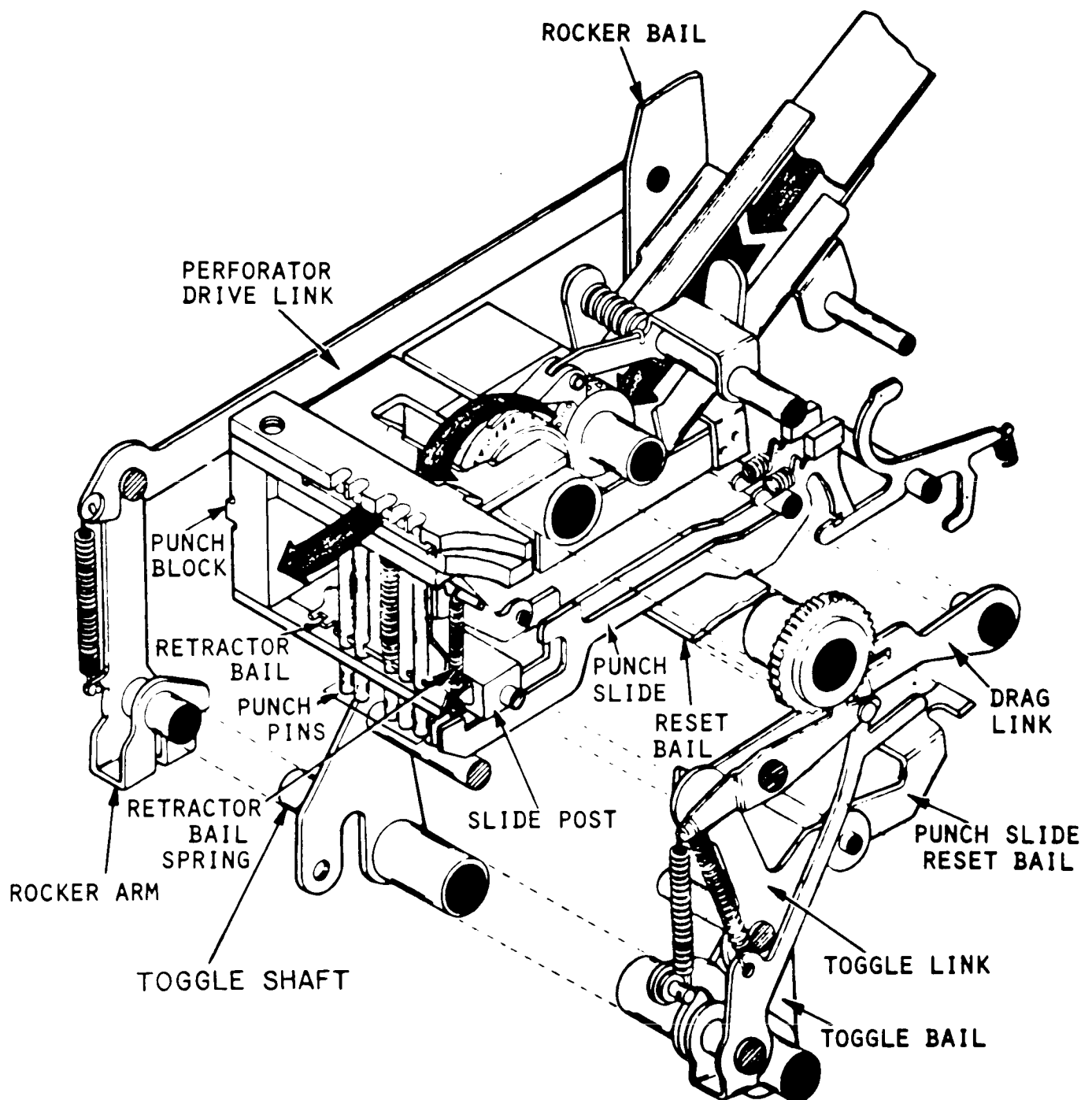


MOD 28 ASR-AN/UGC-6K- PERFORATOR FUNCTION CLUTCH TRIP

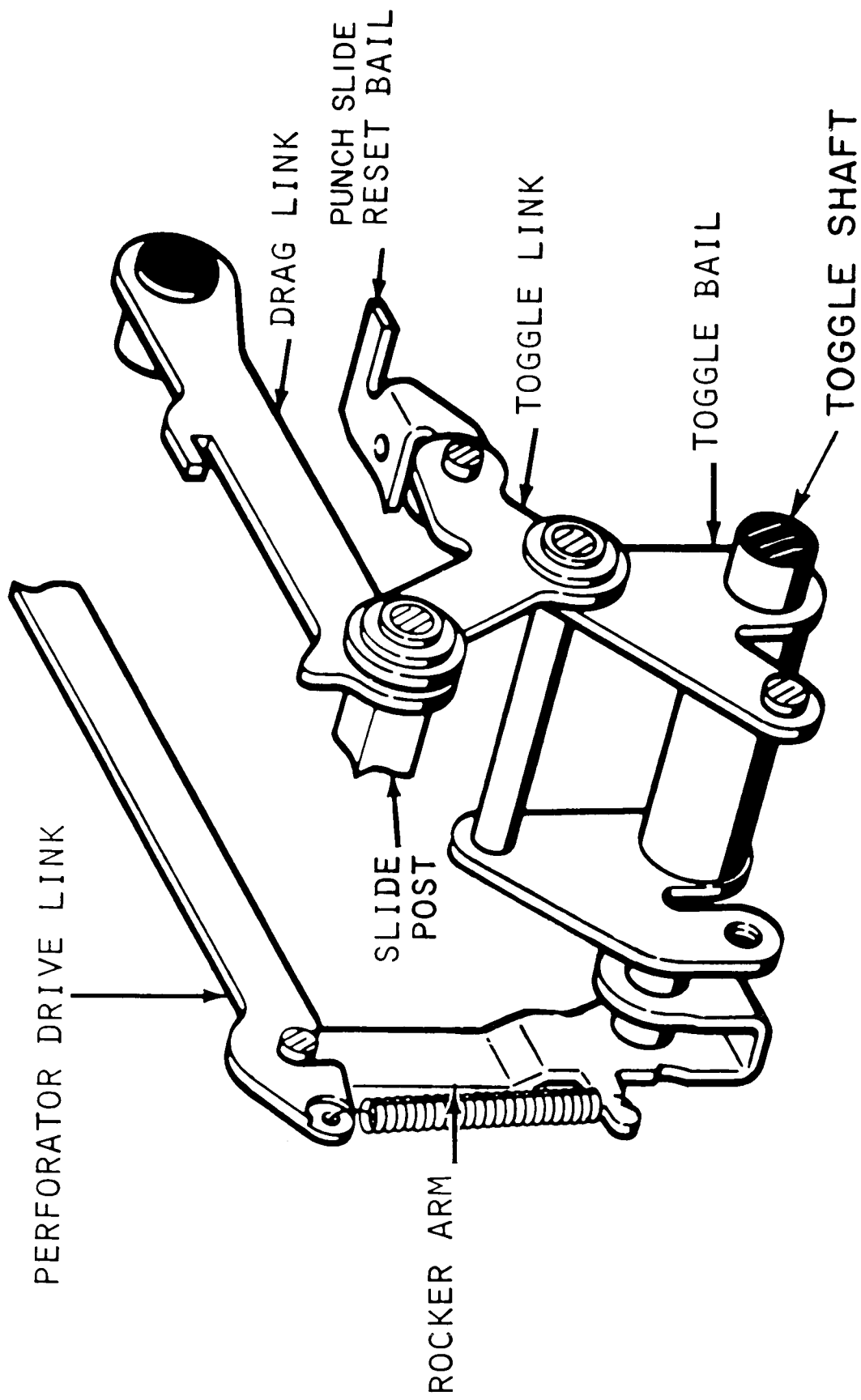


MOD 28 ASR-AN/UGC-6K- PUNCH SLIDE RESET BAIL

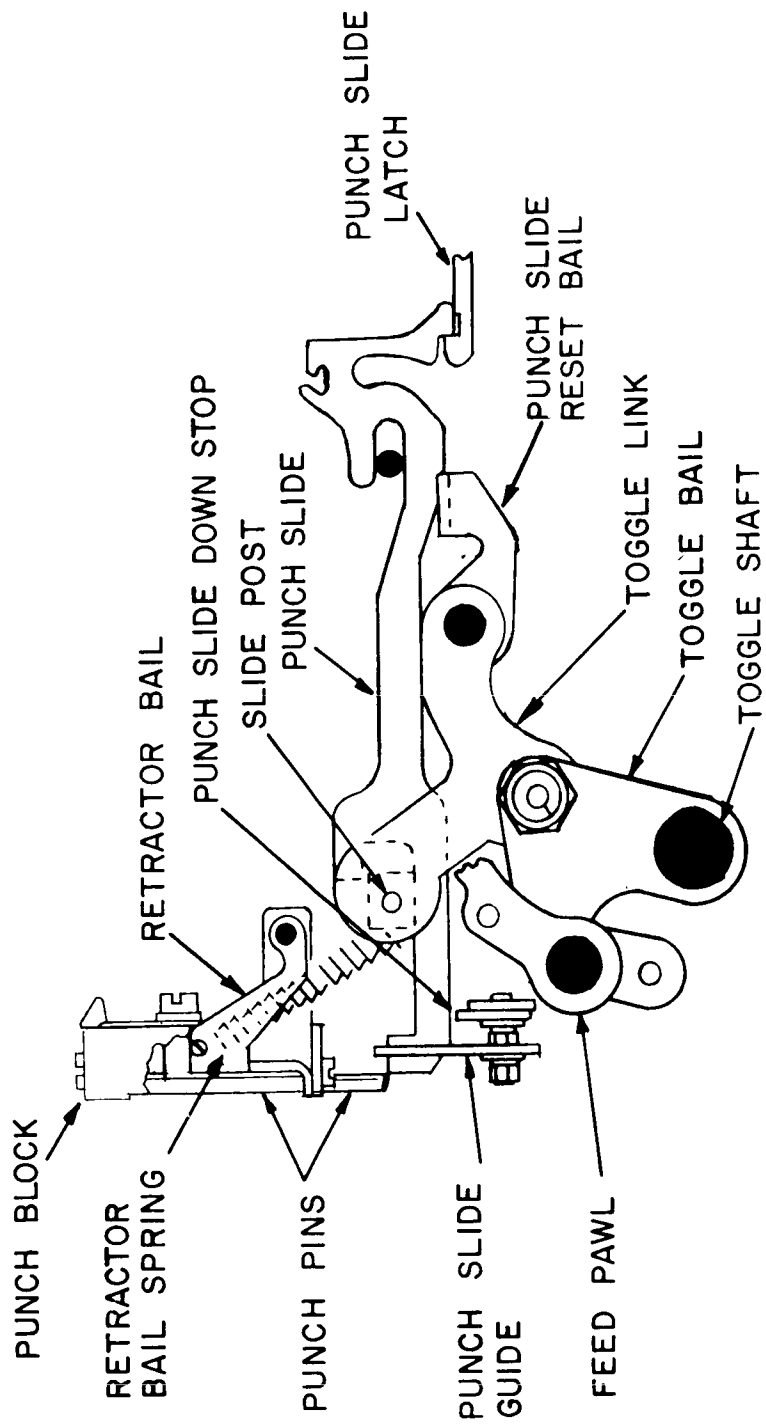
4-1-6D



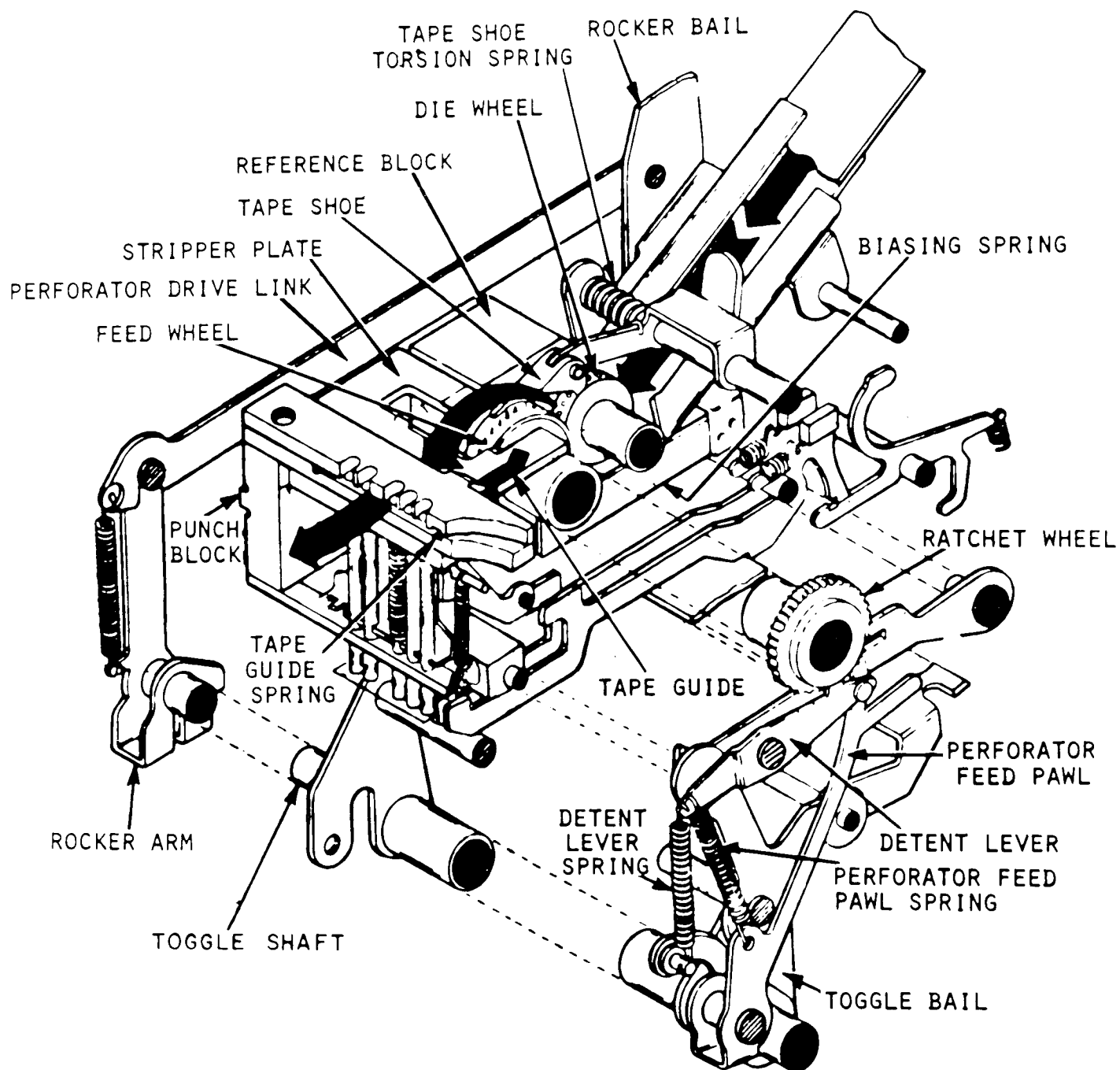
MOD 28 ASR-AN/UGC-6K- PUNCH MECHANISM



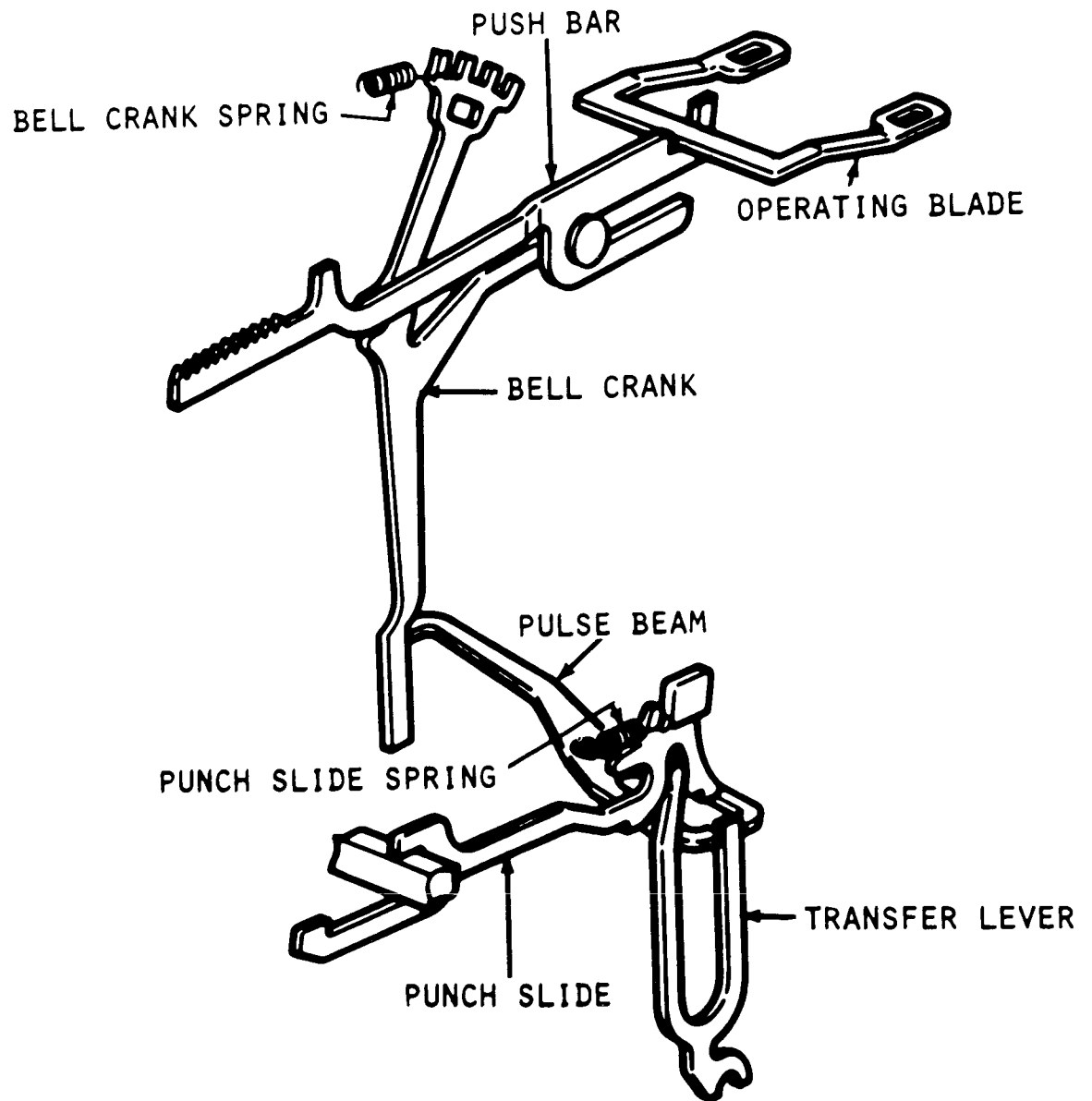
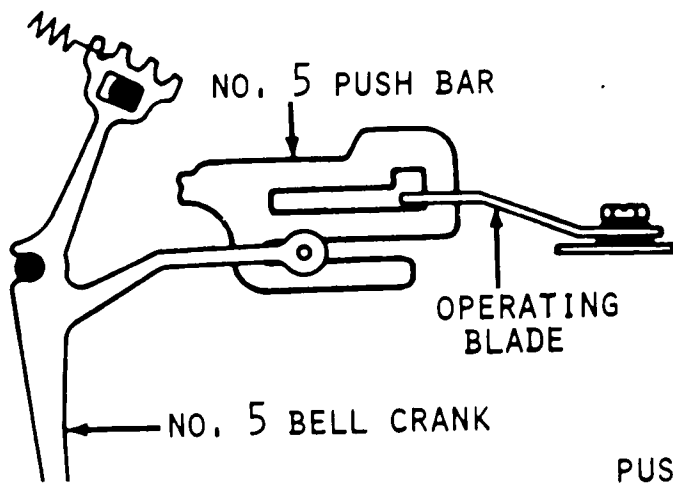
MOD 28 ASR-AN/UGC-6K- TOGGLE BAIL OPERATION



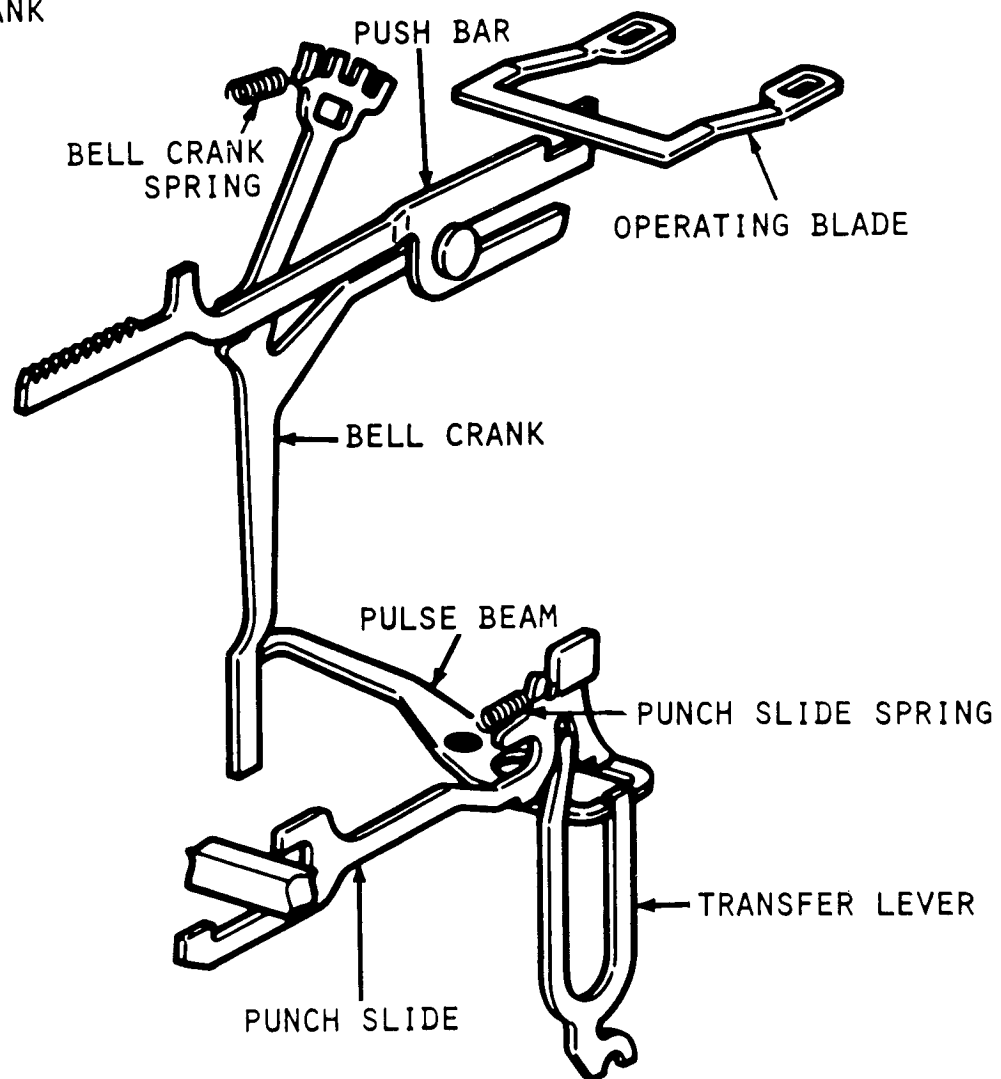
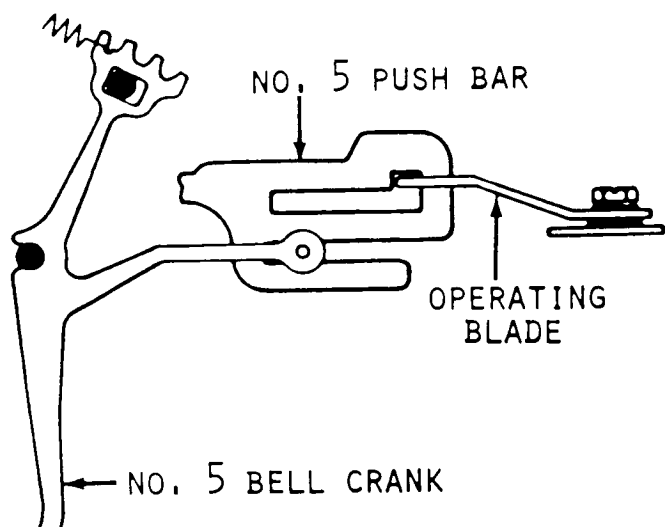
MOD 28 ASR-AN/UGC-6K - PUNCH MECHANISM # 2



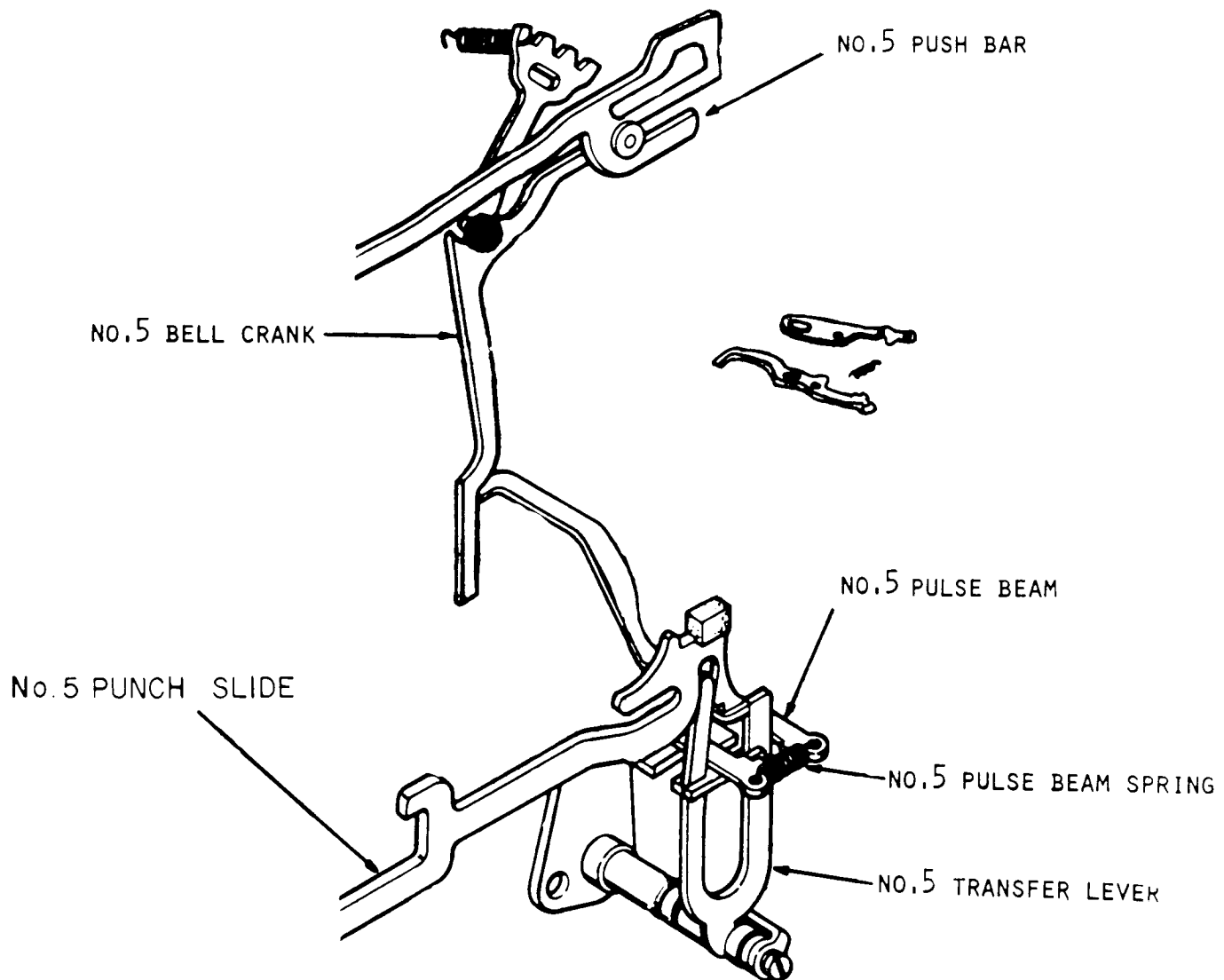
MOD 28 ASR-AN/UGC-6K- TAPE FEED AND FEED HOLE SPACING



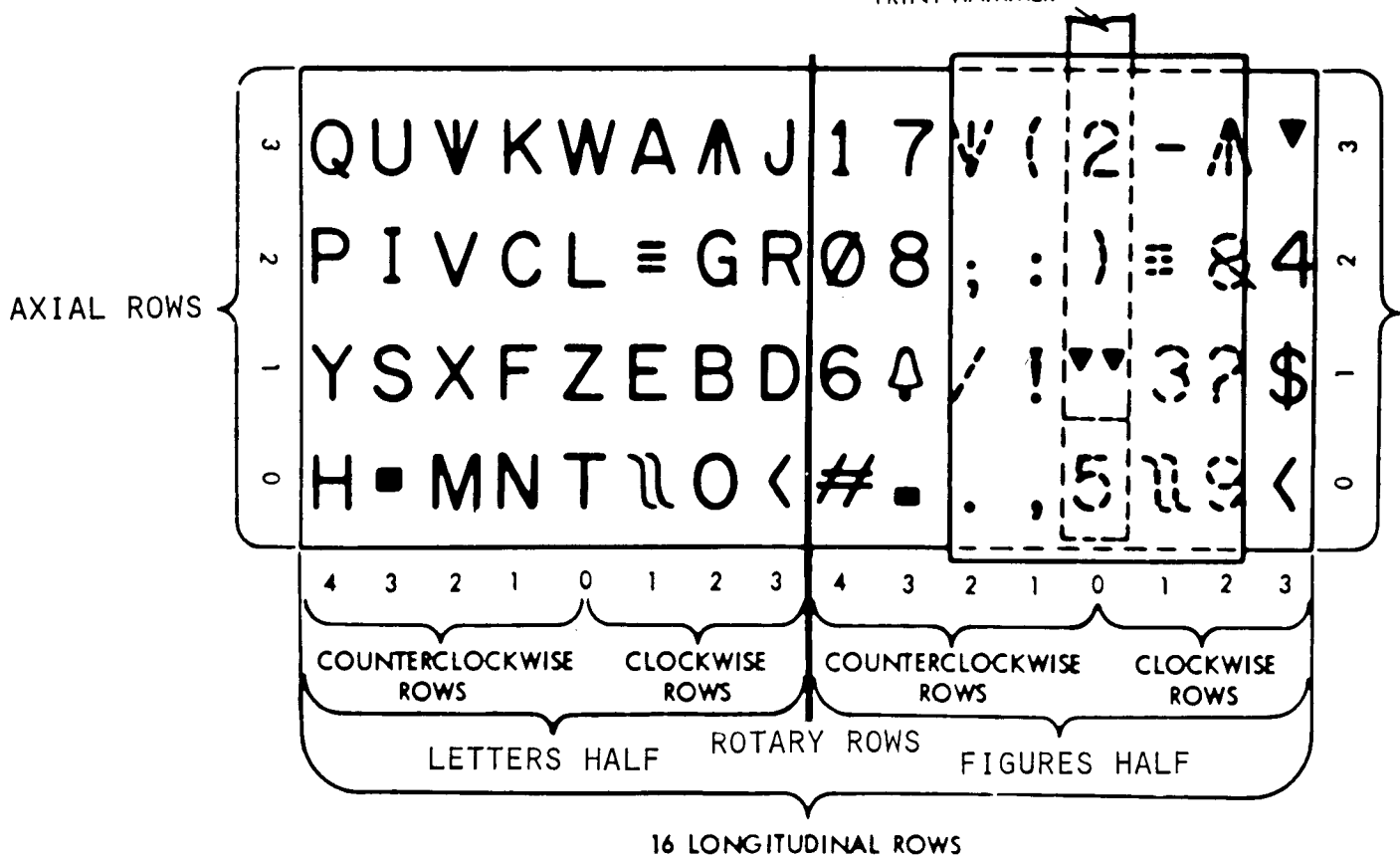
MOD 28 ASR-AN/UGC-6K- POSITIONING PUSH BARS (MARKING)

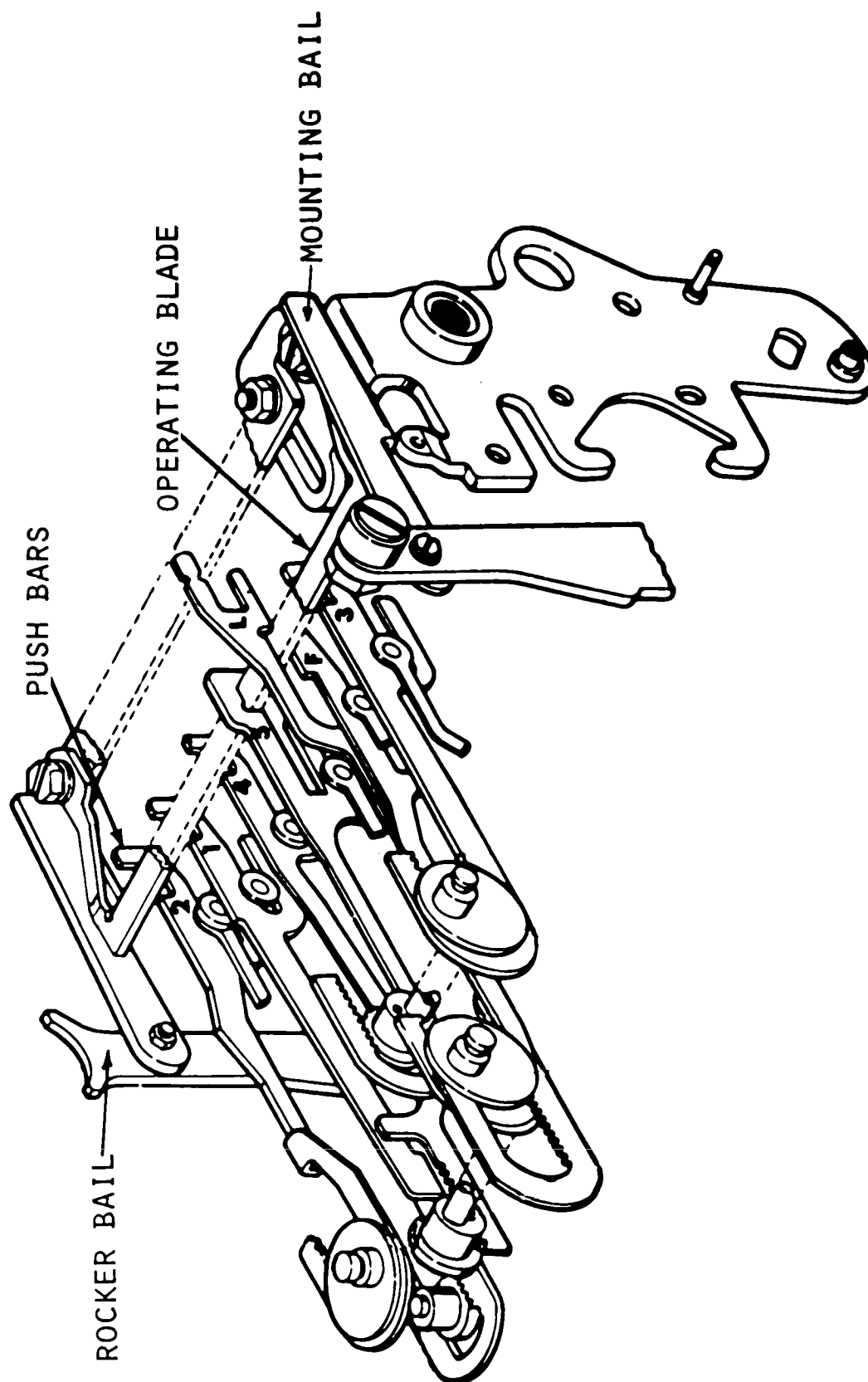


MOD 28 ASR-AN/UGC-6K- POSITIONING PUSH BARS (SPACING)

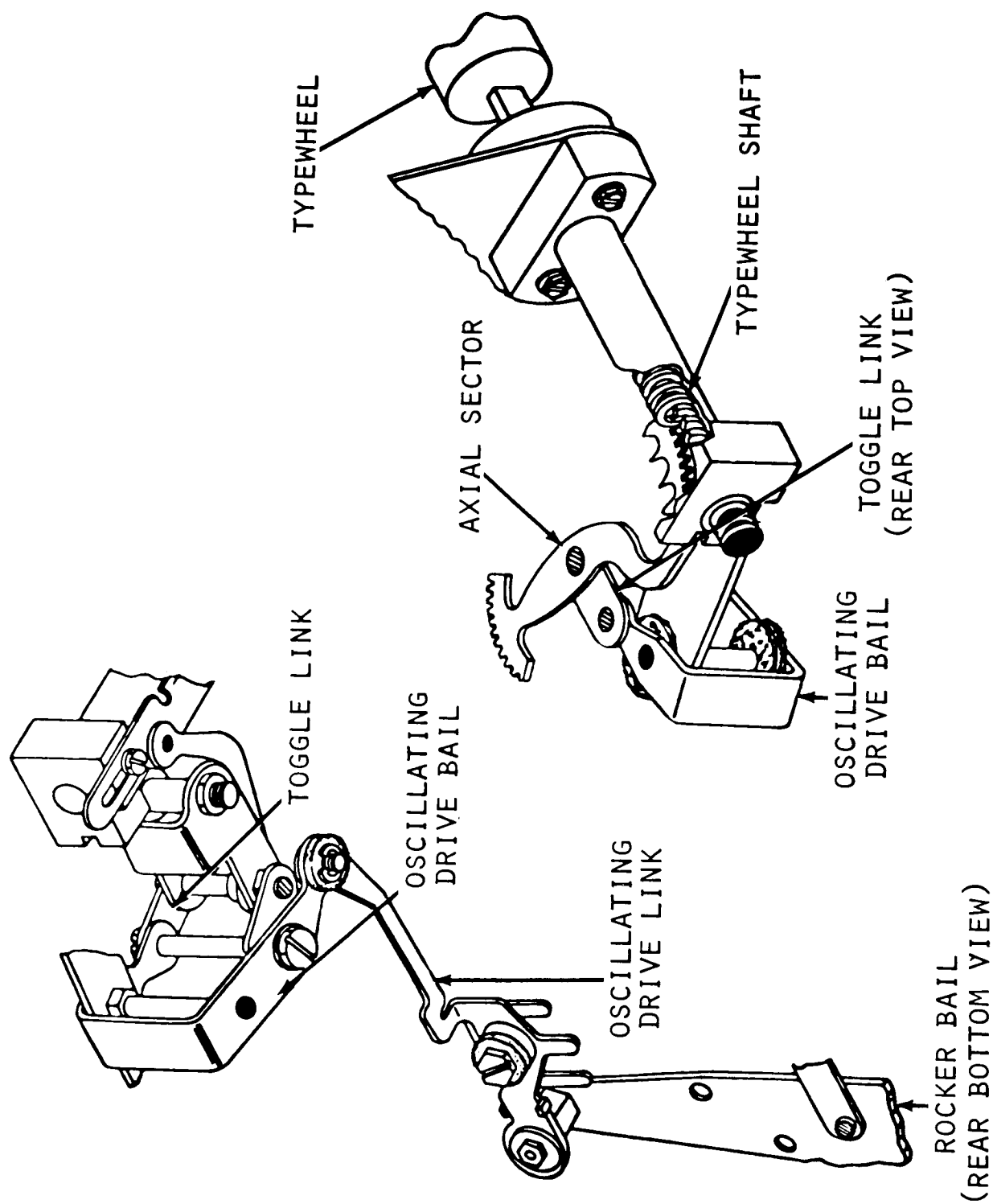


MOD 28 ASR-AN/UGC-6K NO.5 PULSE BEAM



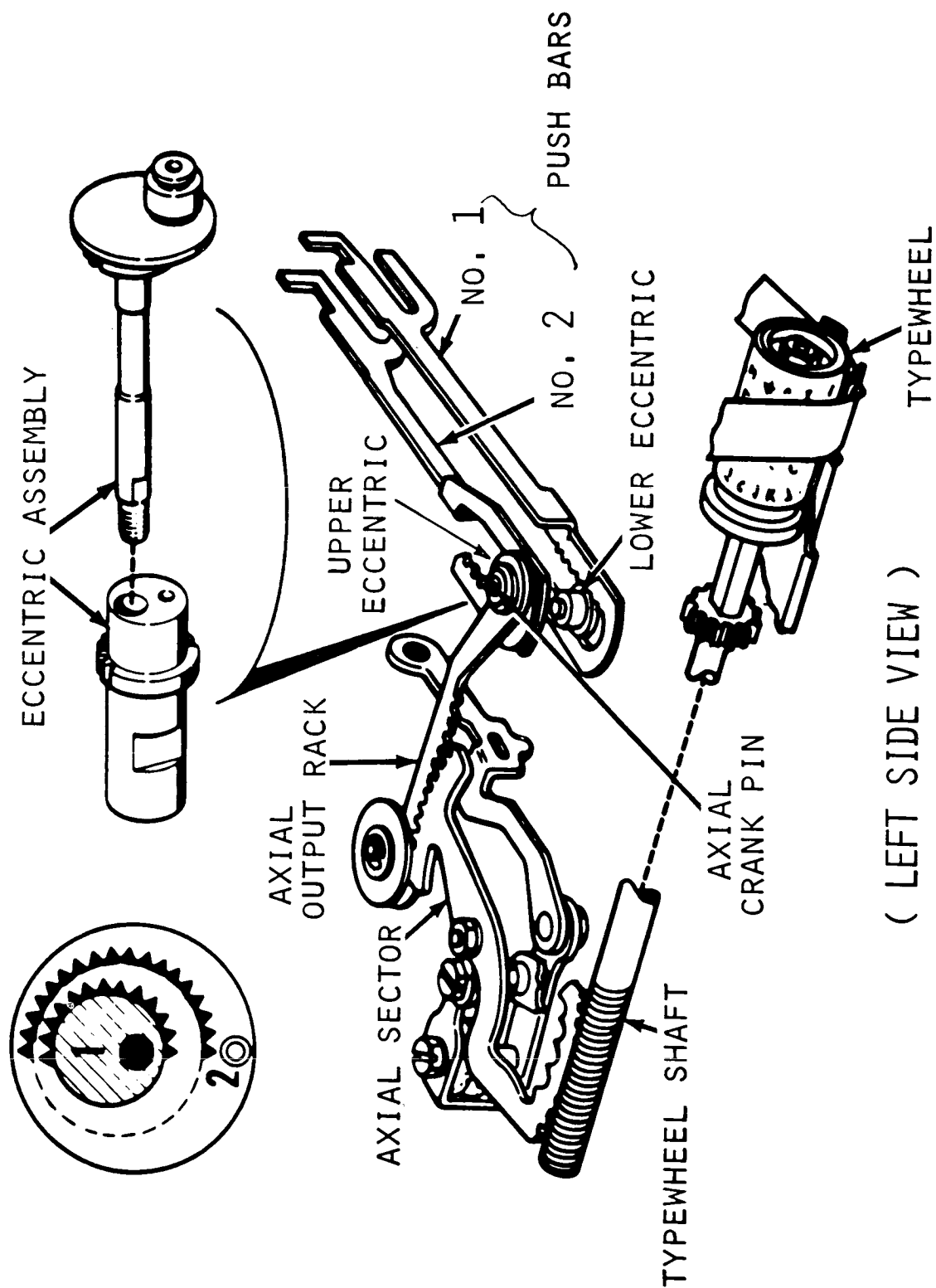


MOD 28 ASR-AN/UGC-6K- OPERATING BLADE

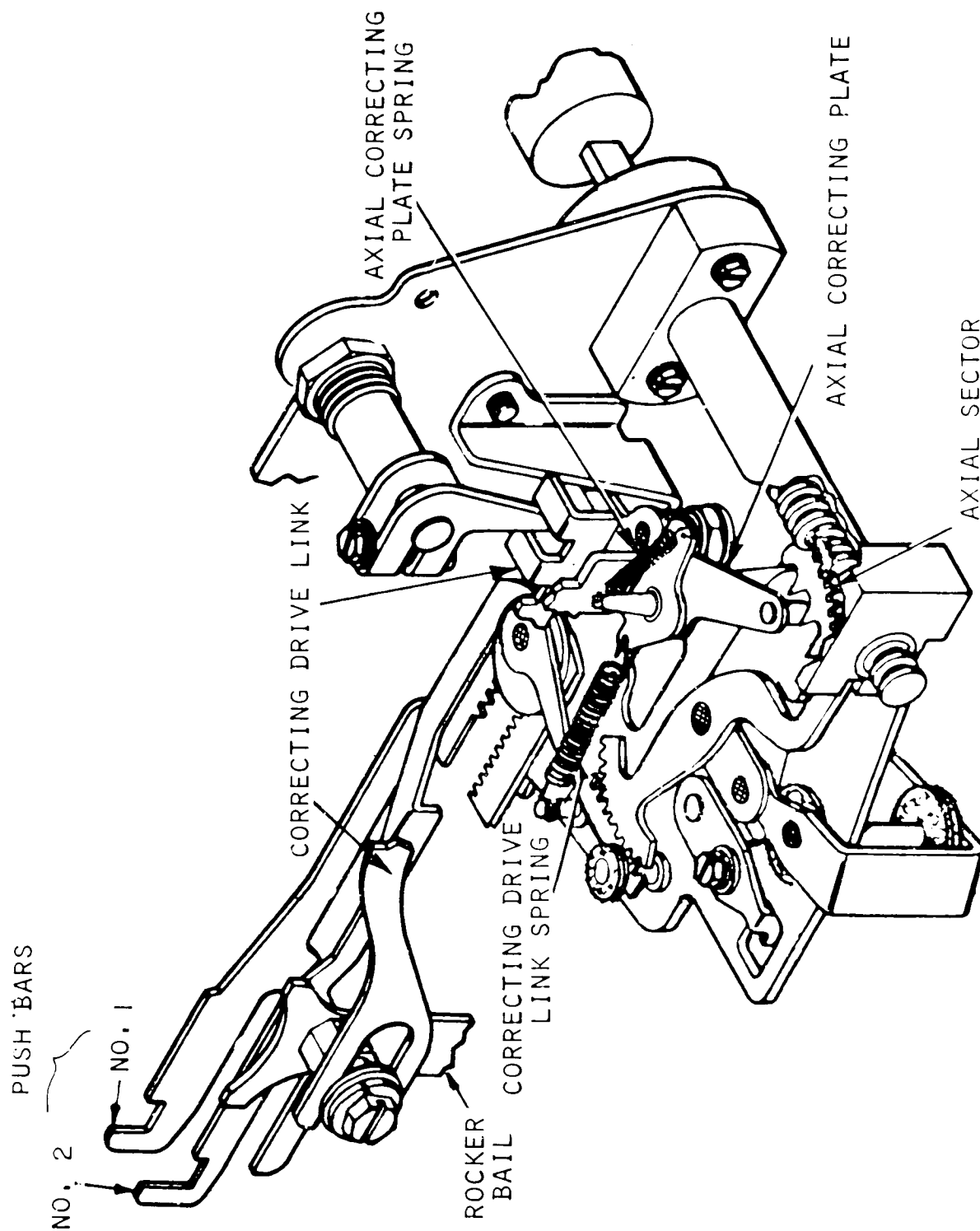


MOD 28 ASR-AN/UGC-6K- AXIAL POSITIONING #1

4-3-6D

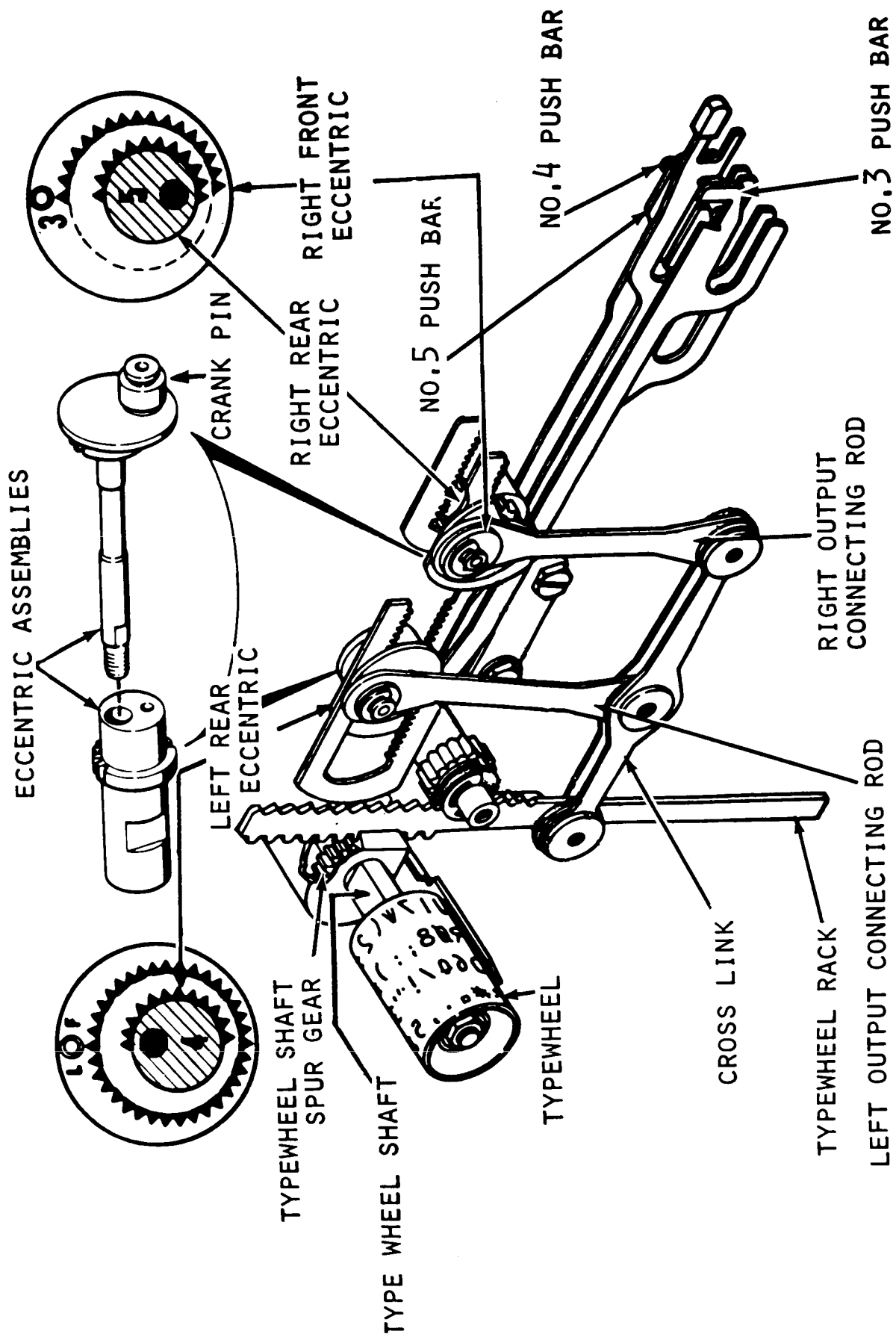


MOD 28 ASR-AN/UGC-6K- AXIAL POSITIONING #2

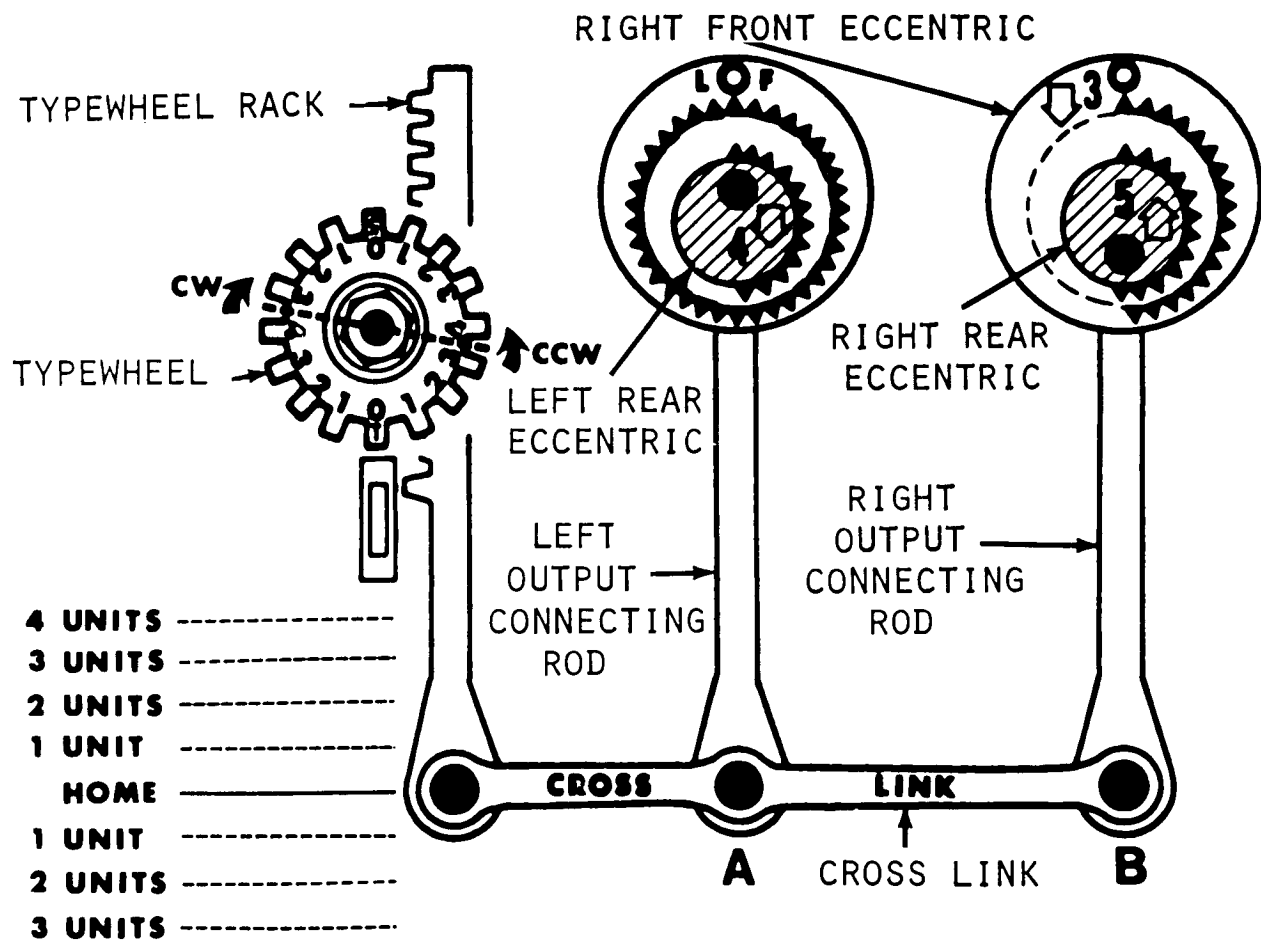


MOD 28 ASR-AN/UGC-6K- AXIAL CORRECTING (REAR VIEW)

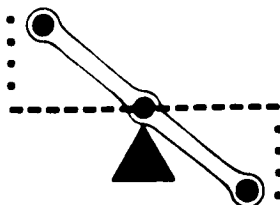
4-3-8D



MOD 28 ASR-AN/UGC-6K- ROTARY POSITIONING



(EXAMPLE 1)



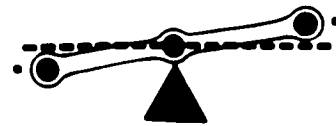
NO. 3 (MK) = 4 UNITS CCW

(EXAMPLE 2)



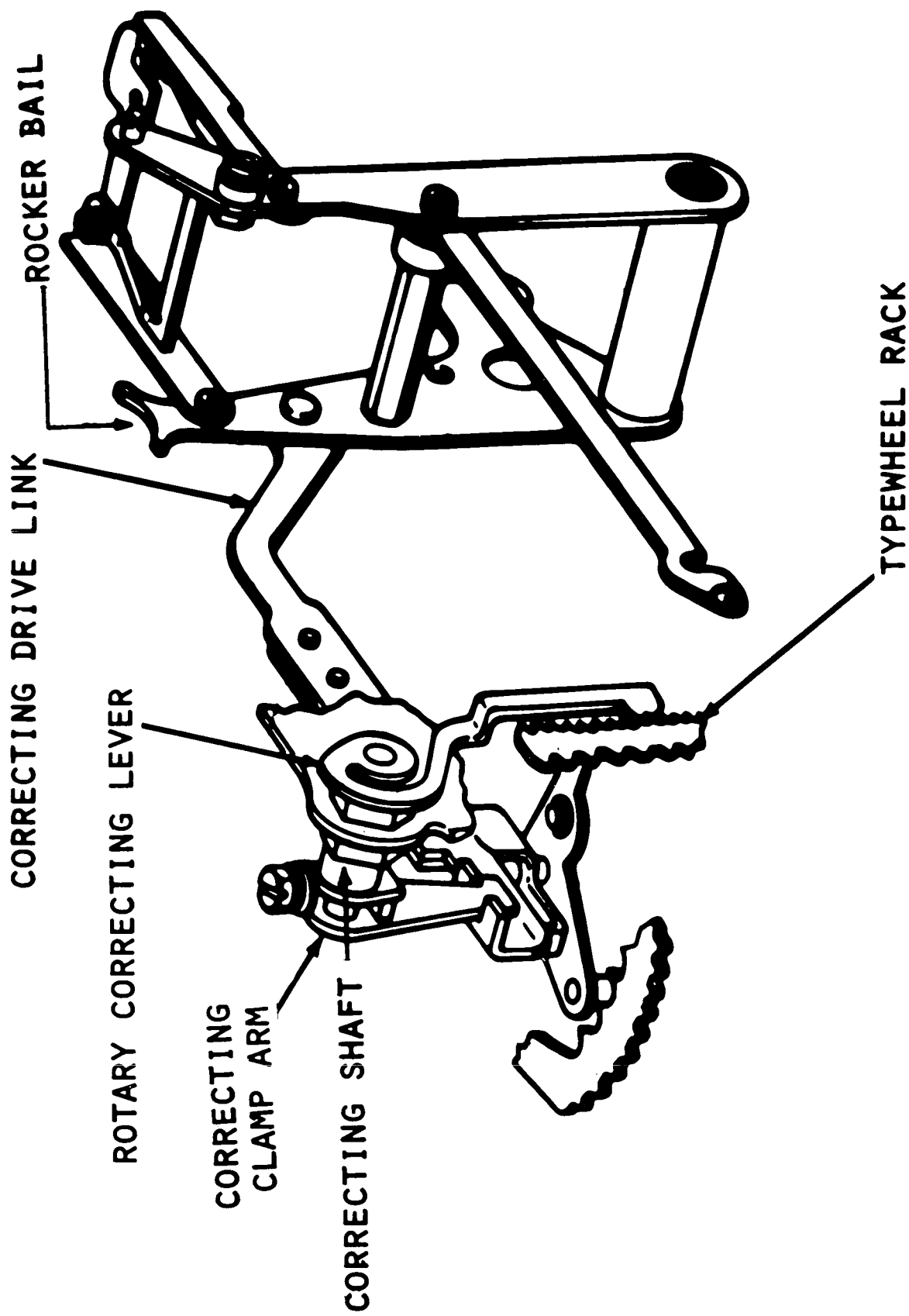
NO. 4 (MK) = 2 UNITS CW

(EXAMPLE 3)

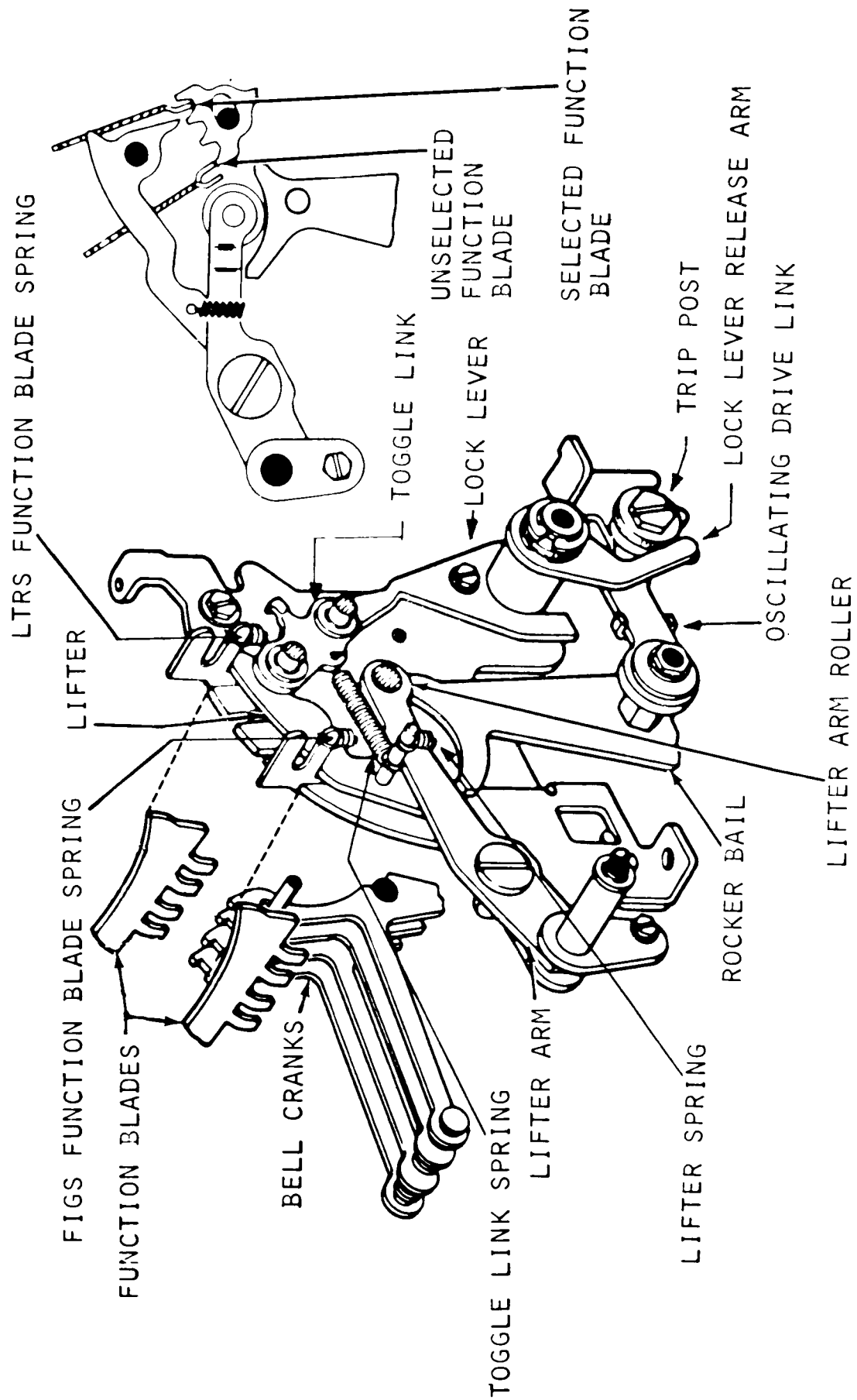


NO. 5 (SP) = 1 UNIT CW

MOD 28 ASR-AN/UGC-6K- CROSS LINK OPERATION

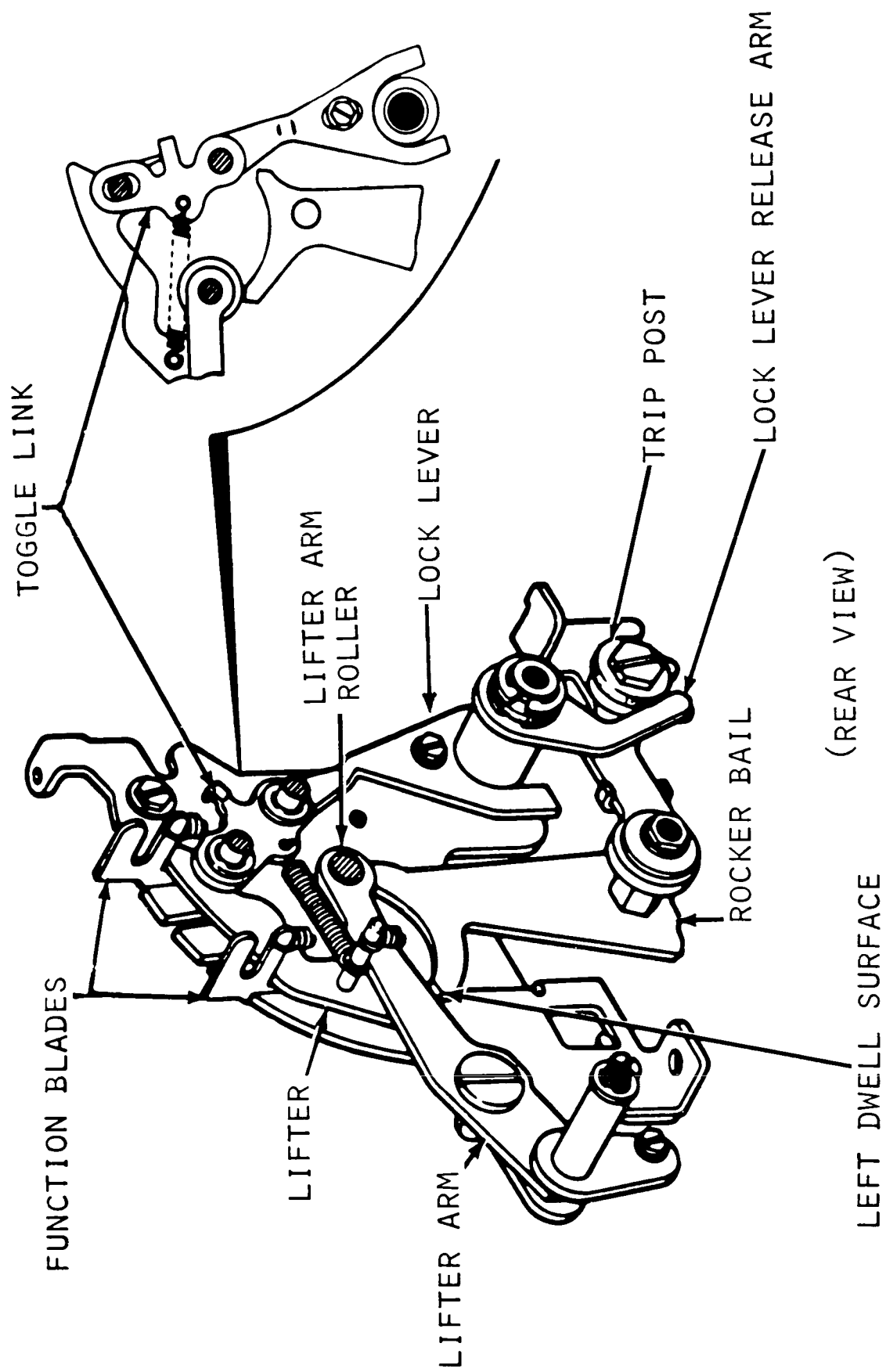


MOD 28 ASR-AN/UGC-6K ROTARY CORRECTING

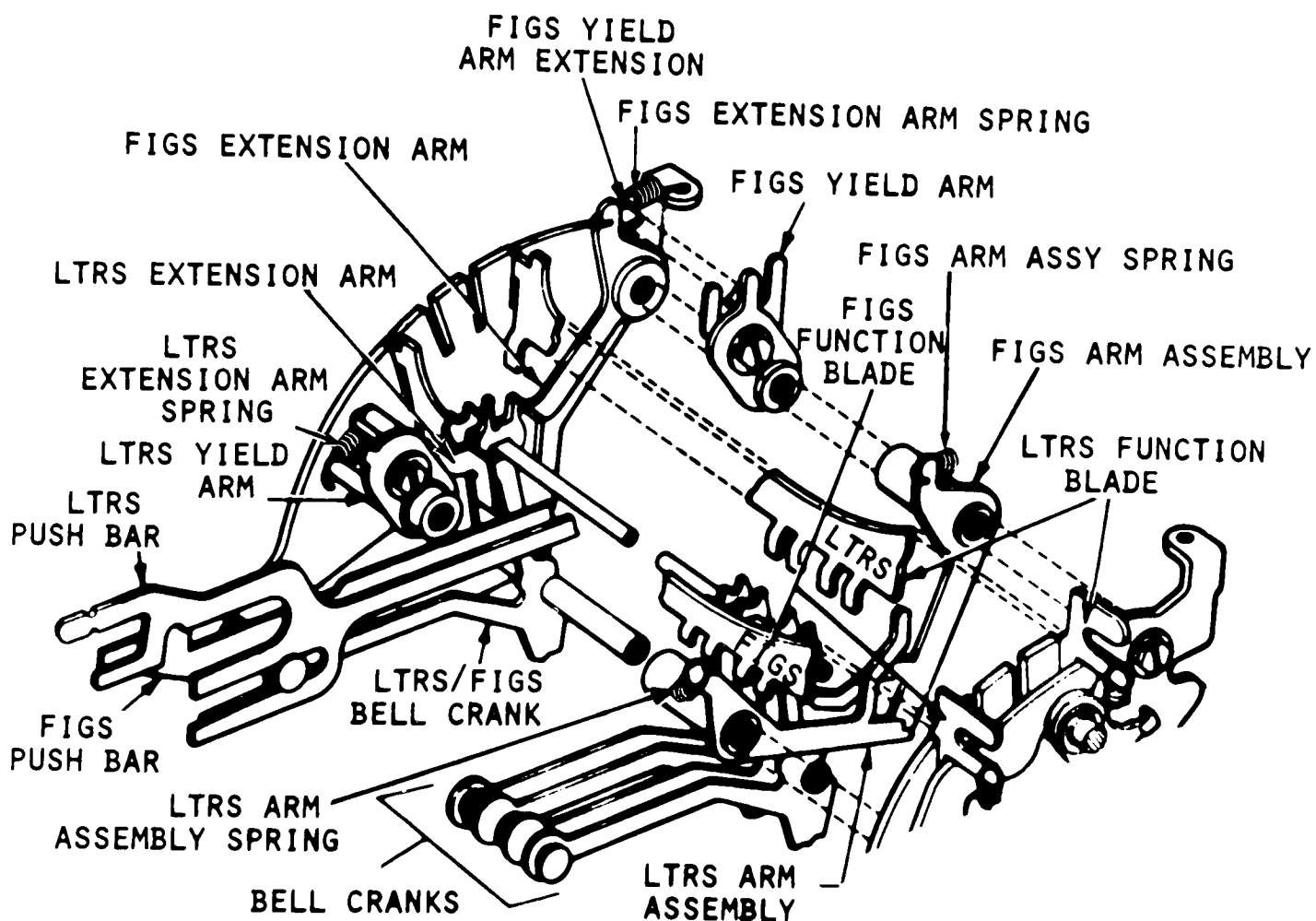


MOD 28 ASR-AN/UGC-6K FUNCTION BLADE SENSING (REAR VIEW)

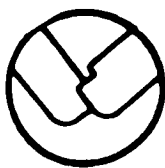
4-3-12D



MOD 28 ASR-AN/UGC-6K- TOGGLE LINK OPERATION (REAR VIEW)



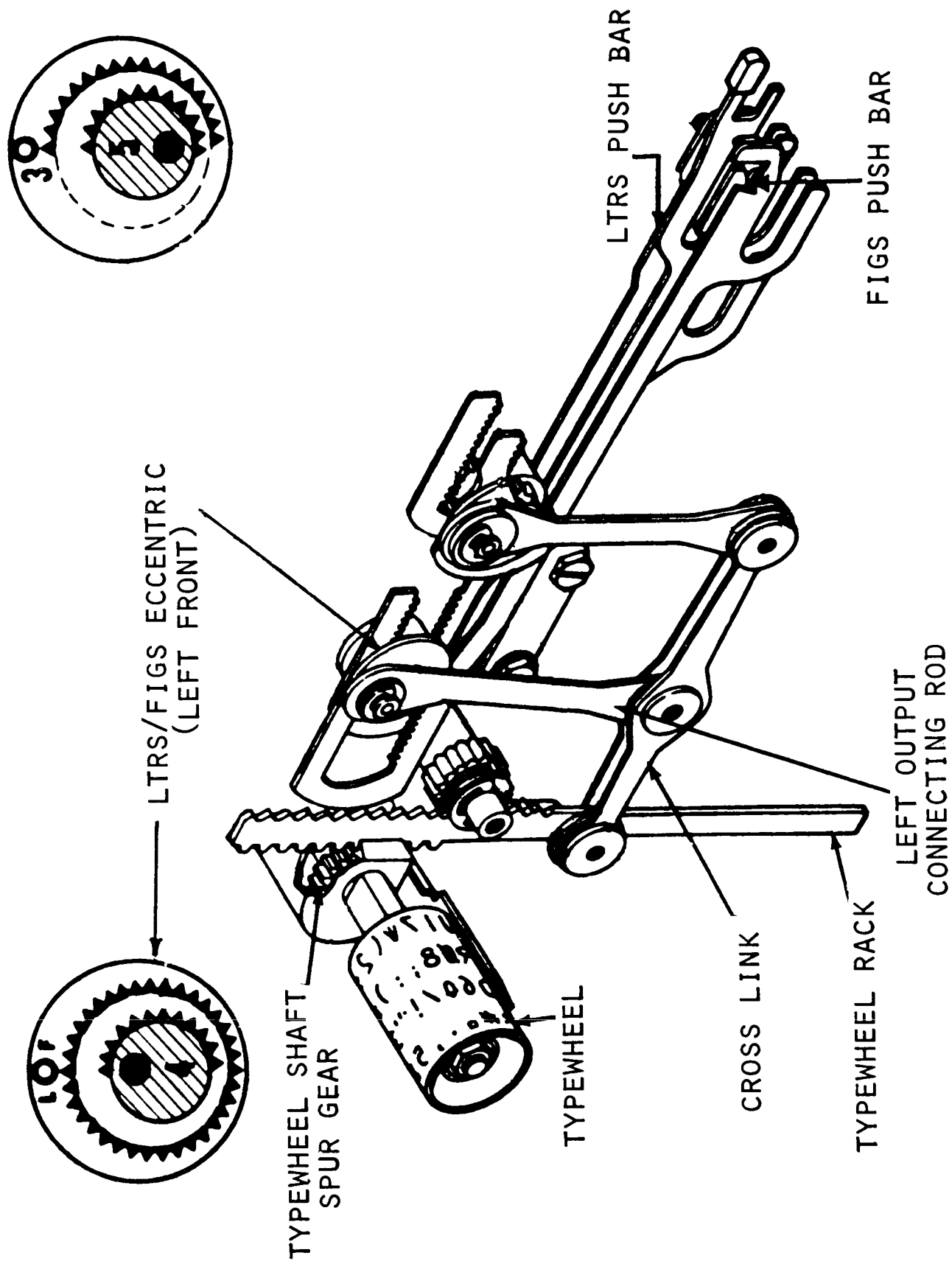
LETTERS POSITION



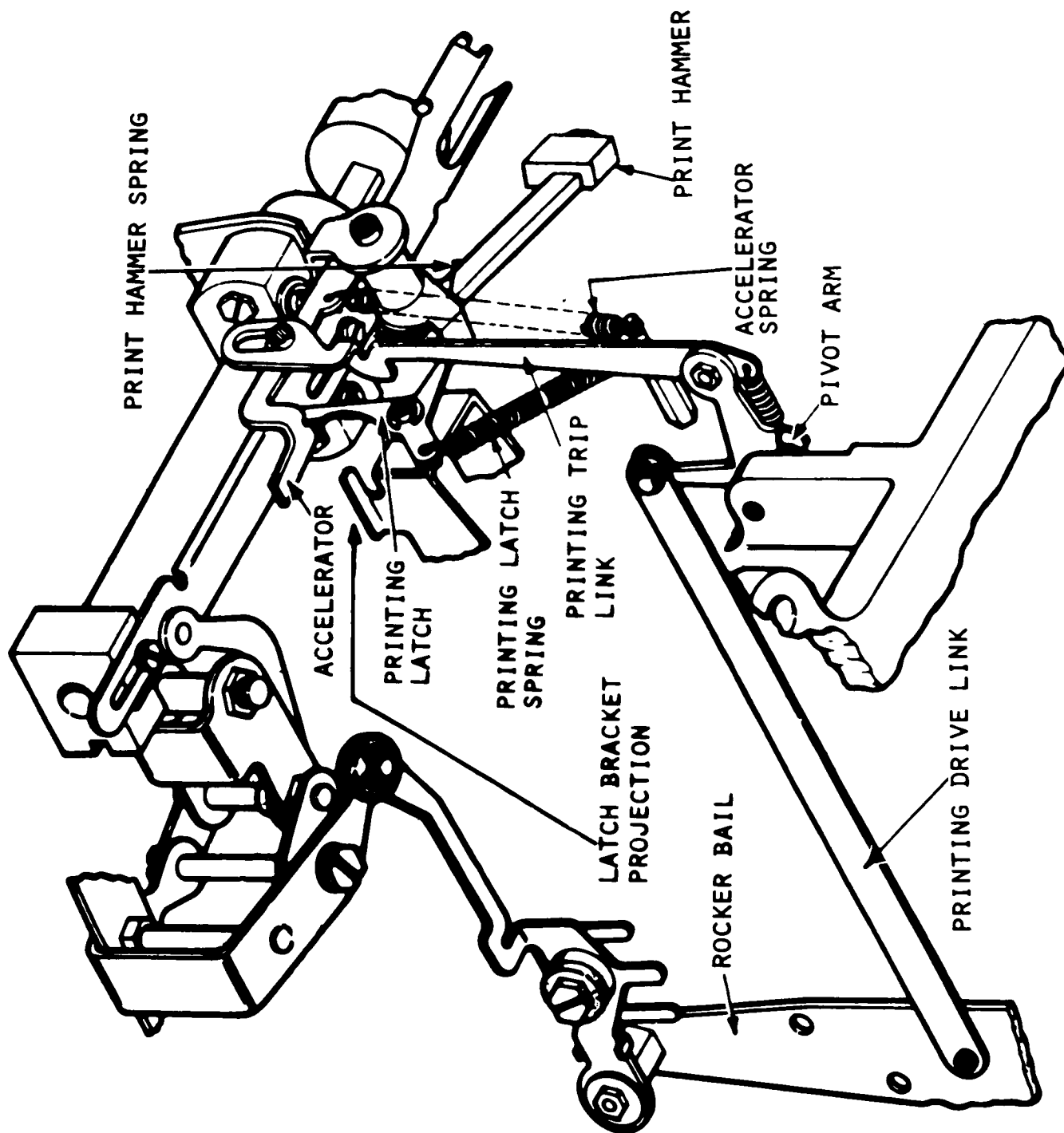
FIGURES POSITION



MOD 28 ASR-AN/UGC-6K- LTRS/FIGS SHIFT #1 (REAR VIEW)

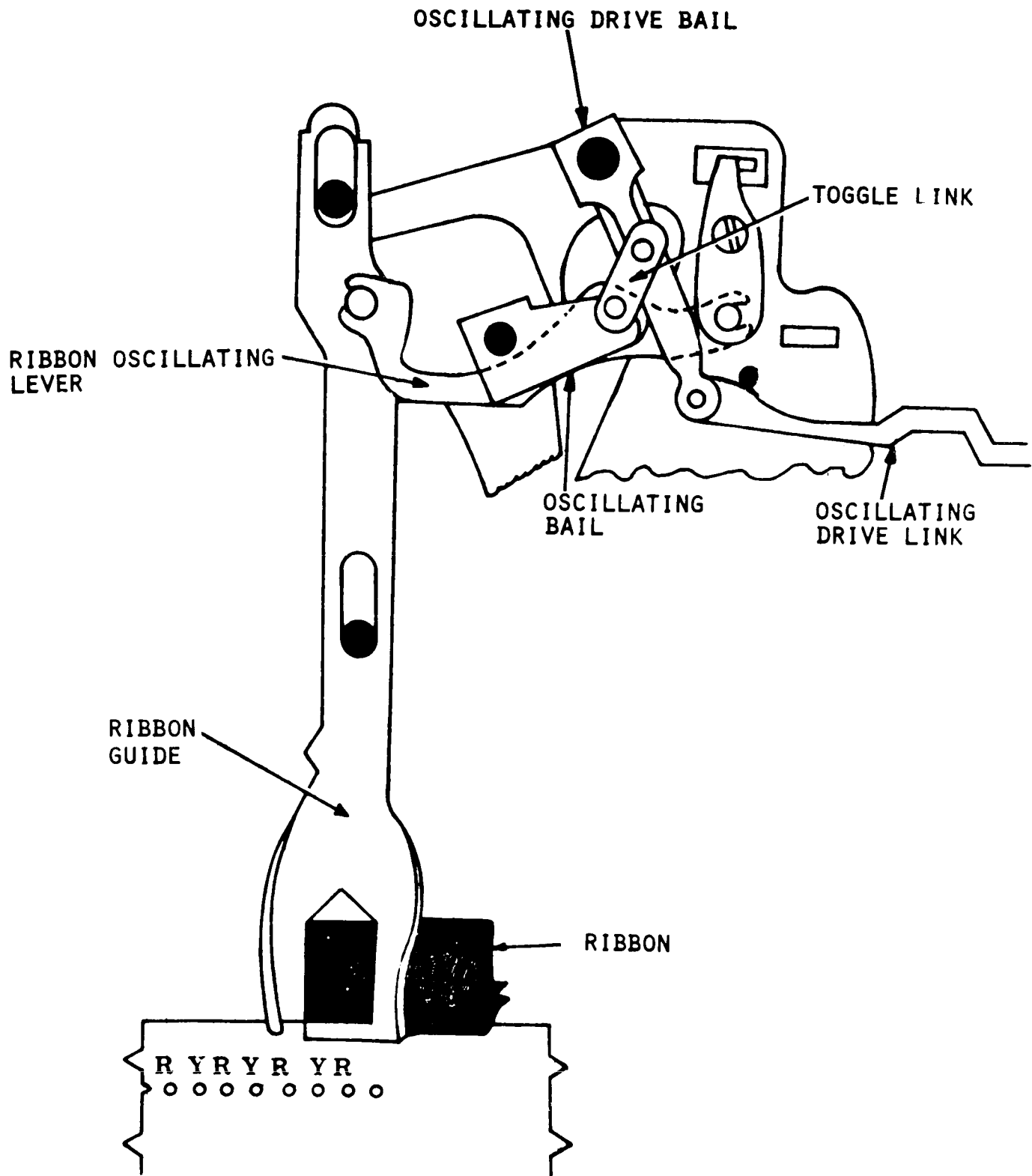


MOD 28 ASR-AN/UGC-6K- LTRS/FIGS SHIFT #2



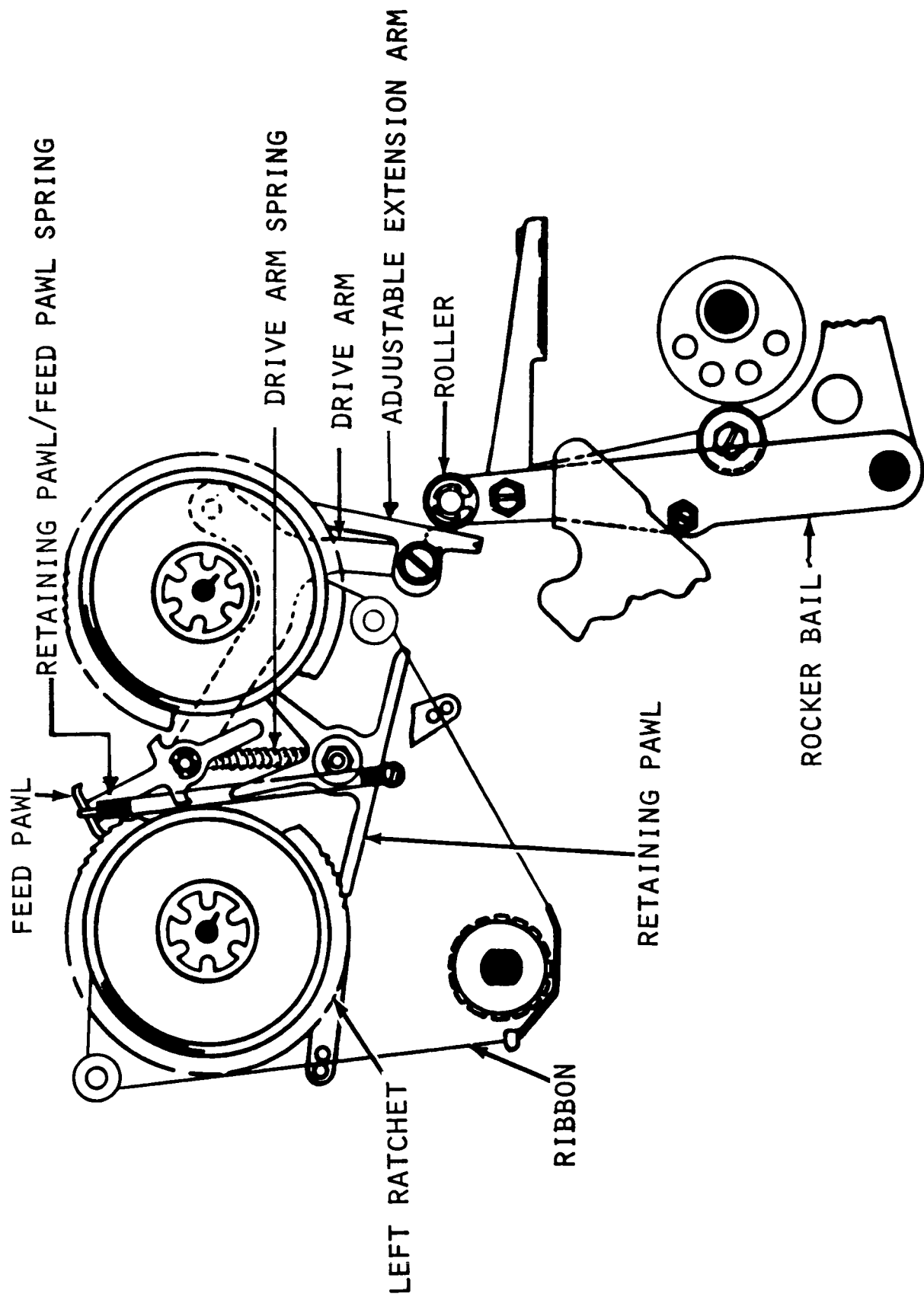
MOD 28 ASR-AN/UGC-6K PRINTING MECHANISM (LEFT REAR VIEW)

4-4-12



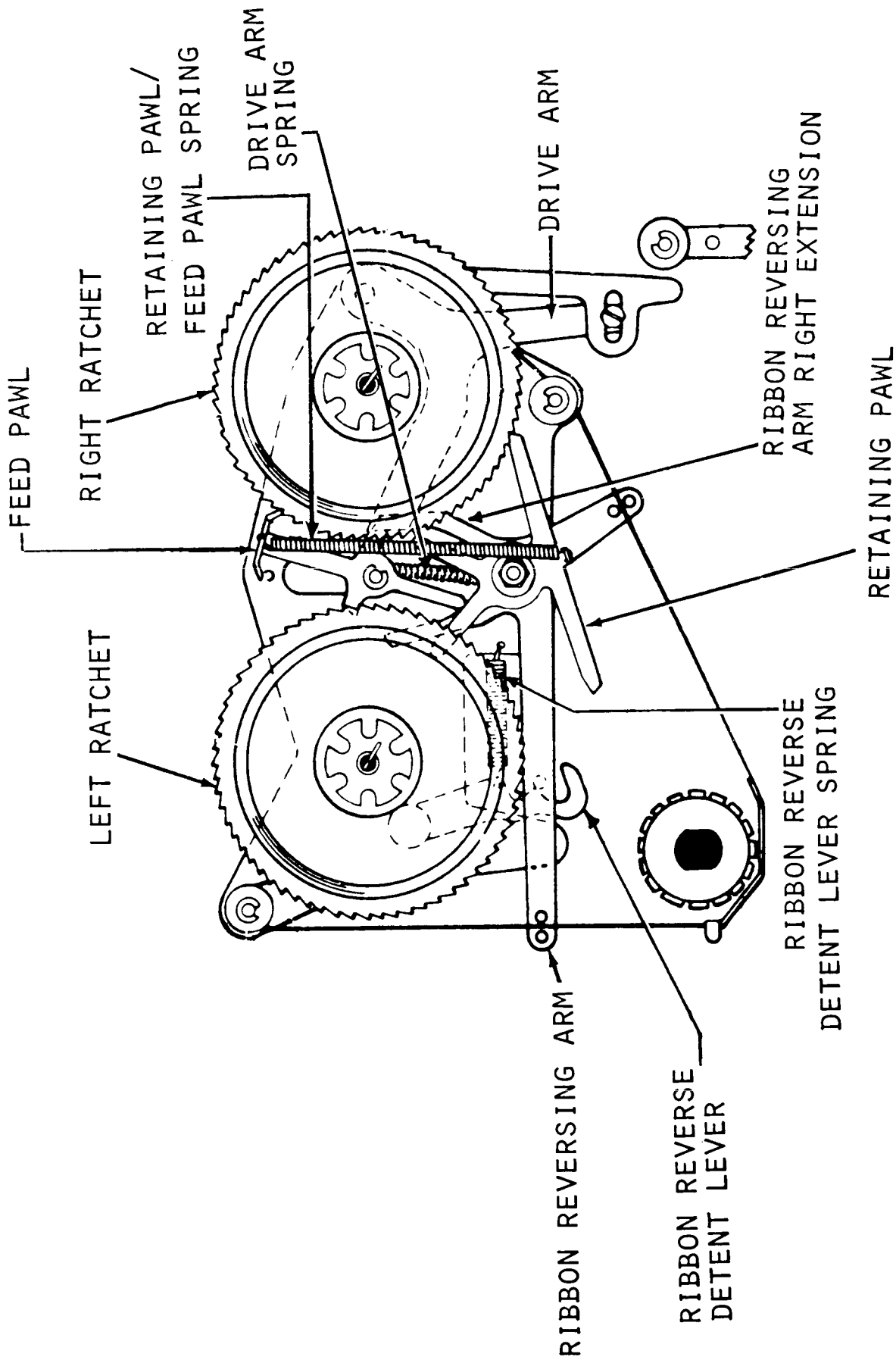
MOD 28 ASR-AN/UGC-6K' RIBBON OSCILLATION (TOP VIEW)

4-4-2D

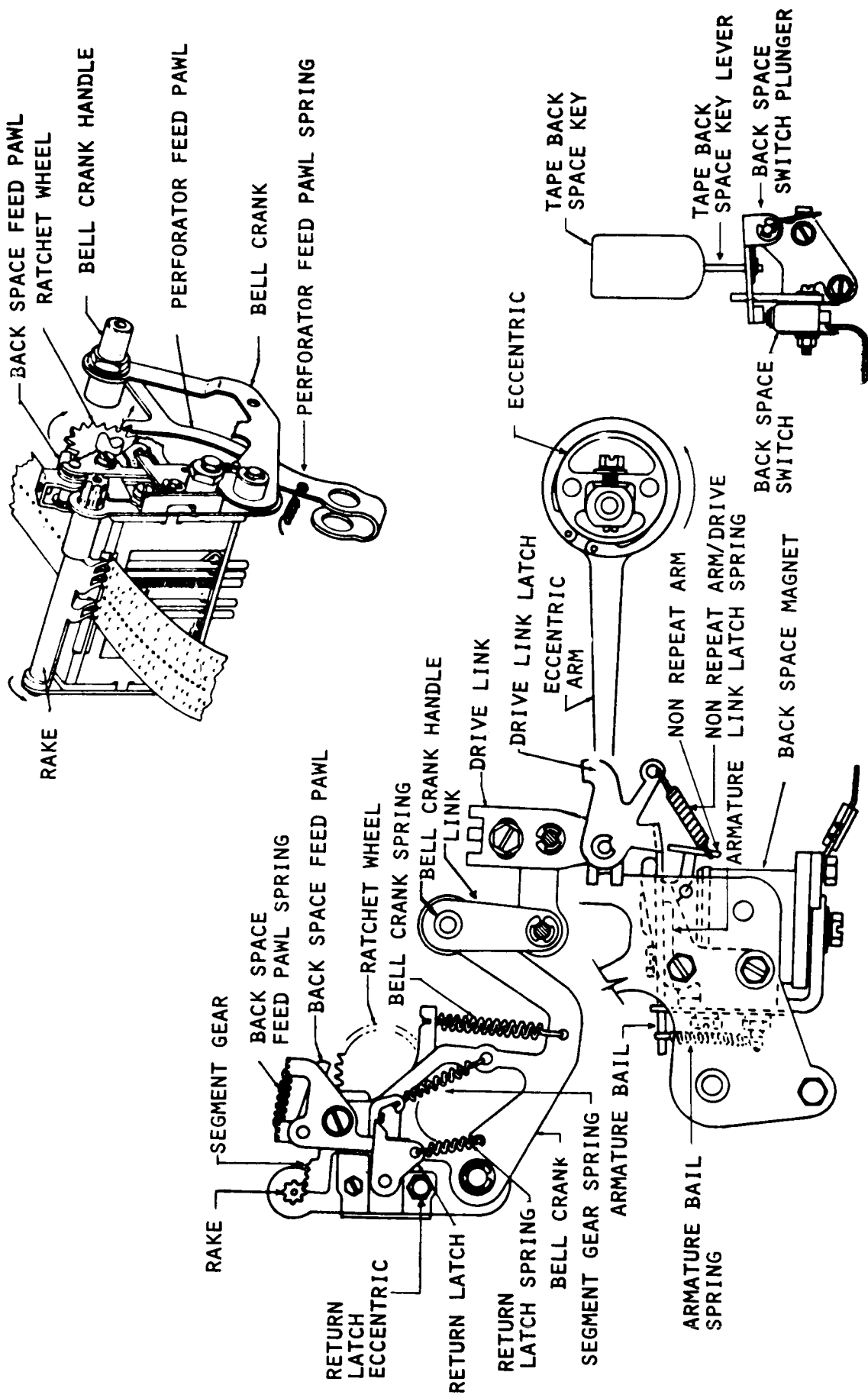


MOD 28 ASR-AN/UGC-6K- RIBBON FEED

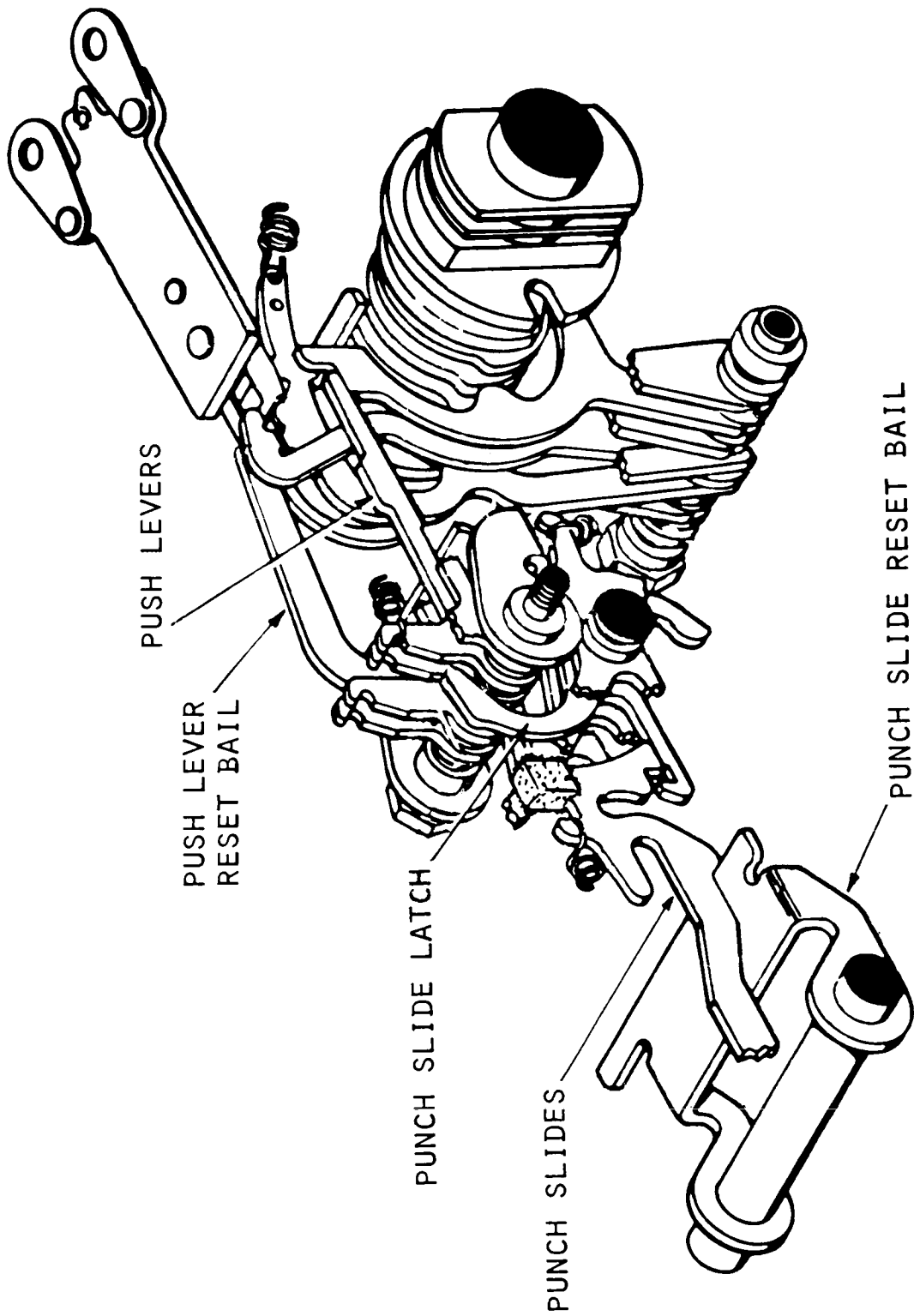
4-4-3D



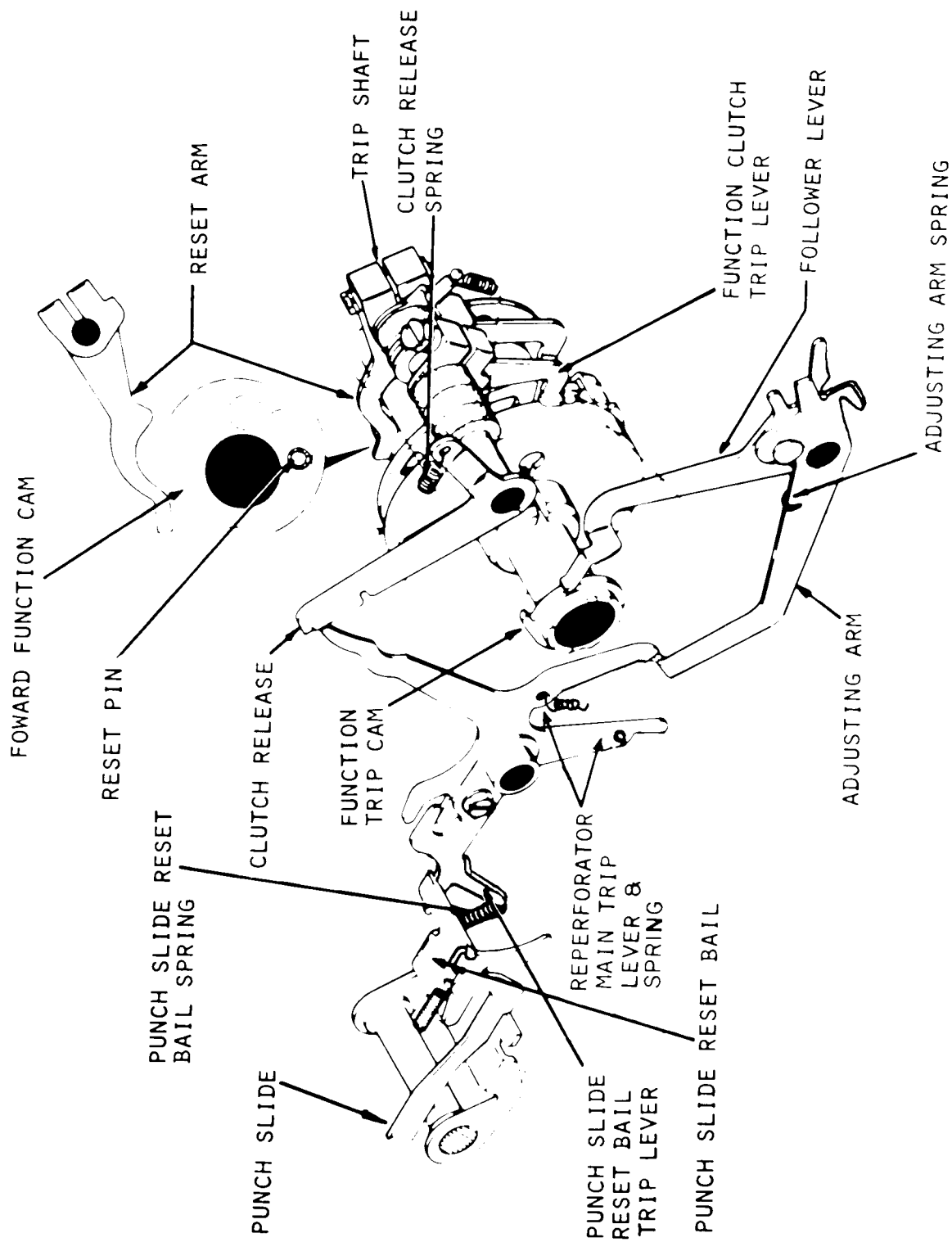
MOD 28 ASR-AN/UGC-6K- RIBBON REVERSE



MOD 28 ASR-AN/UGC-6K POWER DRIVE BACK SPACE

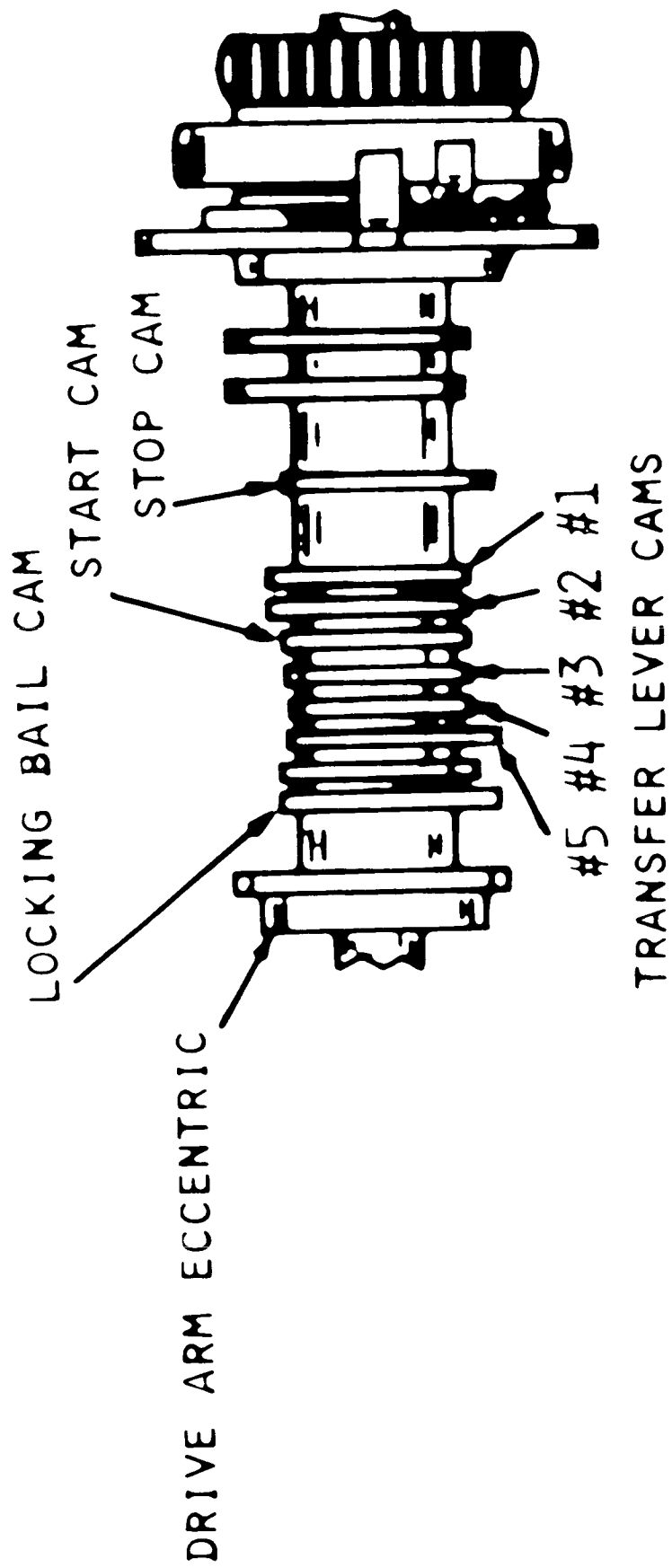


MOD 28 ASR-AN/UGC-6K REPERFORATOR SELECTOR MECHANISM

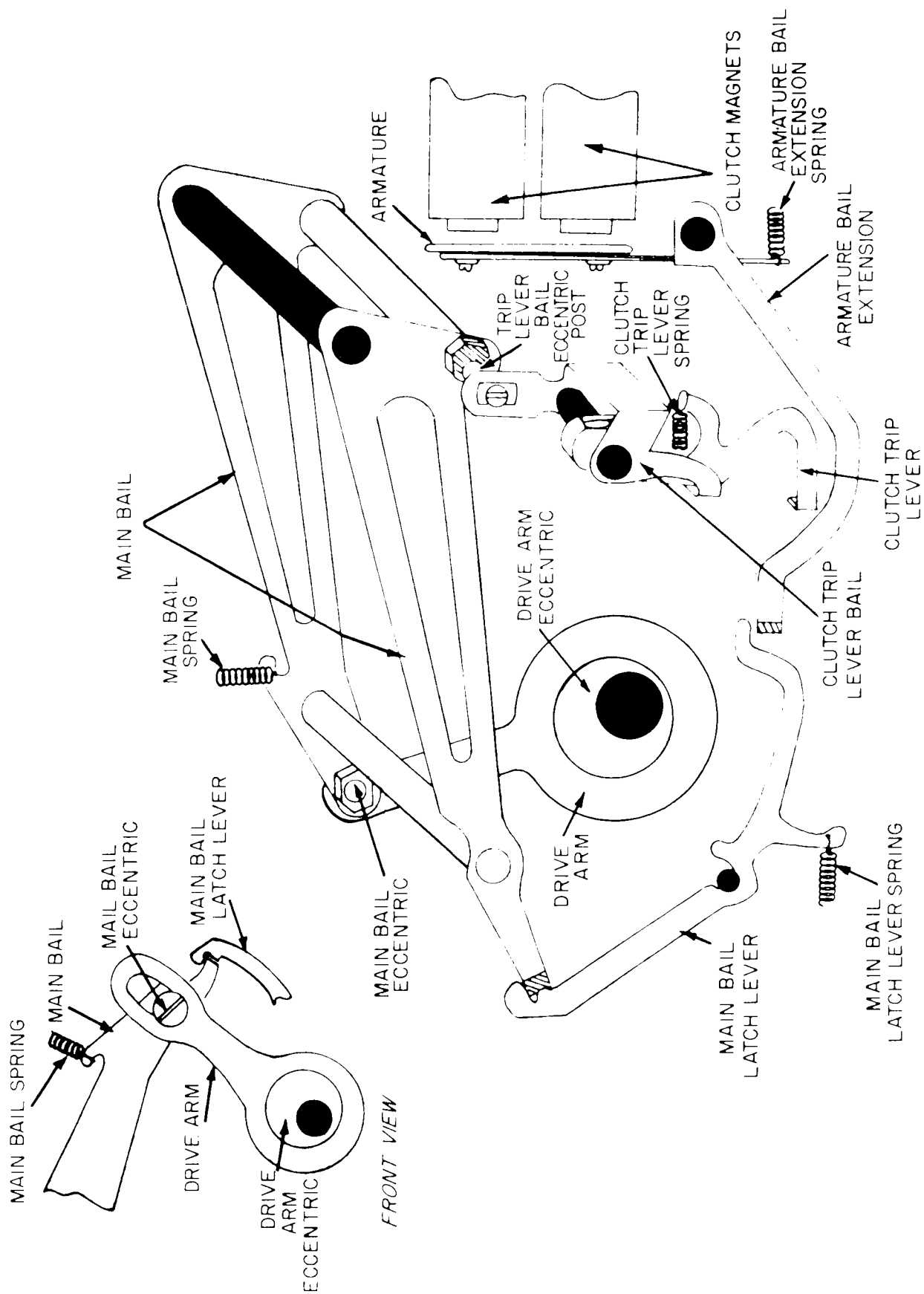


MOD 28 ASR-AN/UGC-6K REPERFORATOR FUNCTION CLUTCH TRIP

4-5-2D

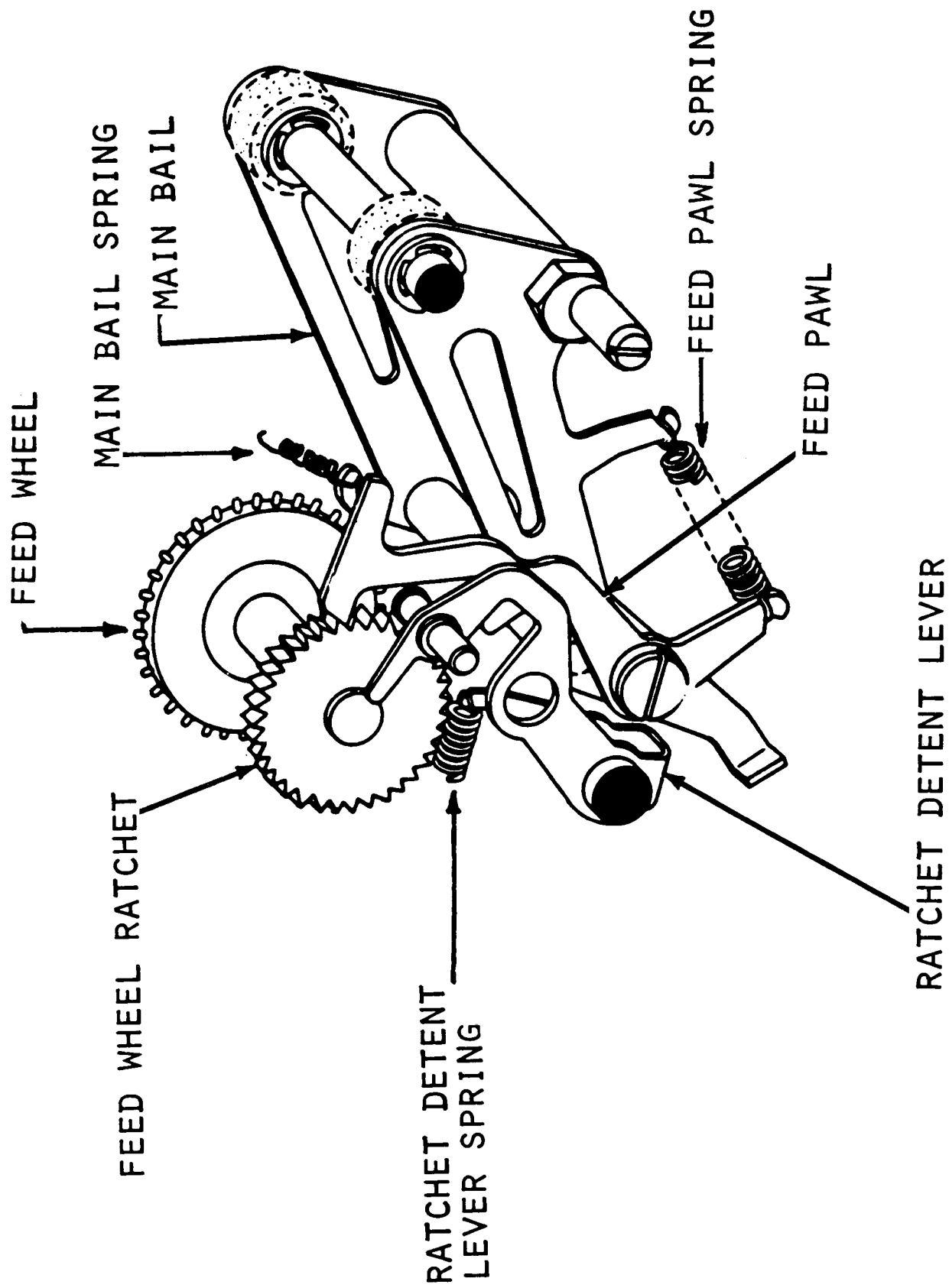


MOD 28 ASR-AN/UGC-6K TD CAM SHAFT ASSEMBLY (RIGHT VIEW)

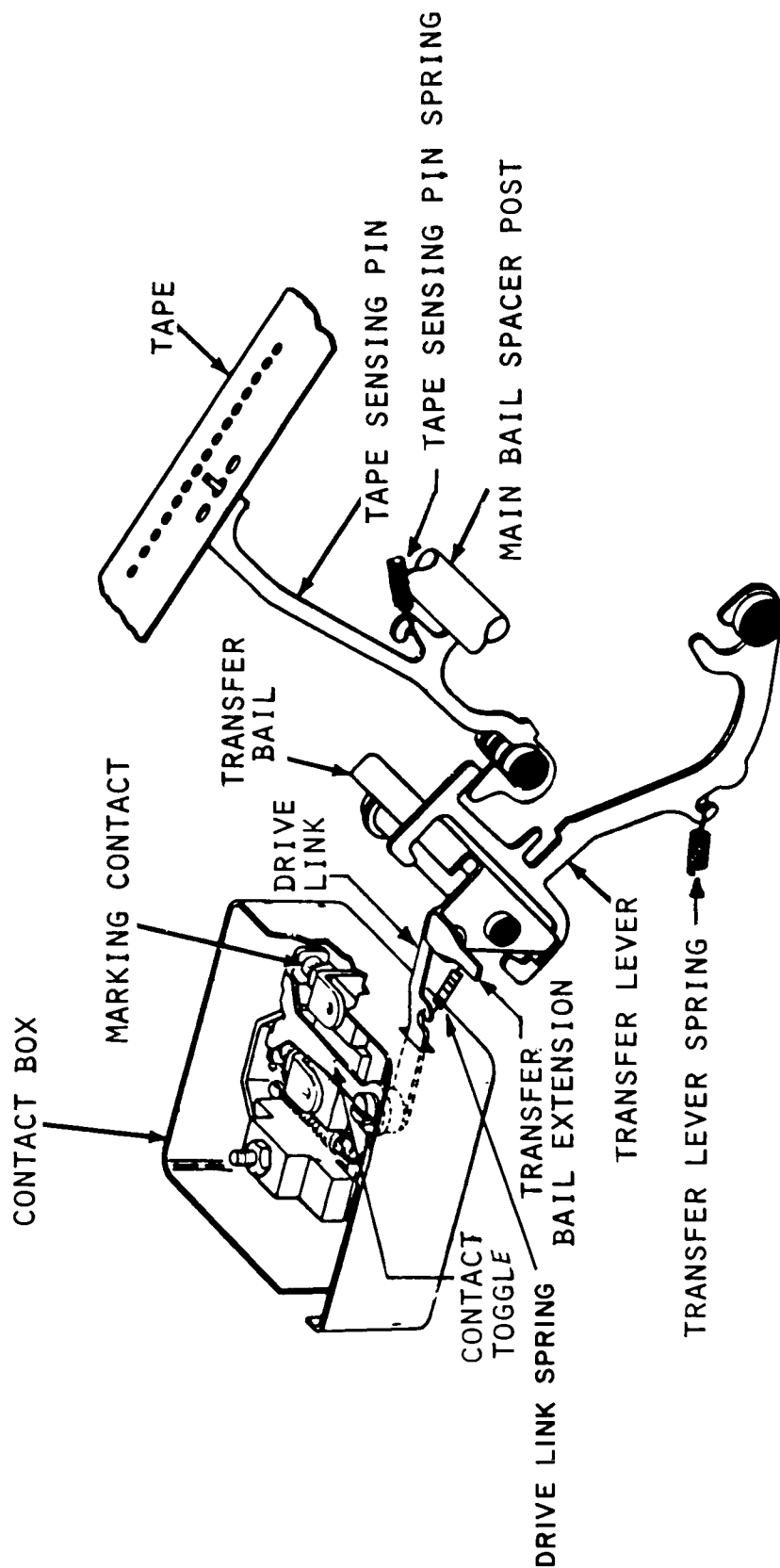
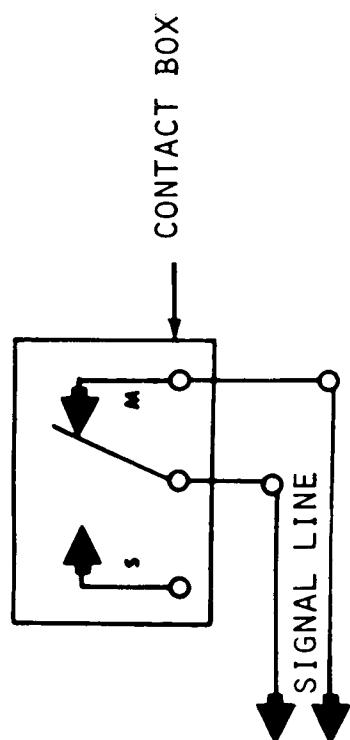


MOD 28 ASR-AN/UGC-6K TD CLUTCH TRIP (REAR VIEW)

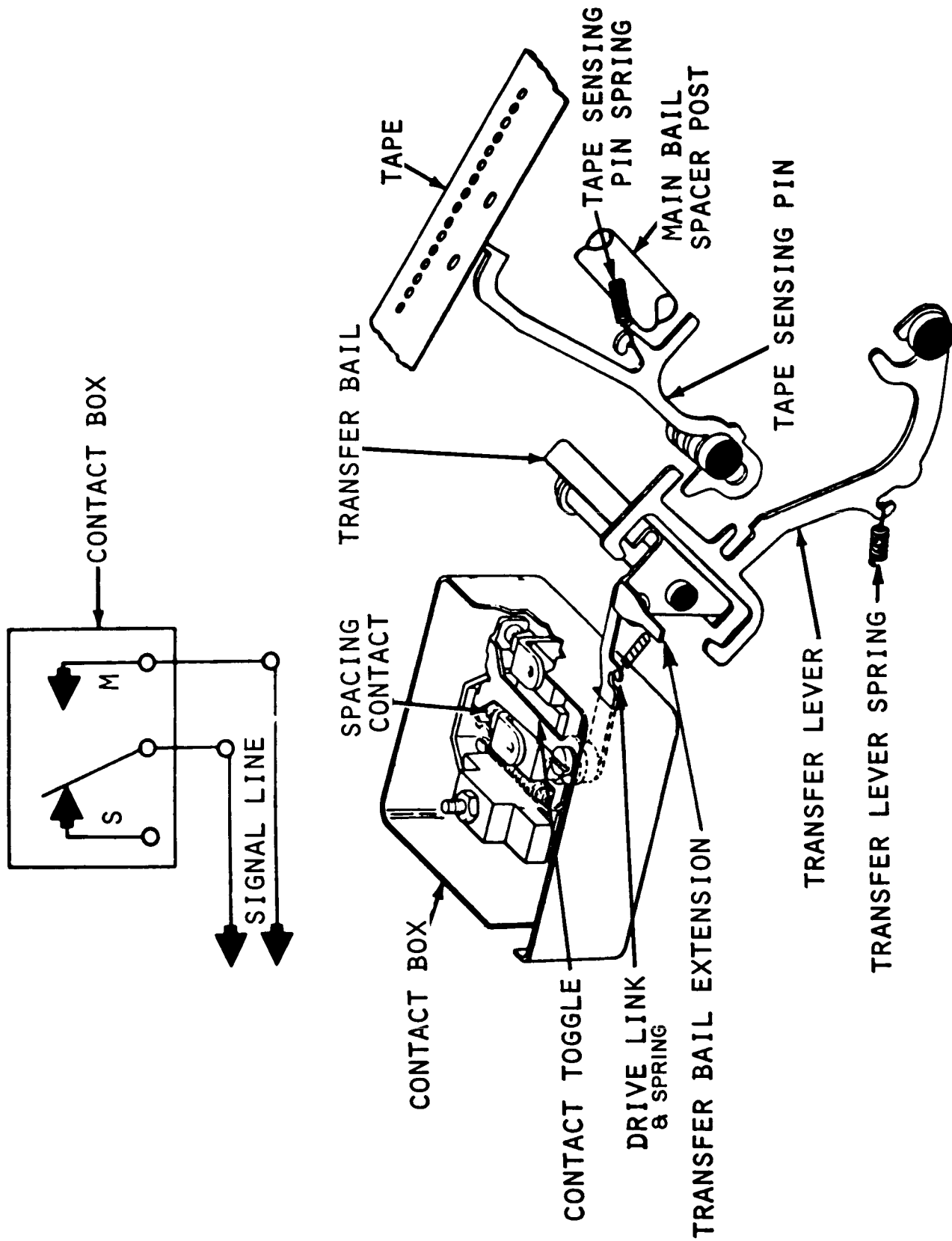
5-1-2D



MOD 28 ASR-AN/UGC-6K- TD TAPE FEED (REAR VIEW)



MOD 28 ASR-AN/UGC-6K- TAPE SENSING (MARK)



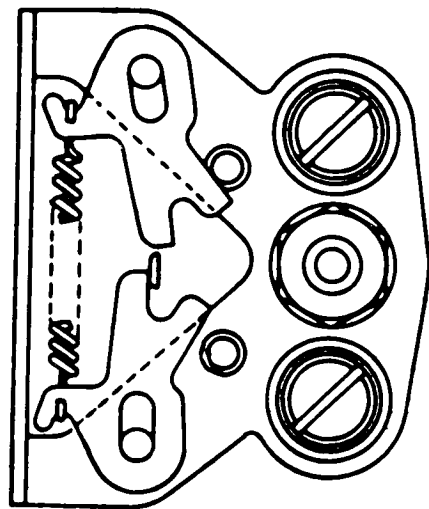
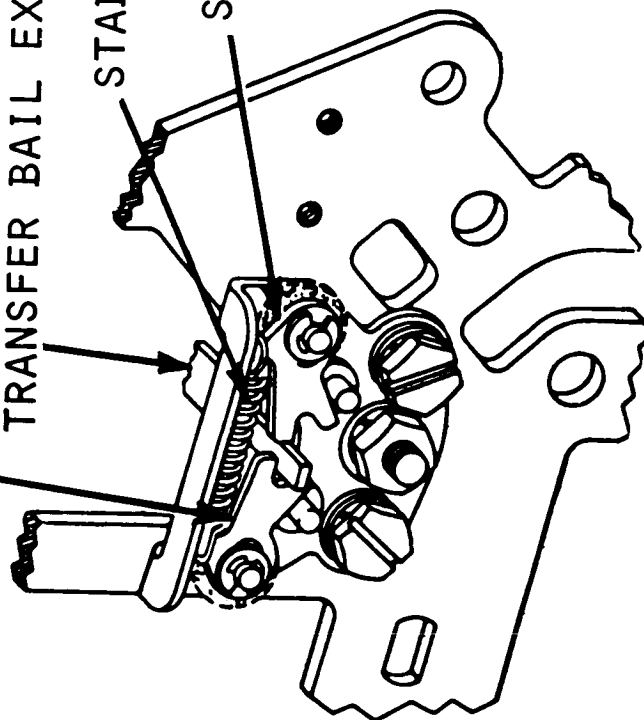
MOD 28 ASR-AN/UGC-6K- TAPE SENSING (SPACE)

MARKING LATCH

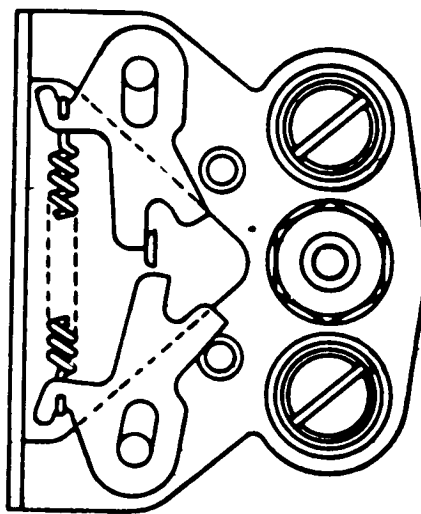
TRANSFER BAIL EXTENSION

STABILIZER SPRING

SPACING LATCH



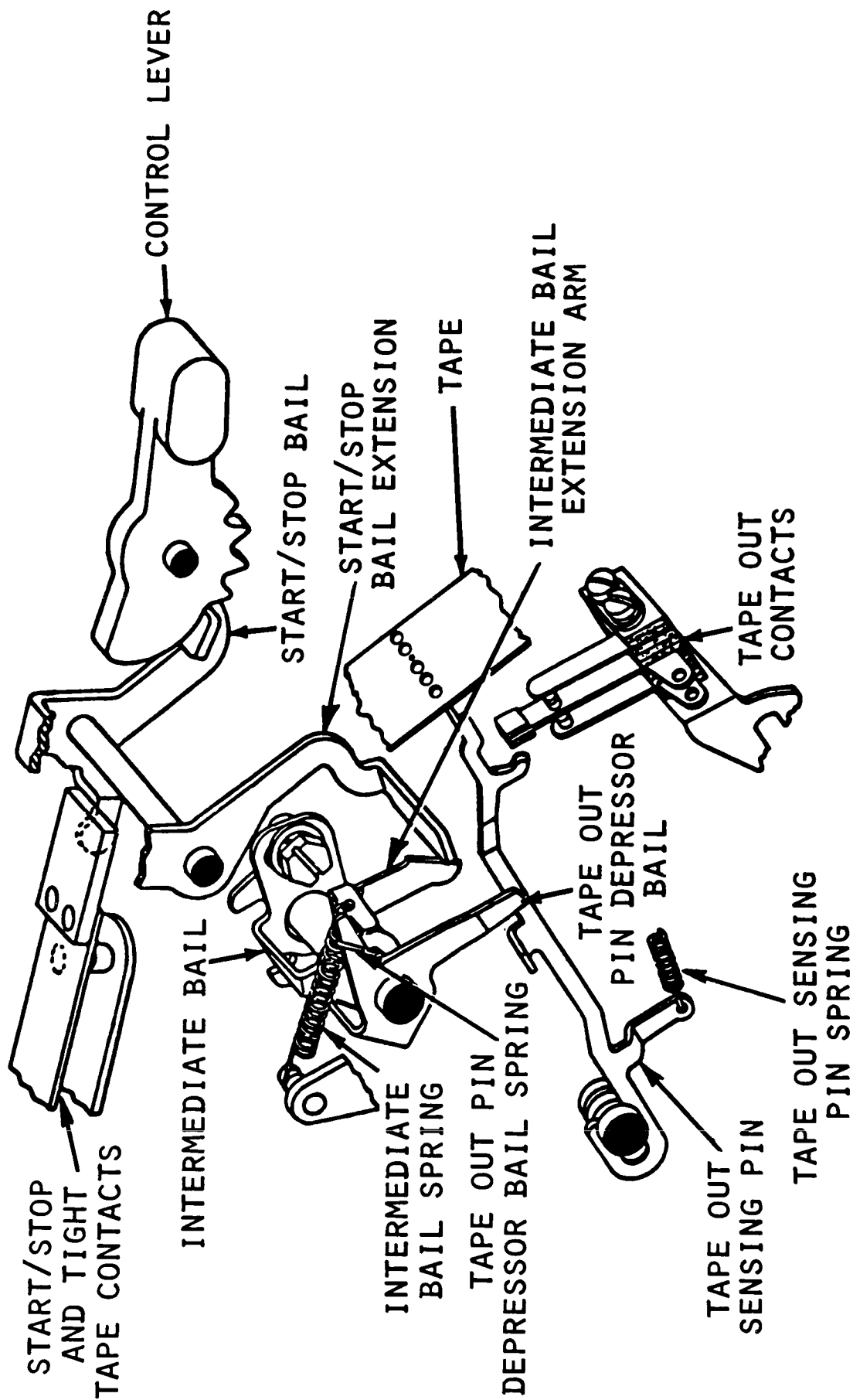
MARKING CONDITION



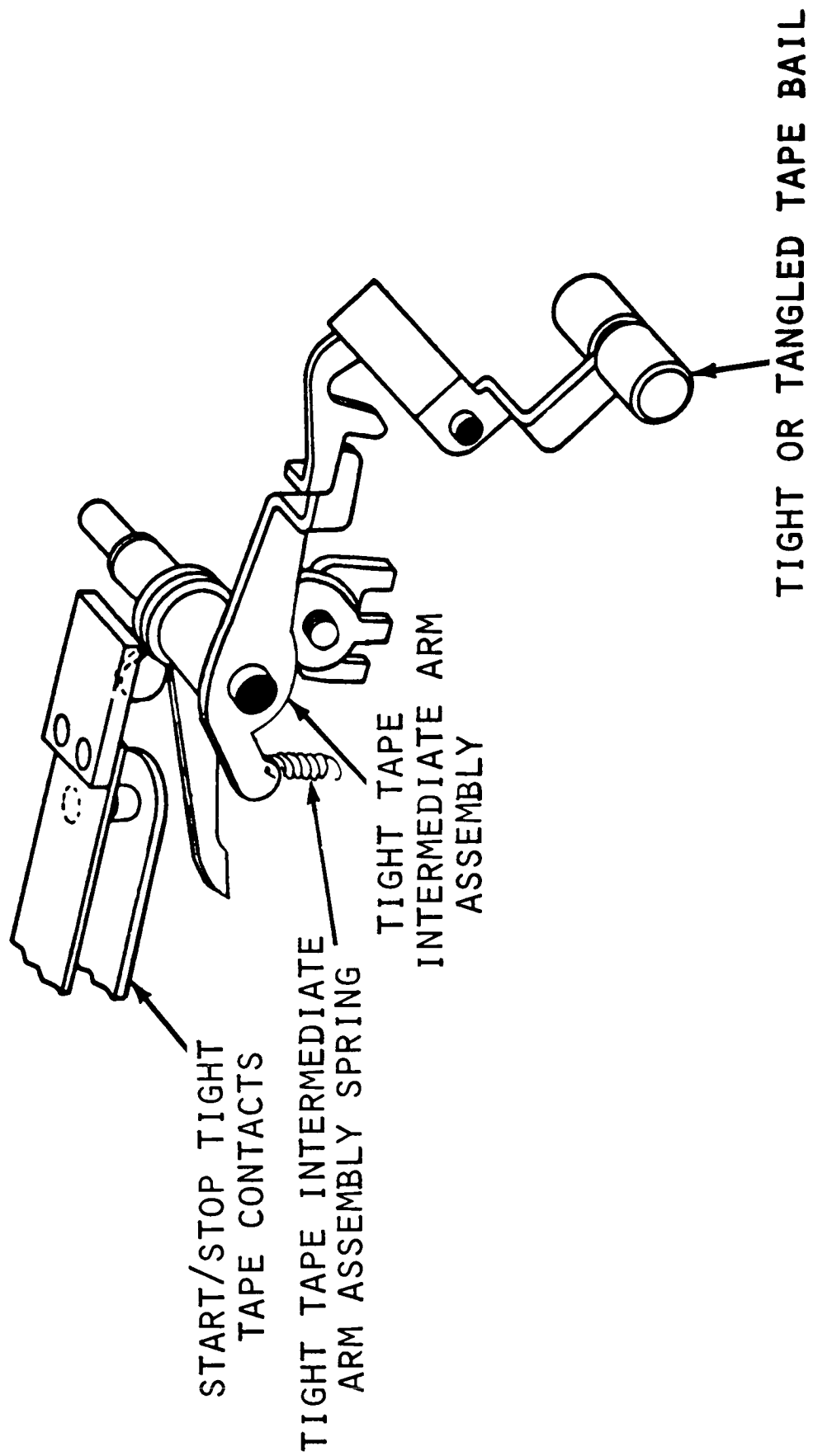
SPACING CONDITION

MOD 28 ASR-AN/UGC-6K- TRANSFER BAIL STABILIZER

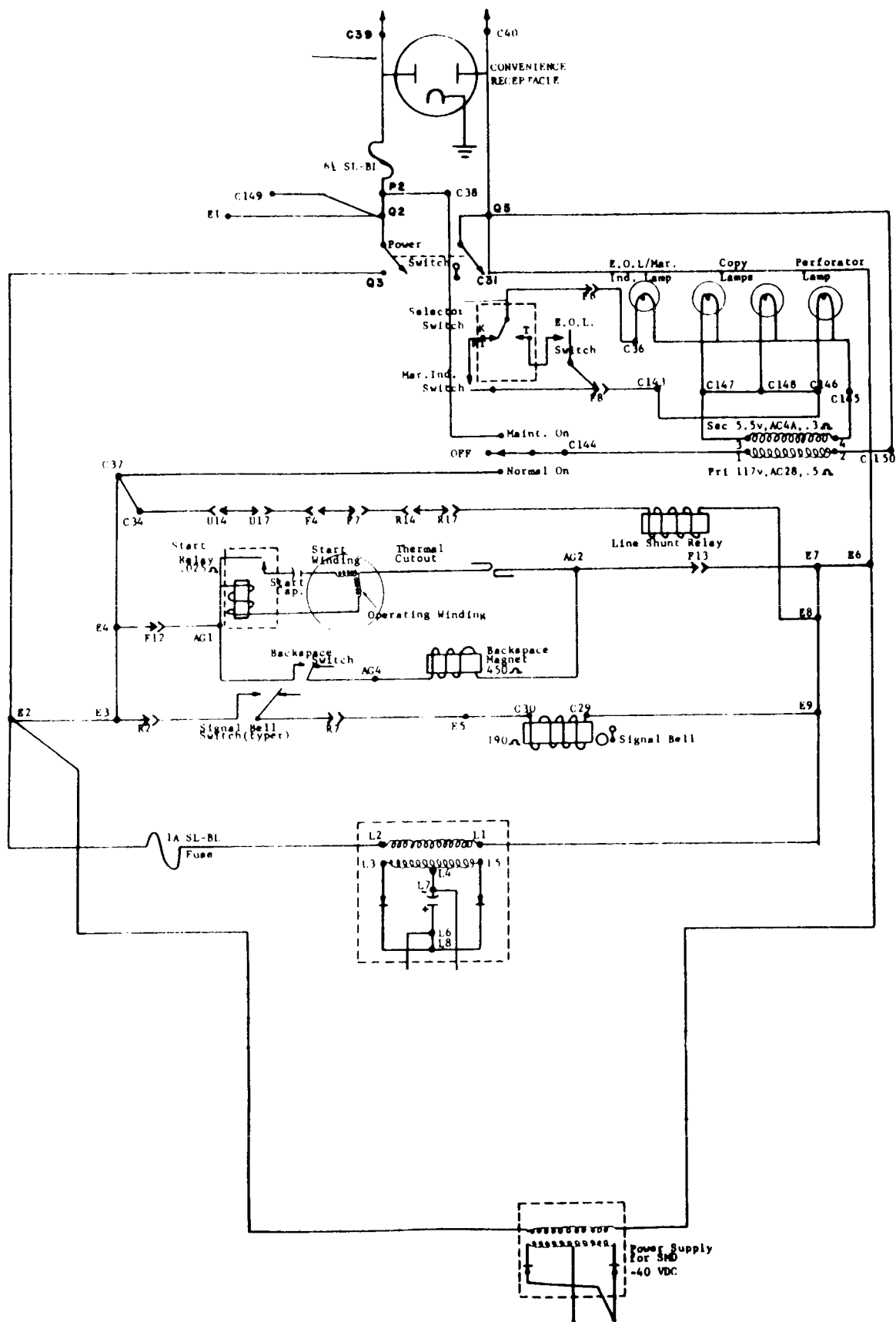
5-1-6D



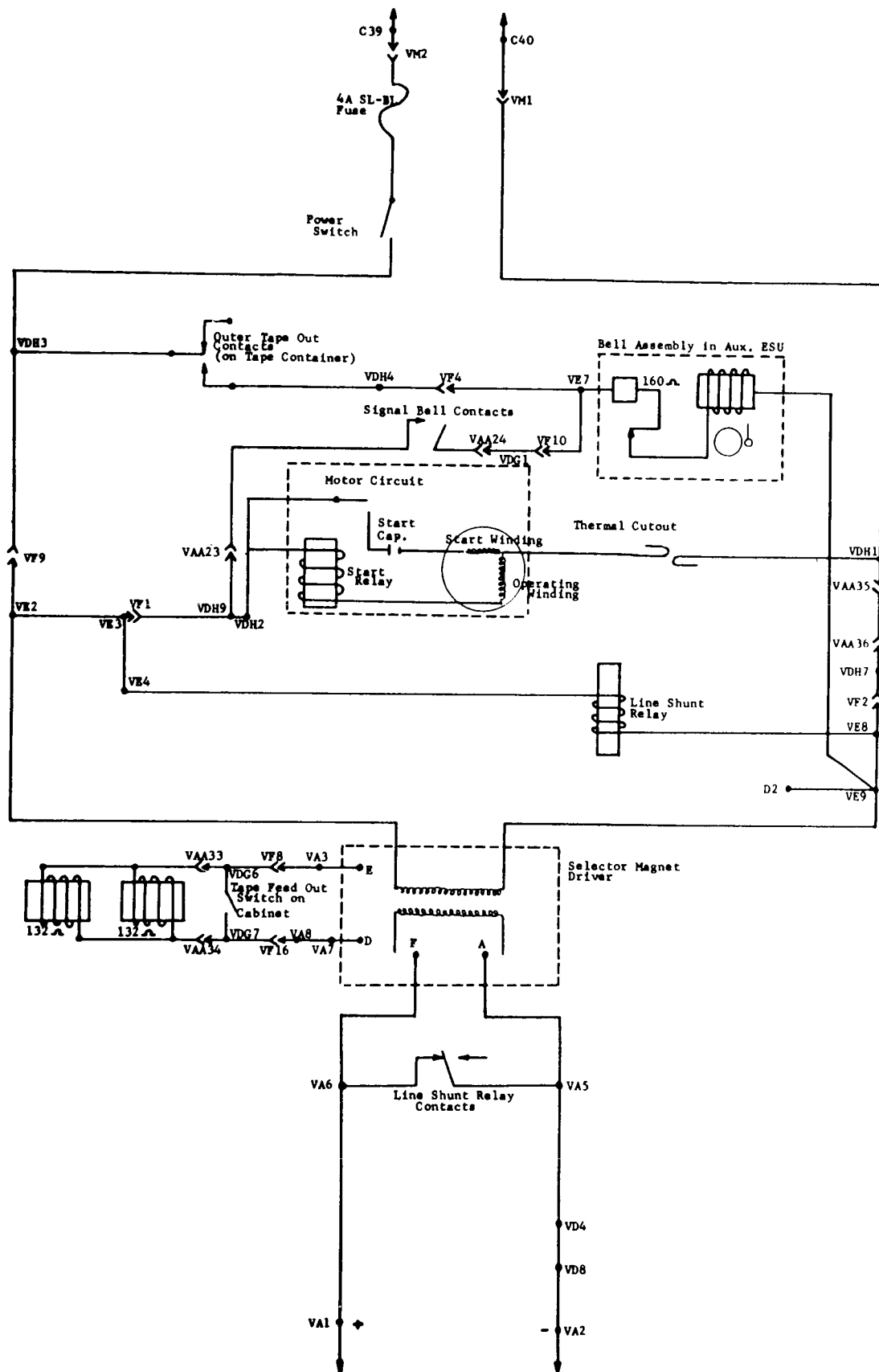
MOD 28 ASR-AN/UGC-6K- START/STOP MECHANISM & TAPE OUT SENSING



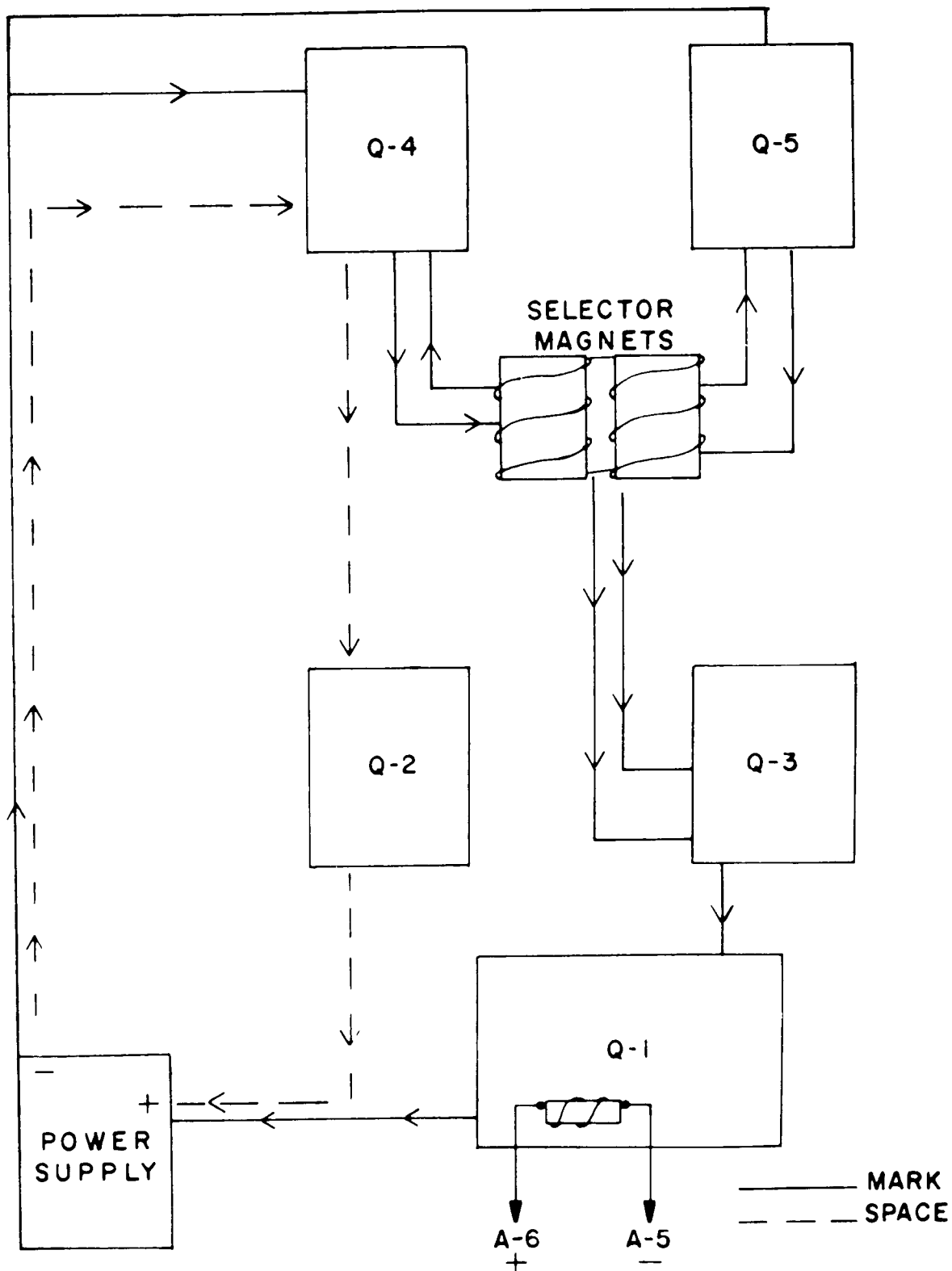
MOD 28 ASR-AN/UGC-6K- TIGHT OR TANGLED TAPE



MOD 28 ASR-AN/UGC-6K AC CIRCUITS

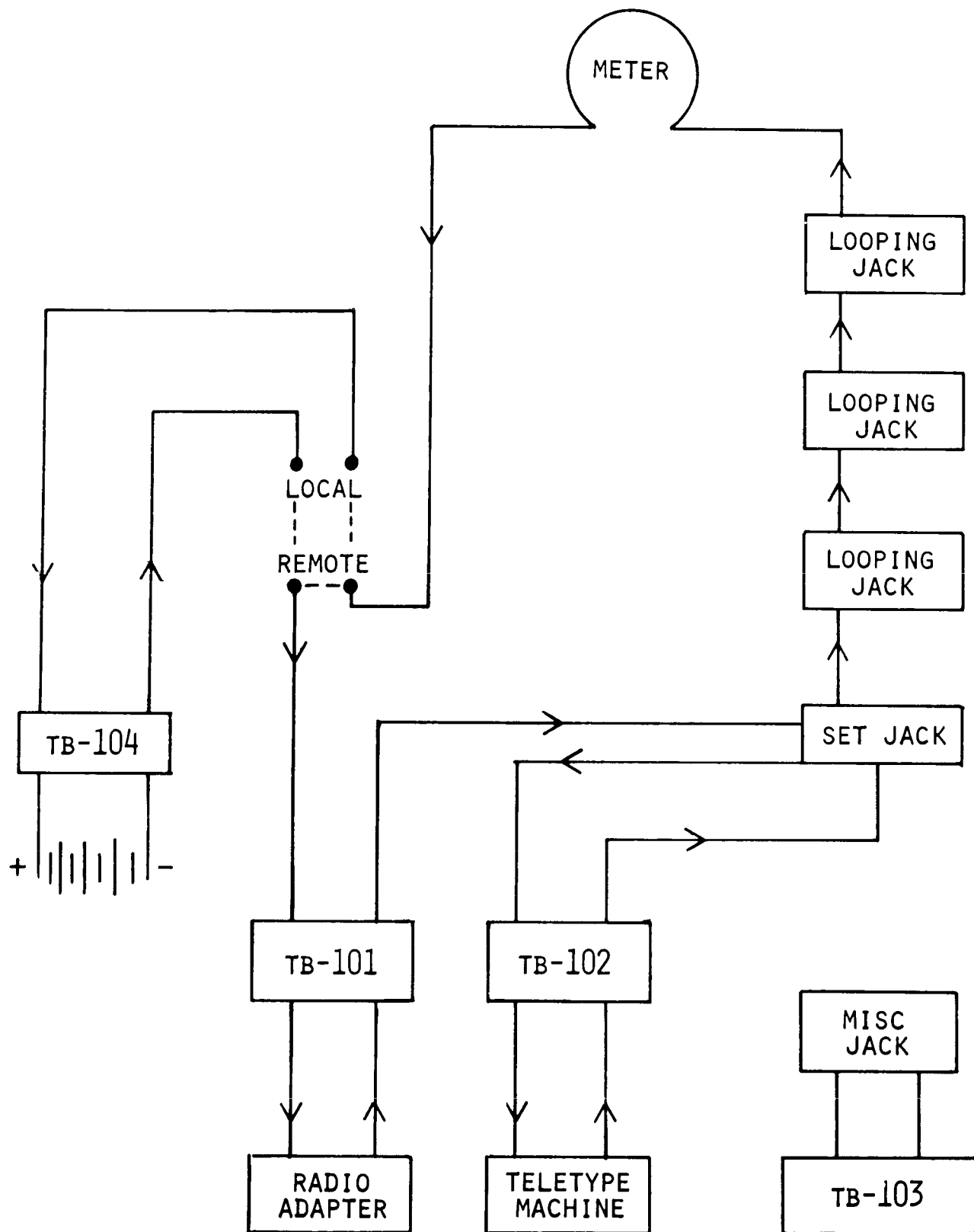


MOD 28 ASR-AN/UGC-6K AC AND DC CIRCUITS OF REPERFORATOR



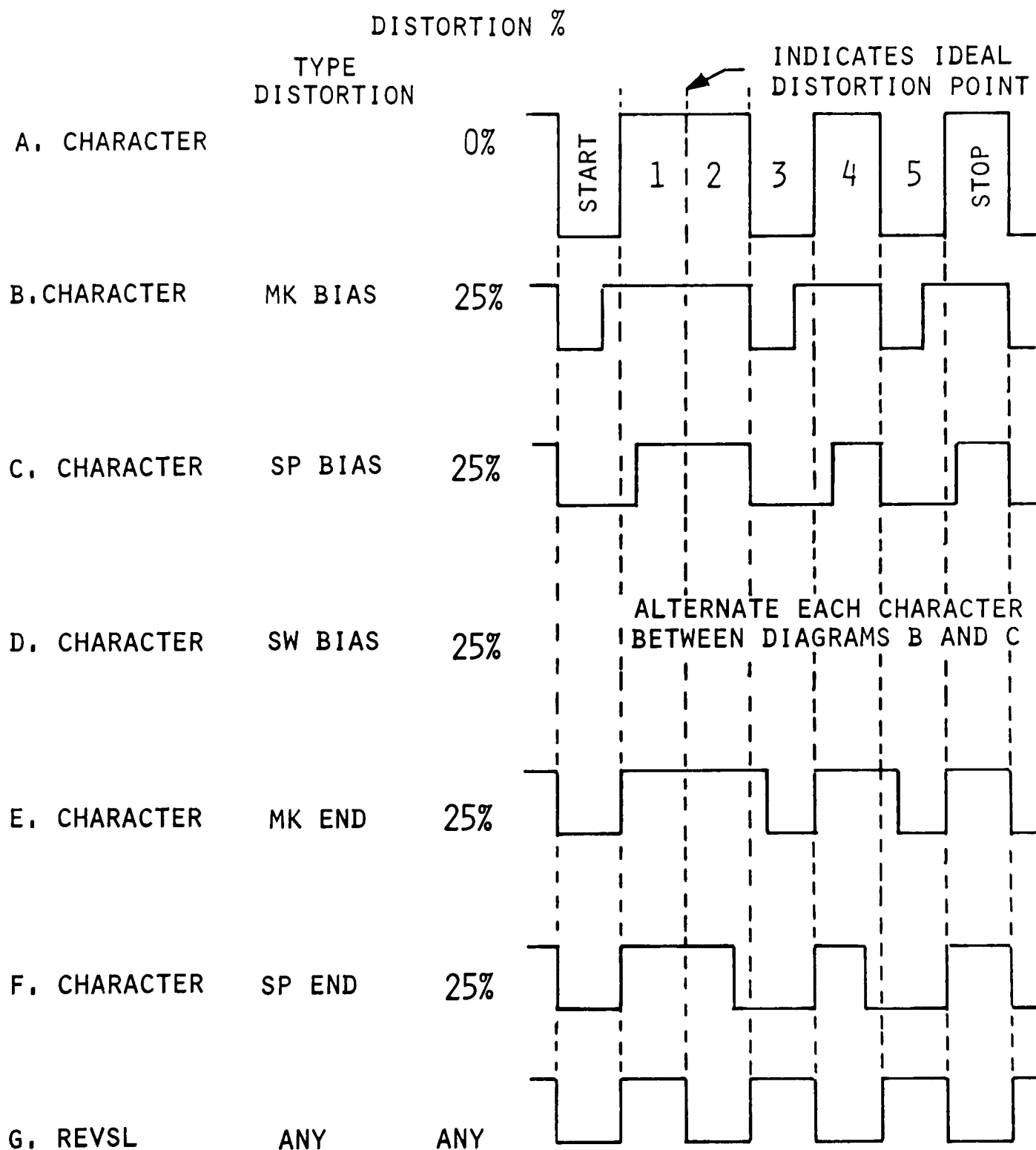
MOD 28 ASR-AN/UGC-6K SMD

6-5-1D



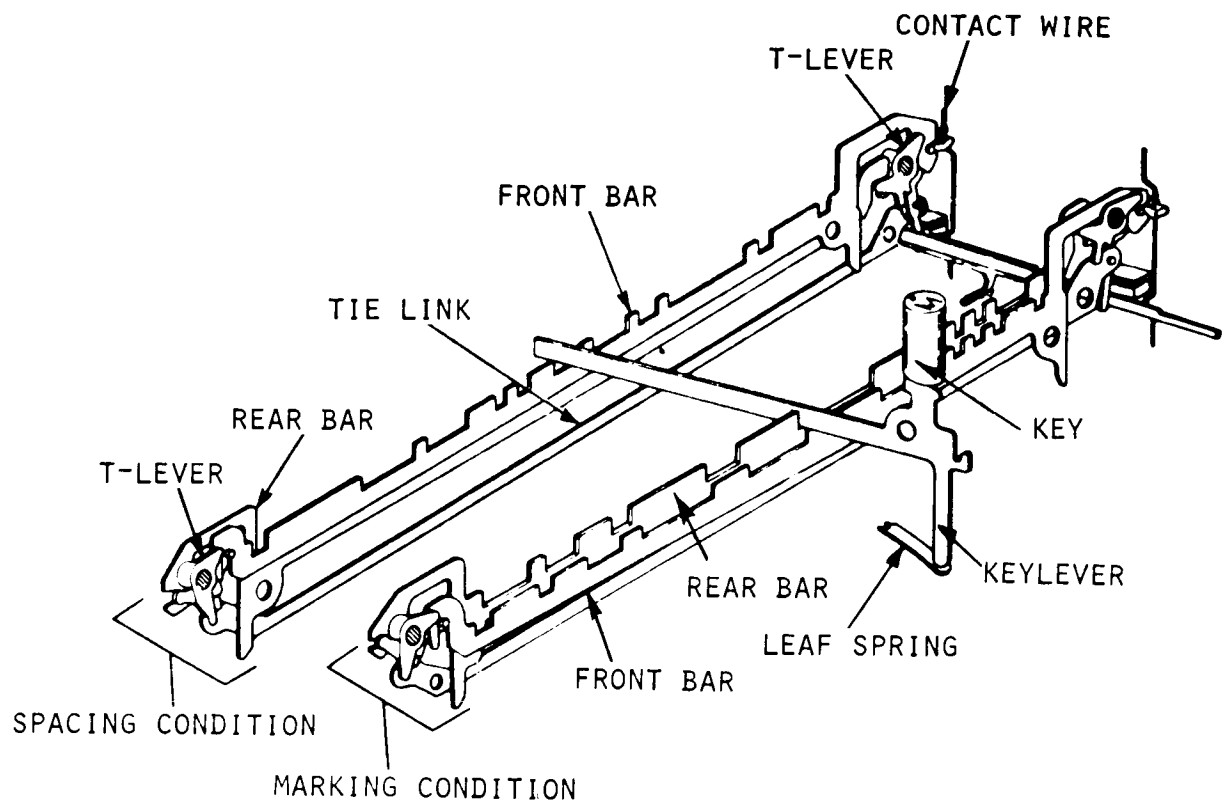
MOD 28 ASR-AN/UGC-6K- TELETYPE PANEL BLOCK DIAGRAM

6-6-1D

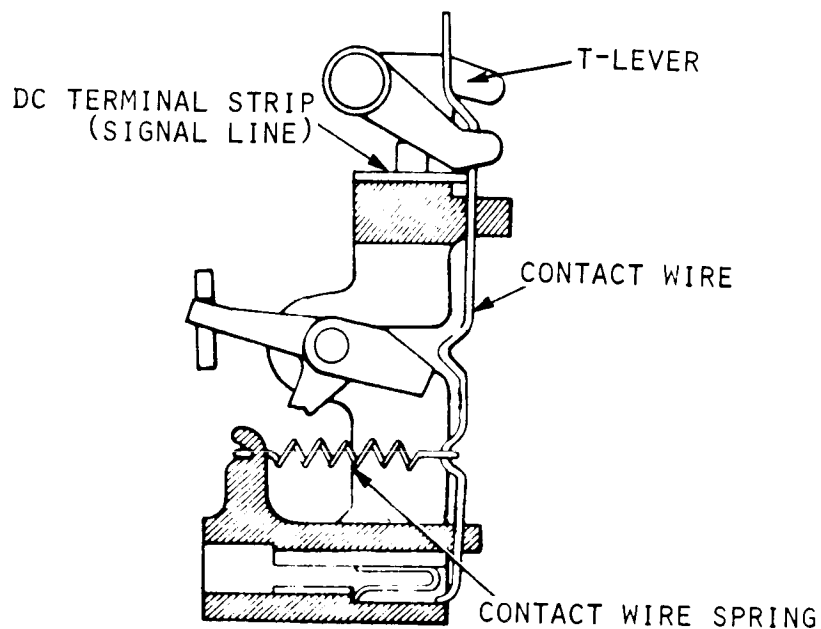


MOD 28 ASR-AN/UGC-6K TELETYPE DISTORTION

7-1-1D

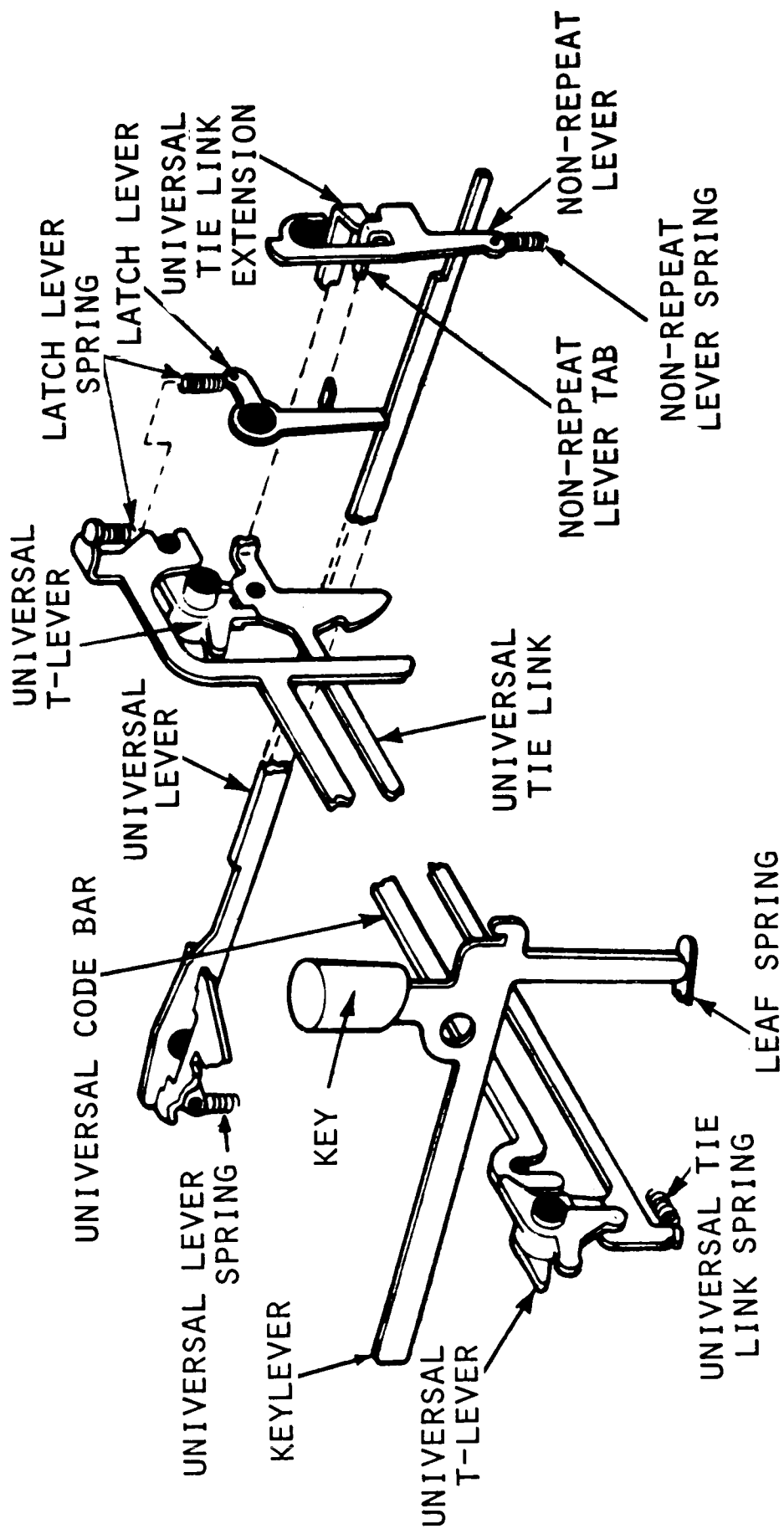


(LEFT FRONT VIEW)



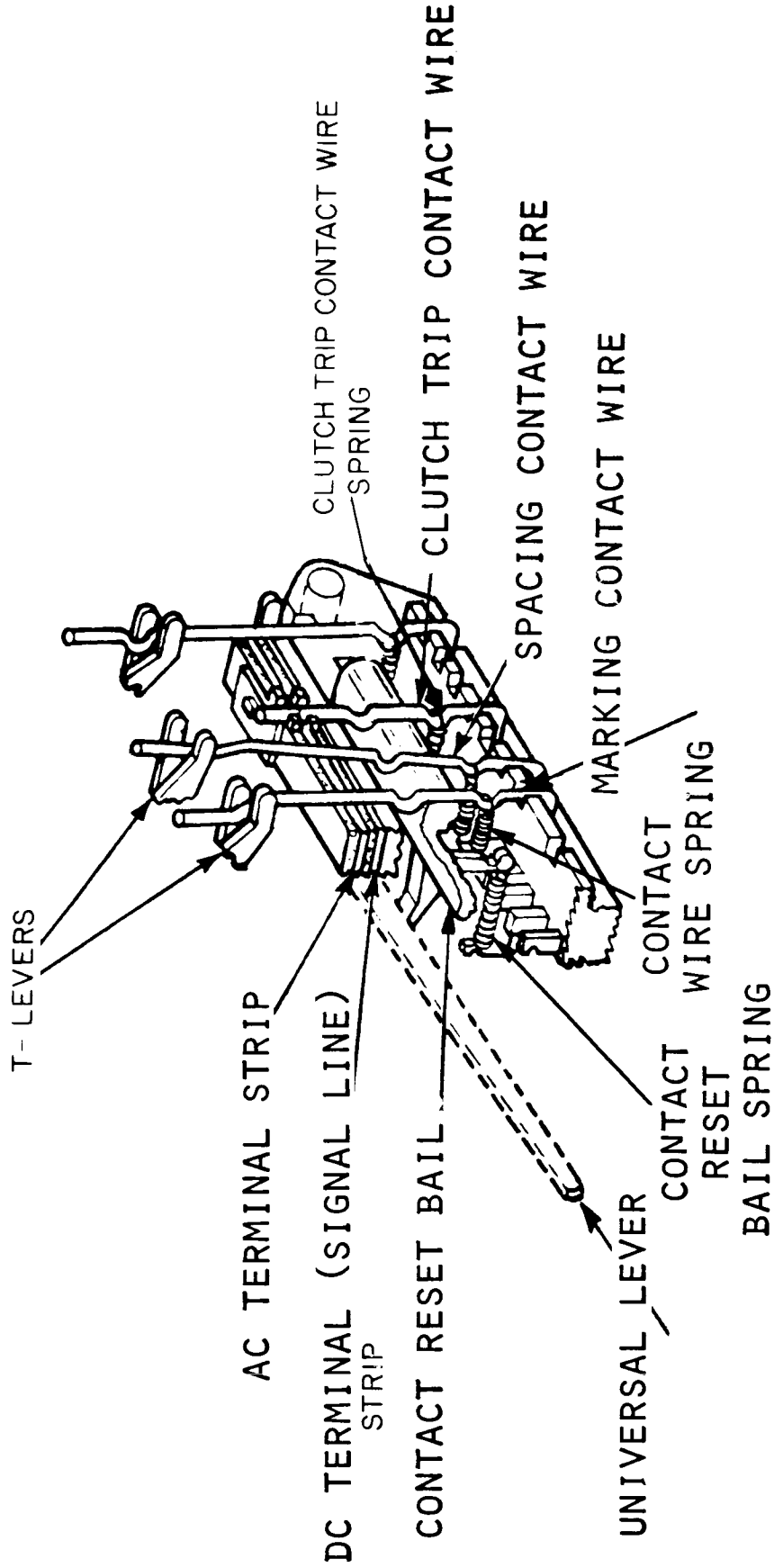
(FRONT VIEW)

MOD 28 ASR-AN/UGC -20- CODEBAR MECHANISM

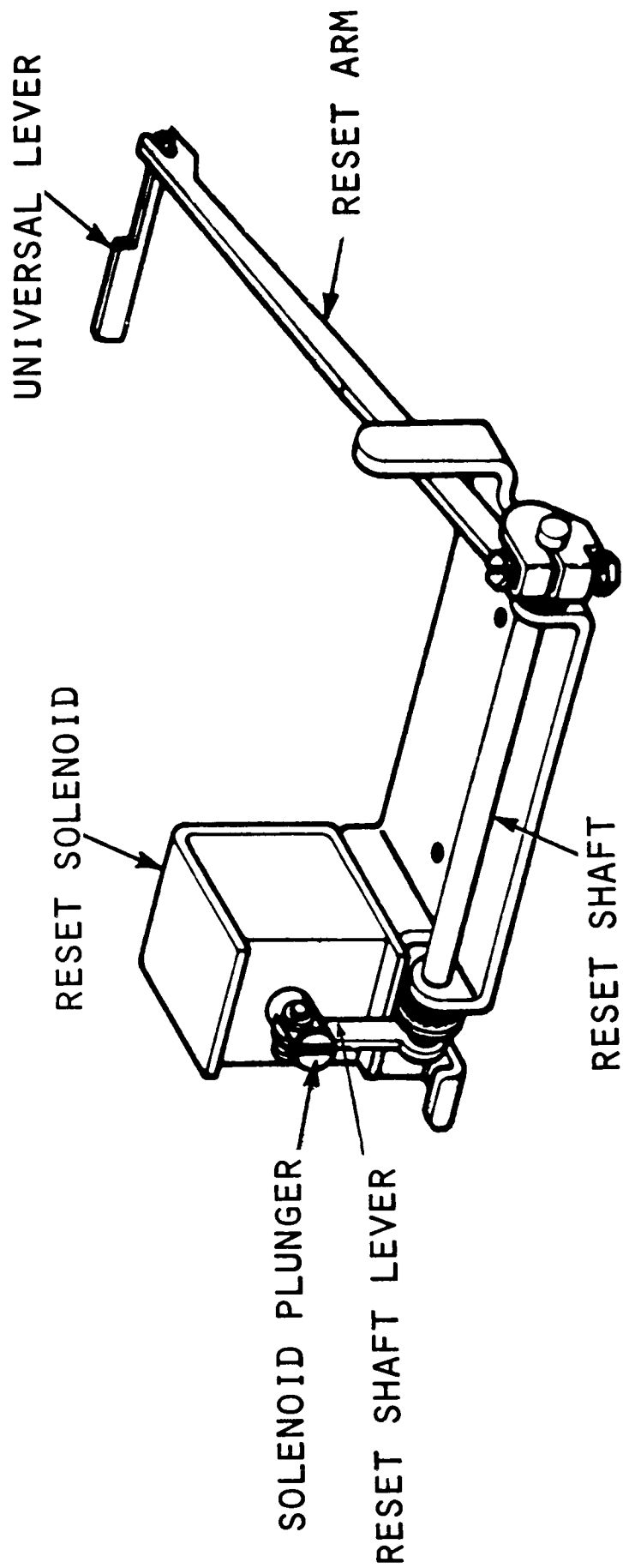


MOD 28 ASR-AN/UGC-20- UNIVERSAL MECHANISM (LEFT FRONT VIEW)

8-2-2D



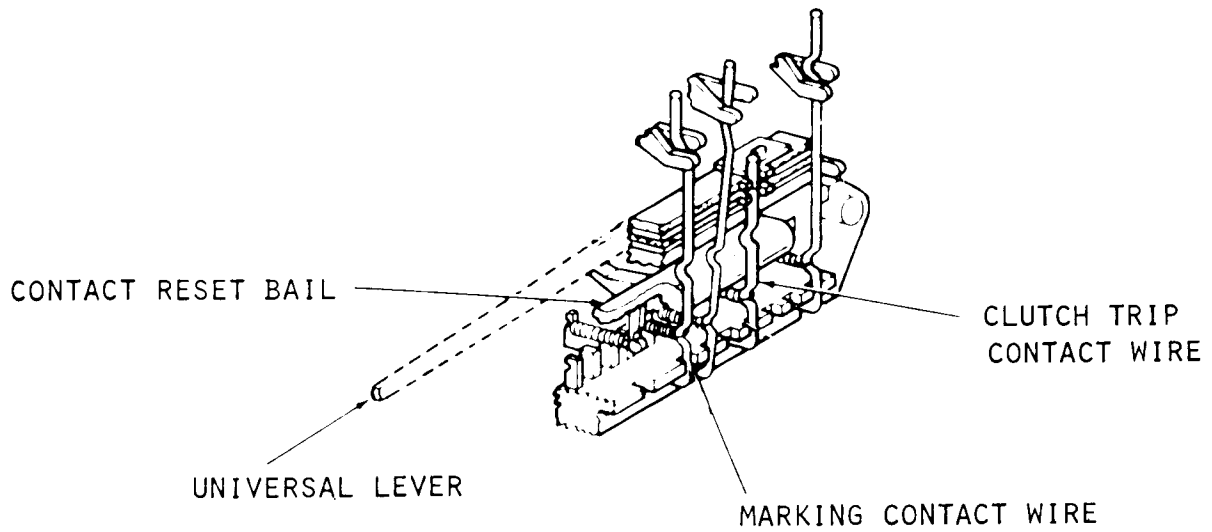
MOD 28 ASR-AN/UGC-20- CONTACT MECHANISM (RIGHT FRONT VIEW)



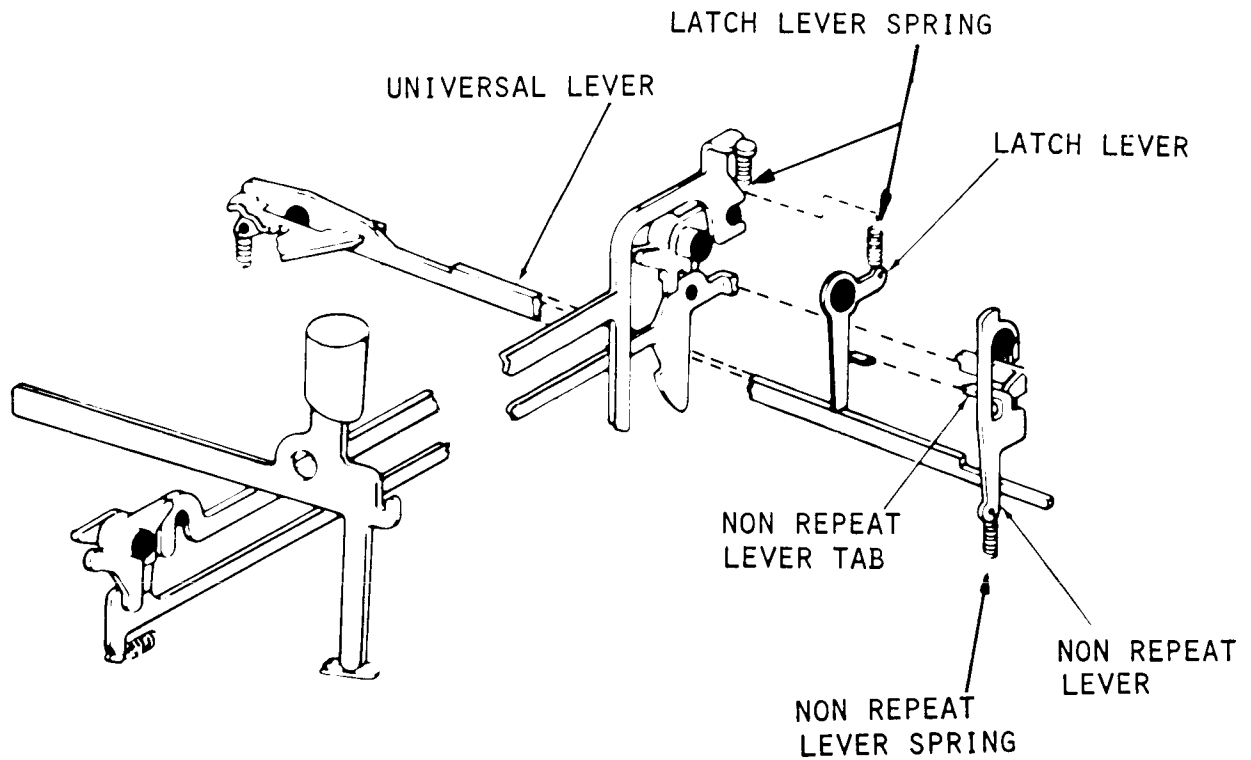
MOD 28 ASR-AN/UGC-20- RESET MECHANISM #1 (LEFT FRONT VIEW)

8-2-4D

RIGHT FRONT VIEW

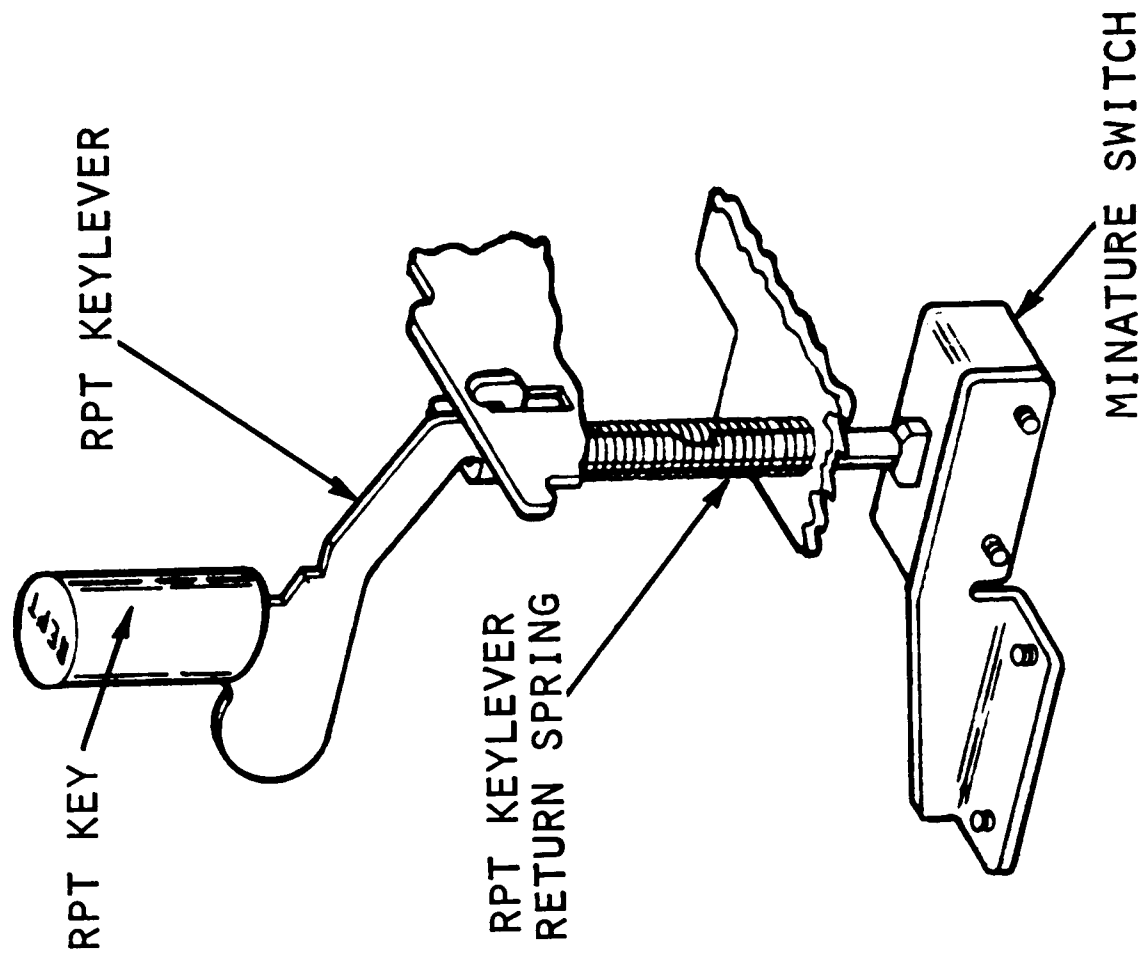


LEFT FRONT VIEW

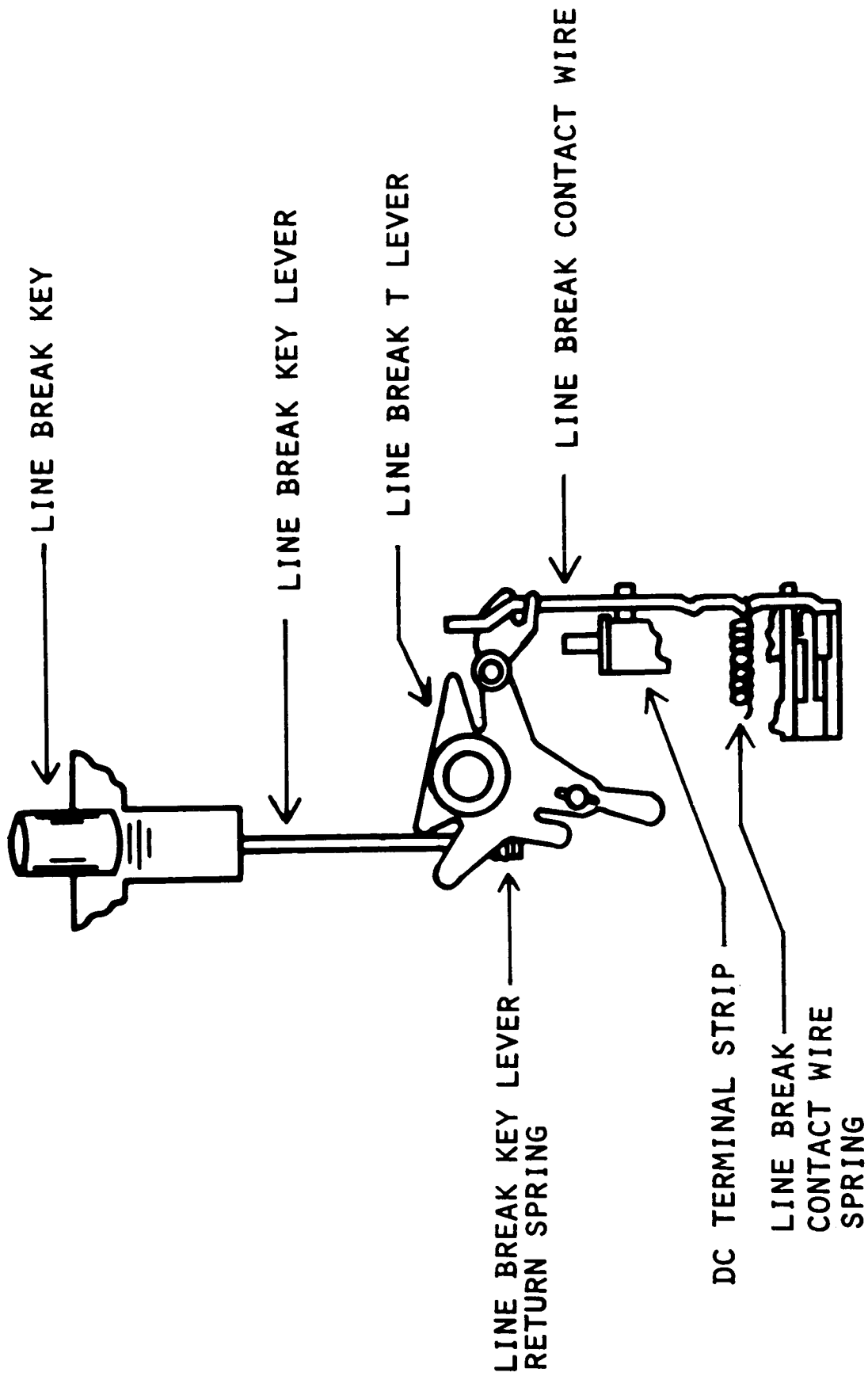


MOD 28 ASR-AN/UGC-20 RESET MECHANISM #2

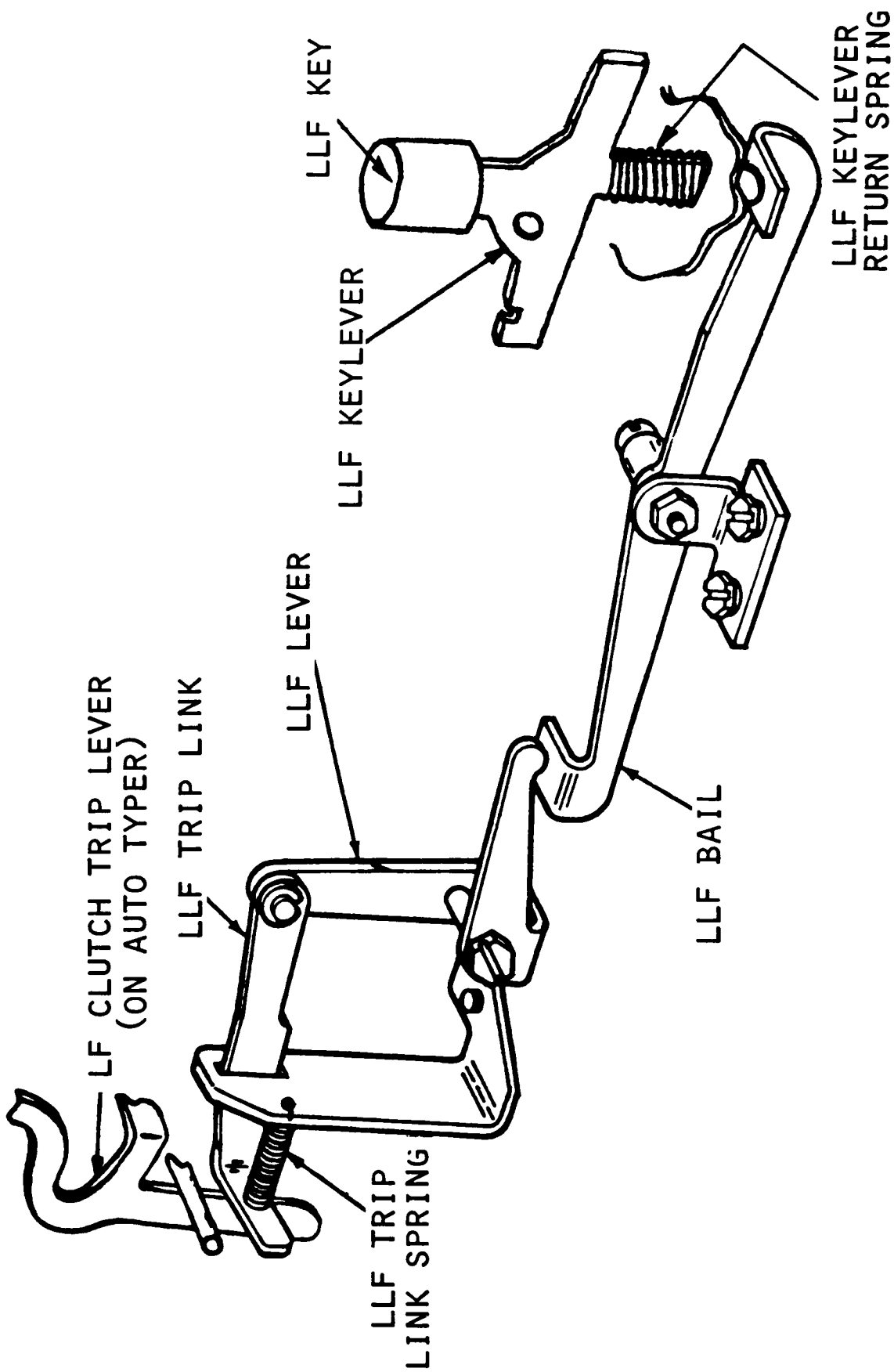
8-2-5D



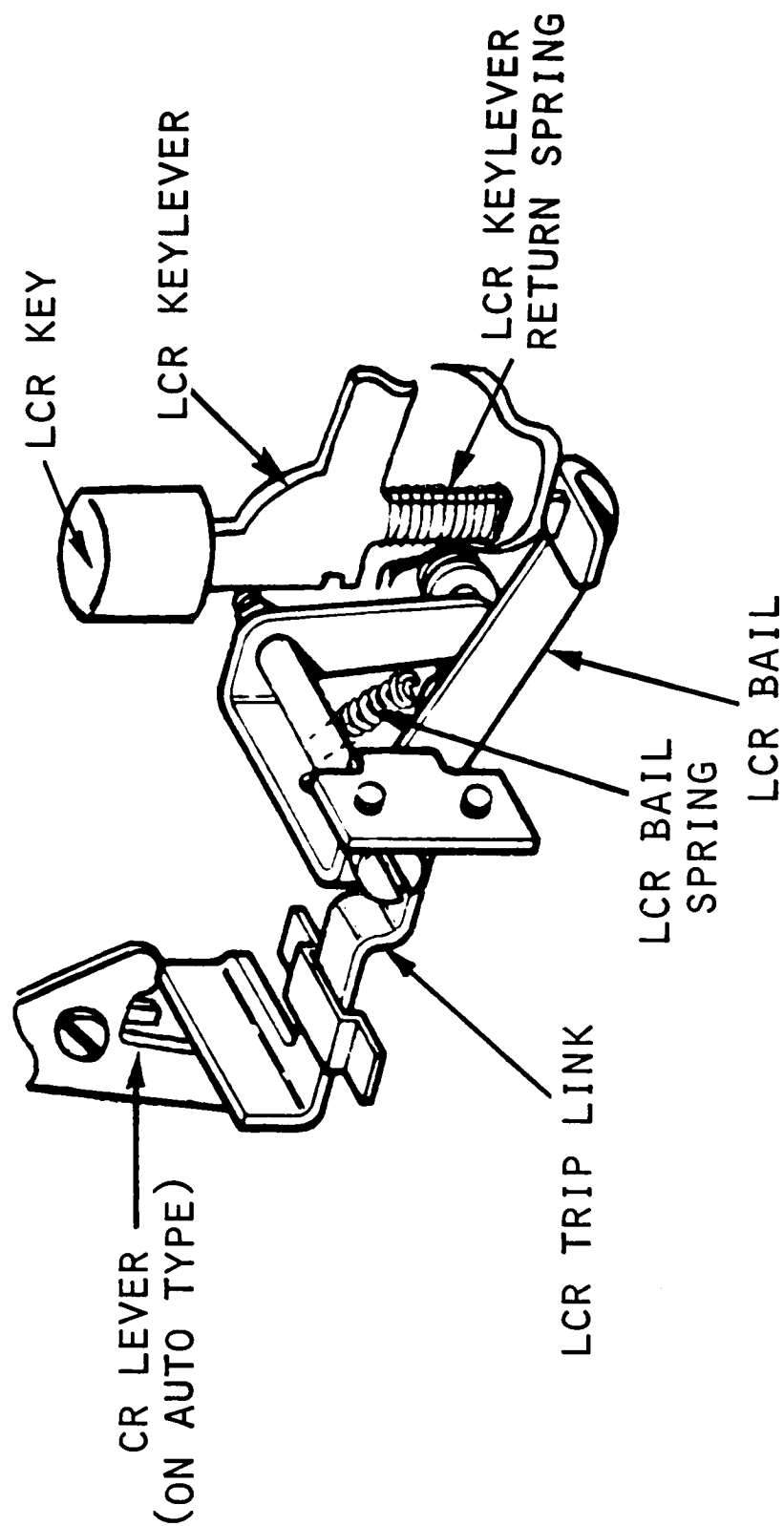
MOD 28 ASR-AN/UGC-20- REPEAT MECHANISM (LEFT FRONT VIEW)



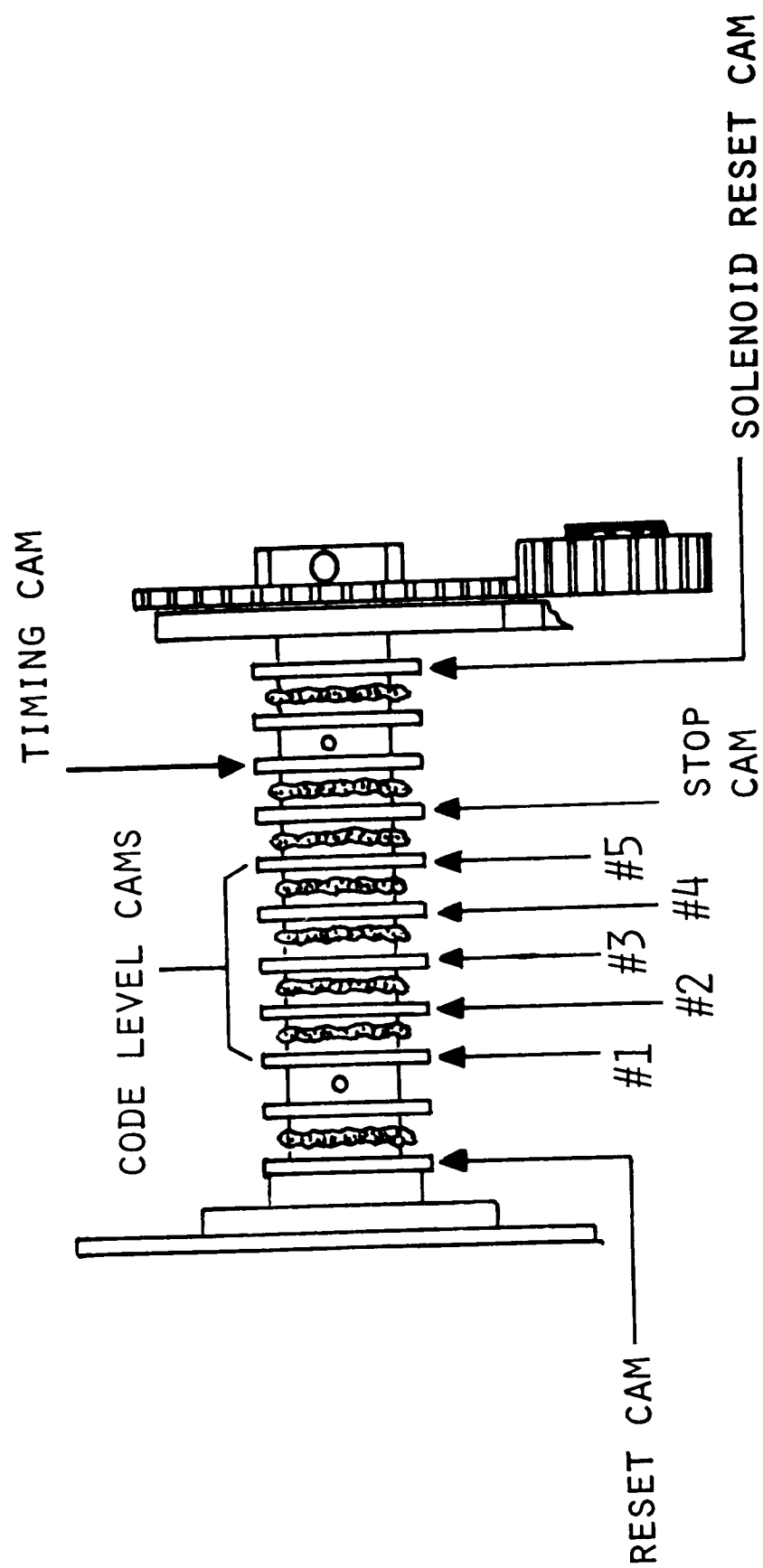
MOD 28 ASR-AN/UGC-20 LINE BREAK MECHANISM



MOD 28 ASR-AN/UGC-20- LOCAL LINE FEED (LLF) (LEFT VIEW)

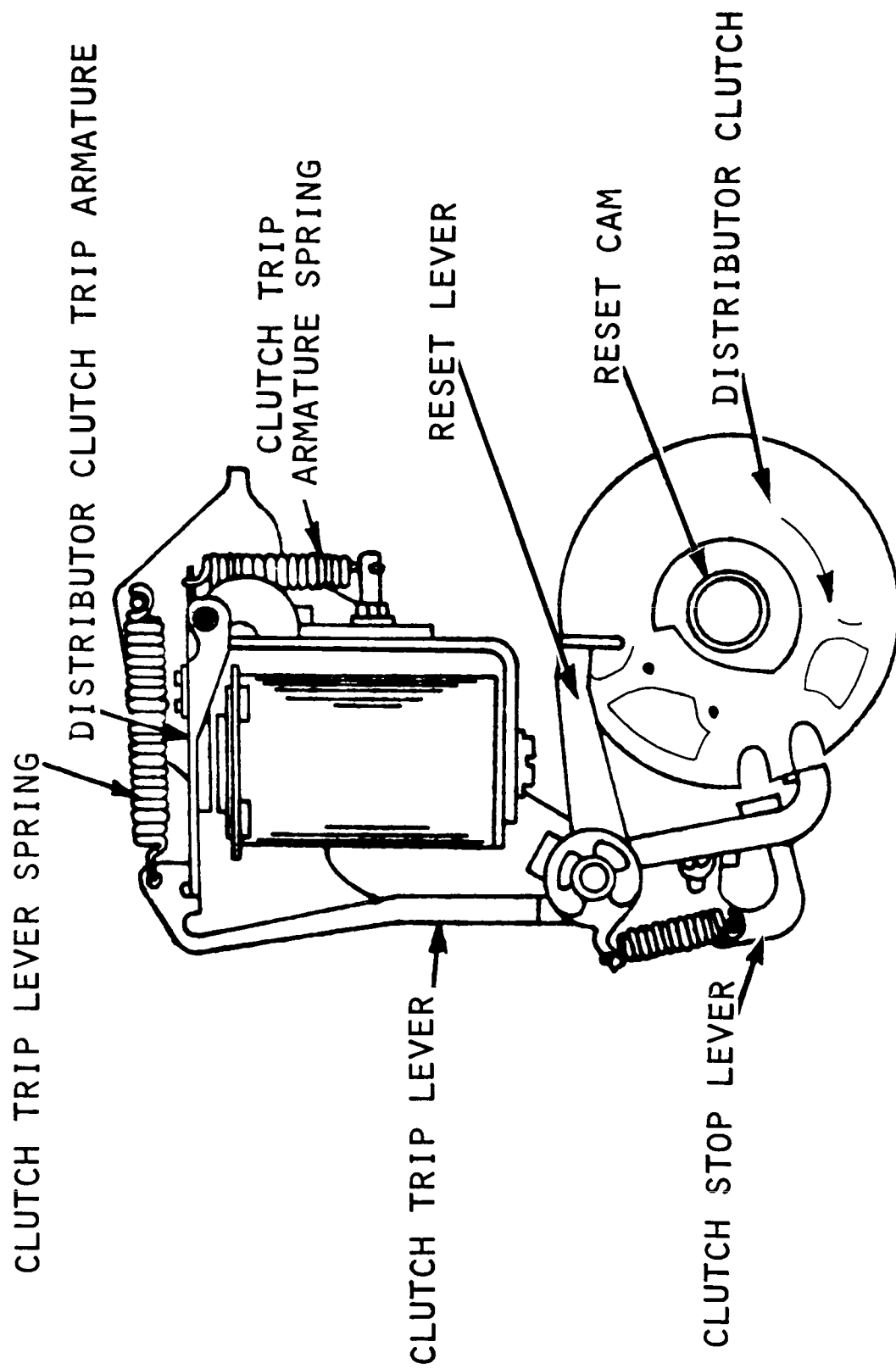


MOD 28 ASR-AN/UGC-20- LOCAL CARRIAGE RETURN (LCR) (LEFT VIEW)

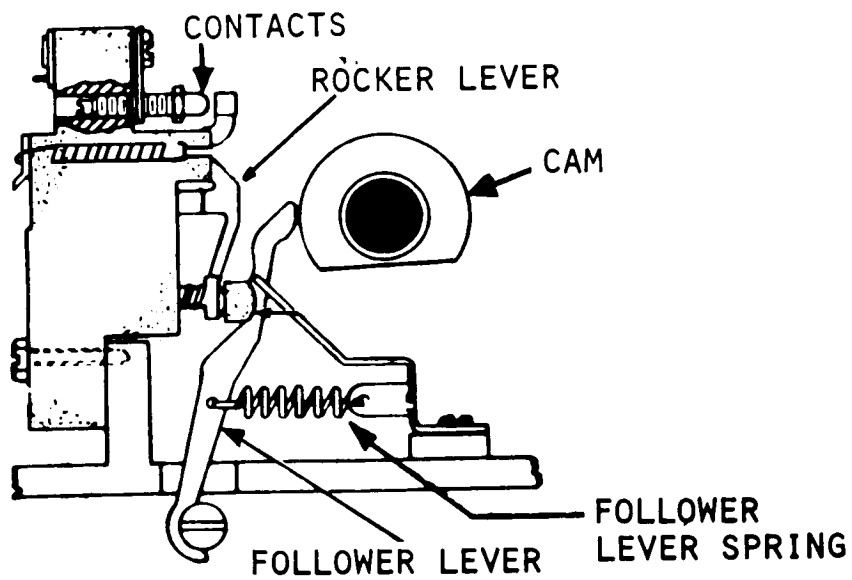
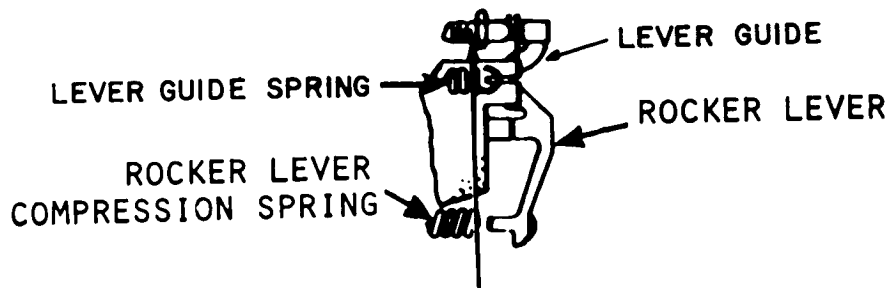


MOD 28 ASR-AN/UGC-20 DISTRIBUTOR CAM SLEEVE

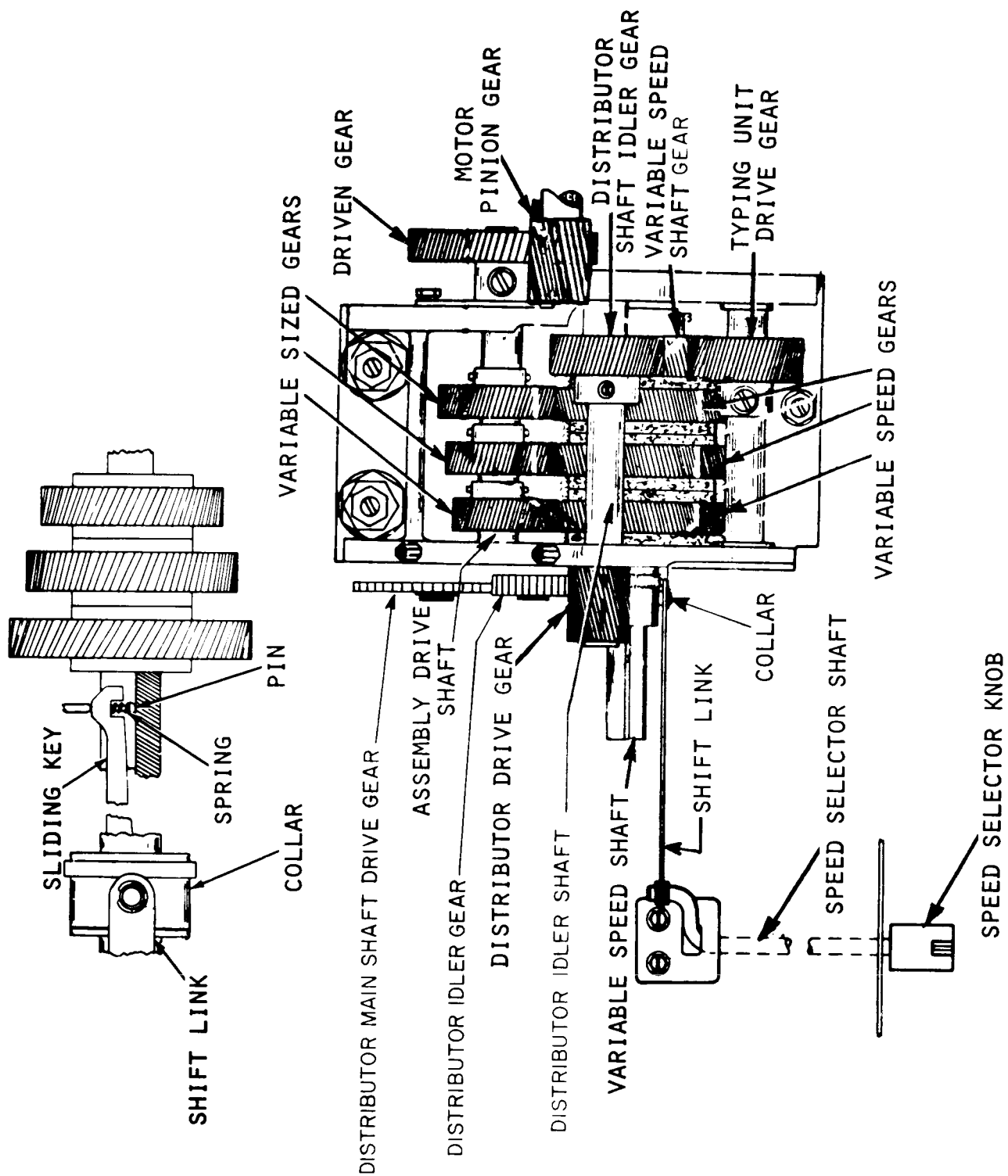
8-2-10D



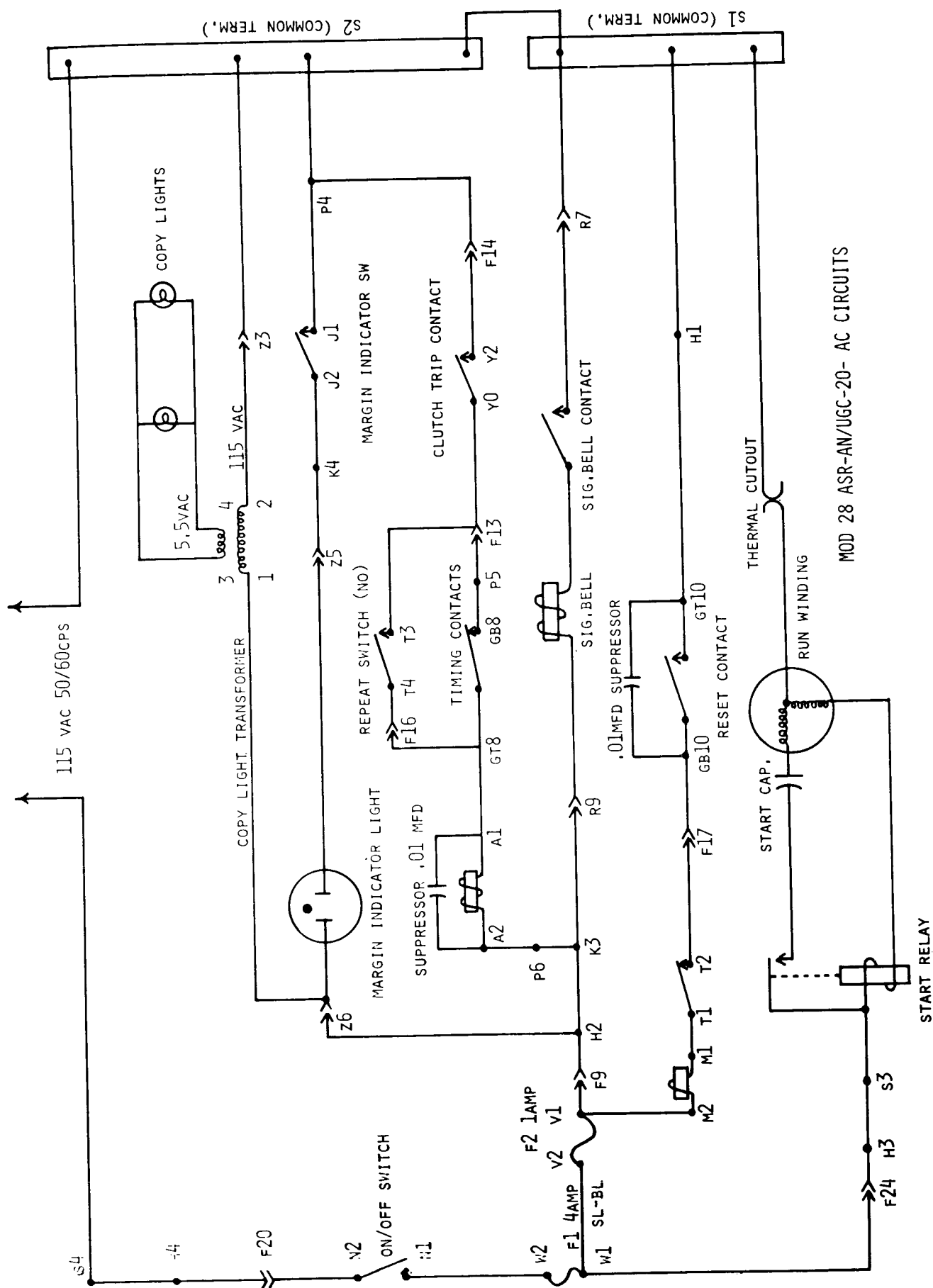
MOD 28 ASR-AN/UGC-20- DISTRIBUTOR CLUTCH TRIP MECHANISM (RIGHT VIEW)



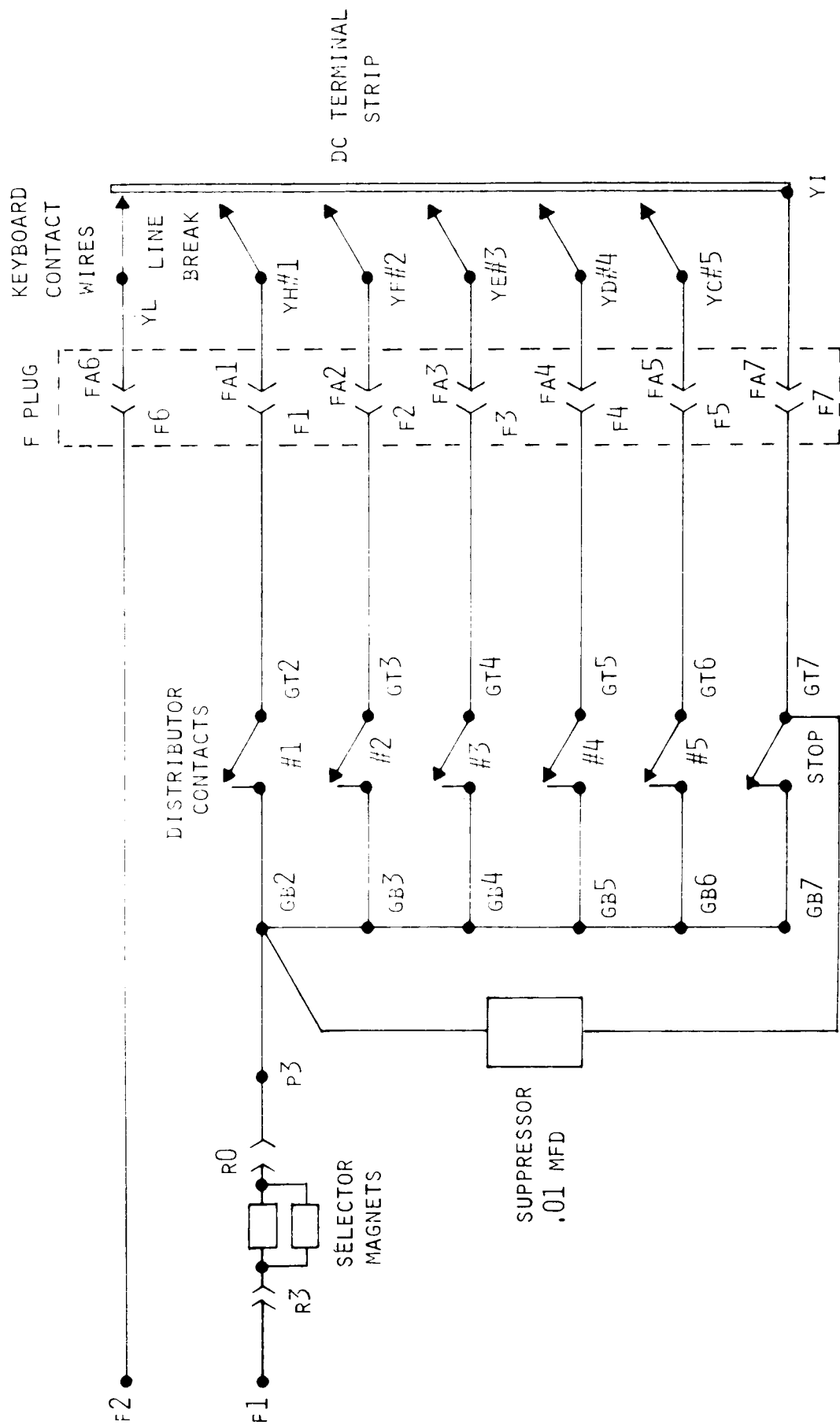
MOD 28 ASR-AN/UGC-20- DISTRIBUTOR MECHANISM (RIGHT SIDE VIEW)



MOD 28 ASR-AN/UGC-20- 3-SPEED GEAR MECHANISM (TOP VIEW)

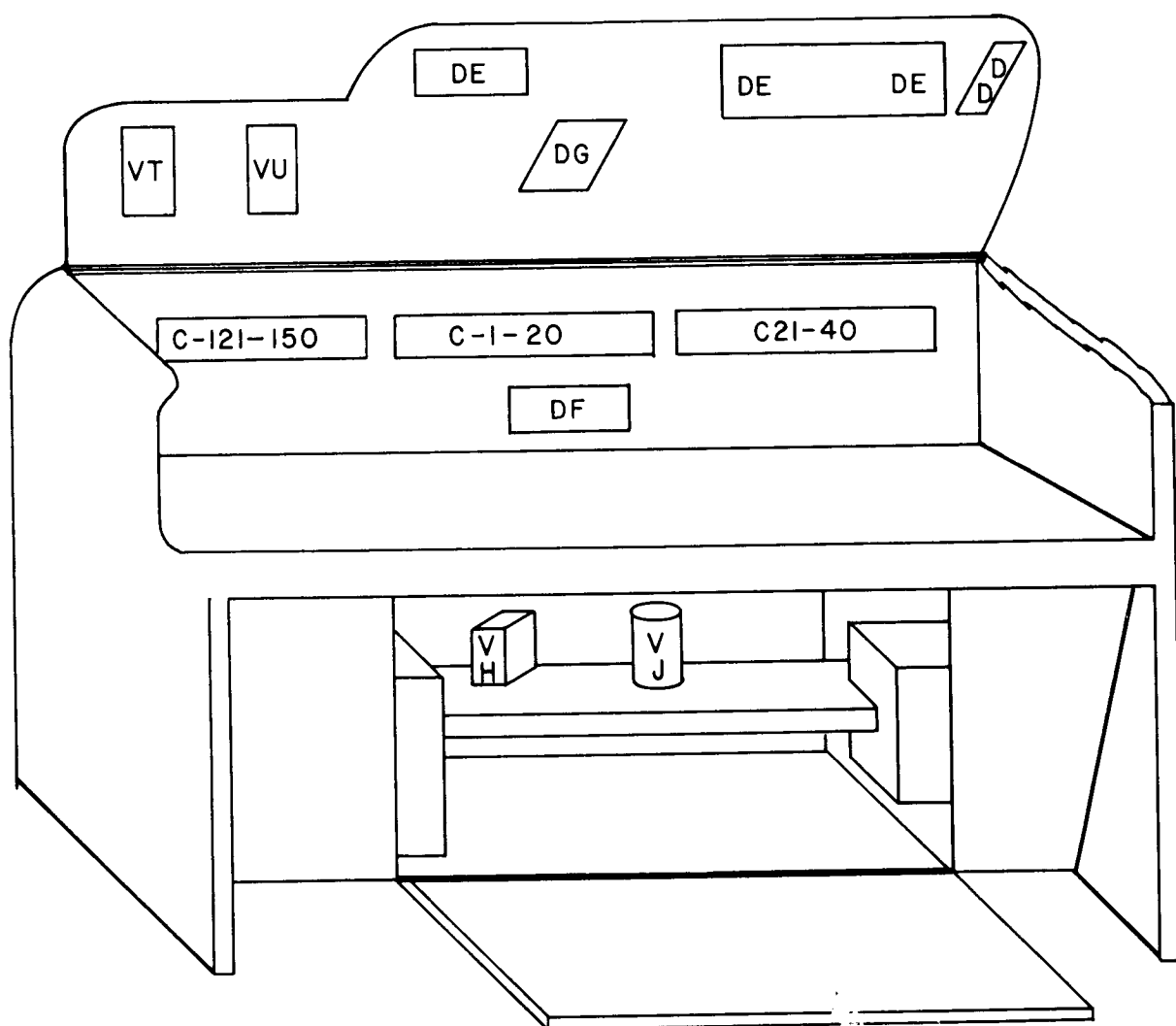


8-3-1D



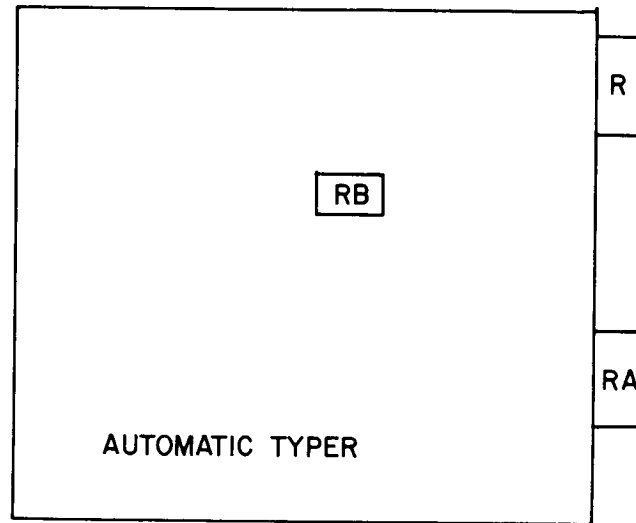
110D 28 ASR-AN/UGC-20 DC CIRCUITS

C CABINET TERMINAL BLOCK
 DD MARGIN INDICATOR LAMP SOCKET
 DE MAINTENANCE AND COPY LIGHTS
 DF LIGHTING TRANSFORMER
 DG COPY LIGHT SWITCH
 VT REPERFORATOR POWER SWITCH
 VU REPERFORATOR TAPE FEED OUT SWITCH
 VH REPERFORATOR LINE SHUNT RELAY
 VJ REPERFORATOR SELECTOR MAGNET DRIVER

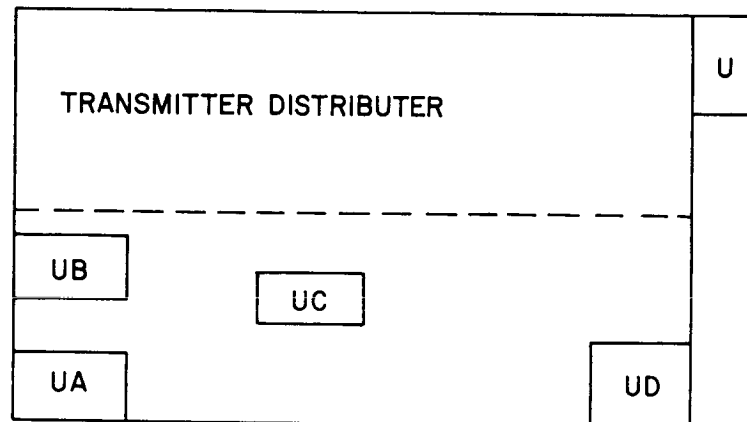


LOCATION OF ELECTRICAL COMPONENTS - CABINET

R AUTOMATIC TYPER CONNECTOR
 RA SELECTOR MAGNETS
 RB SIGNAL BELL CONTACTS

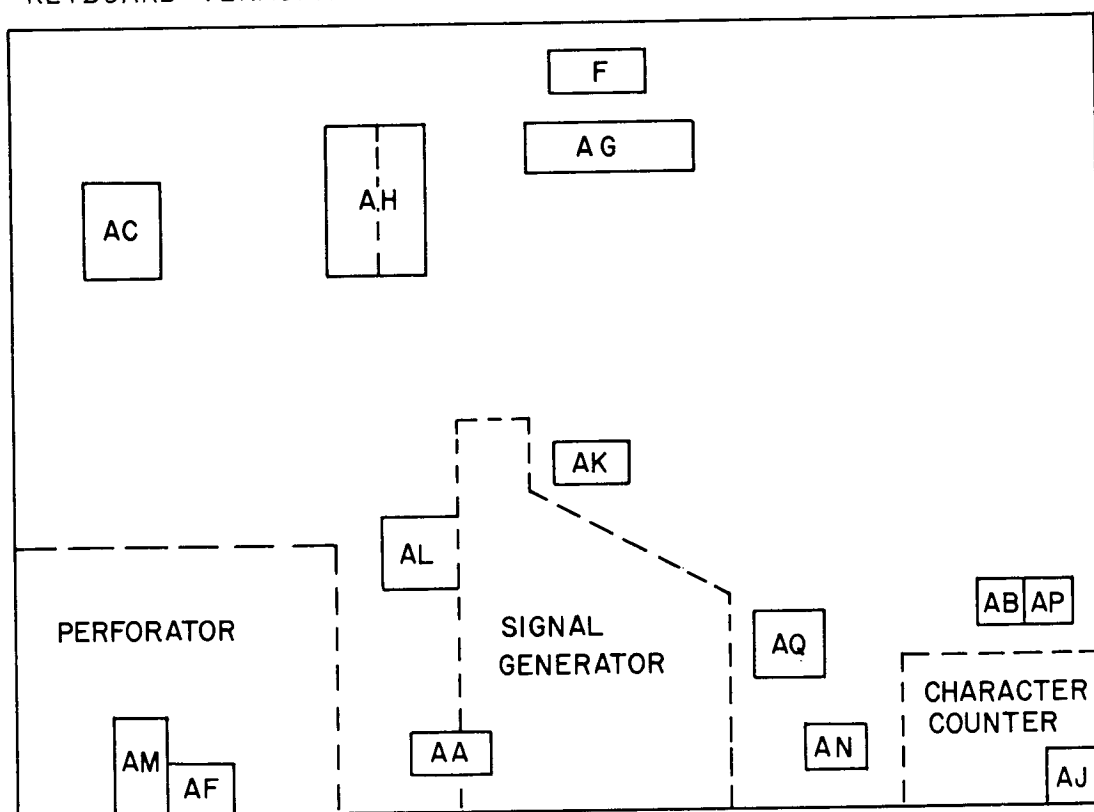


U TD BASE CONNECTOR
 UA TD SIGNAL GENERATOR CONTACTS
 UB TD CLUTCH MAGNETS
 UC START-STOP, TIGHT OR TANGLED TAPE CONTACT ASSEMBLY
 UD TAPE OUT CONTACT ASSEMBLY



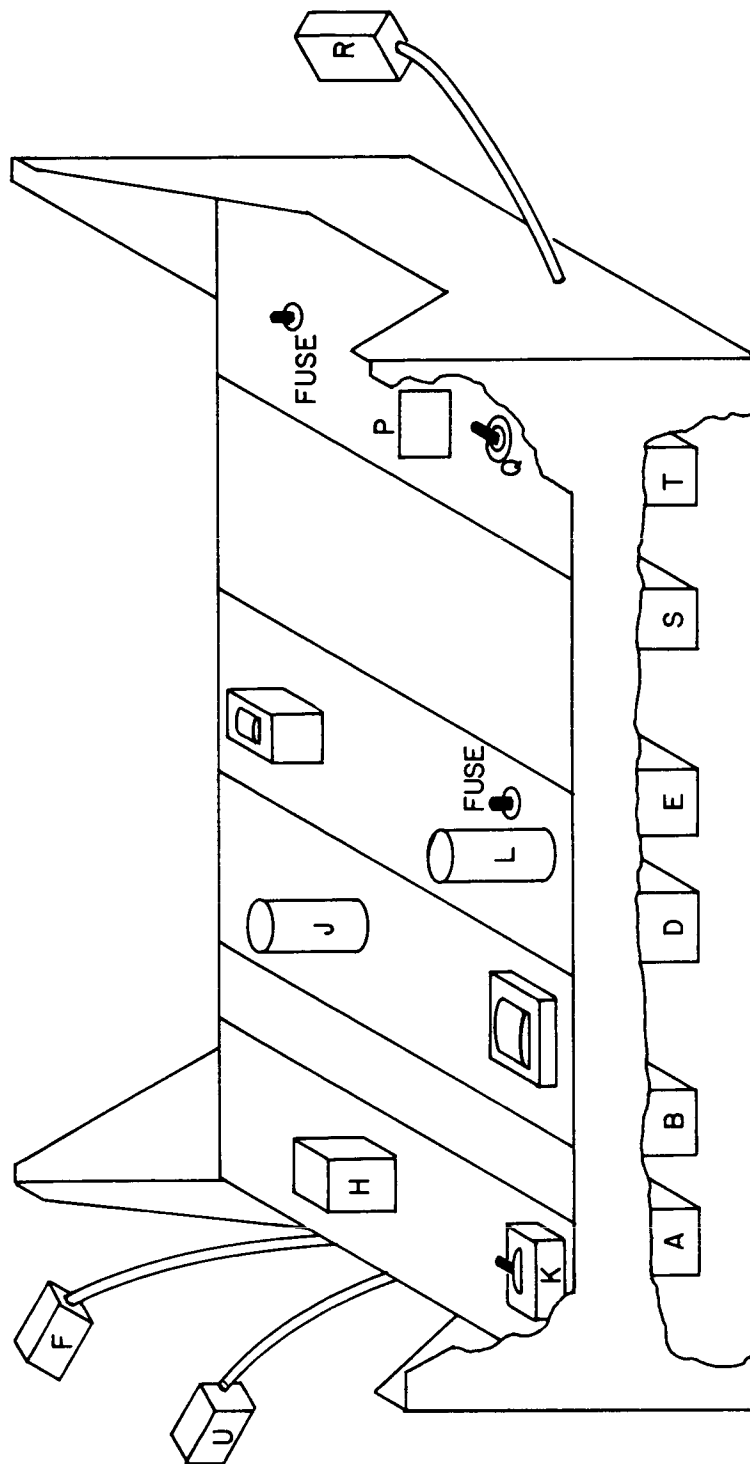
LOCATION OF ELECTRICAL COMPONENTS - AUTOMATIC TYPER AND TRANSMITTER DISTRIBUTOR

F	KEYBOARD CONNECTOR	AJ	END-OF-LINE INDICATOR SWITCH
AA	SIGNAL GENERATOR CONTACTS	AK	SIGNAL LINE BREAK SWITCH
AB	LOCK BAR SWITCH	AL	MARGIN INDICATOR SWITCH
AC	AUXILIARY SWITCH	AM	BACK SPACE MAGNET (ON PERF)
AF	END-OF-LINE/MARGIN INDICATOR SWITCH	AN	BACK SPACE SWITCH
AG	MOTOR TERMINAL BLOCK	AP	CLUTCH TRIP MAGNET
AH	KEYBOARD TERMINAL BLOCK	AQ	CLUTCH TRIP CONDITIONING SWITCH



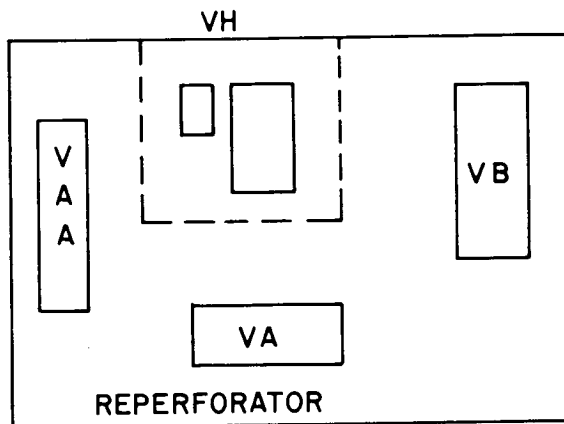
LOCATION OF ELECTRICAL COMPONENTS - KEYBOARD

- | | | | |
|---|--------------------------------|---|--------------------------------------|
| A | SELECTOR MAGNET TERMINAL BLOCK | L | RECTIFIER ASSEMBLY |
| B | LINE-TEST KEY TERMINAL BLOCK | P | CONVENIENCE OUTLET AND FUSE HOLDER |
| D | MOTOR CONTROL TERMINAL BLOCK | Q | POWER SWITCH |
| E | POWER TERMINAL BLOCK | R | TYPING UNIT CABLE AND CONNECTOR |
| F | KEYBOARD CABLE AND CONNECTOR | S | SLOW RELEASE RELAY TERMINAL BLOCK |
| H | LINE SHUNT RELAY | T | SLOW RELEASE TEST KEY TERMINAL BLOCK |
| J | SELECTOR MAGNET DRIVER | U | TD BASE CABLE AND CONNECTOR |
| K | LINE TEST KEY ASSEMBLY | | |

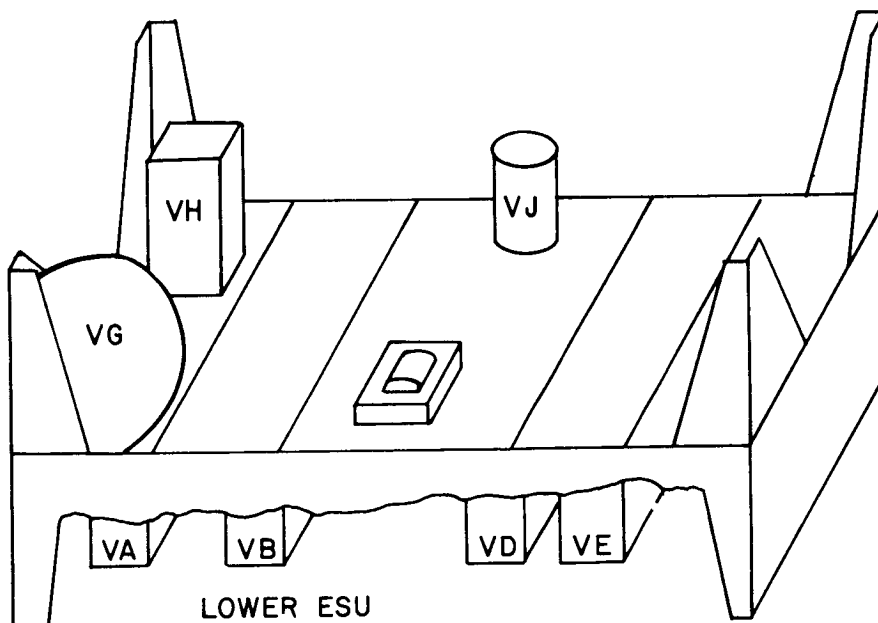


LOCATION OF ELECTRICAL COMPONENTS - UPPER ESU

VA SIGNAL BELL CONTACTS
 VB SELECTOR MAGNETS
 VH TAPE FEED OUT MAGNETS
 VAA 36 POINT CONNECTOR



VA SELECTOR MAGNET TERMINAL BLOCK
 VB NOT USED IN THIS EQUIPMENT
 VD MOTOR CONTROL TERMINAL BLOCK
 VE POWER TERMINAL BLOCK
 VG SIGNAL BELL
 VH LINE SHUNT RELAY
 VJ SELECTOR MAGNET DRIVER



LOCATION OF ELECTRICAL COMPONENTS - REPERFORATOR & LOWER ESU

