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TRAINEE'S GUIDE
for
NAVAL SCHOOLS
TELETYPE MAINTENANCE

CLASS C

VOLUME 3

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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

No.	Authority	Substance	Entered by	Date

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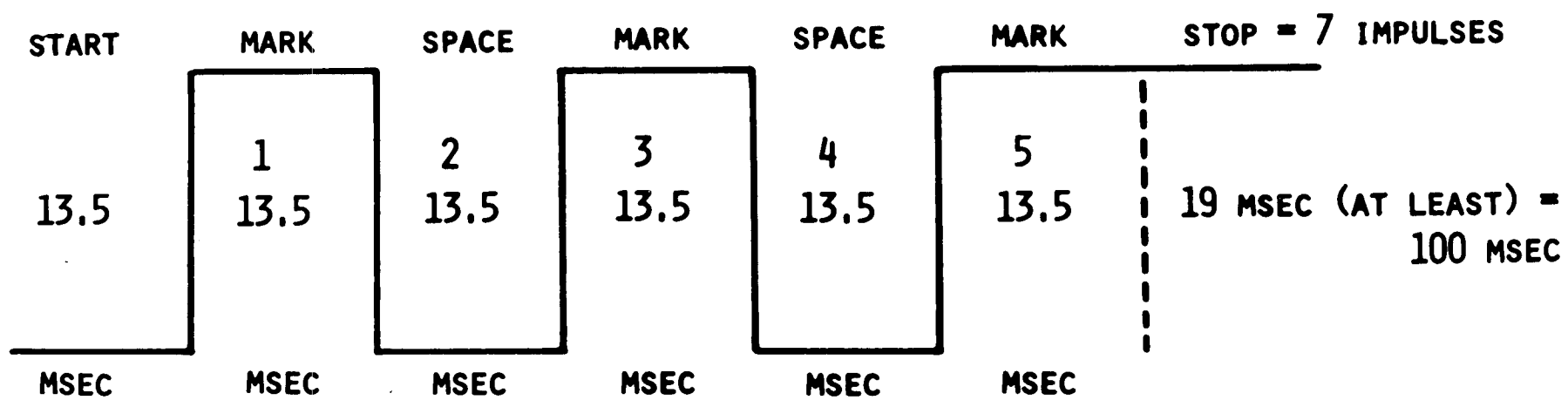
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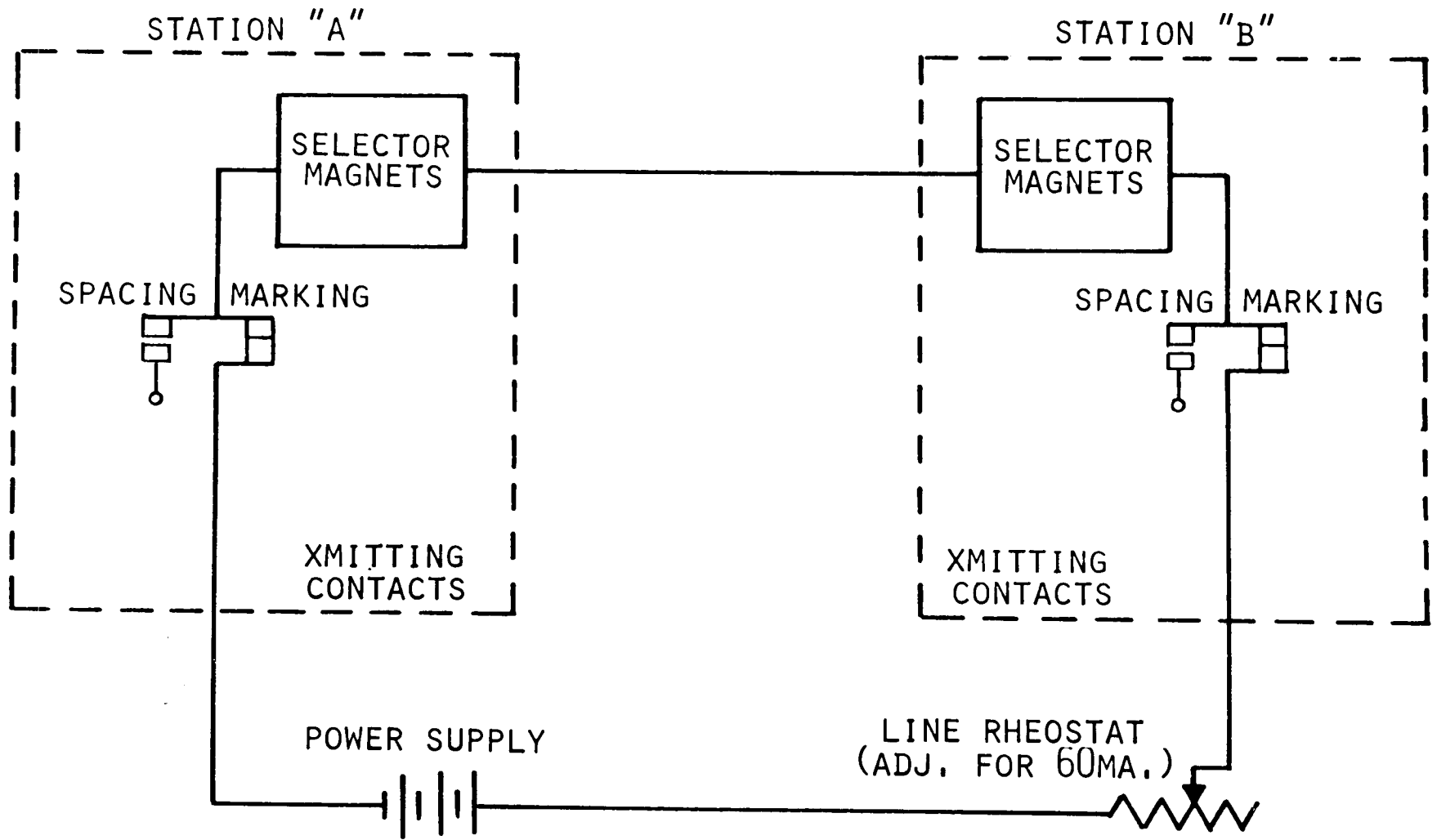
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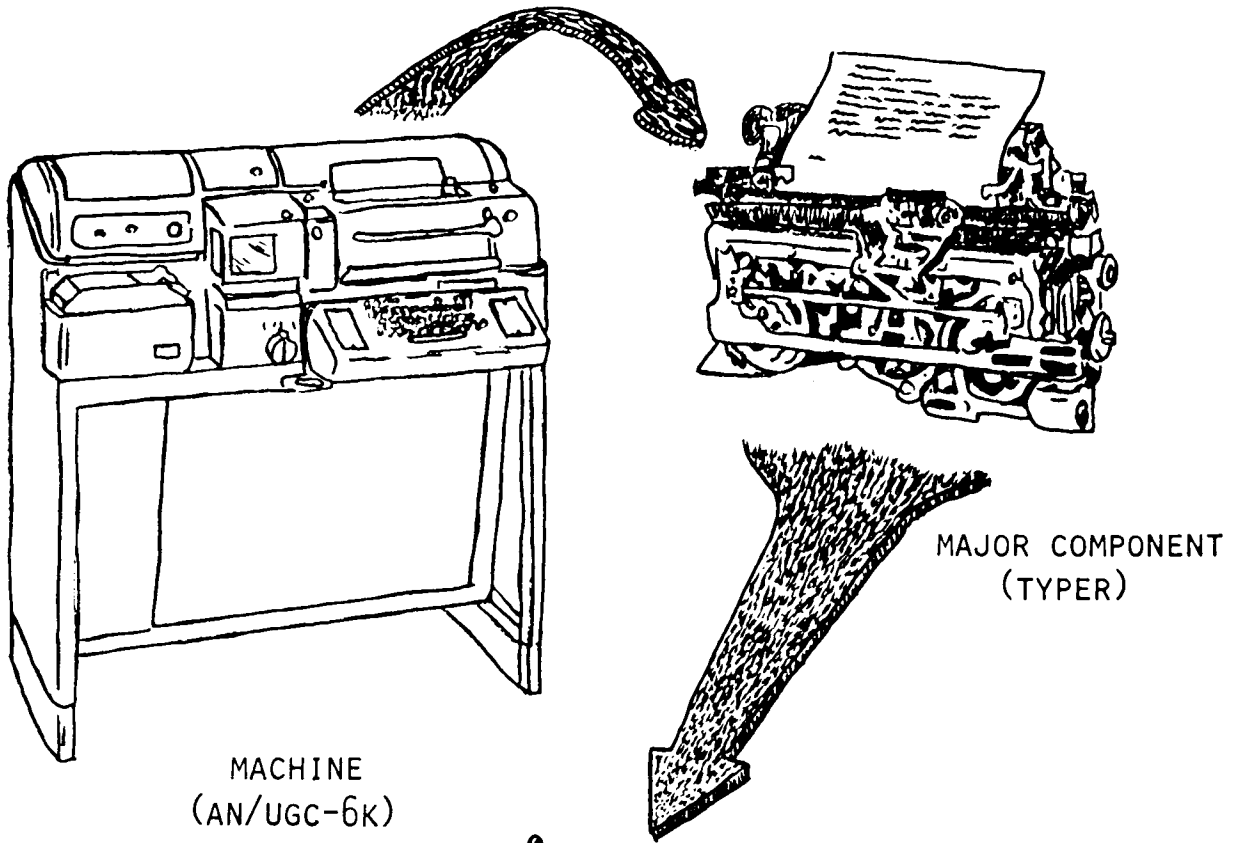
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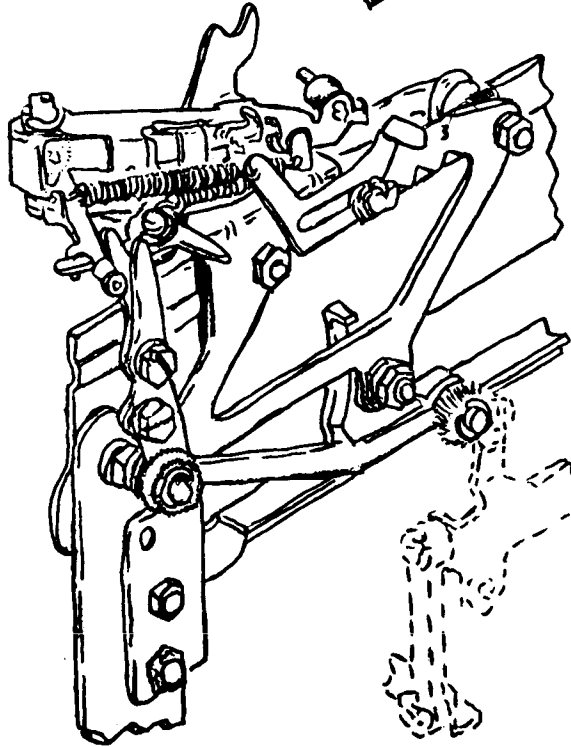


MOD 28 ASR-AN/UGC-6K- HALF DUPLEX TTY CIRCUIT



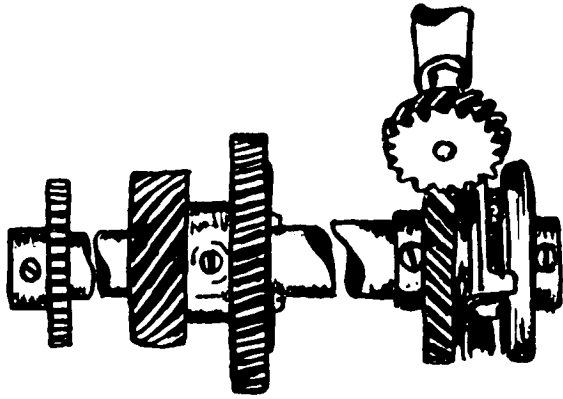
MACHINE
(AN/UGC-6K)

MAJOR COMPONENT
(TYPER)

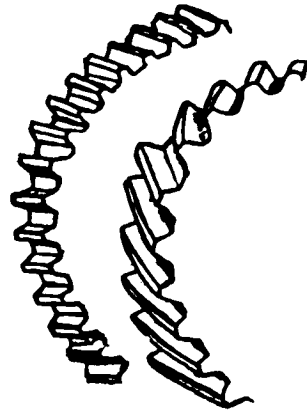


TRAIN OF PARTS
(PRINTING MECHANISM)

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

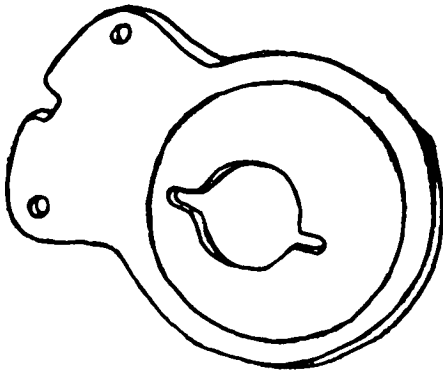


GEARS

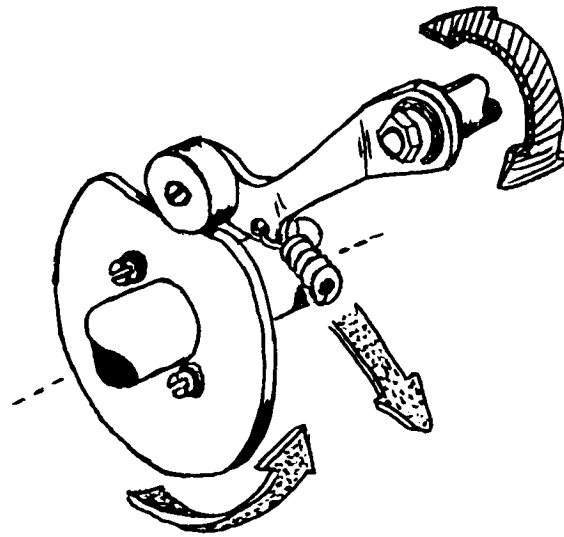


SPUR

HELICAL



ECCENTRIC

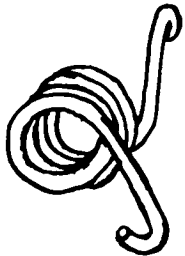


CAM

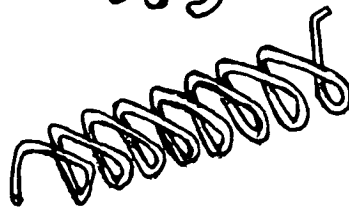


COIL

SPRINGS

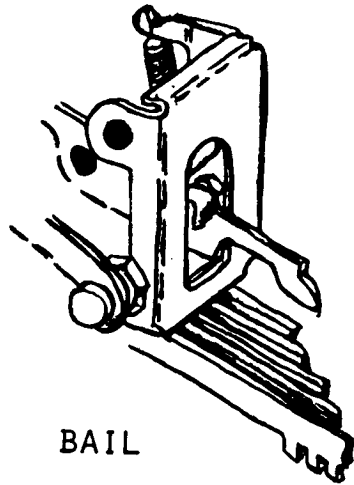


TORSION

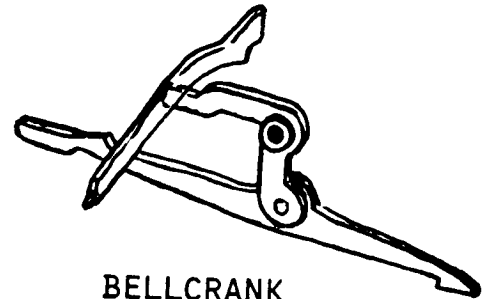


COMPRESSION

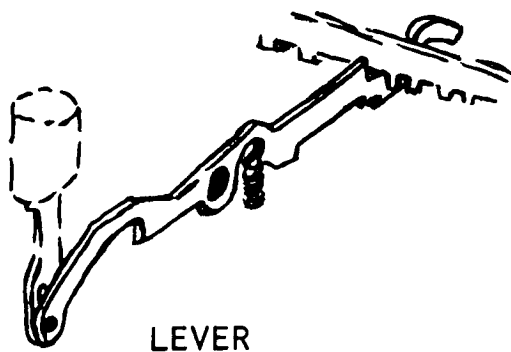
MOD 28 ASR-AN/UGC--6K TERMINOLOGY (#2)



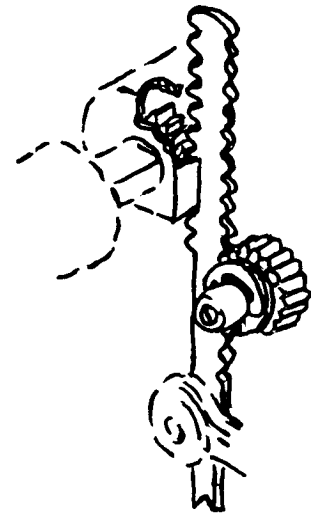
BAIL



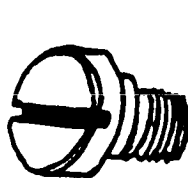
BELLCRANK



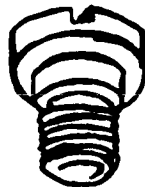
LEVER



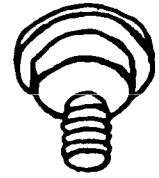
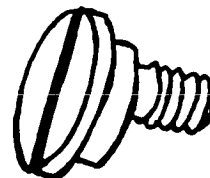
RACK



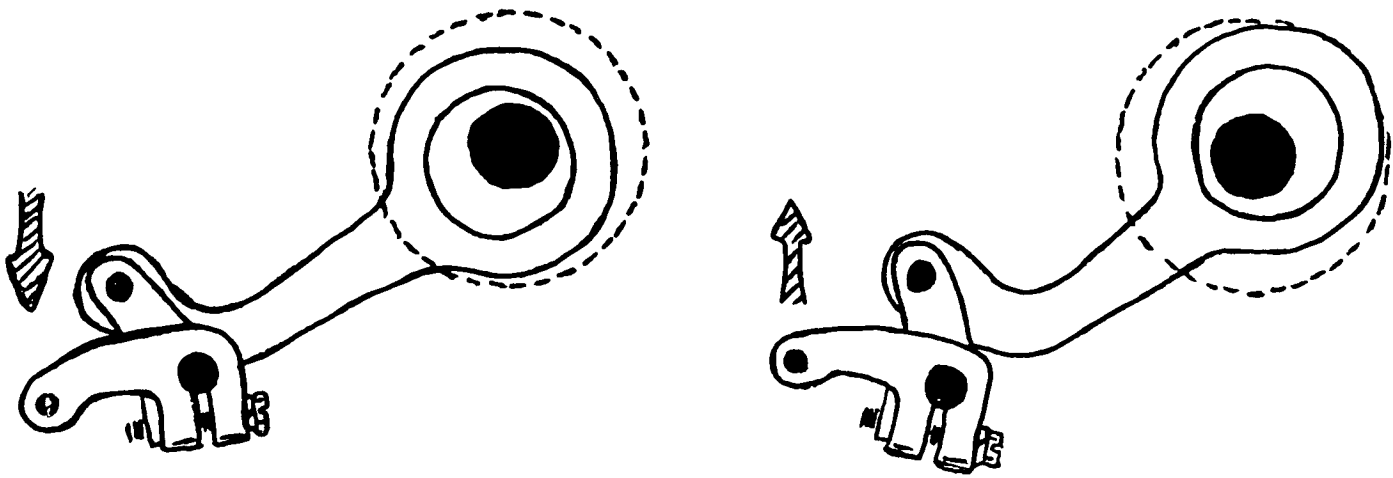
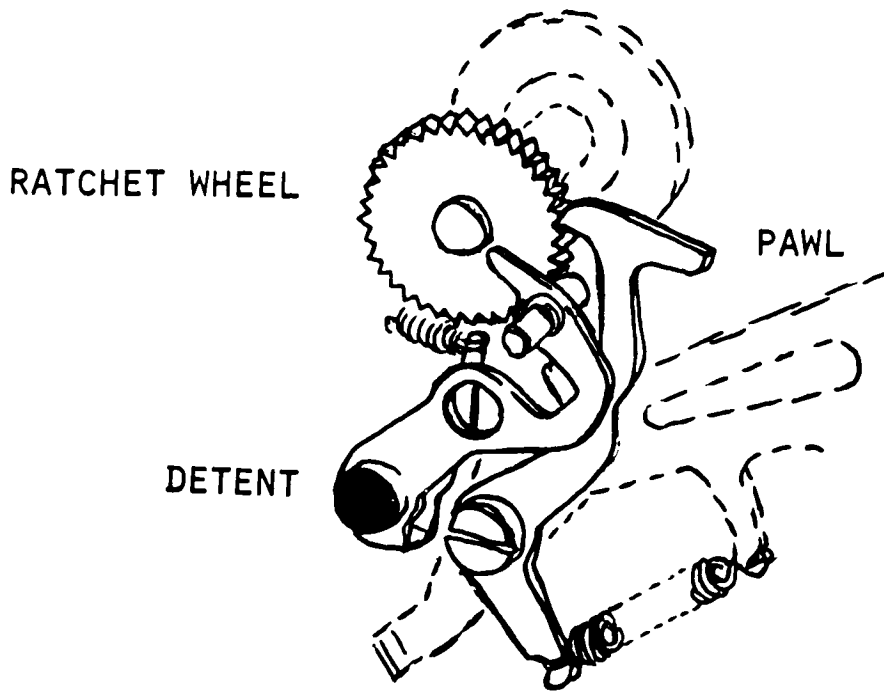
SHOULDER SCREW



ECCENTRIC SCREW

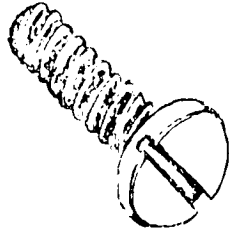


MOD 28 ASR-AN/UGC--6K TERMINOLOGY (#3)

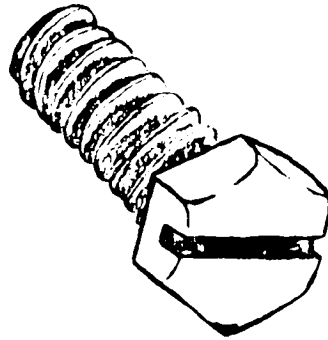


ECCENTRIC AND FOLLOWER

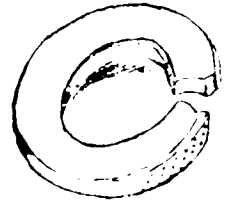
MOD 28 ASR-AN/UGC-6K TERMINOLOGY (# 4)



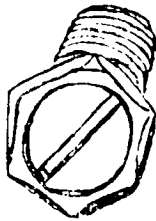
ROUND HEAD SCREW



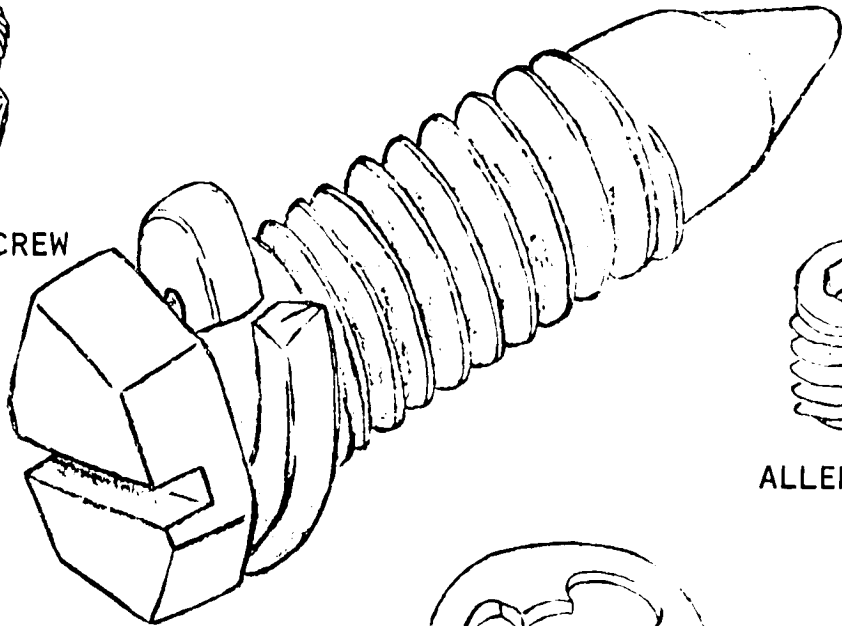
HEXAGON HEAD SCREW



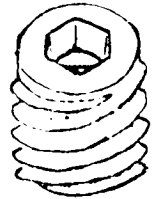
LOCK WASHER



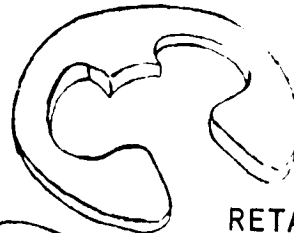
HEXAGON HEAD SCREW



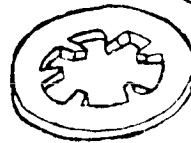
PILOT SCREW



ALLEN SCREW

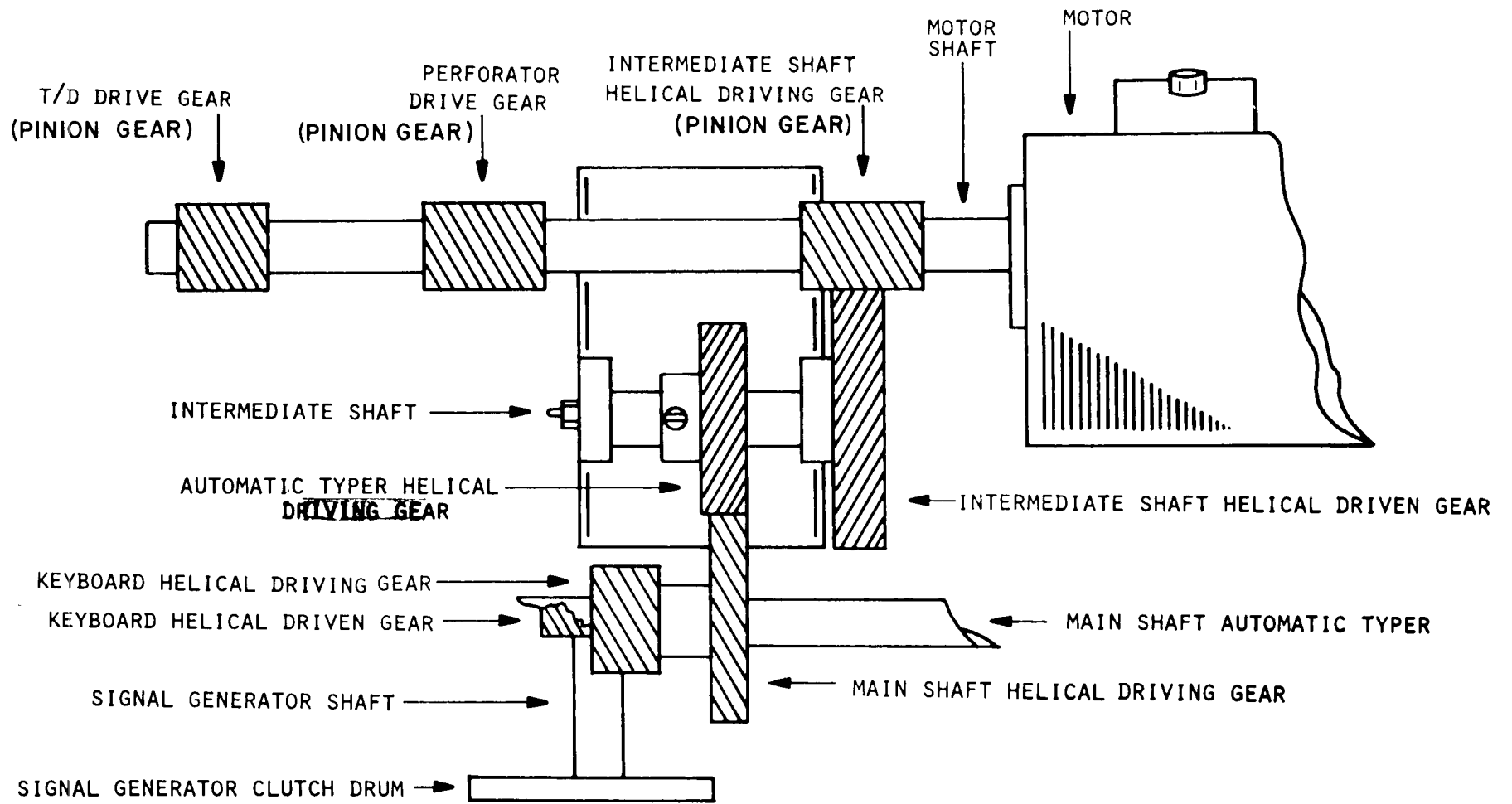


RETAINER RING
(C CLAMP)

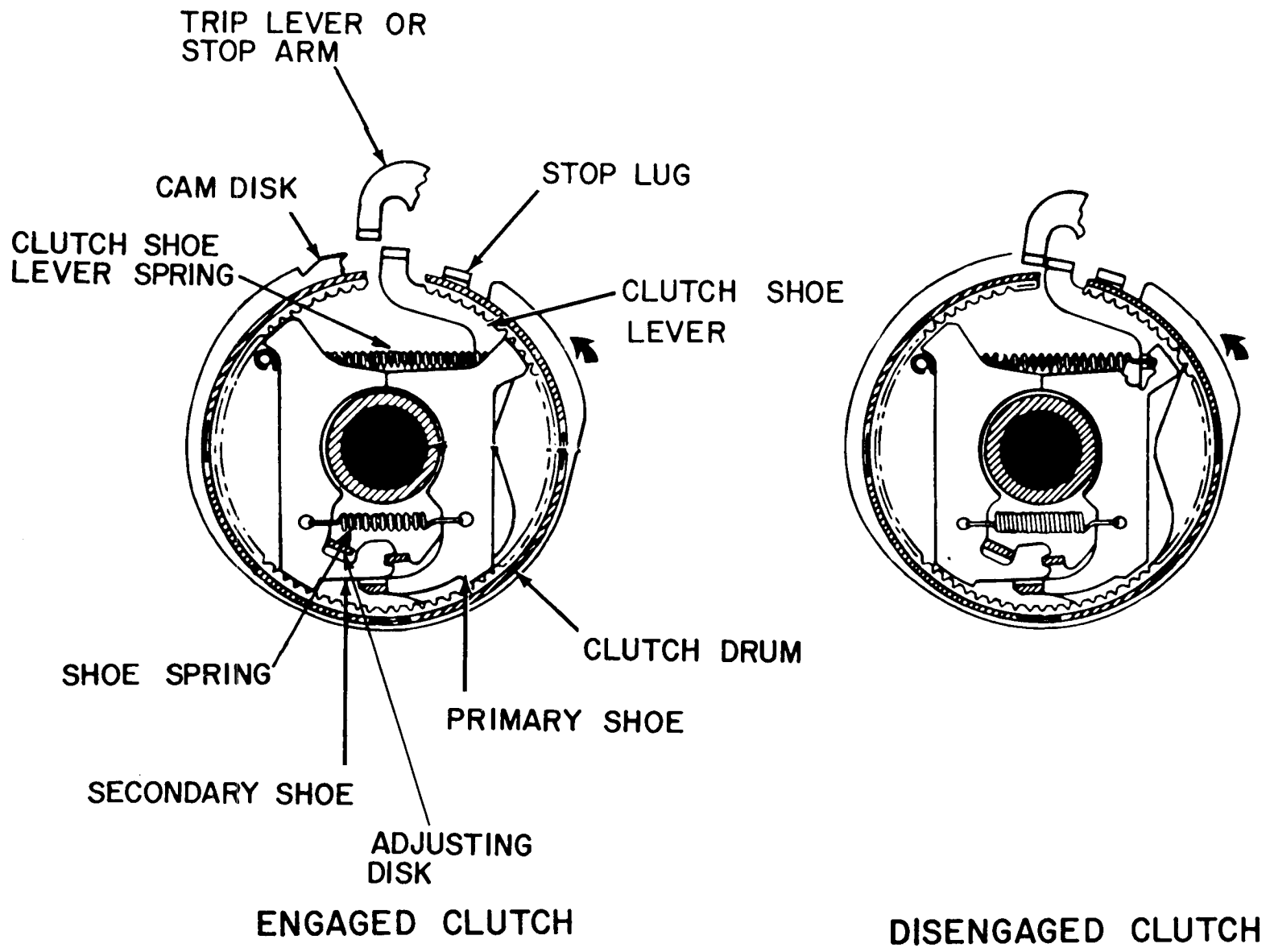


LOCK WASHER
(STAR)

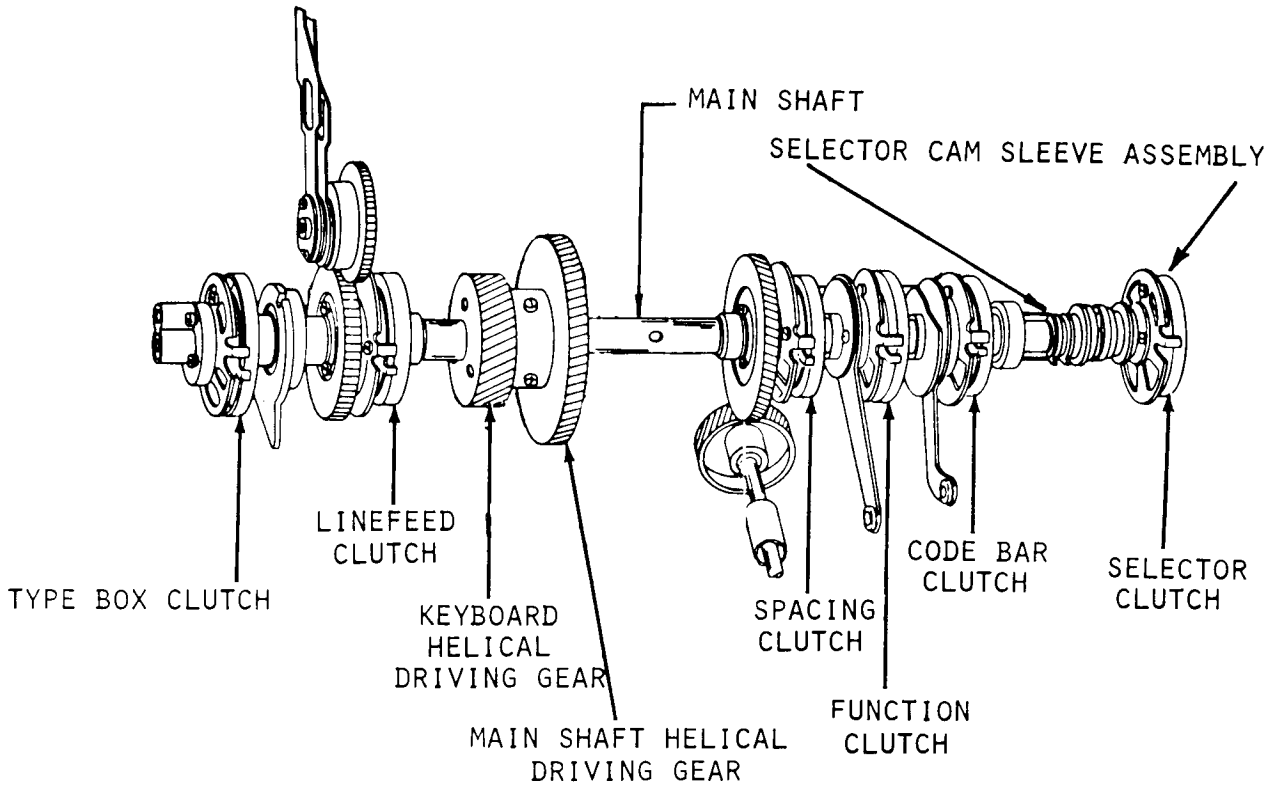
MOD 28 ASR-AN/UGC-6K TERMINOLOGY (#5)



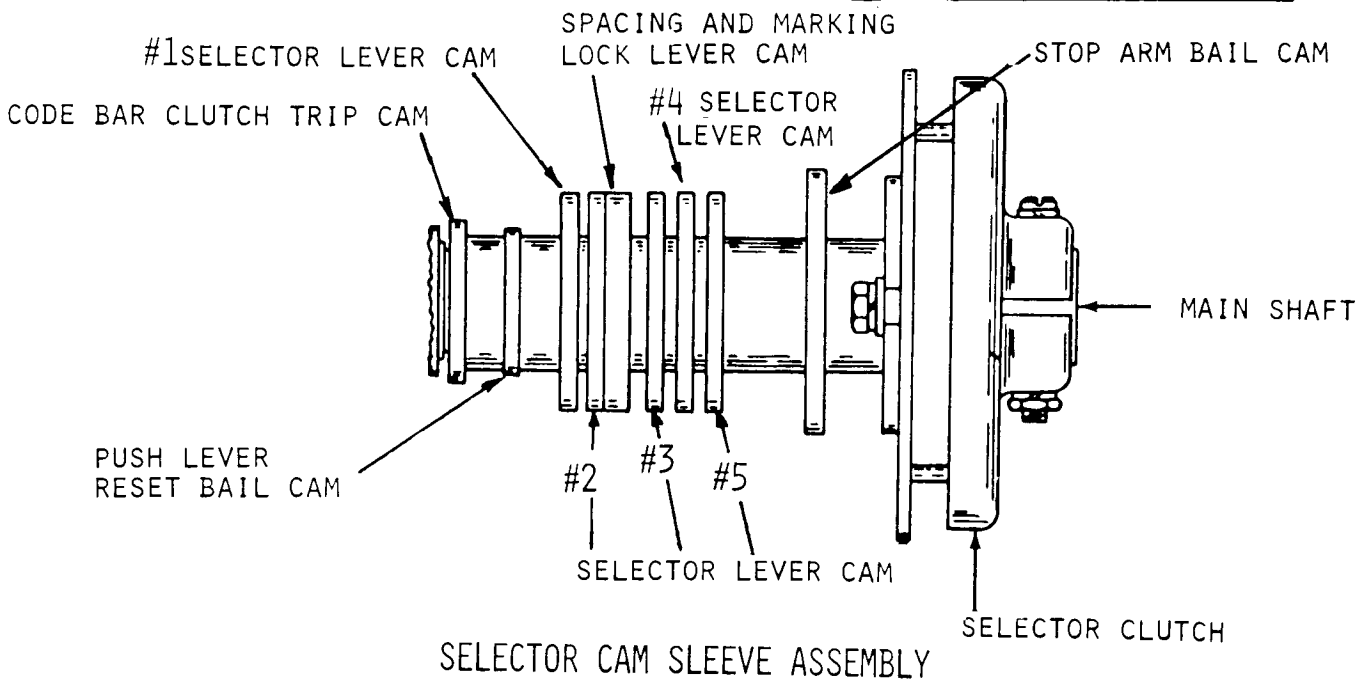
MOD 28 ASR-AN/UGC-6K GEAR POWER TRAIN



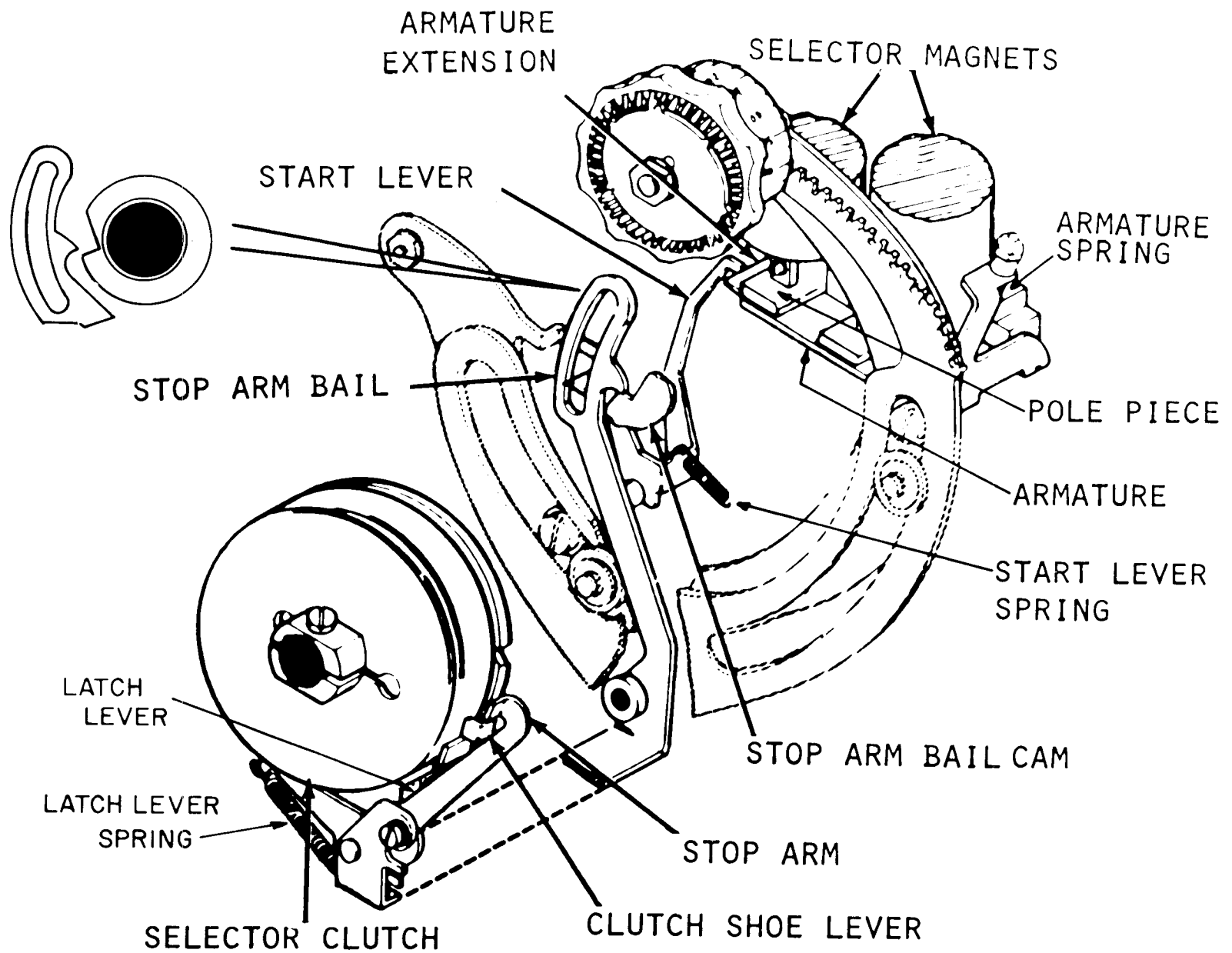
MOD 28 ASR-AN/UGC-6K INTERNAL EXPANSION CLUTCH



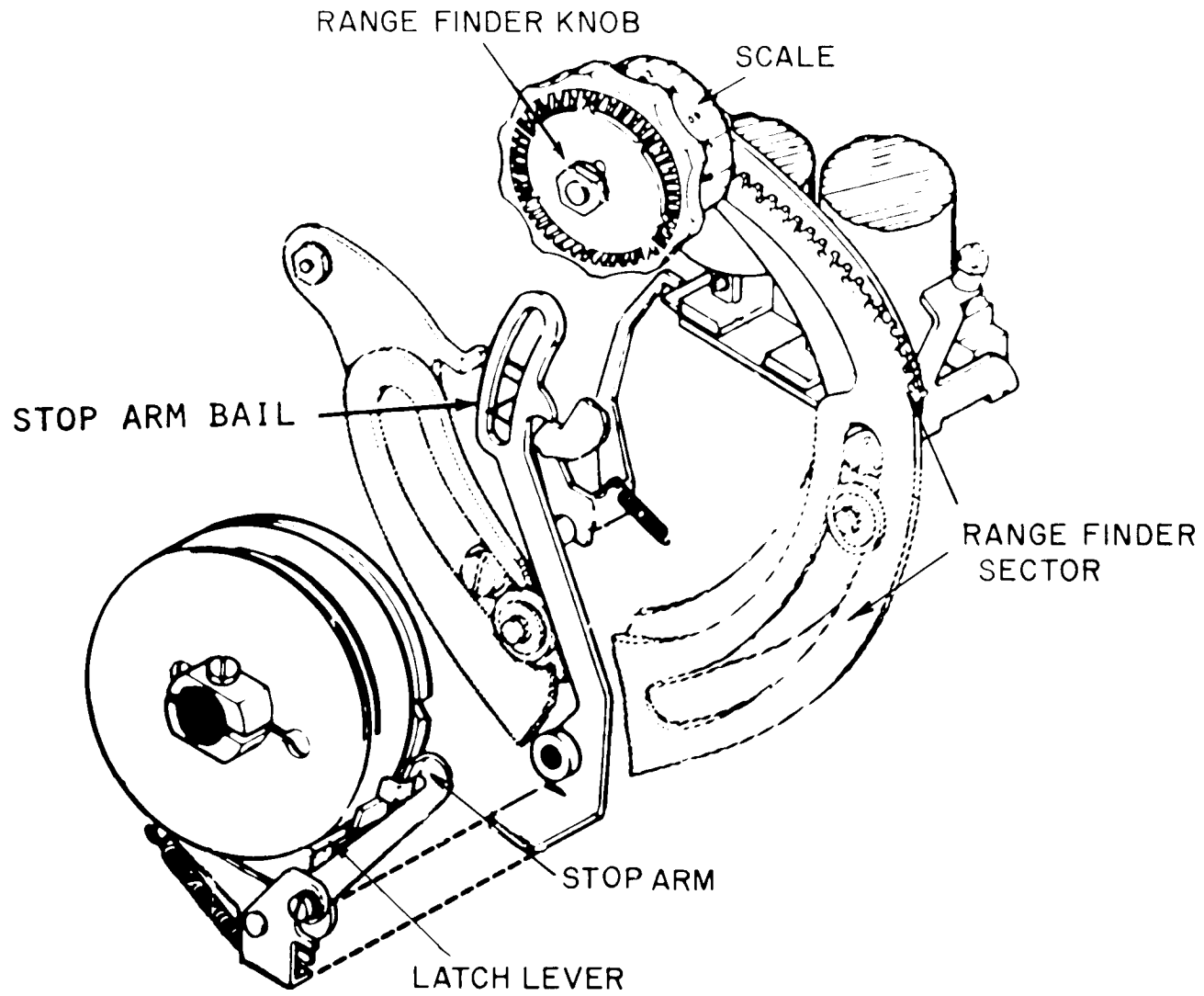
MAIN SHAFT



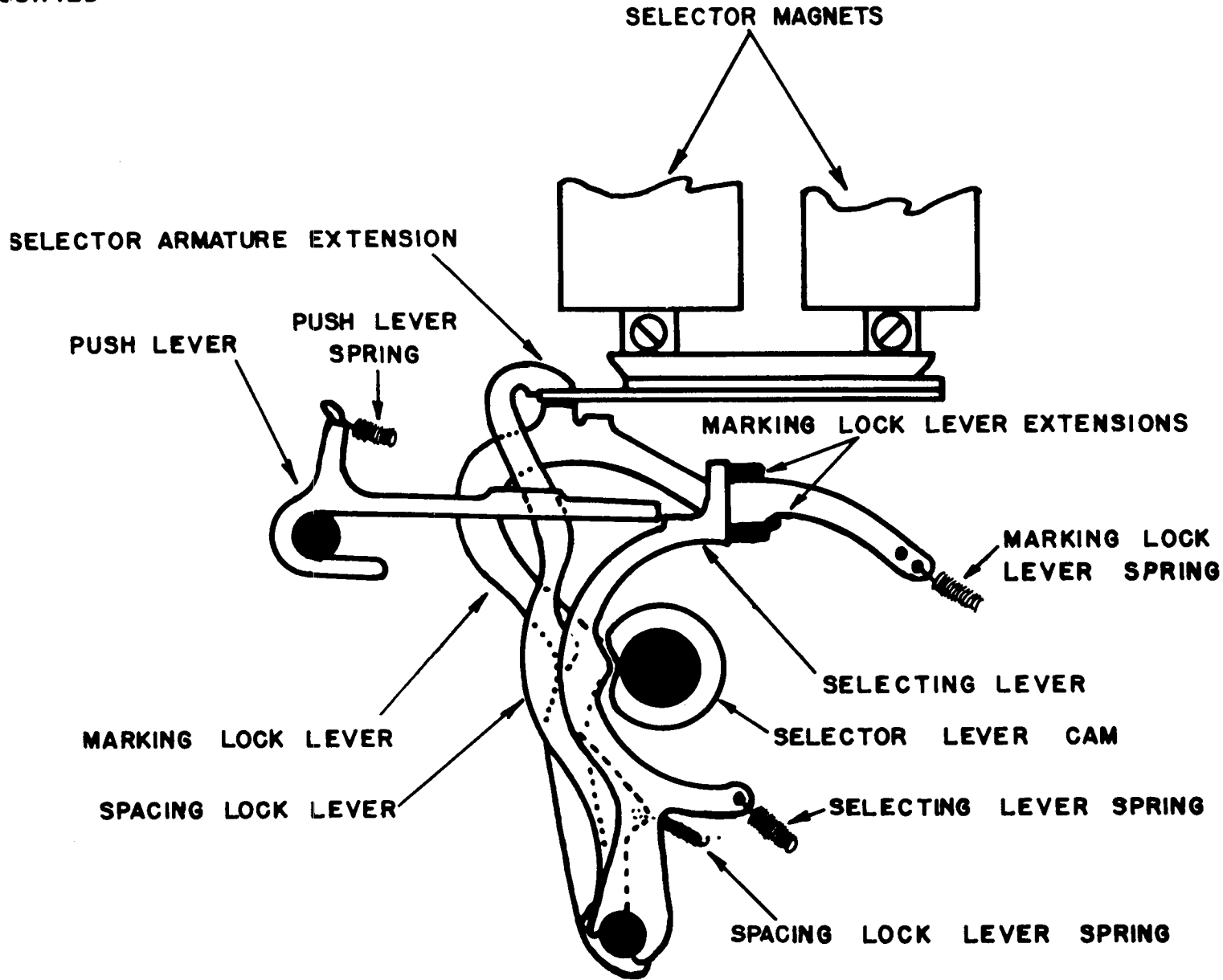
MOD 28 ASR -AN/UGC-6K MAIN SHAFT AND SELECTOR CAM SLEEVE ASSEMBLY



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

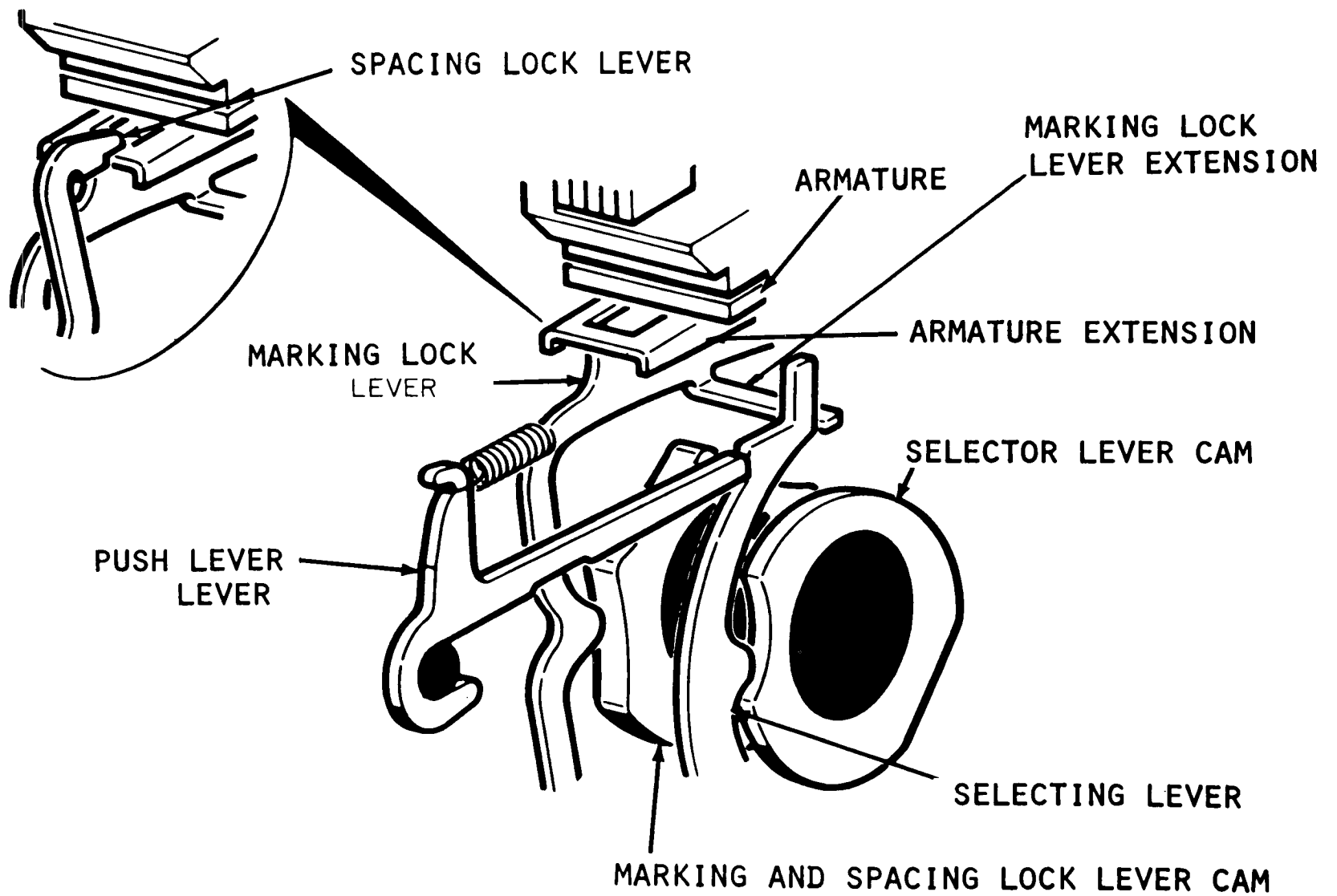


MOD 28 ASR/UGC-6K RANGE FINDER OPERATION (RIGHT VIEW)



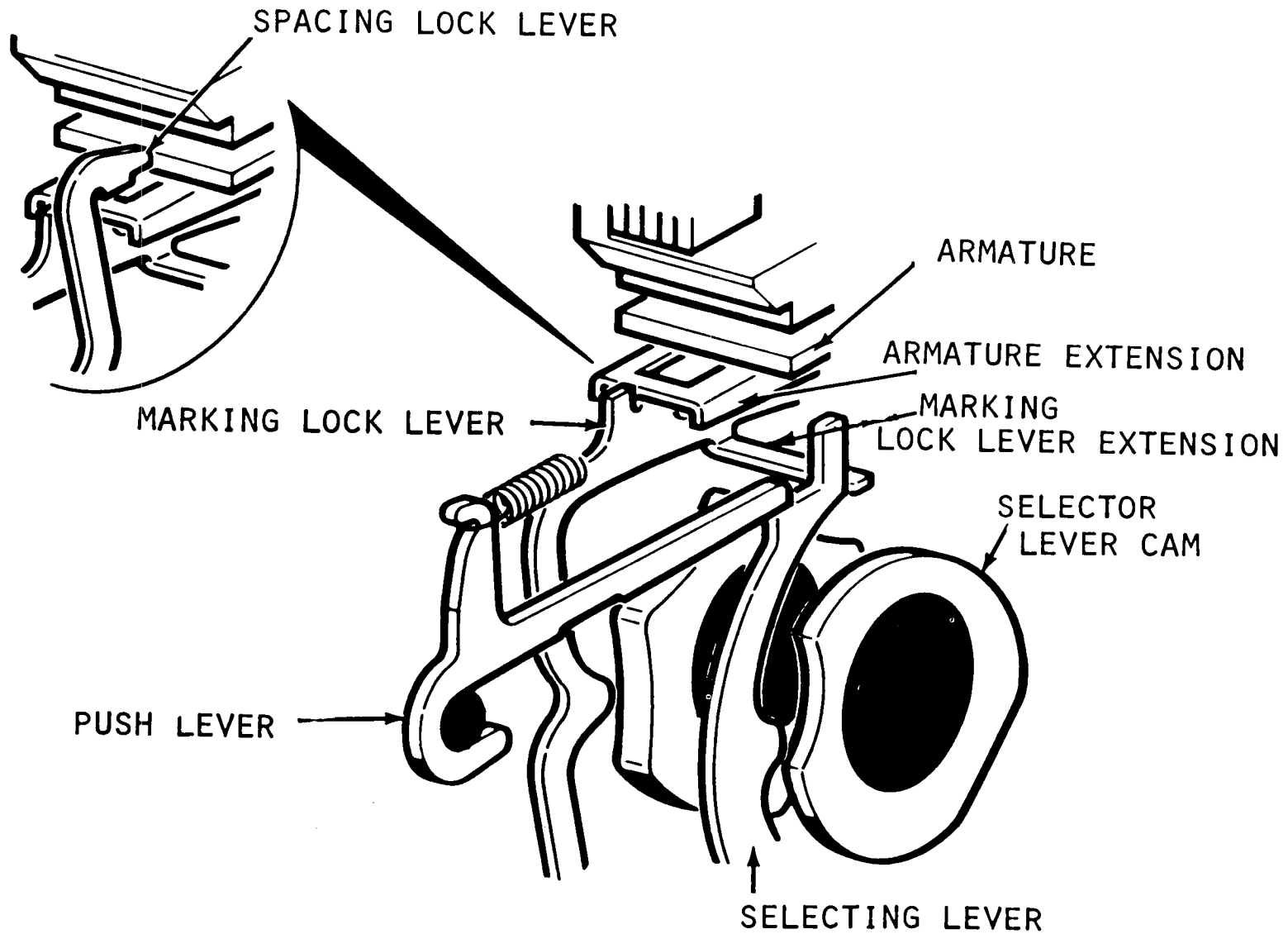
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MOD 28 ASR-AN/UGC-6K SELECTING MECHANISM (RIGHT VIEW)



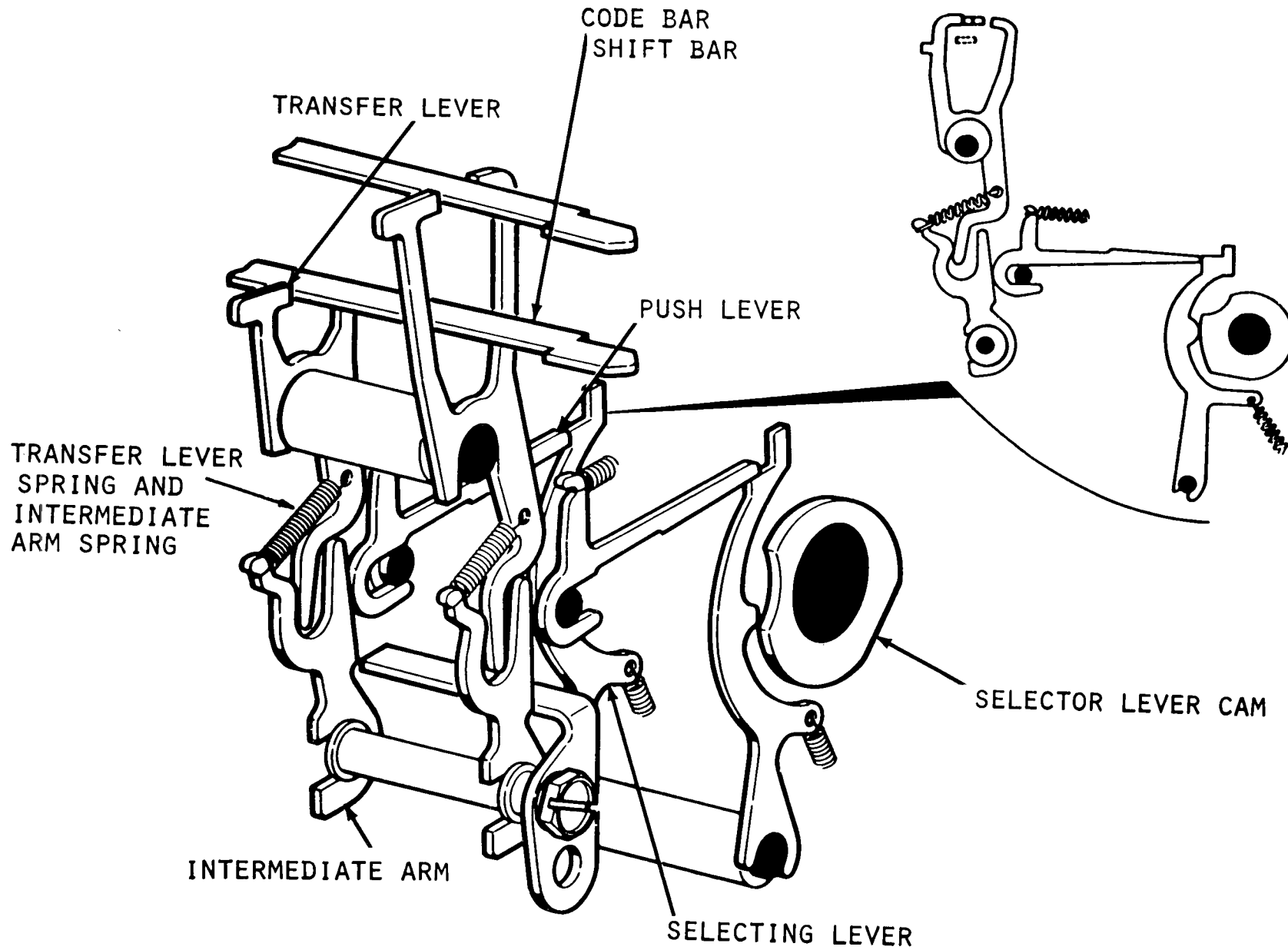
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MOD 28 ASR -AN/UGC-6K SELECTION (MARKING) (RIGHT VIEW)

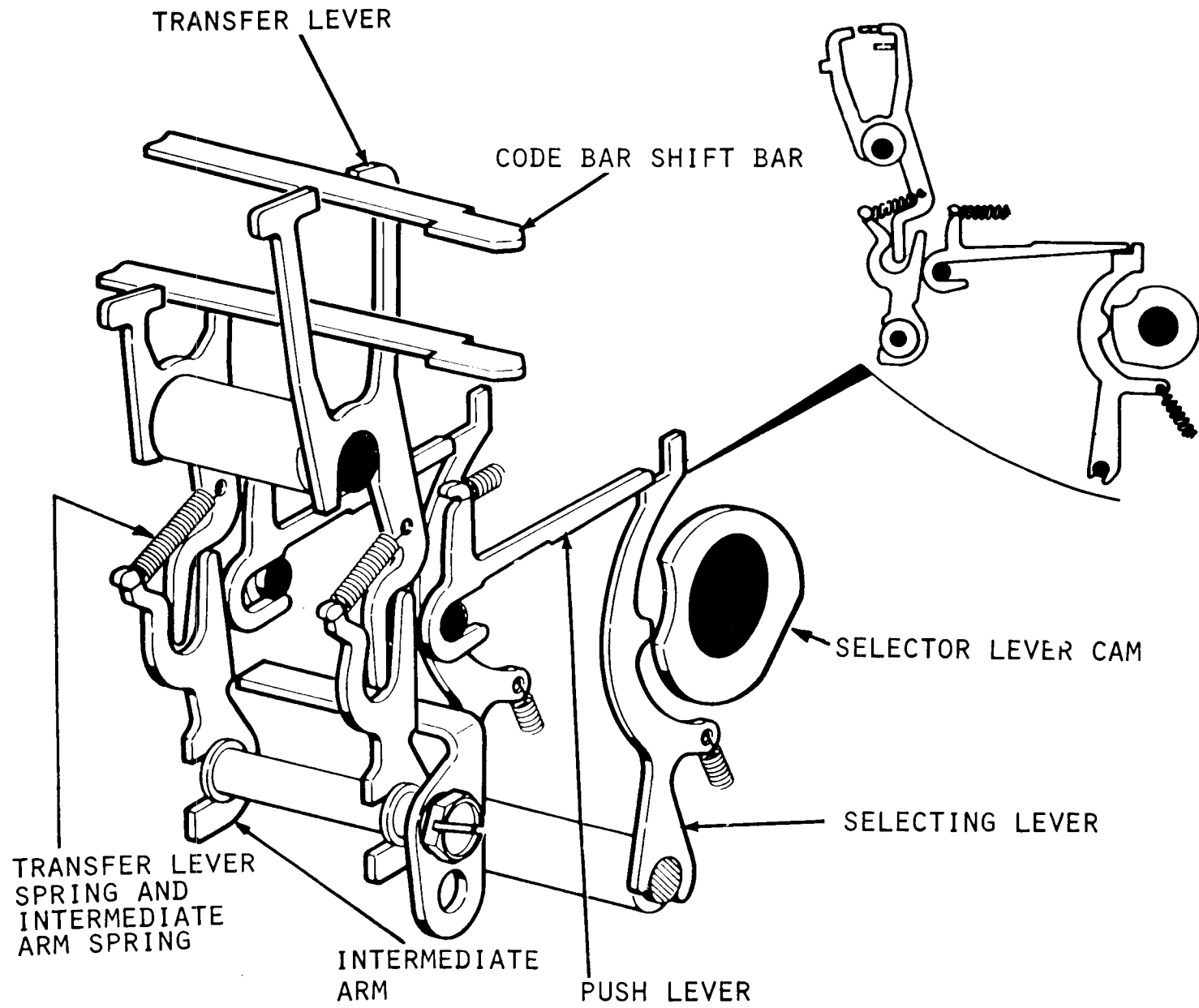


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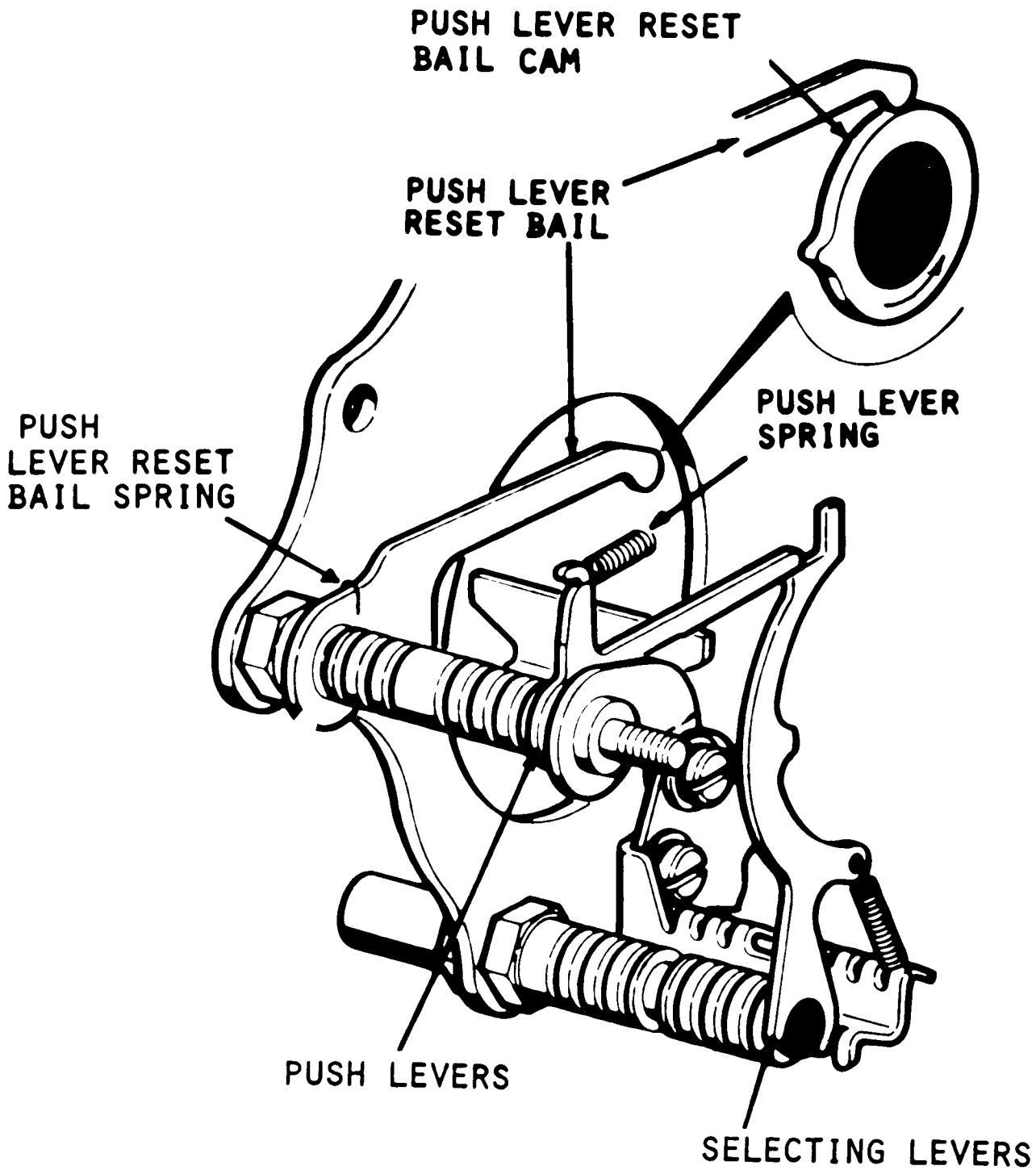
MOD 28 ASR-AN/UGC-6K SELECTION (SPACING, RIGHT VIEW)



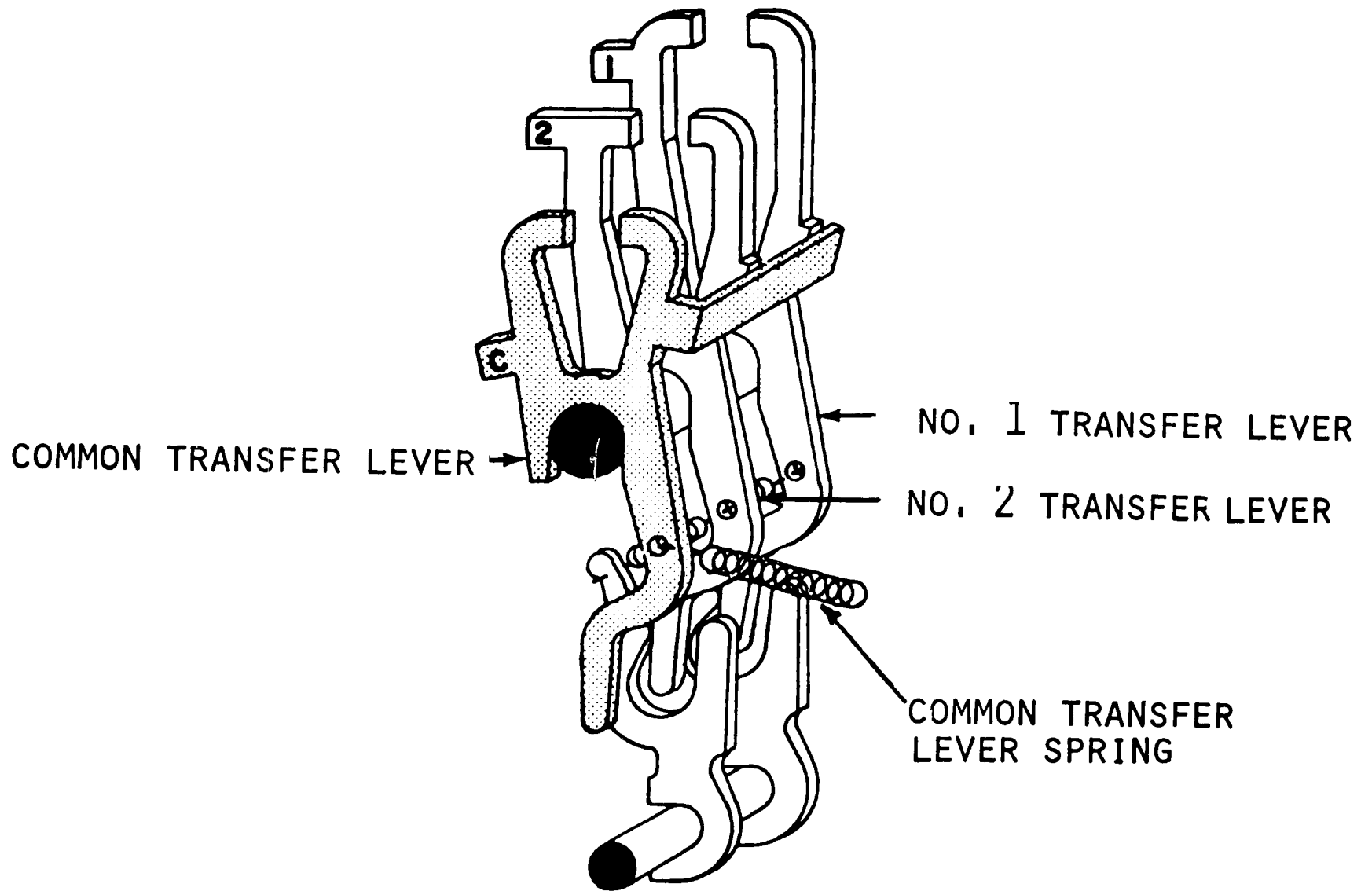
MOD 28 ASR-AN/UGC-6K TRANSFER MECHANISM (MARKING, RIGHT VIEW)



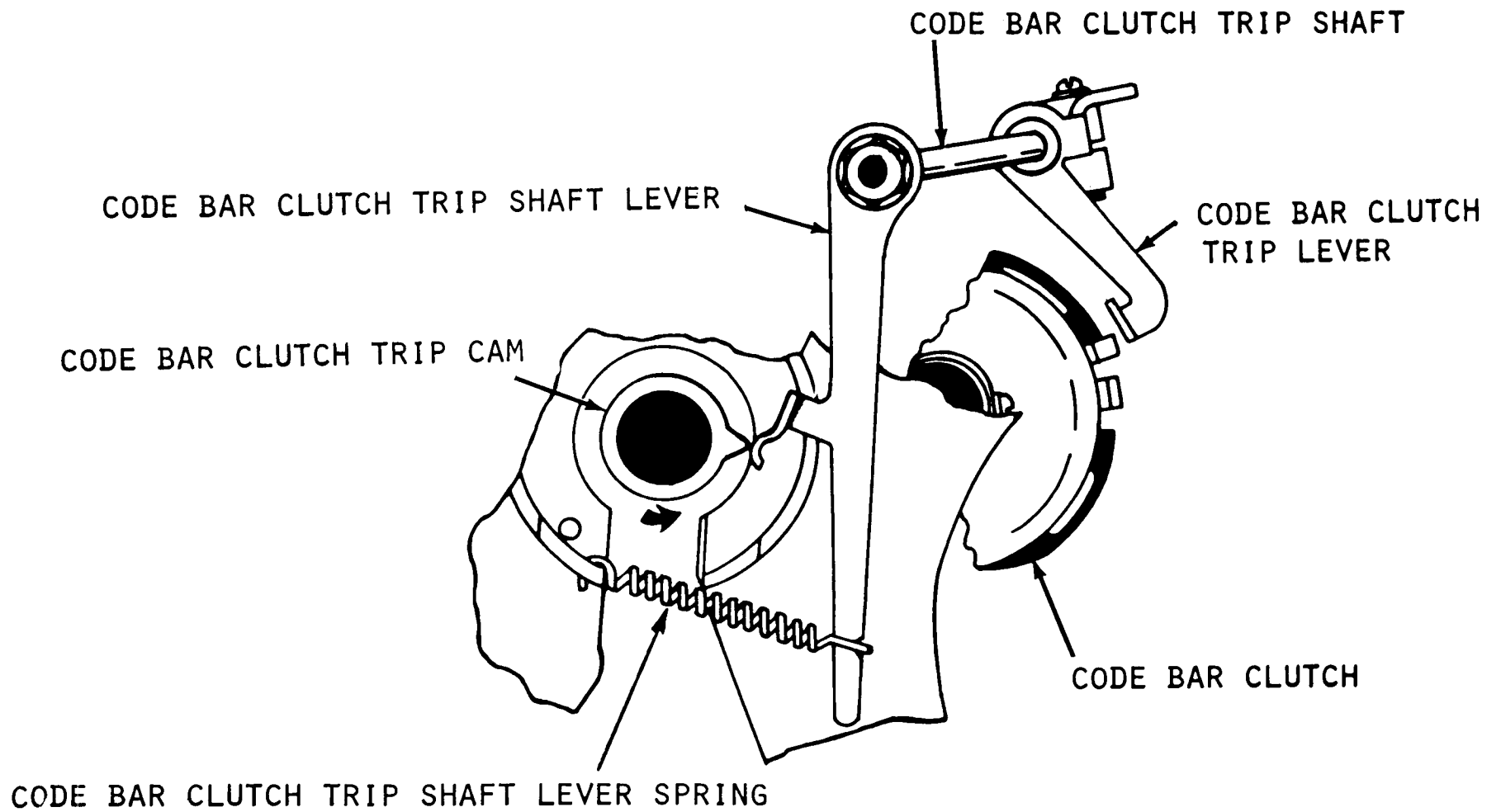
MOD 28 ASR-AN/UGC-6K TRANSFER MECHANISM (SPACING, RIGHT VIEW)



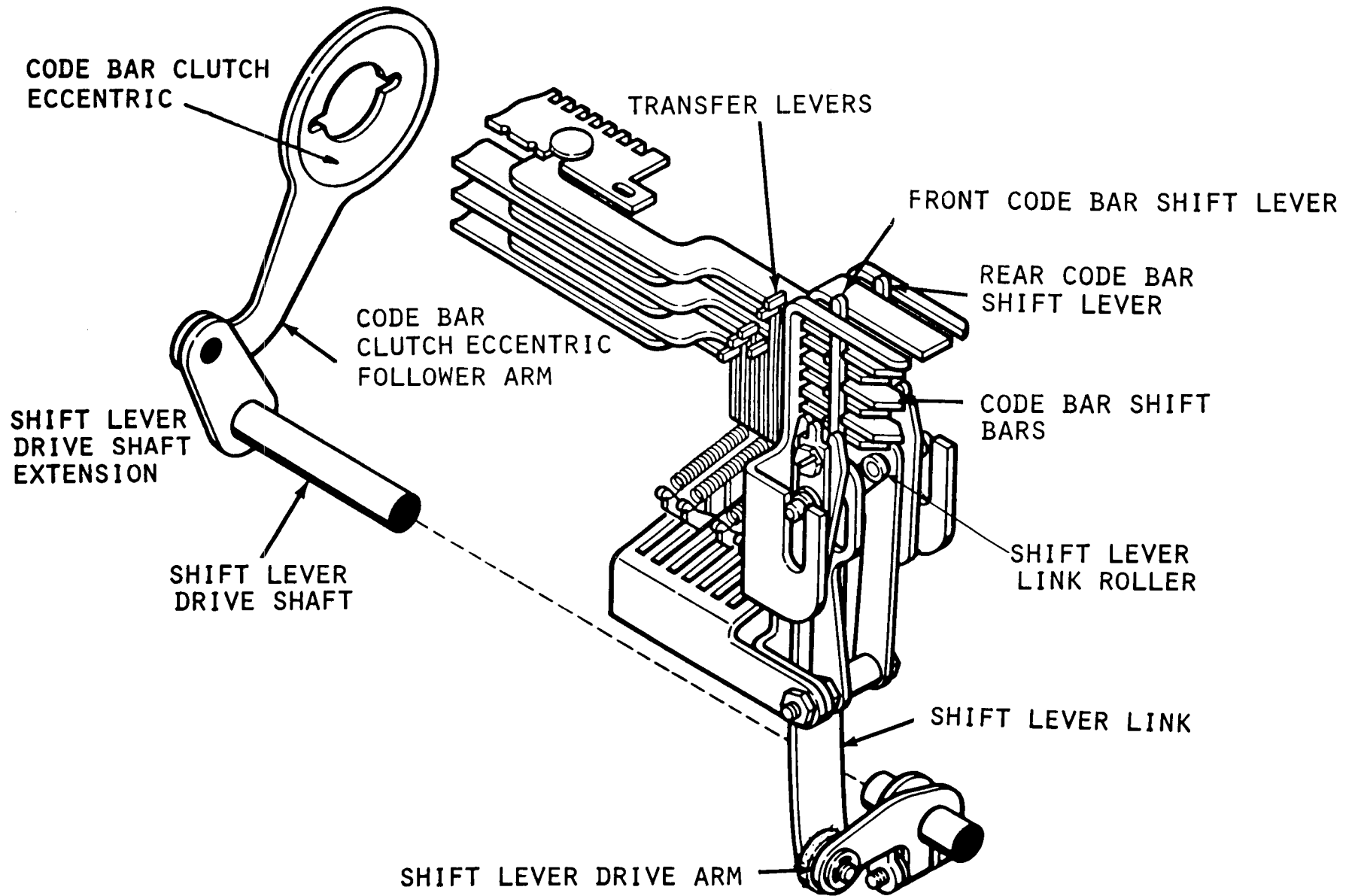
MOD 28 ASR-AN/UGC-6K PUSH LEVER RESET (RIGHT VIEW)



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

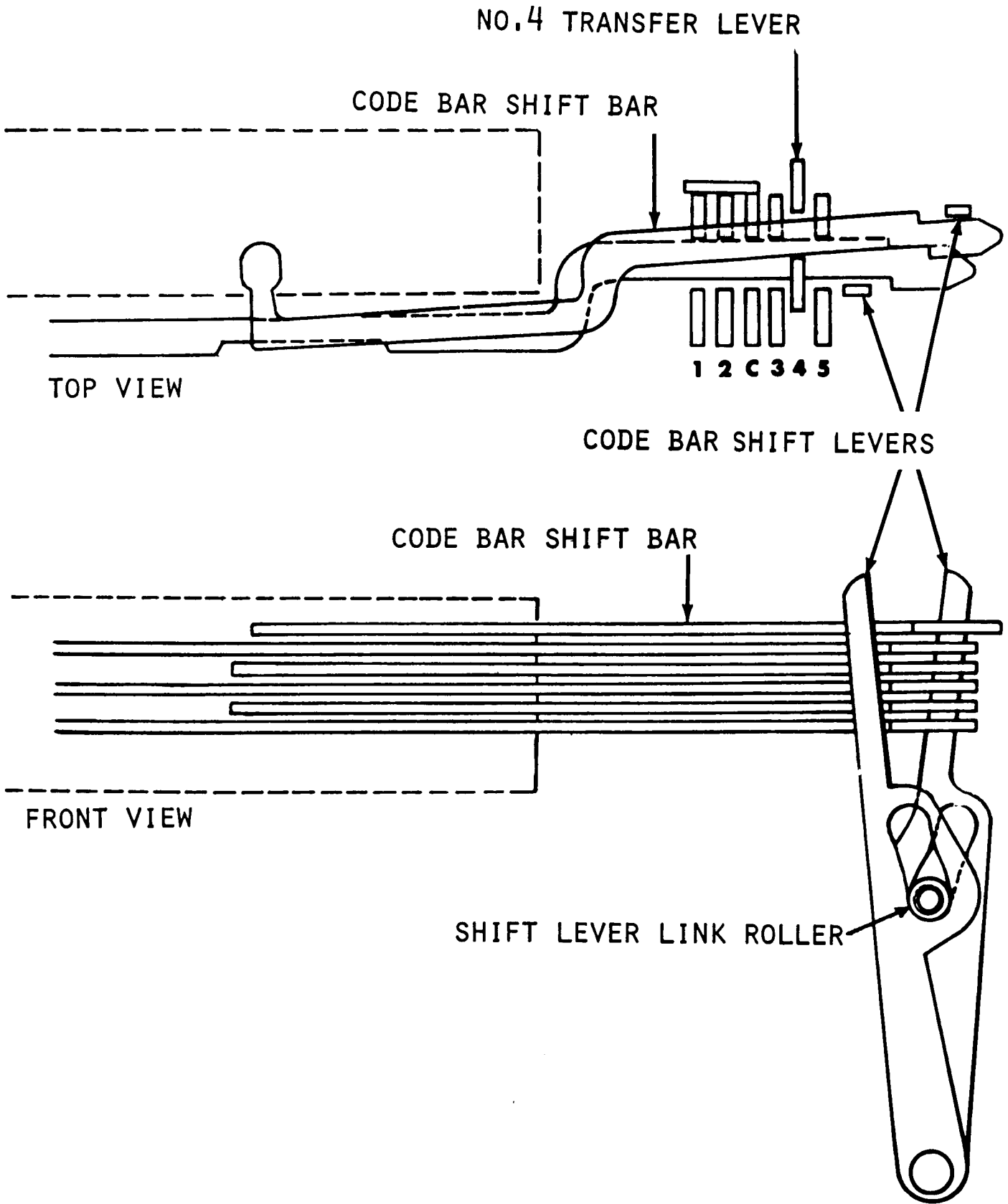


MOD28 MOD 28 ASR-AN/UGC-6K CODE BAR CLUTCH TRIP (RIGHT VIEW)



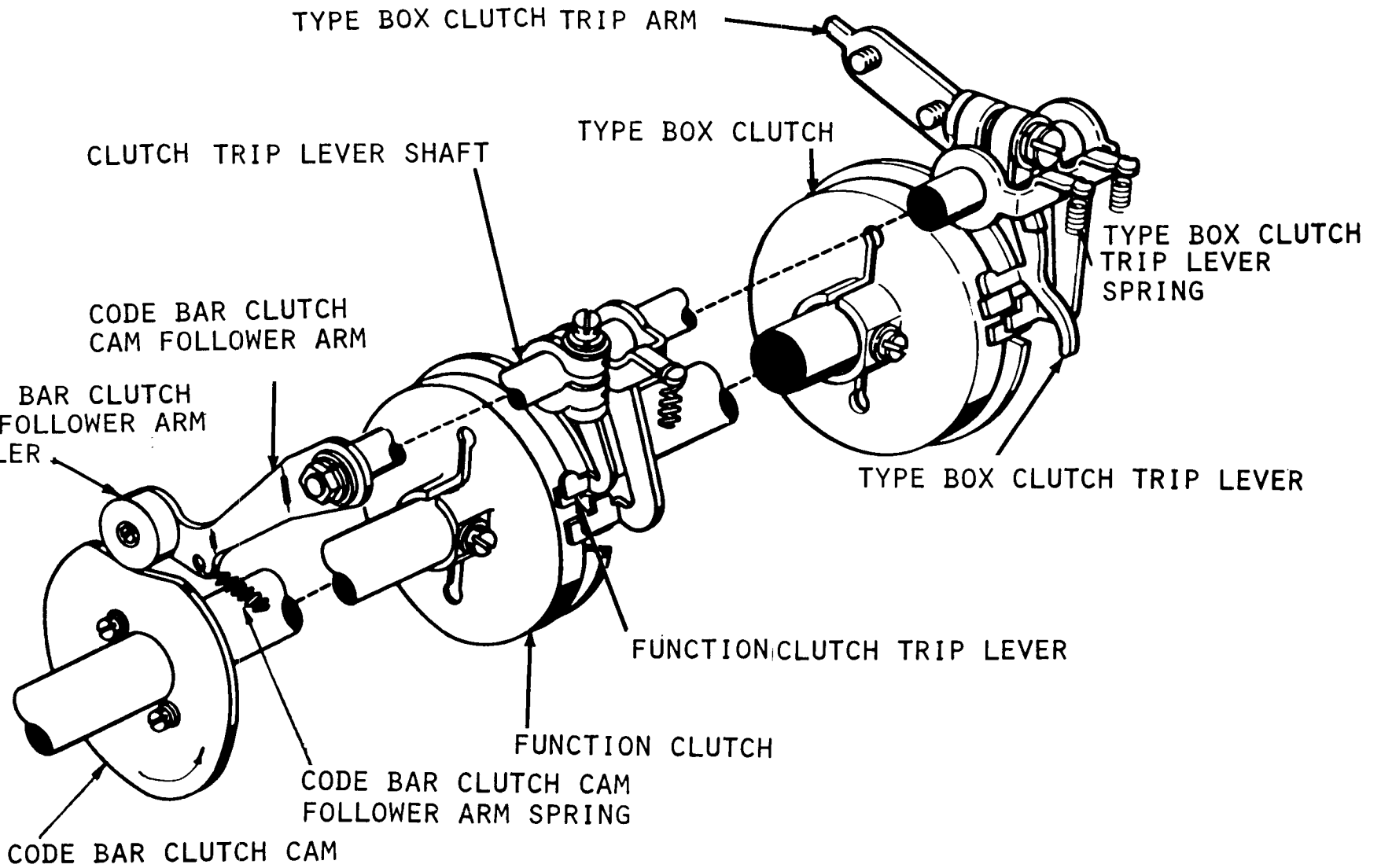
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MOD 28 ASR-AN/UGC-6K CODE BAR SHIFT MECHANISM #1 (RIGHT VIEW)



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

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

LETTERS (HALF)

LEFT (SIDE)

	4 8 5 MARKING	4 5 MARKING	4 5 SPACING	4 8 5 MARKING
TOP ROW	M	N	H	SPACE
	--345	--34-	--3-5	--3--
2ND ROW	X	F	Y	S
	1-345	1-34-	1-3-5	1-3--
3RD ROW	V	C	P	I
	-2345	-234-	-23-5	-23--
BOTTOM ROW	LETTERS	K	Q	U
	12345	1234-	123-5	123--
	3 MARKING			
	4TH ROW	3RD ROW	2ND ROW	1ST ROW

RIGHT (SIDE)

	4 8 5 SPACING	4 5 MARKING	4 5 SPACING	4 8 5 MARKING
	BLANK	T	C. R.	O
	---	---	---	---
	E	Z	D	B
	1---	1---	1---	1---
	L F	L	R	G
	-2---	-2---	-2---	-2---
	A	W	J	FIGURES
	12---	12---	12---	12---
	3 SPACING			
	1ST ROW	2ND ROW	3RD ROW	4TH ROW

FIGURES (HALF)

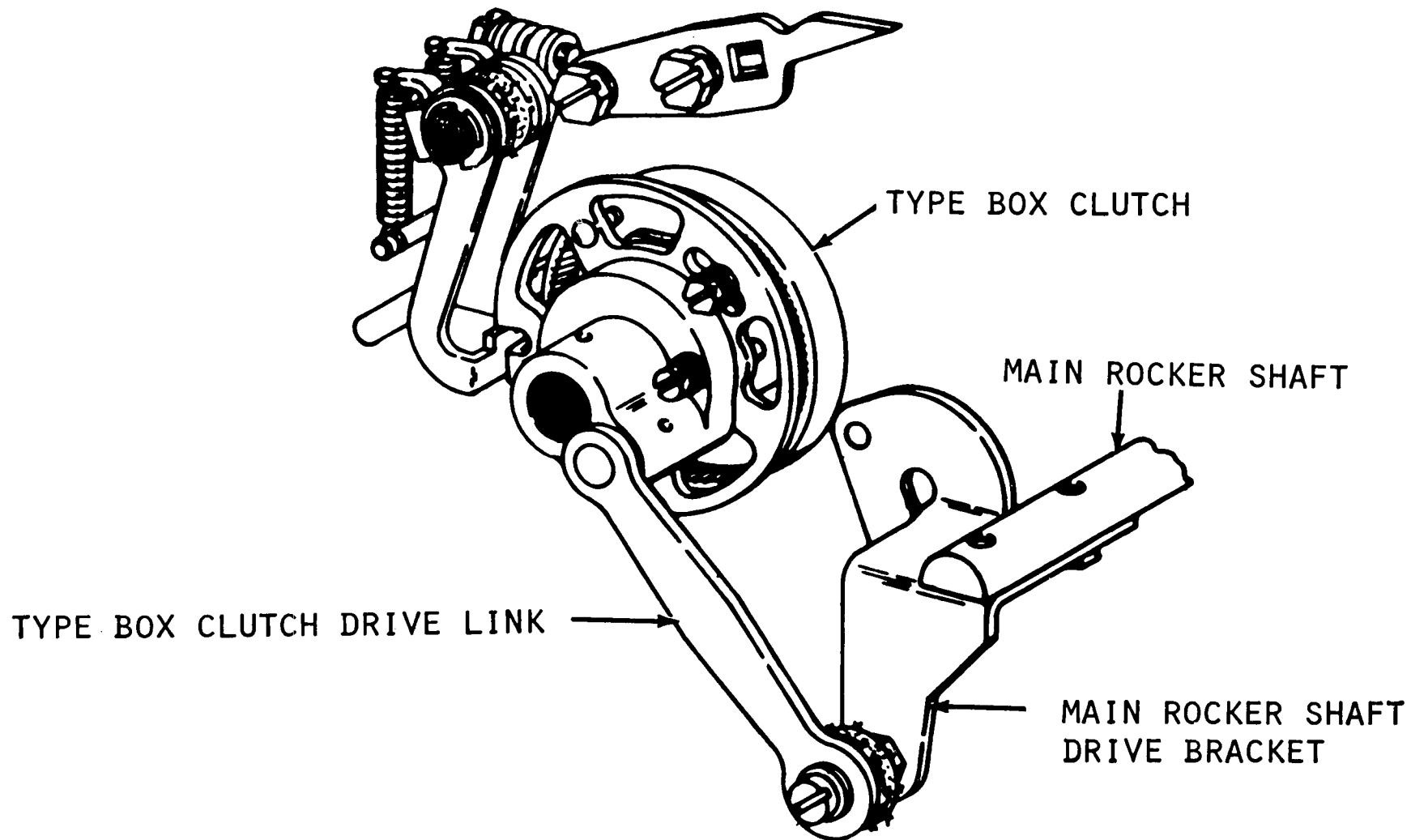
LEFT (SIDE)

	4 8 5 MARKING	4 5 SPACING	4 5 MARKING	4 8 5 SPACING
	.	,		SPACE
	--345	--34-	--3-5	--3--
	/	!	6	BELL
	1-345	1-34-	1-3-5	1-3--
	;	:	ø	8
	-2345	-234-	-23-5	-23--
	LETTERS	(1	7
	12345	1234-	123-5	123--
	3 MARKING			
	4TH ROW	3RD ROW	2ND ROW	1ST ROW

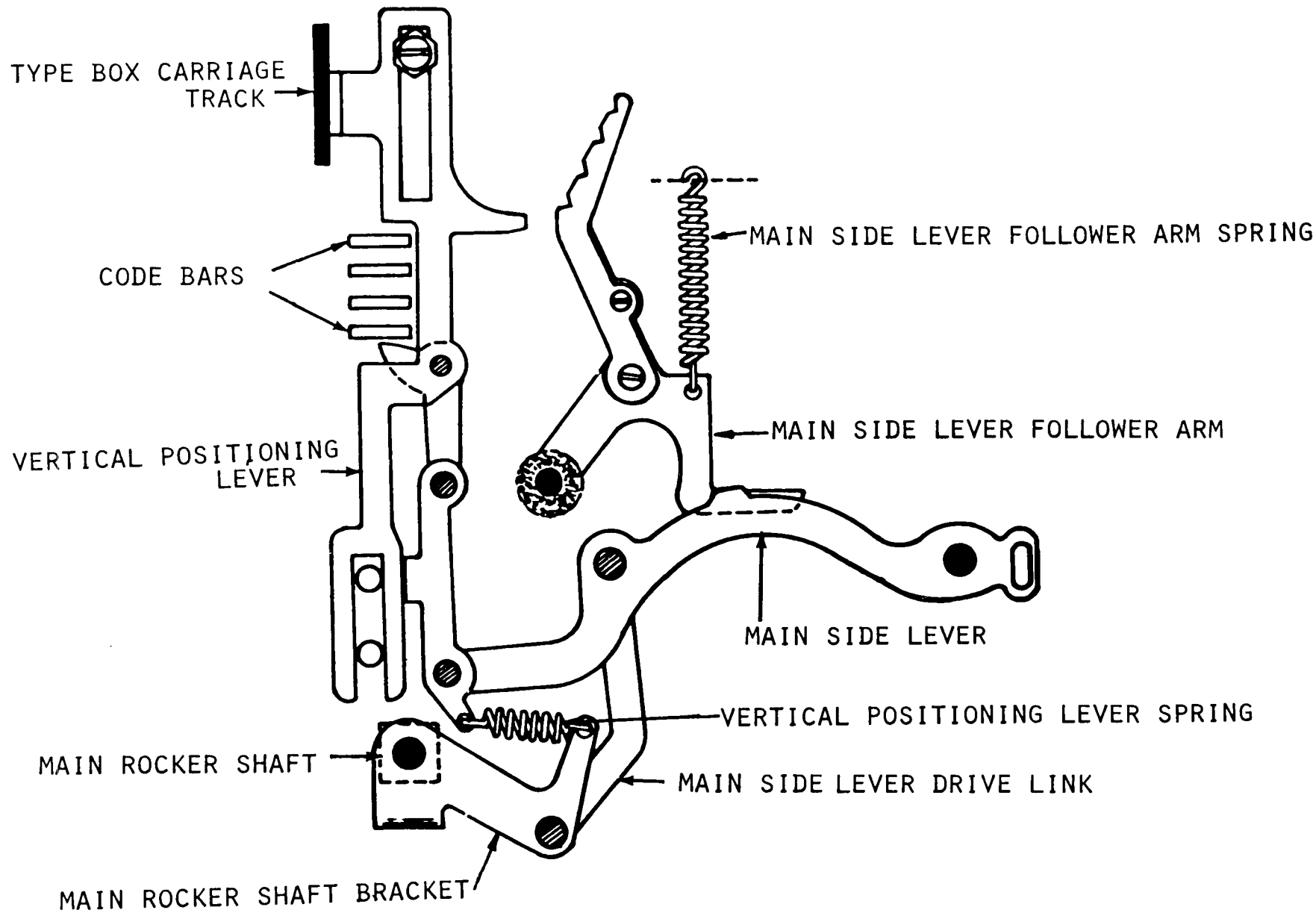
RIGHT (SIDE)

	4 8 5 SPACING	4 5 MARKING	4 5 SPACING	4 8 5 MARKING
	BLANK	5	C. R.	9
	---	---	---	---
	3	"	\$?
	1---	1---	1---	1---
	L. F.)	4	&
	-2---	-2---	-2---	-2---
	-	2	∇	FIGURES
	12---	12---	12---	12---
	3 SPACING			
	1ST ROW	2ND ROW	3RD ROW	4TH ROW

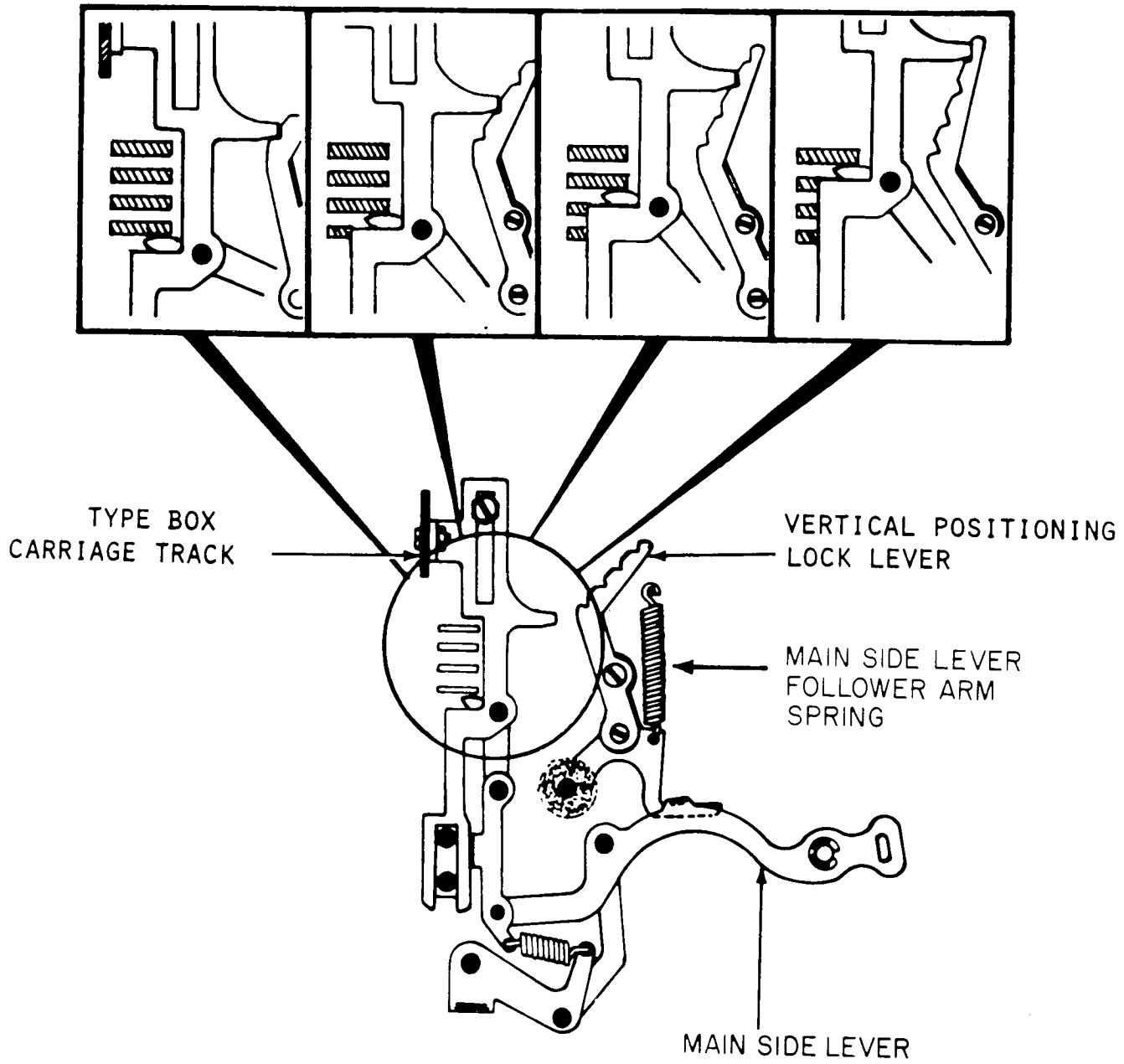
MOD 28 ASR-AN/UGC-6K CONFIGURATION OF THE TYPE BOX



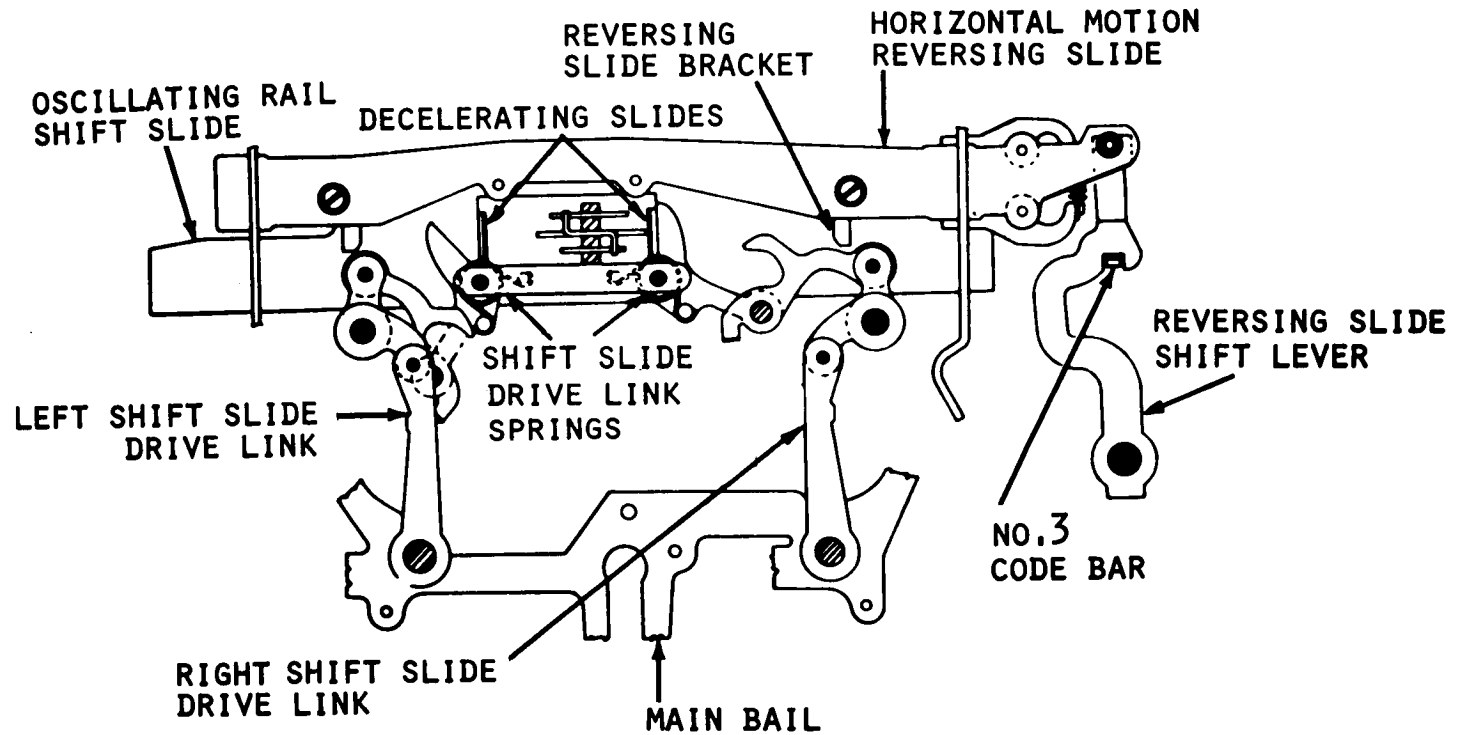
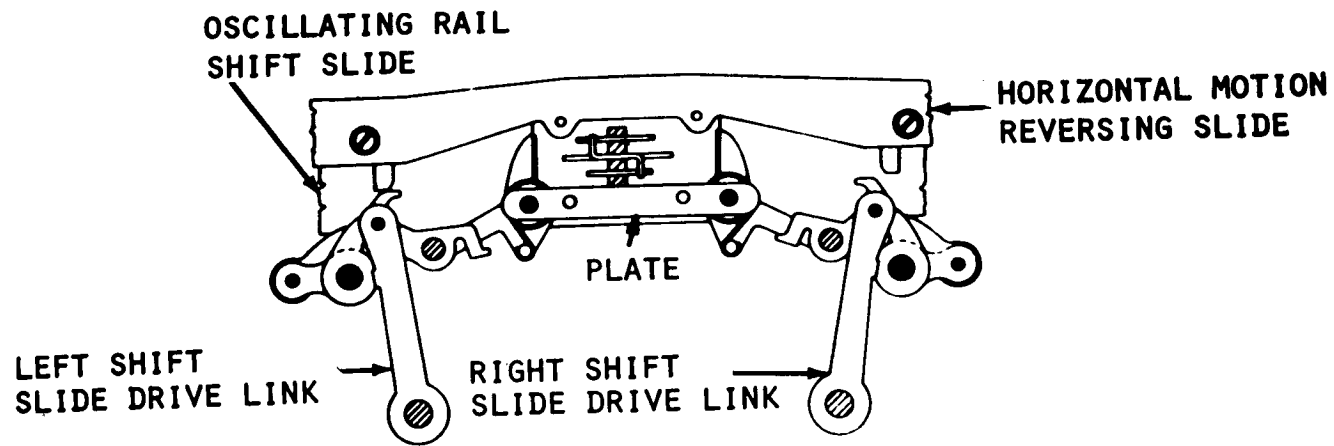
MOD 28 ASR-AN/UGC-6K TYPE BOX CLUTCH (LEFT VIEW)



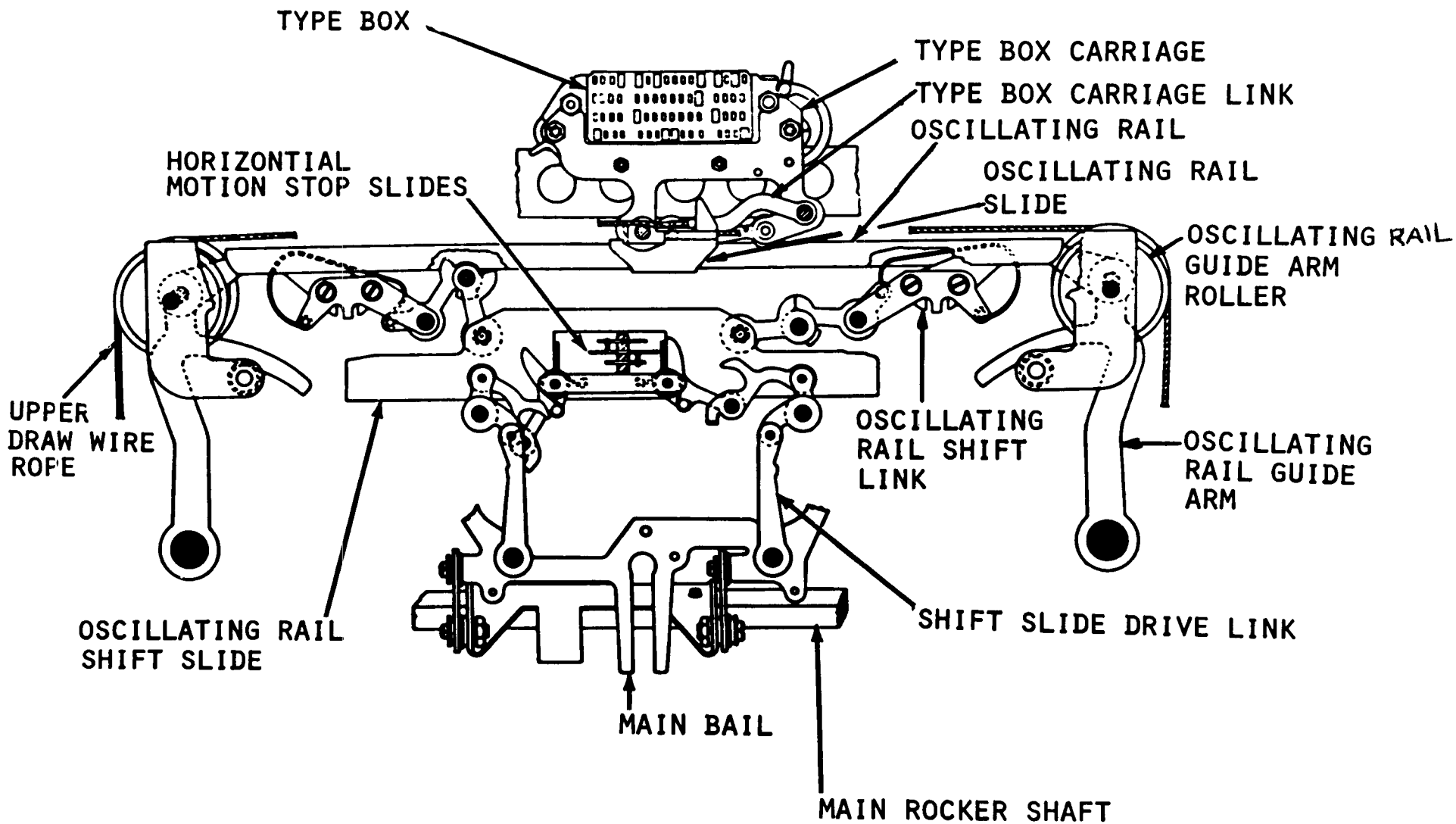
MOD 28 ASR-AN/UGC-6K VERTICAL POSITIONING (RIGHT VIEW)



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



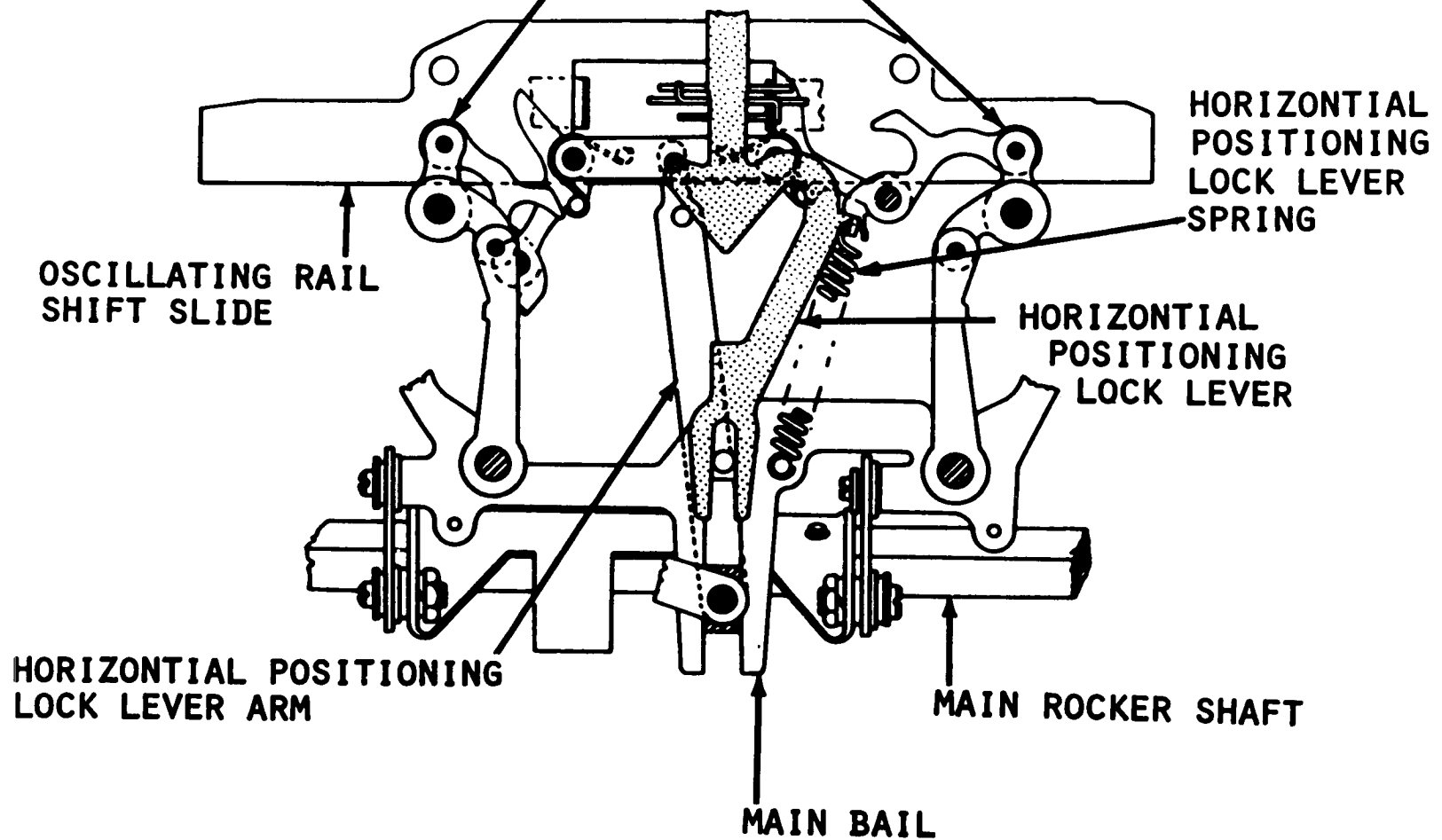
MOD 28 ASR-AN/UGC-6K REVERSING SLIDE



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

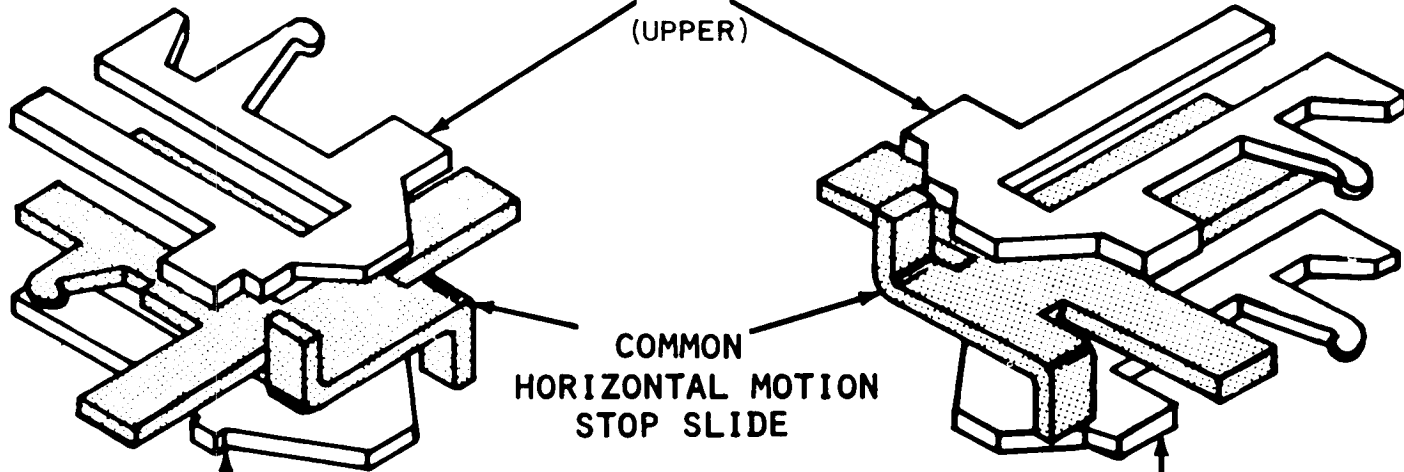
SHIFT SLIDE DRIVE LINK ASSEMBLIES



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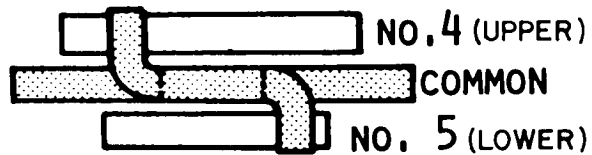
MOD 28 ASR-AN/UGC-6K HORIZONTAL POSITIONING LOCK LEVER

NO. 4 HORIZONTAL MOTION STOP
SLIDE
(UPPER)

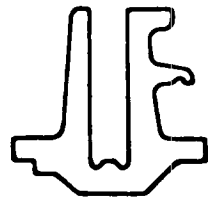


NO. 5 HORIZONTAL
MOTION STOP SLIDE
(LOWER)

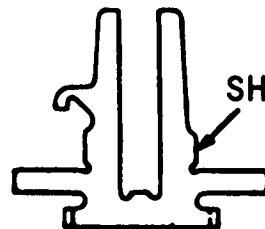
COMMON
HORIZONTAL MOTION
STOP SLIDE



NO. 5 HORIZONTAL
MOTION STOP SLIDE
(LOWER)

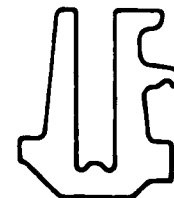


NO. 4 STOP SLIDE
(UPPER)



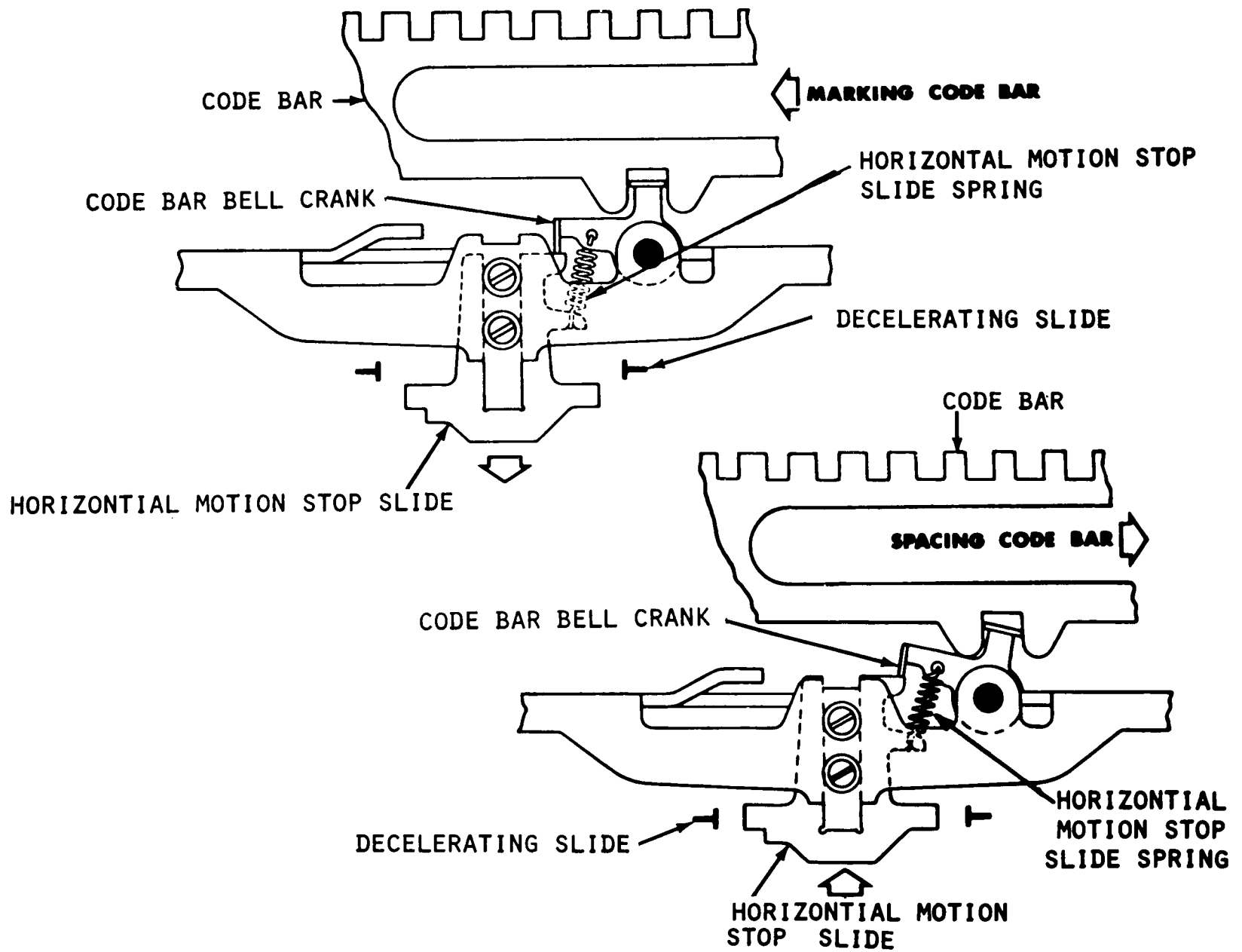
SHANK OF COMMON

COMMON STOP SLIDE



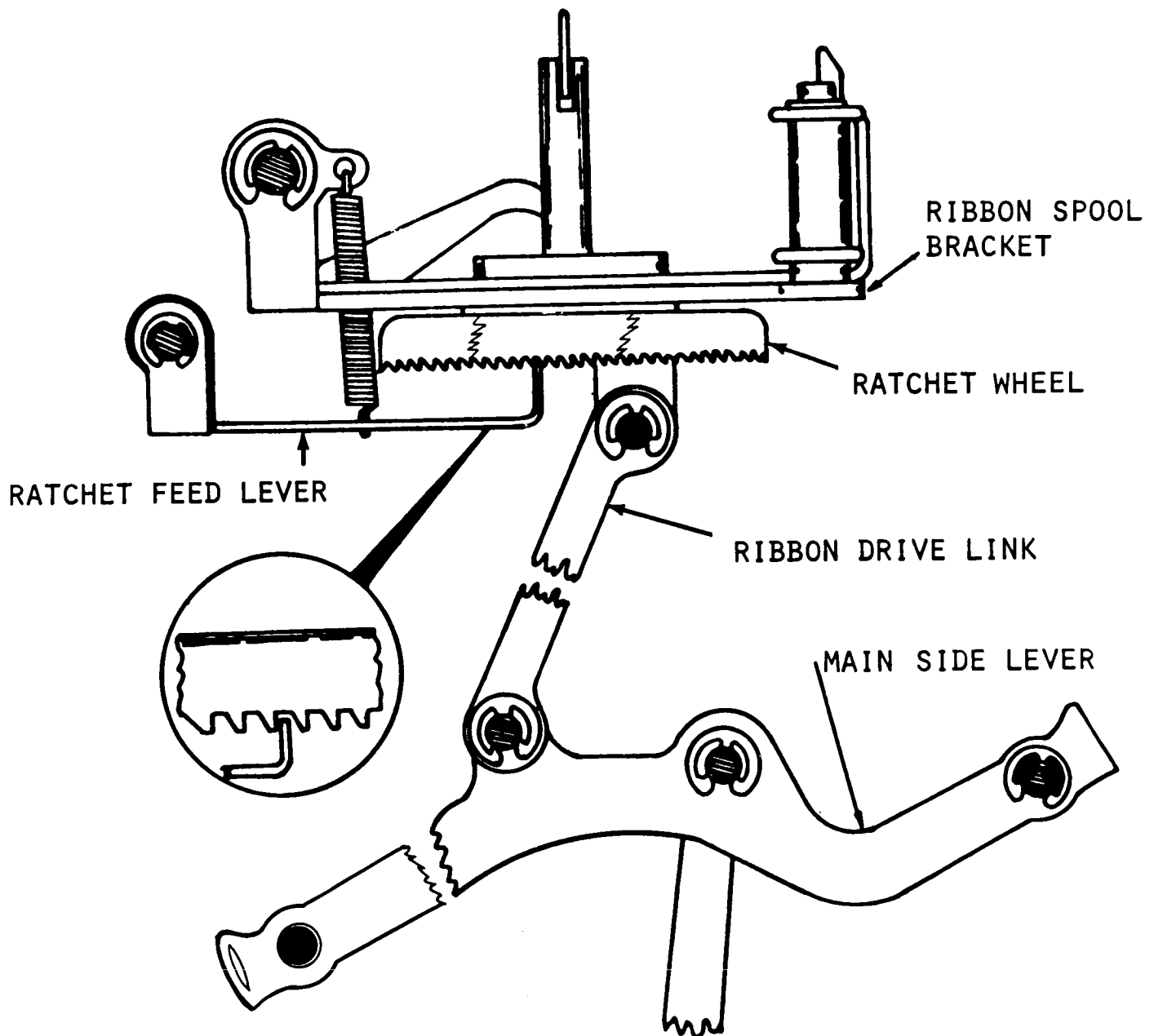
NO. 5 STOP SLIDE
(LOWER)

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

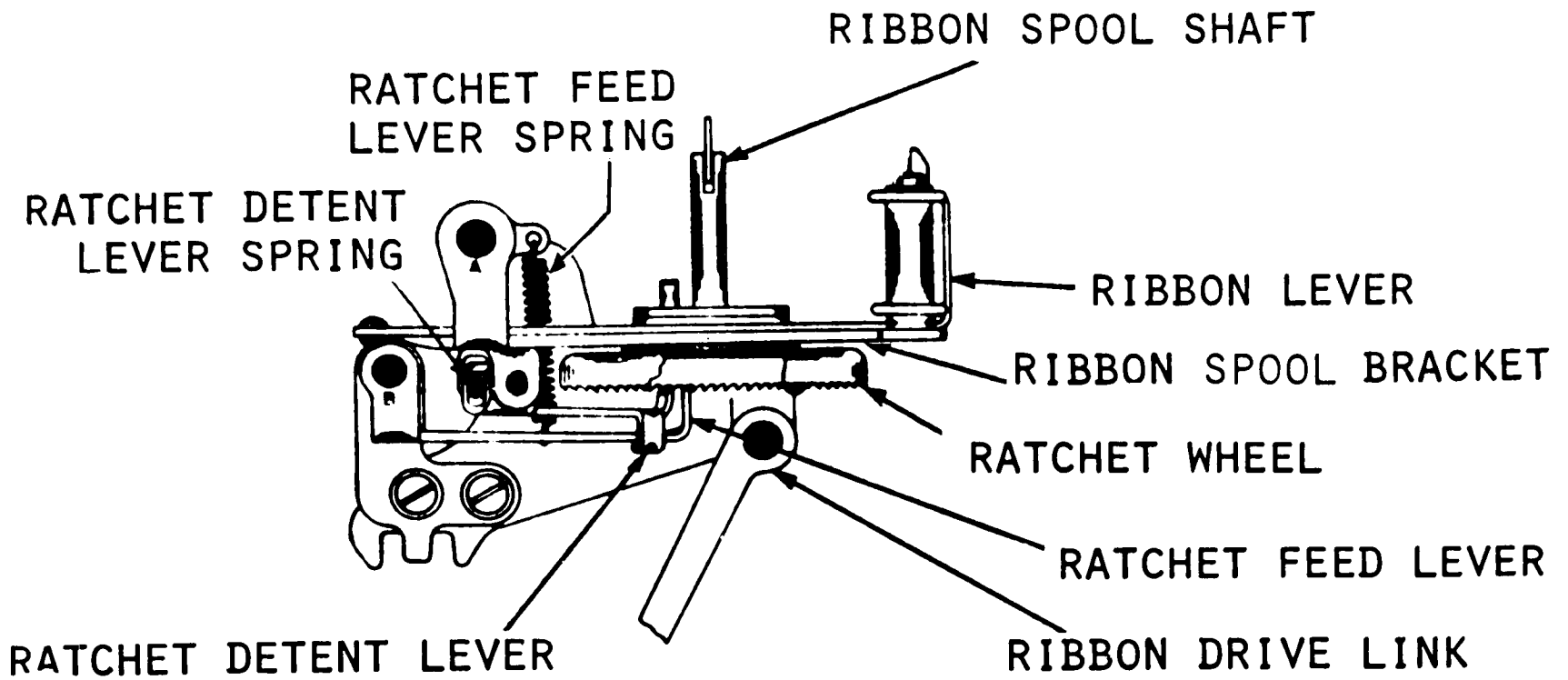


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MOD 28 ASR-AN/UGC-6K HORIZONTAL MOTION STOP SLIDE POSITIONING (TOP VIEW)

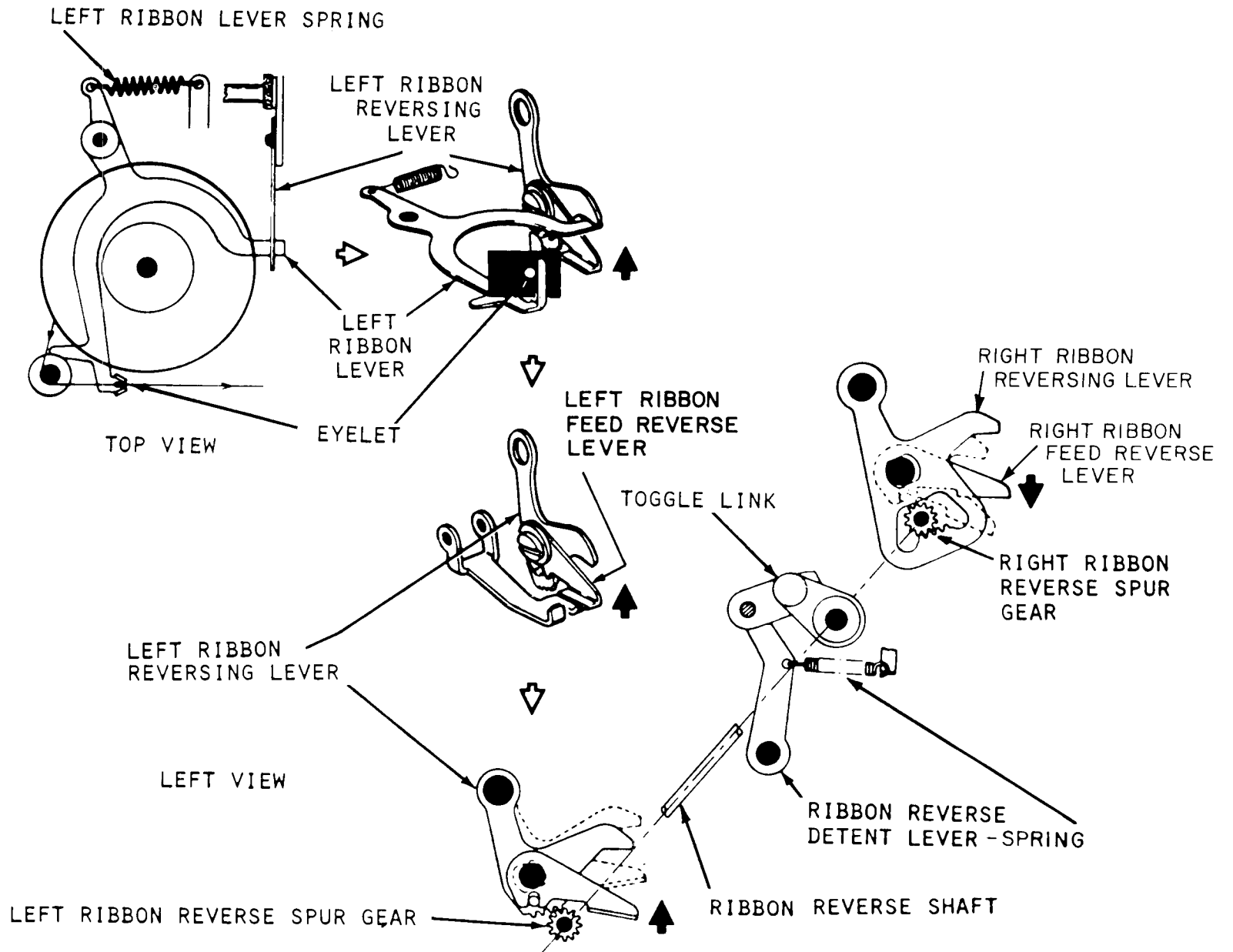


MOD 28 ASR-AN/UGC-6K RIBBON OSCILLATION (LEFT VIEW)

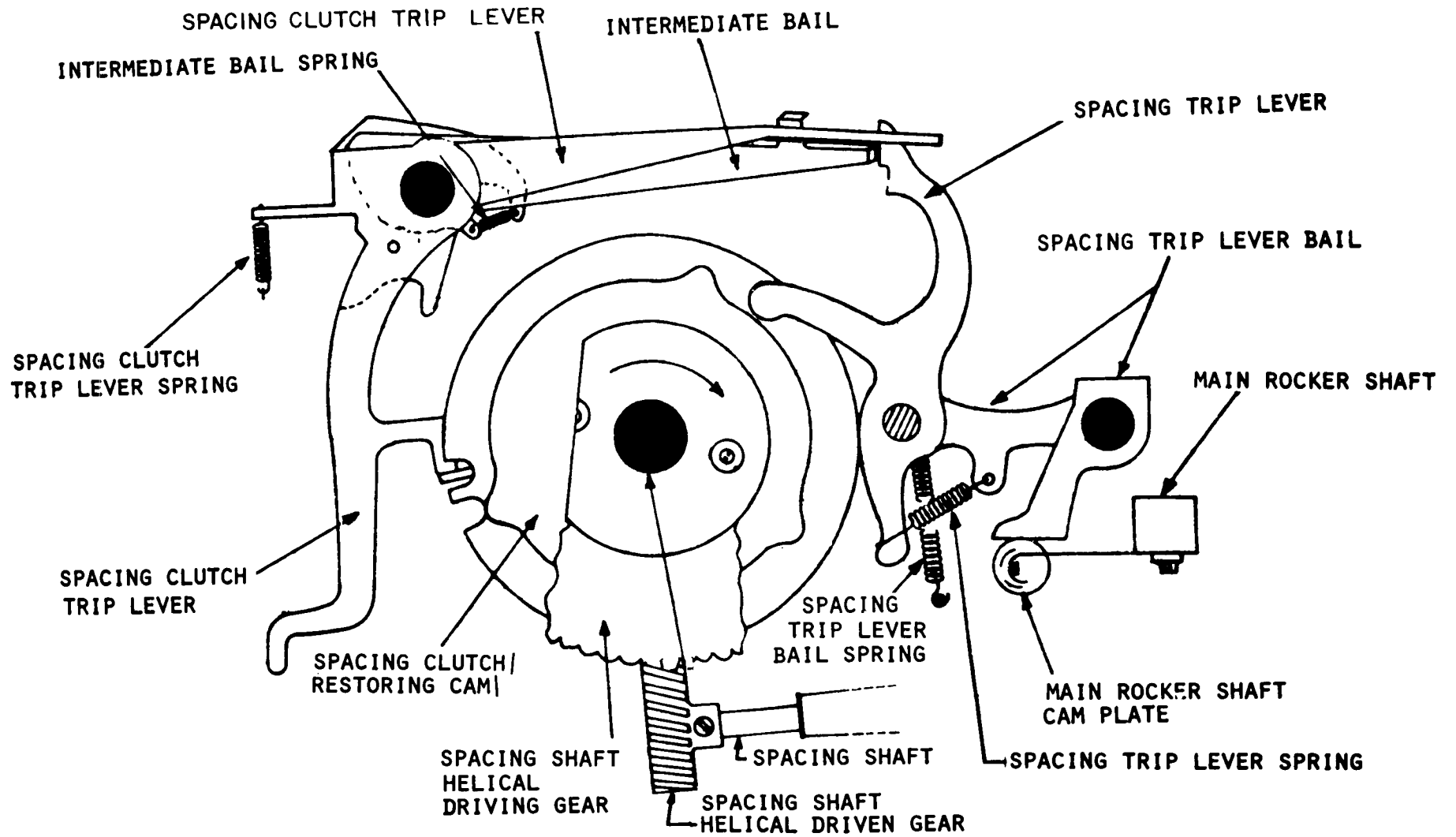


MOD 28 ASR - AN/UGC-6K- RIBBON FEED (LEFT VIEW)

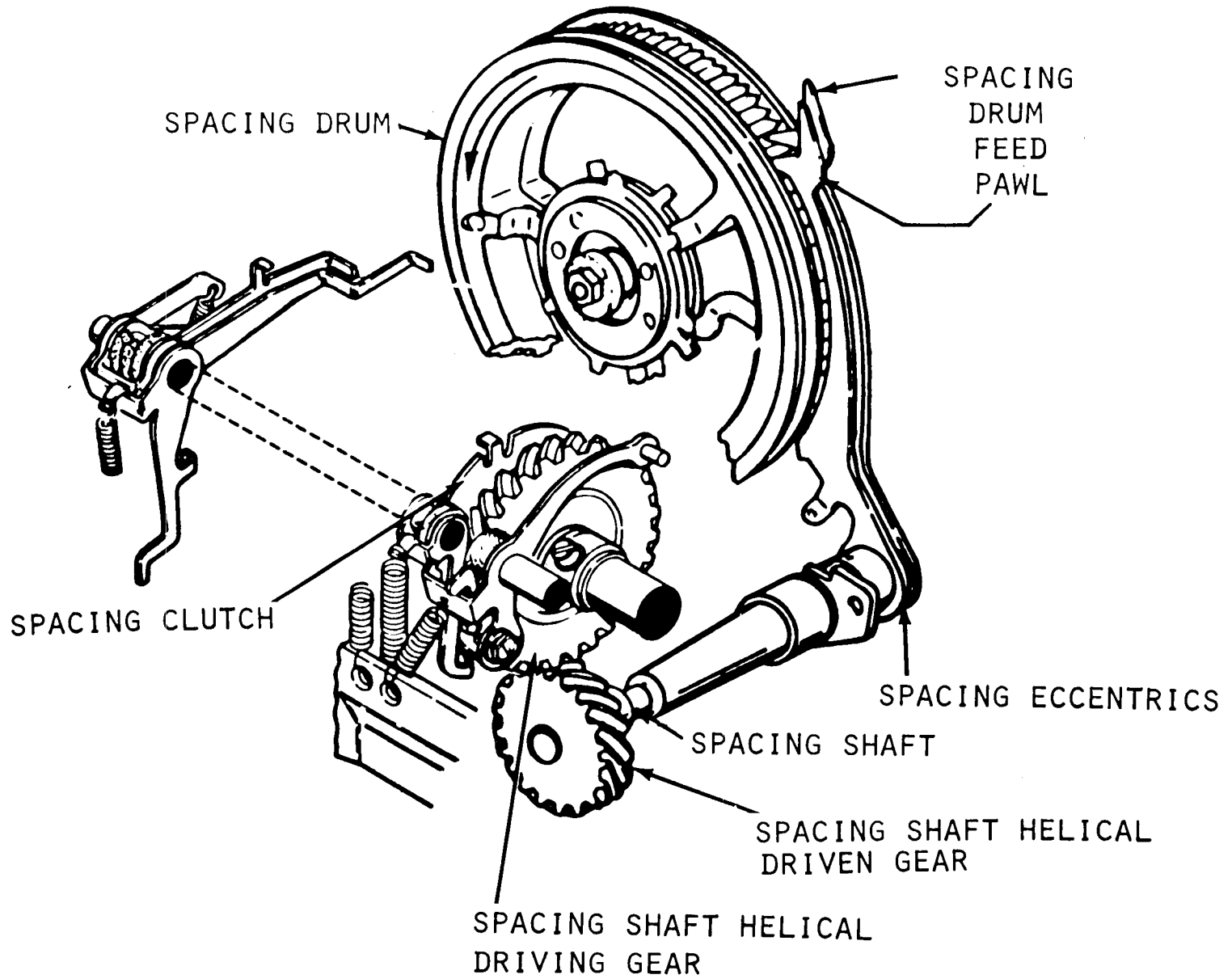
2-3-7D



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



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



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

SPACING DRUM FEED PAWLS

SPACING DRUM

TRANSFER SLIDE SPRING

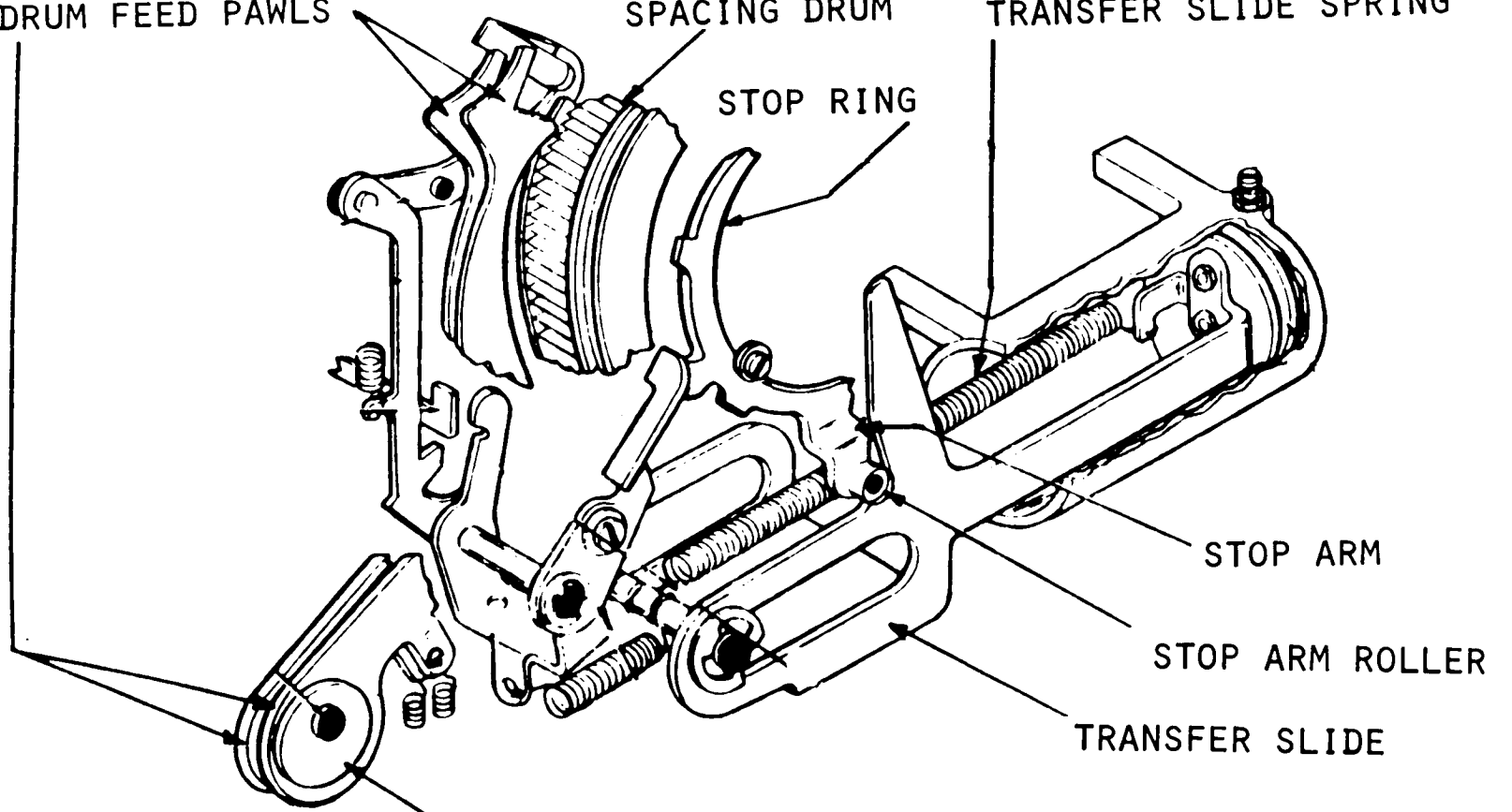
STOP RING

STOP ARM

STOP ARM ROLLER

TRANSFER SLIDE

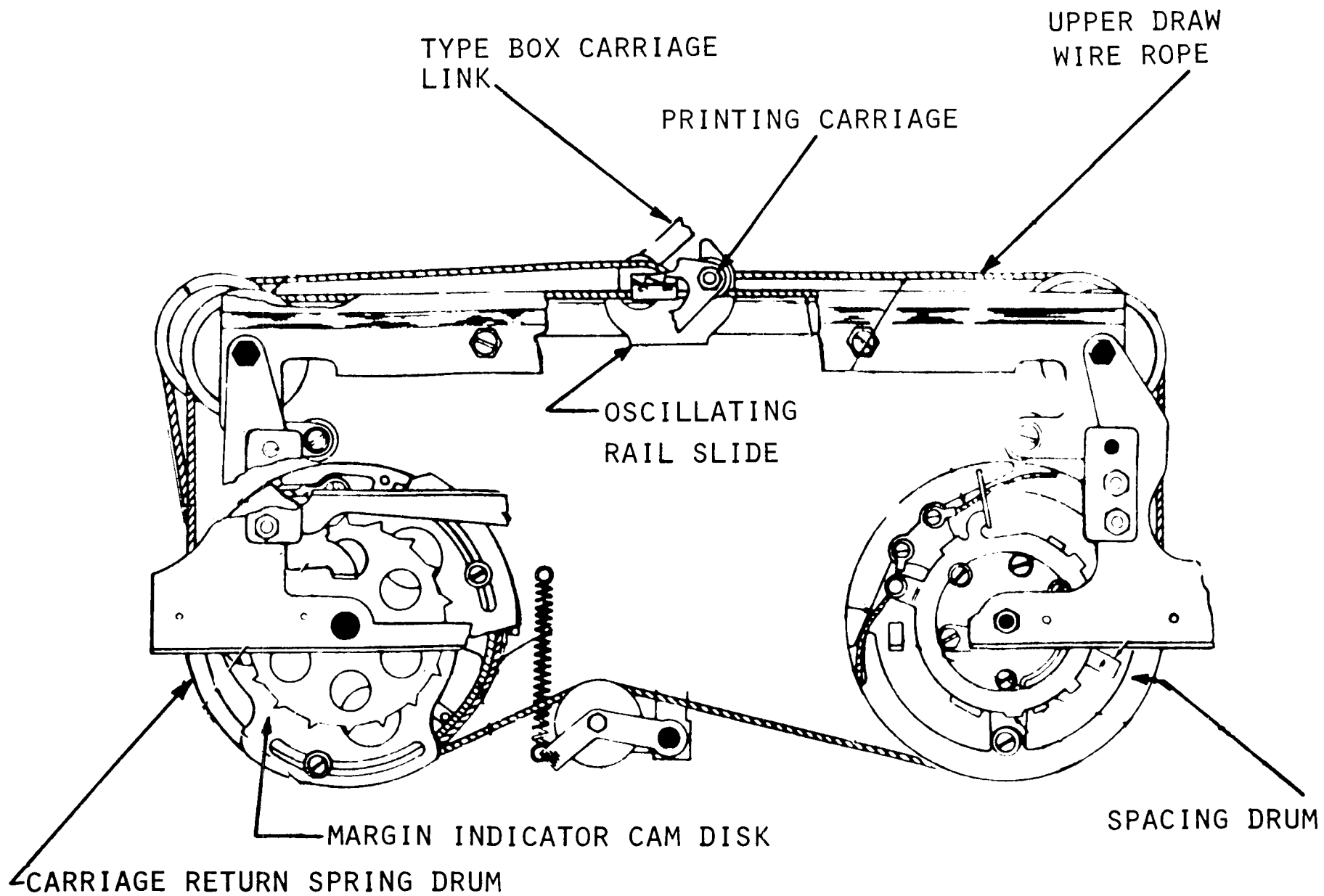
SPACING ECCENTRICS



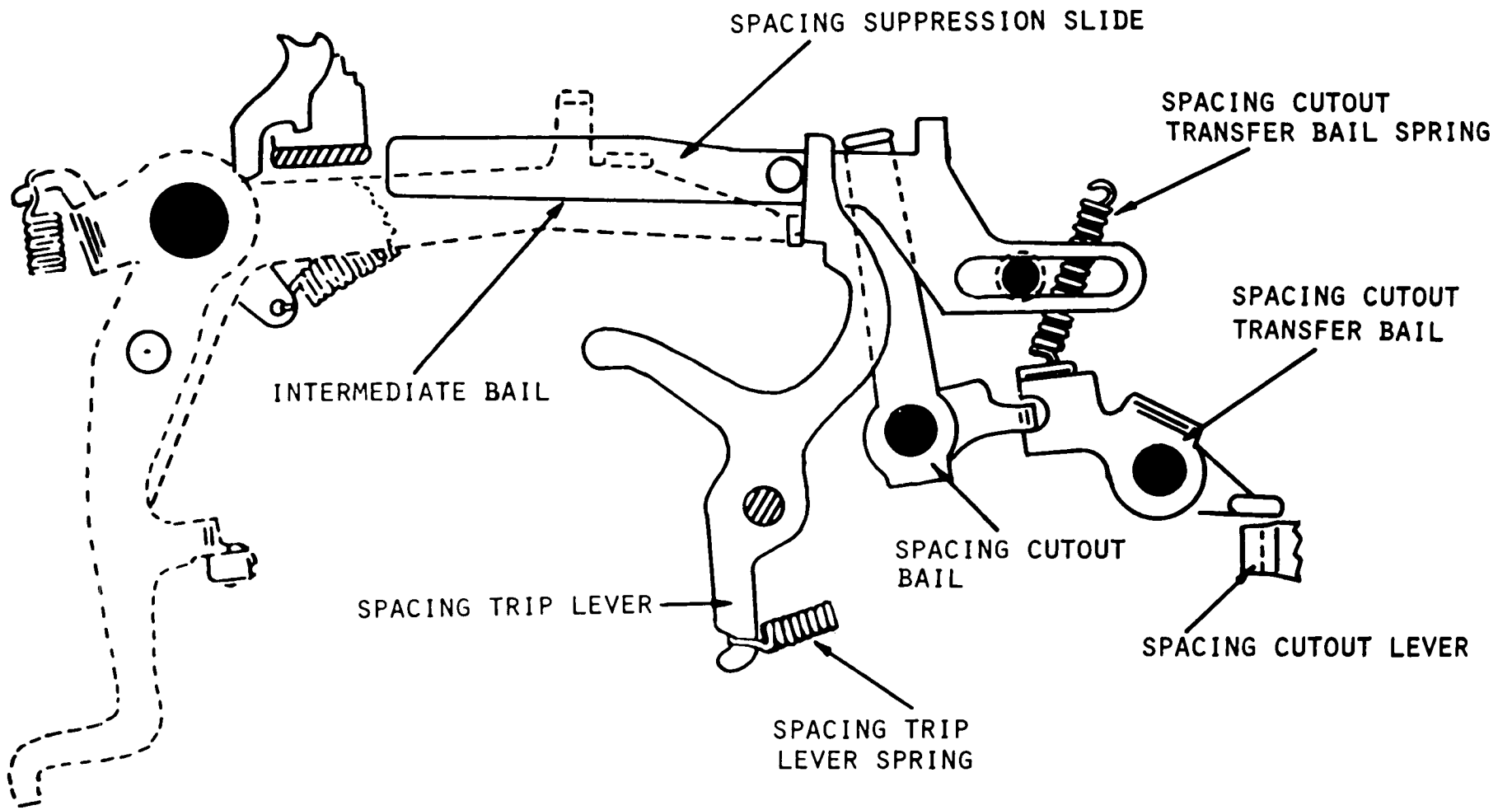
38

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

2-3-11D



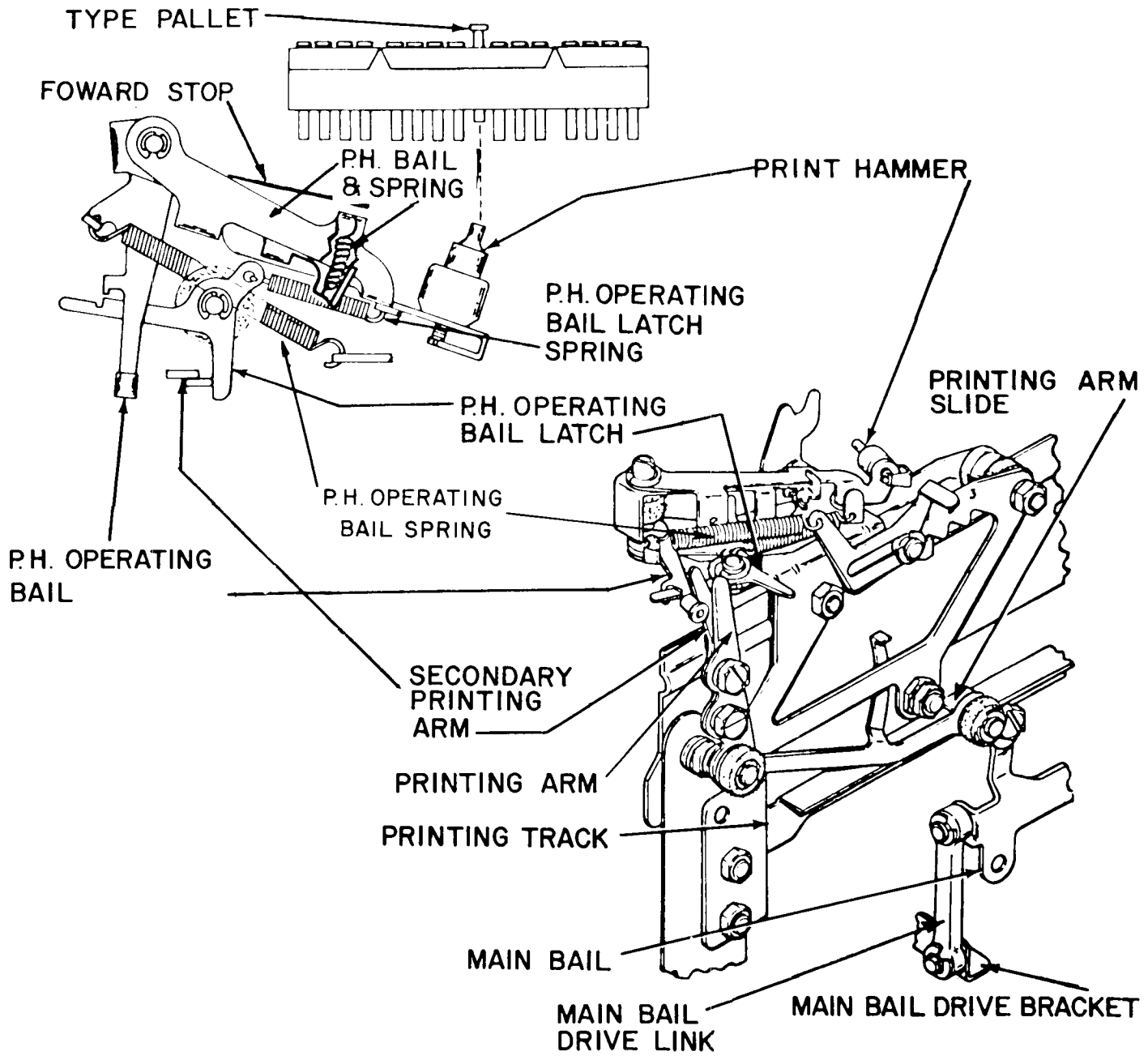
MOD 28 ASR AN/UGC -6K SPACING MECHANISM #2



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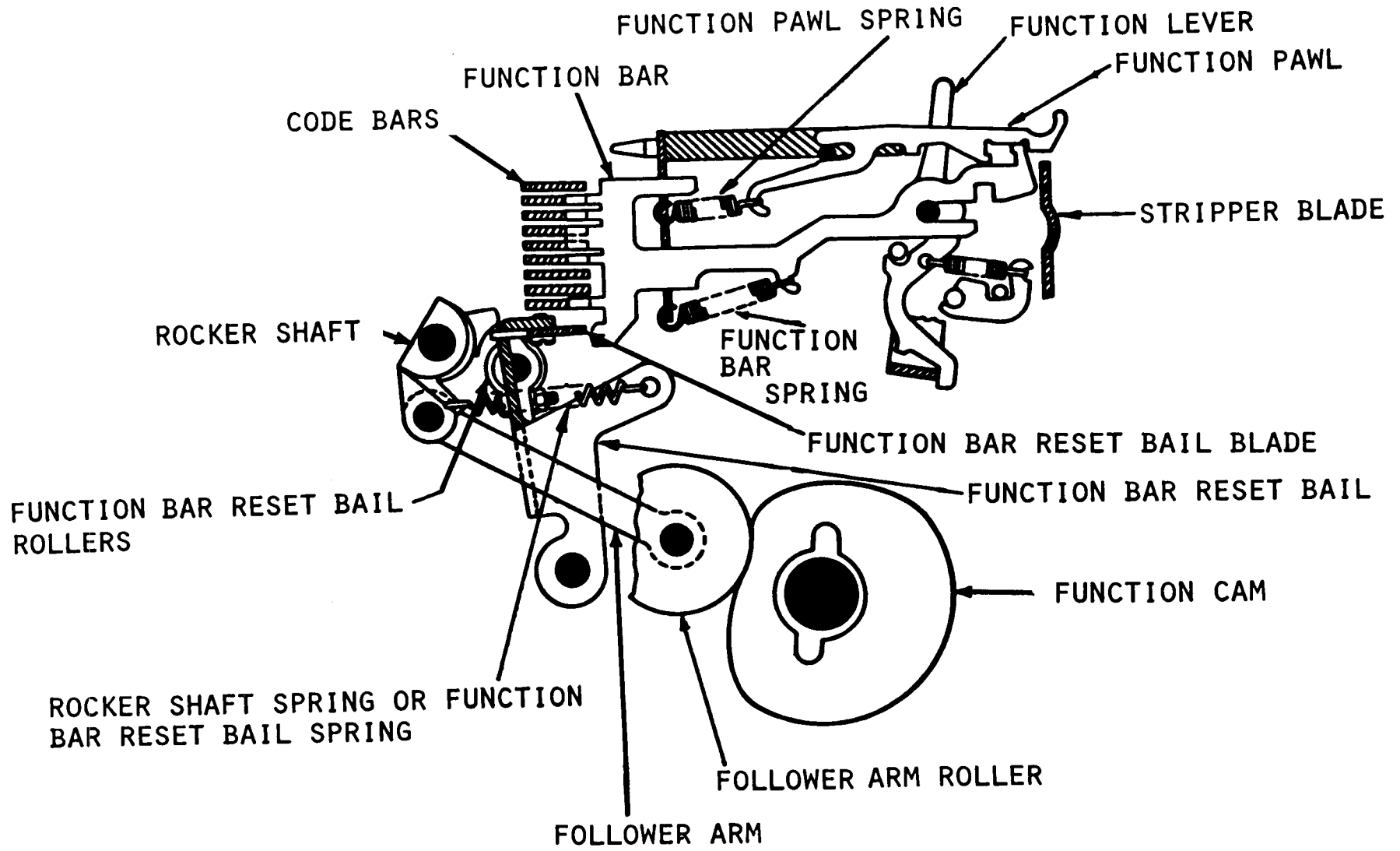
MOD 28 ASR-AN/UGC-6K SPACING CUTOUT (LEFT VIEW)

2-3-13D

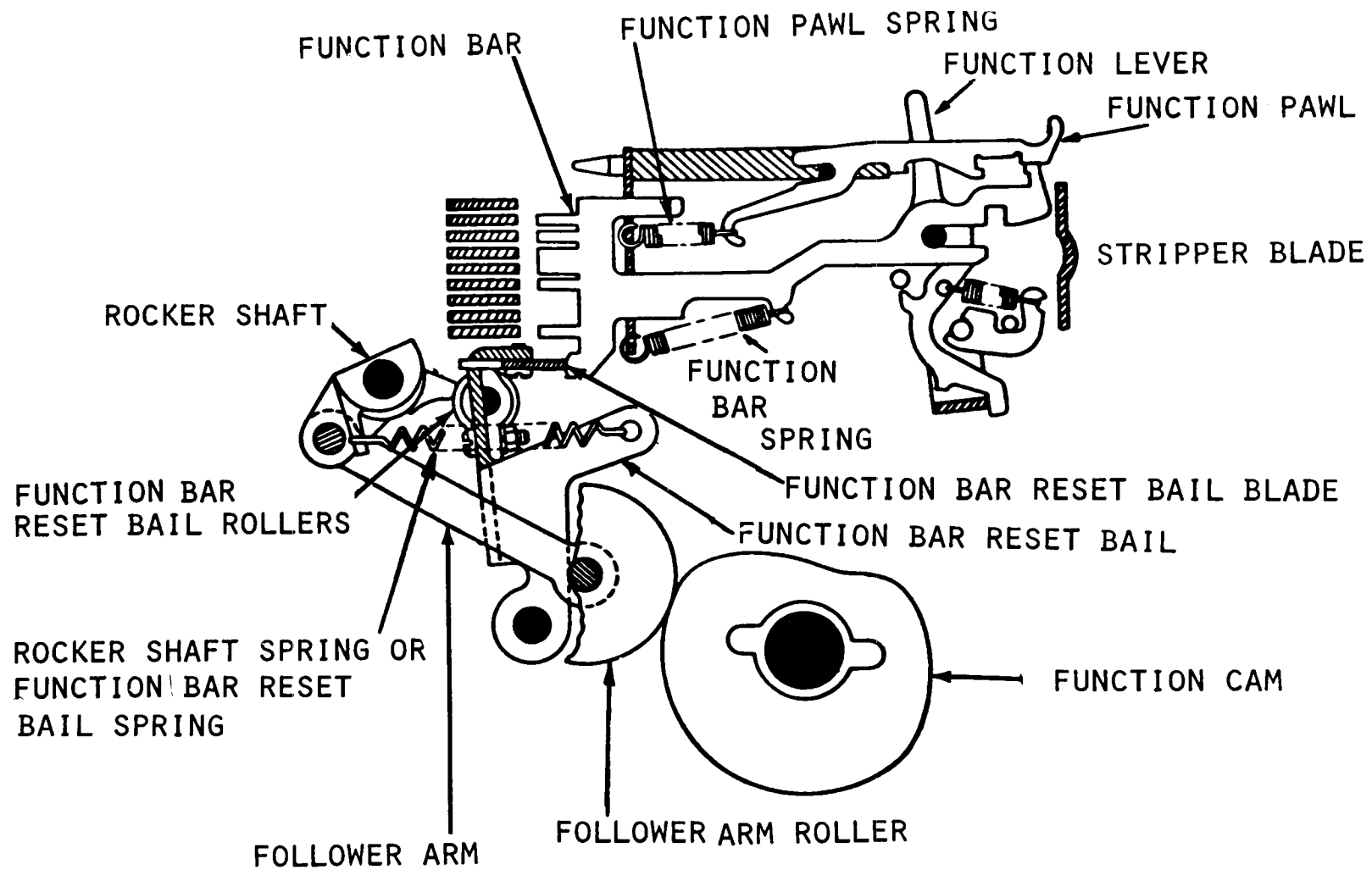


MOD 28 ASR-AN/UGC-6K- PRINTING MECHANISM

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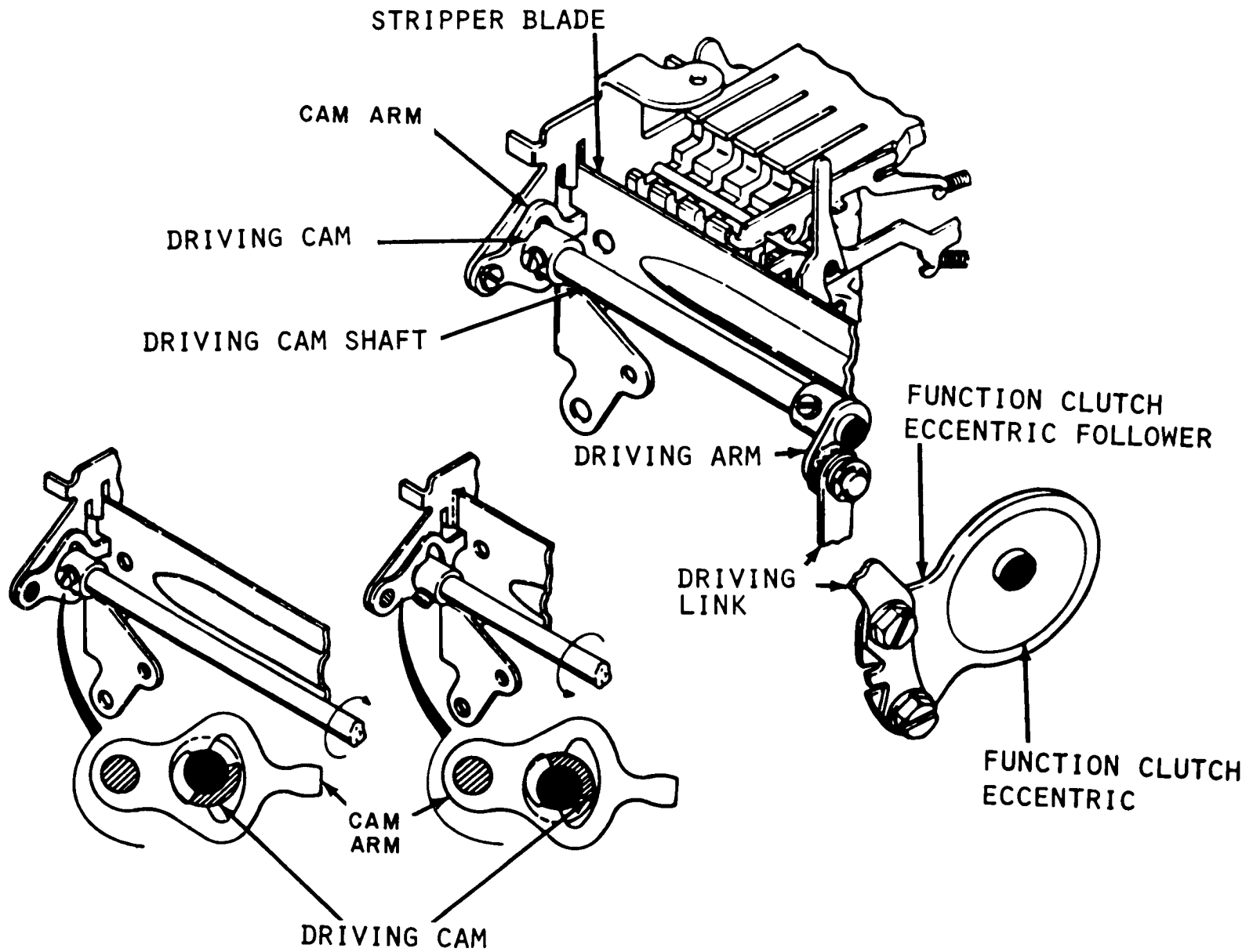


MOD 28 ASR-AN/UGC-6K RESET BAIL (INITIAL POSITION)(RIGHT VIEW)

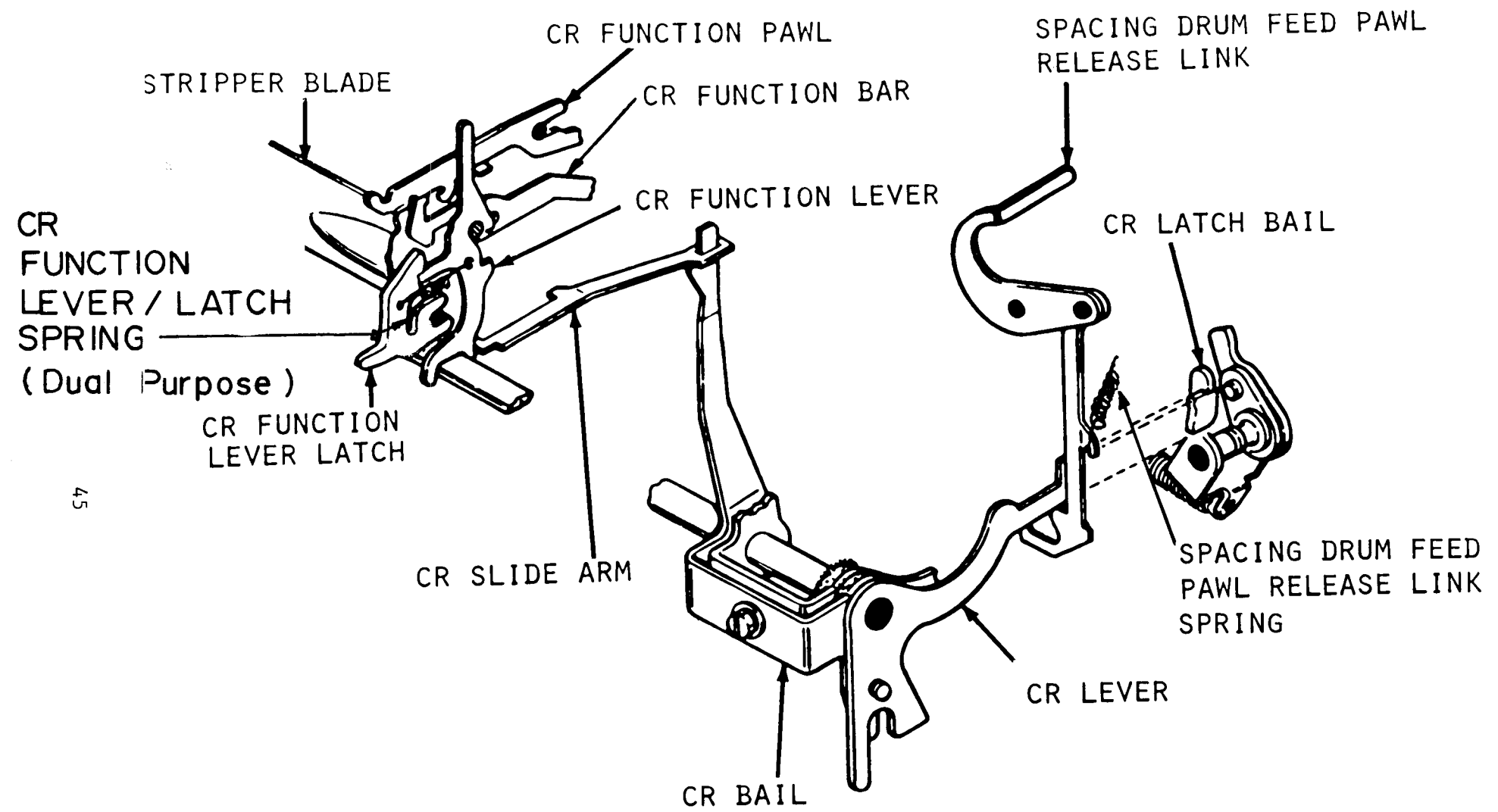


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MOD 28 ASR/AN/UGC-6K RESET BAIL (FINAL POSITION)(RIGHT VIEW)

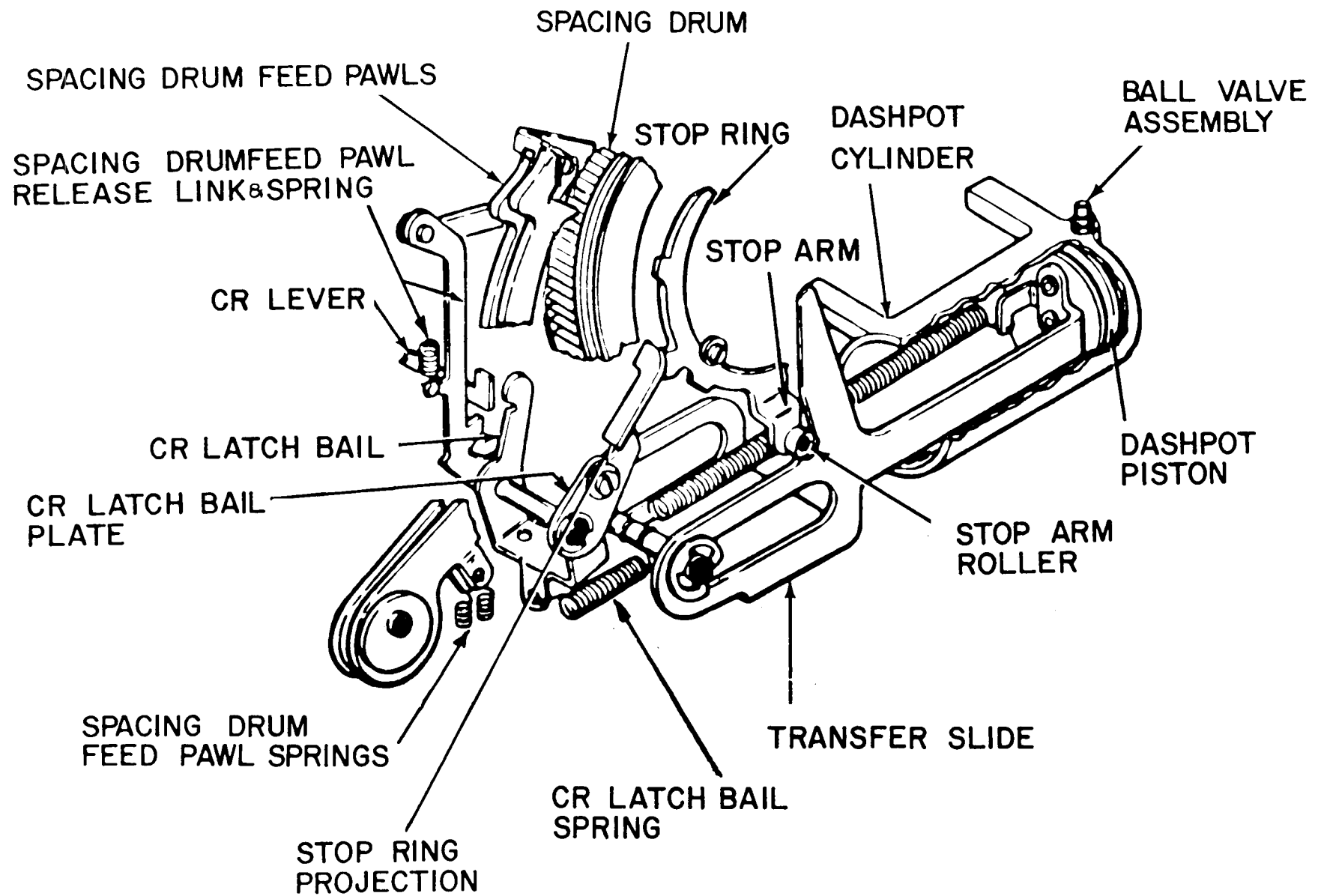


MOD 28 ASR-AN/UGC-6K STRIPPER BLADE (LEFT REAR VIEW)



45

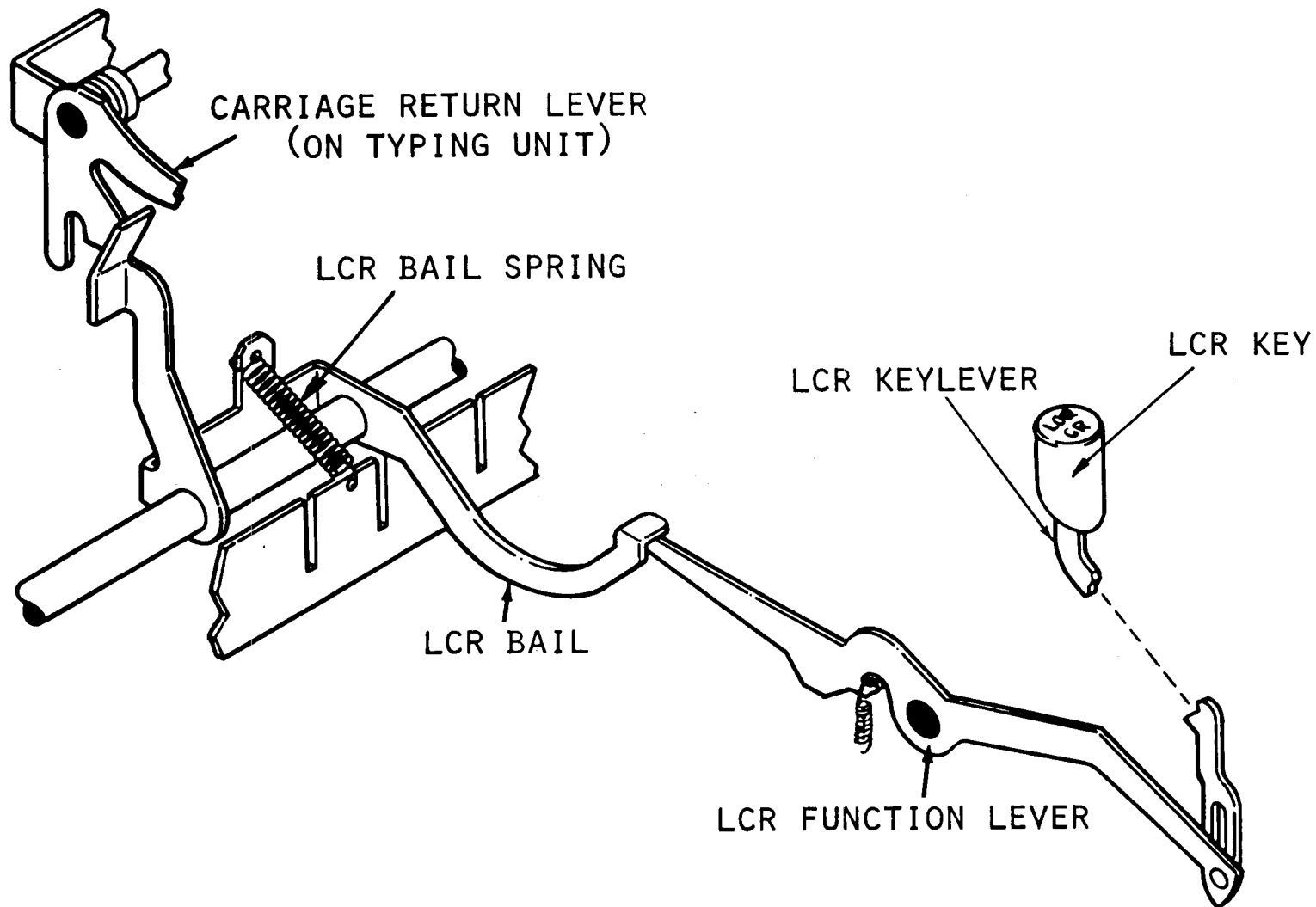
MOD 28 ASR-AN/UGC-6K CARRIAGE RETURN MECHANISM #1 (LEFT VIEW)



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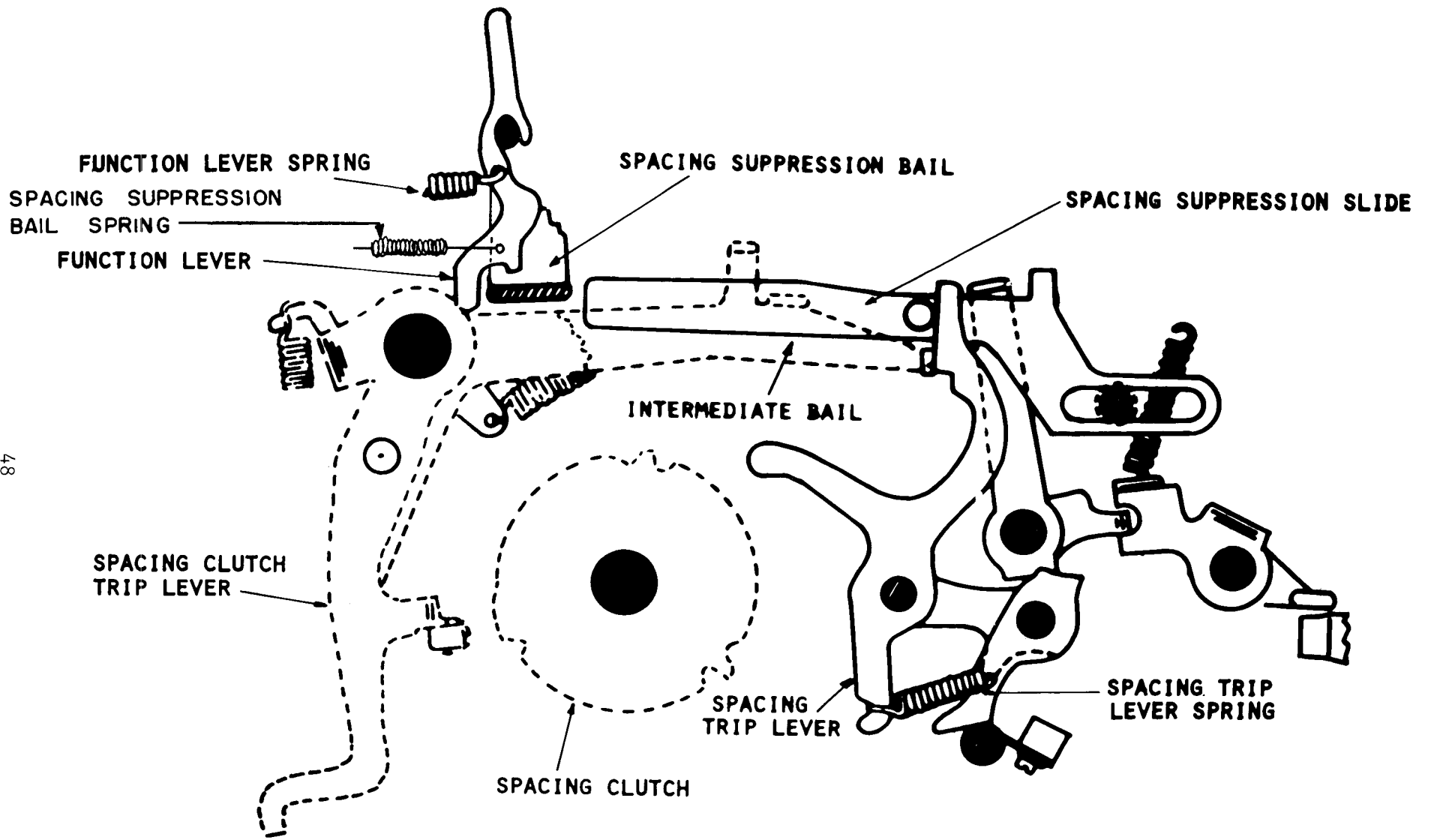
MOD 28 ASR-AN/UGC-6K CARRIAGE RETURN MECHANISM No. 2

2-4-6D

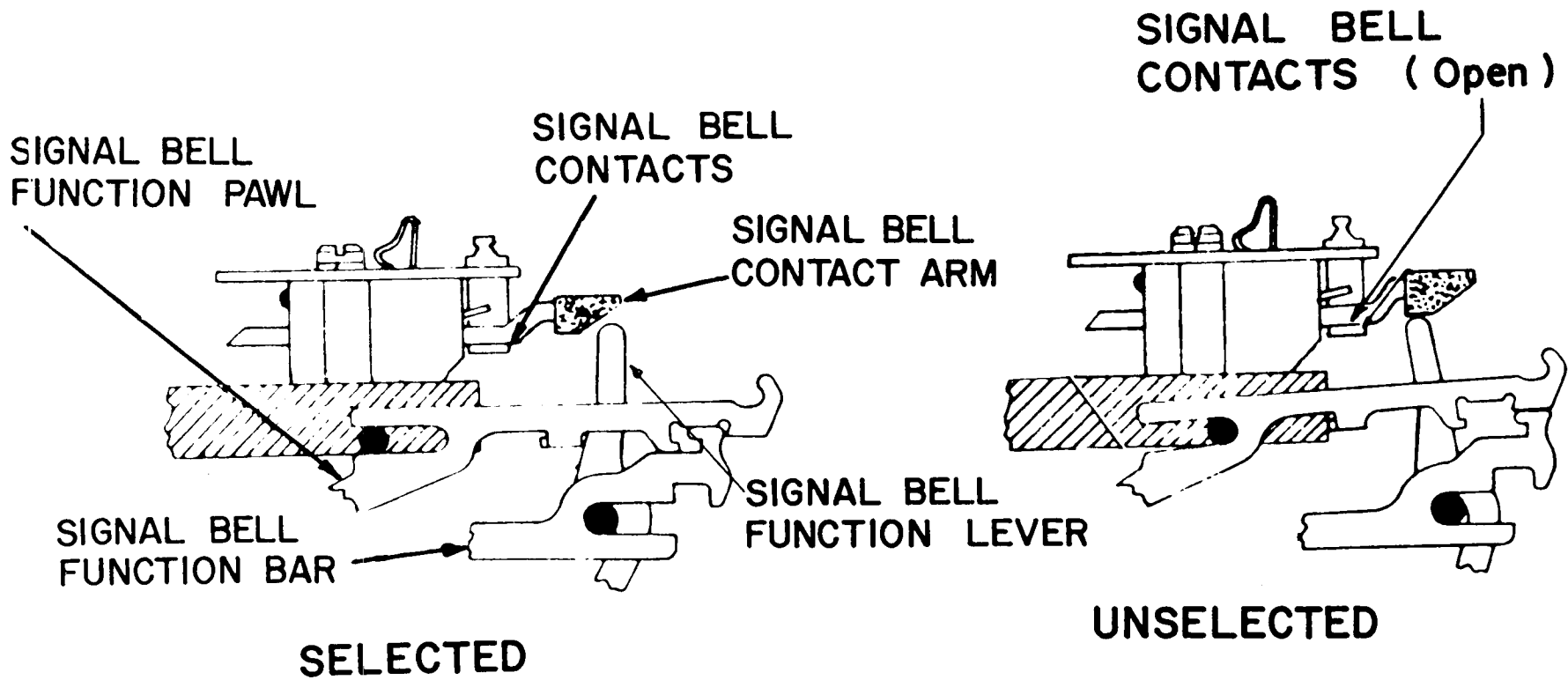


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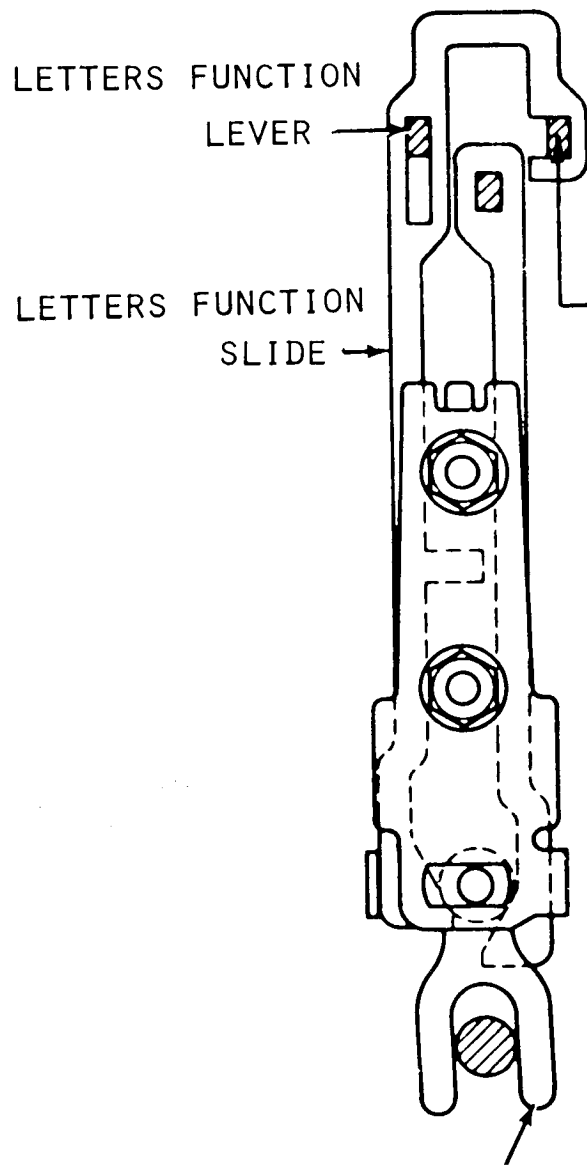
MOD 28 ASR AN/UGC-6K LOCAL CARRIAGE RETURN (LCR) MECHANISM (LEFT VIEW)



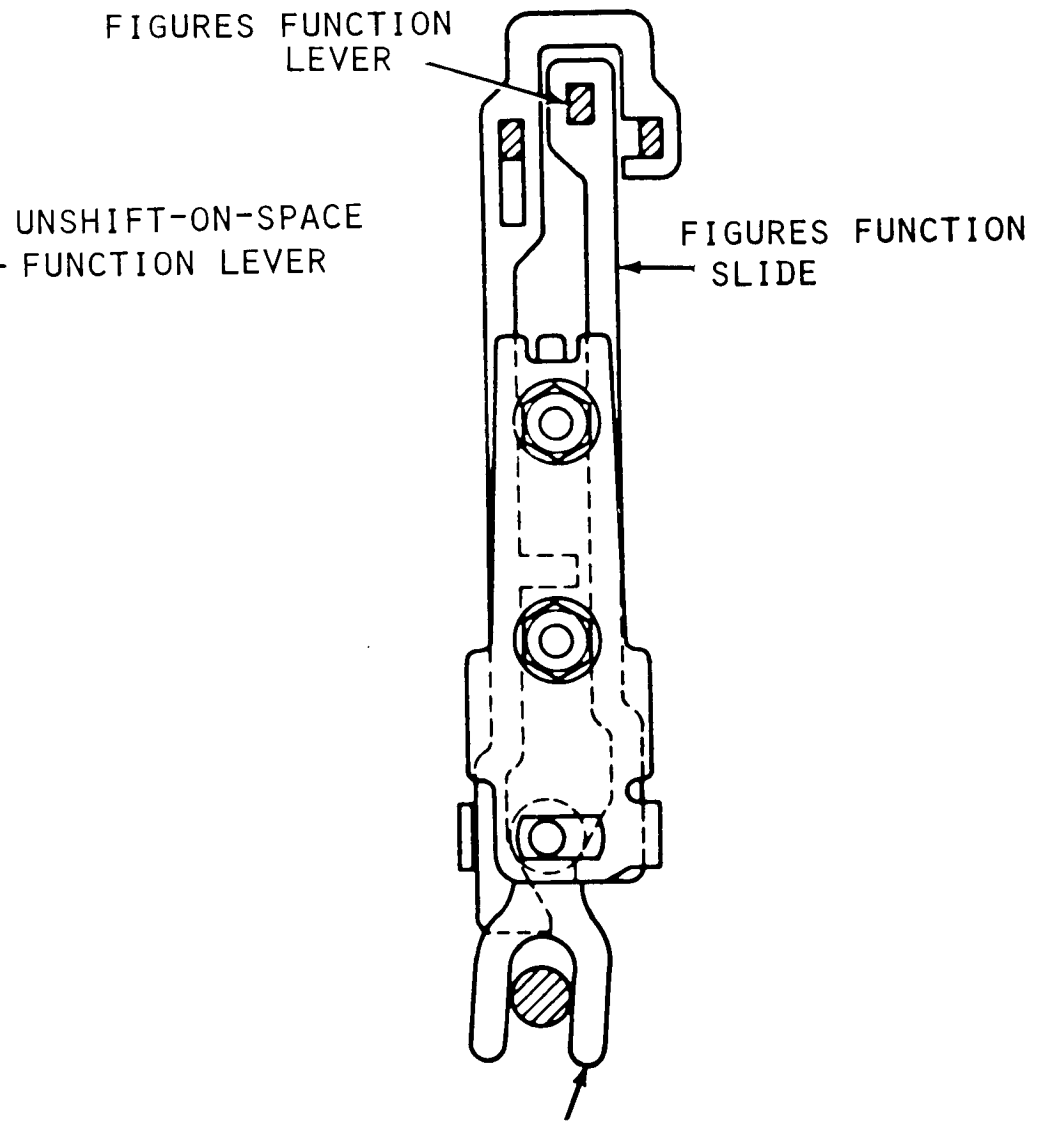
MOD 28 ASR-AN/UGC-6K SPACING SUPPRESSION (LEFT VIEW)



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

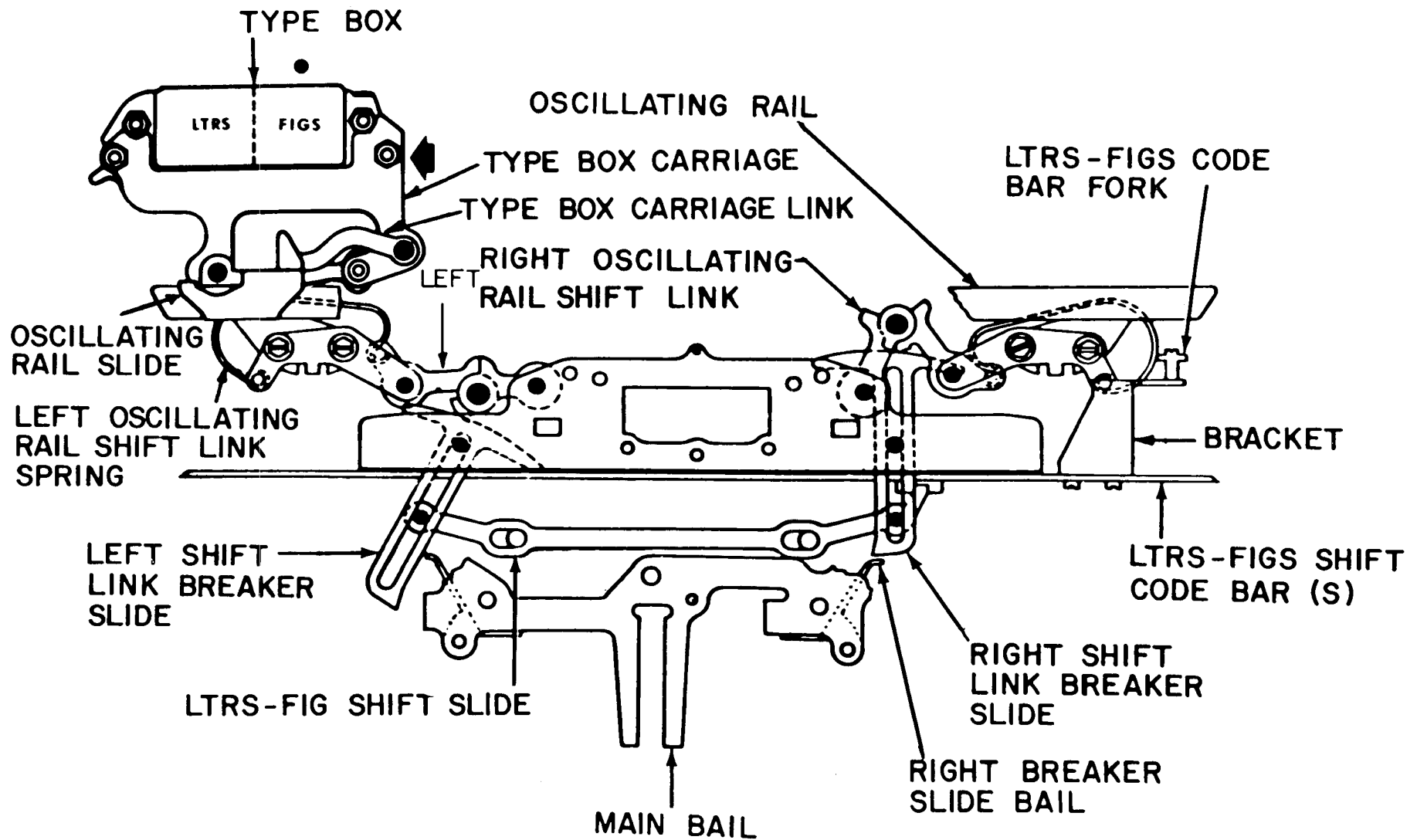


LTRS-FIGS CODE BAR FORK
LETTERS SHIFT

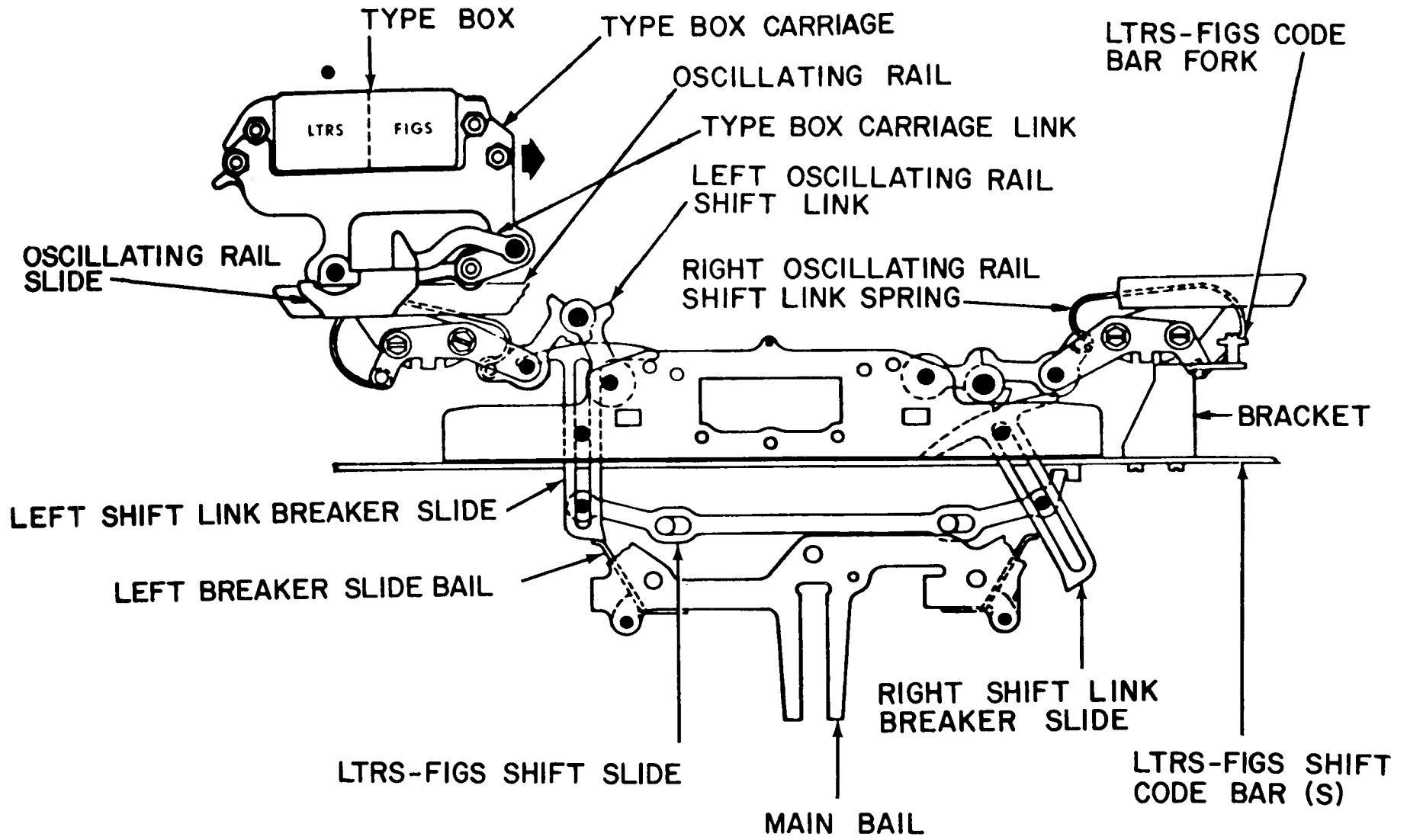


LTRS-FIGS CODE BAR FORK
FIGURES SHIFT

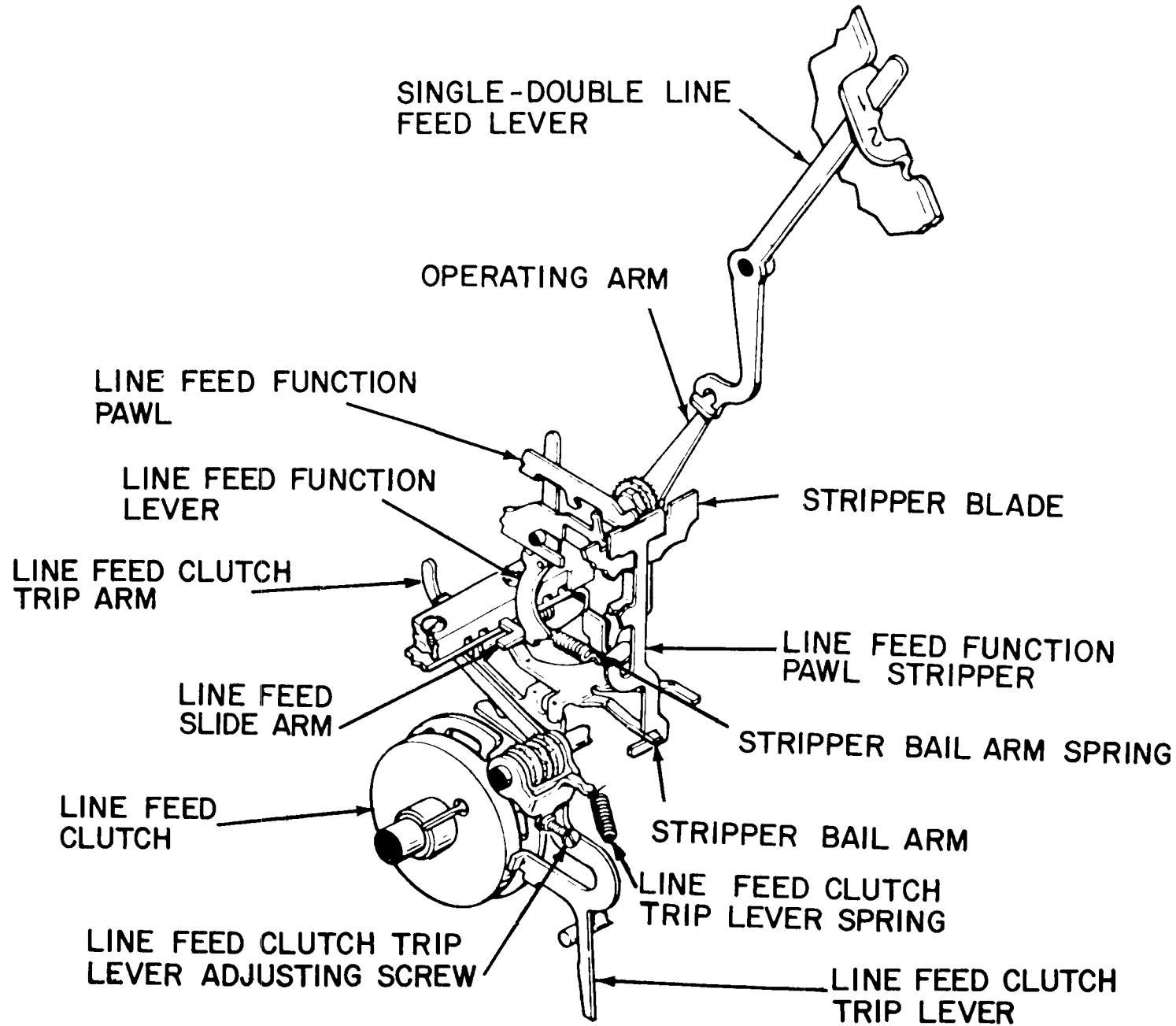
MOD 28 ASR-AN/UGC-6K LETTERS FIGURES SHIFT SLIDES (TOP VIEW)



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

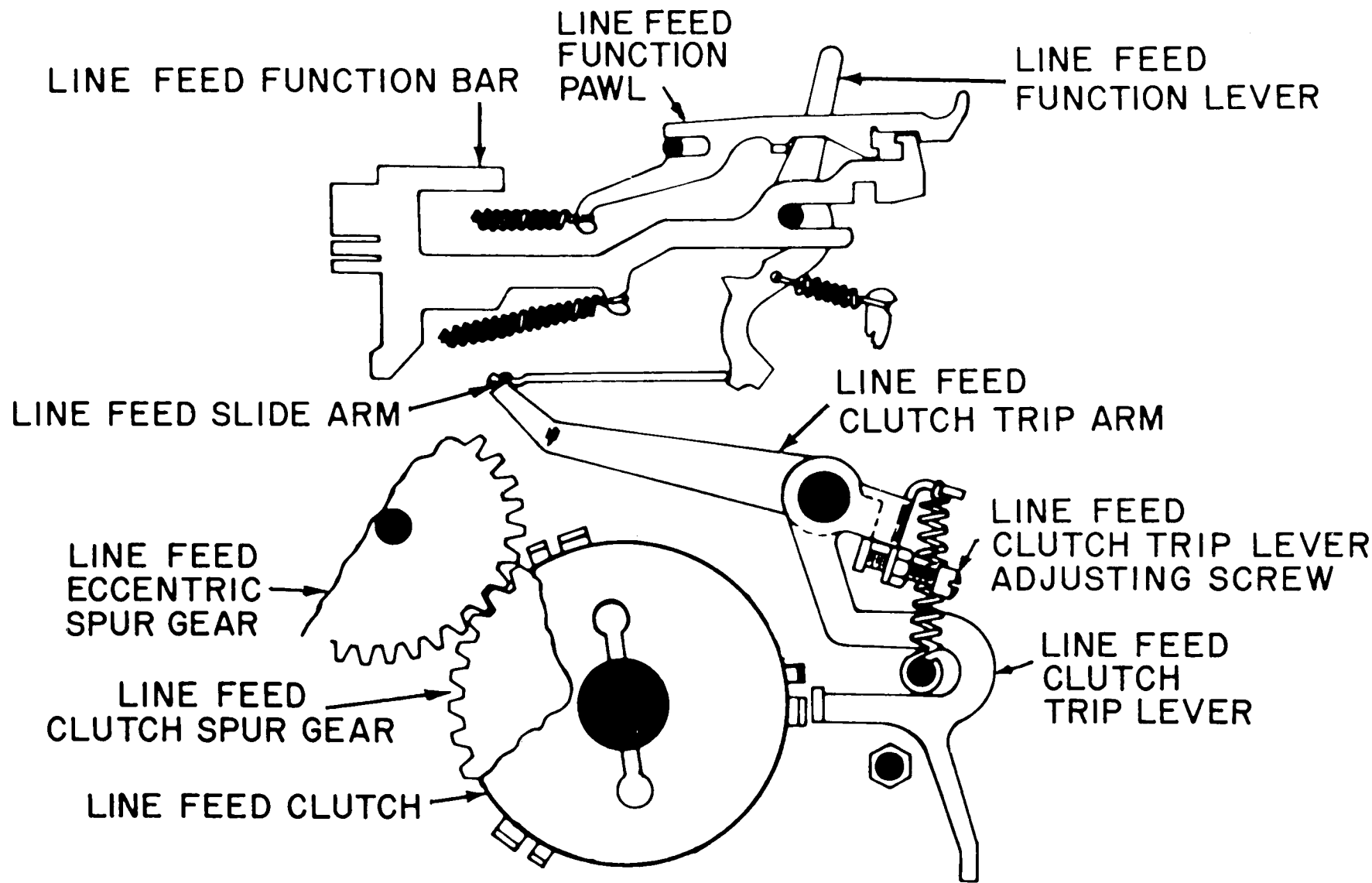


MOD 28 ASR-AN/UGC-6K LETTERS SHIFT

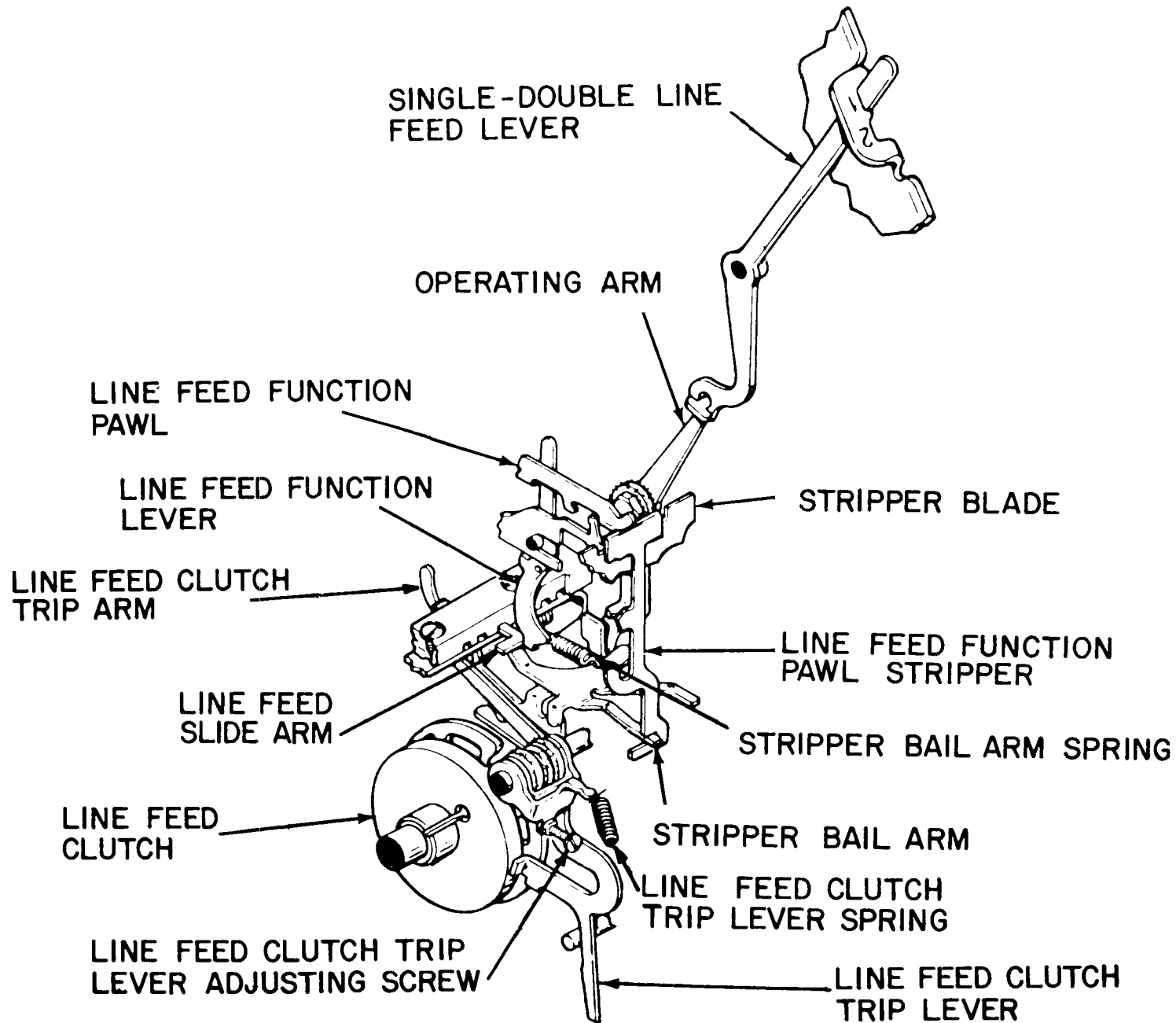


MOD 28 ASR-AN/UGC-6K

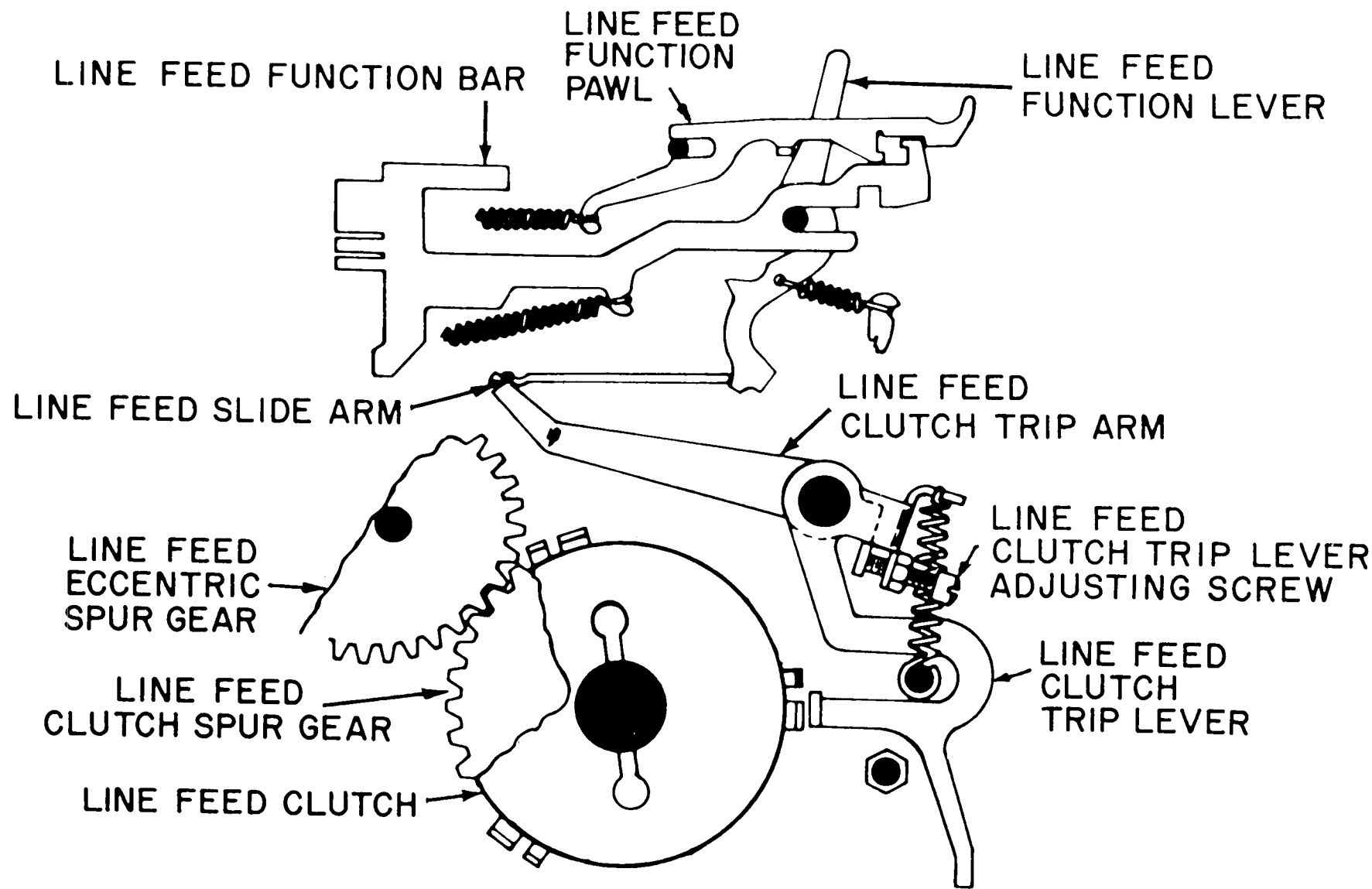
DOUBLE LINEFEED (RIGHT REAR VIEW)



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

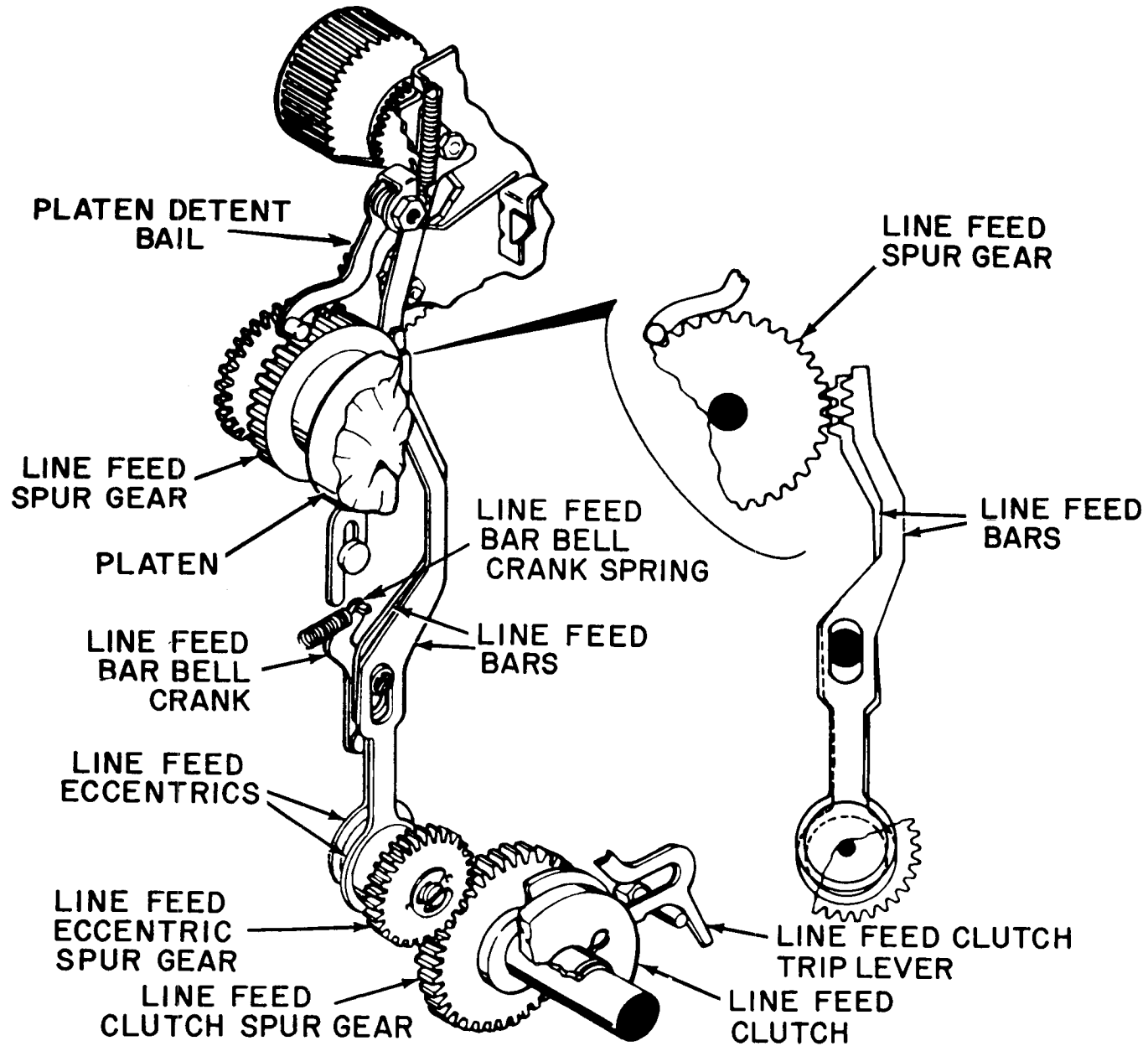


MOD 28 ASR-AN/UGC-6K DOUBLE LINEFEED (RIGHT REAR VIEW)

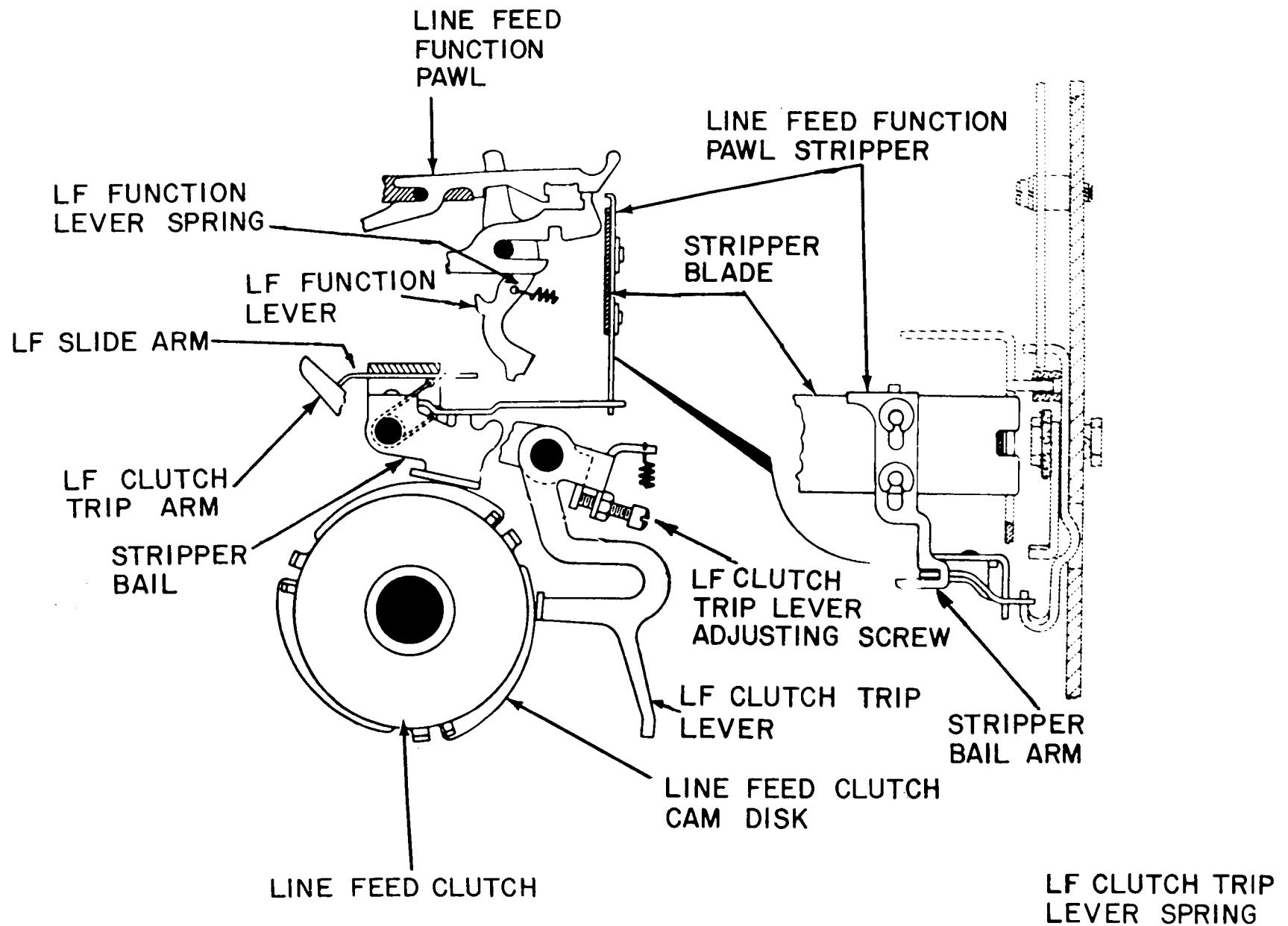


54

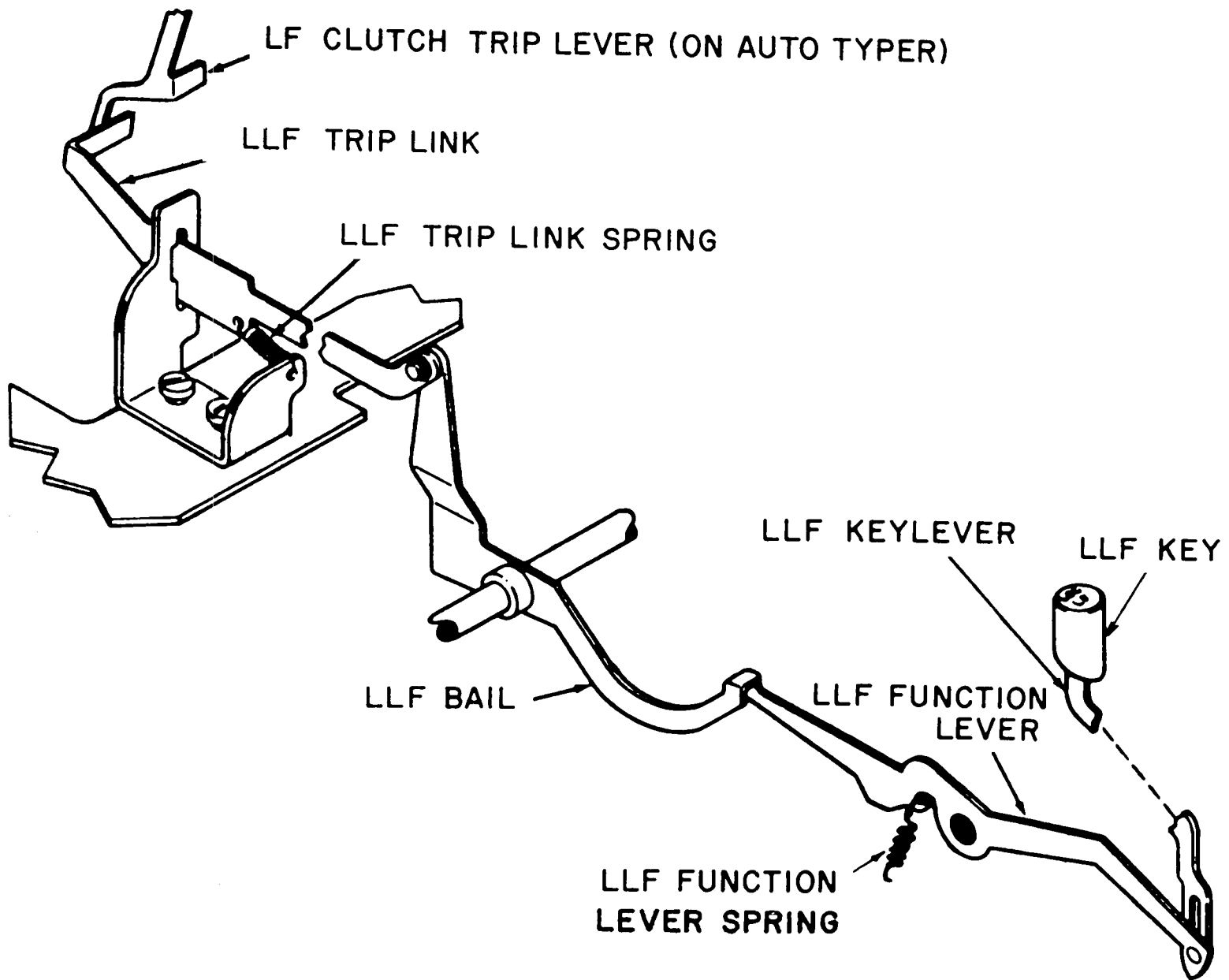
MOD 28 ASR-AN/UGC-6K-LINE FEED FUNCTION (RIGHT VIEW)



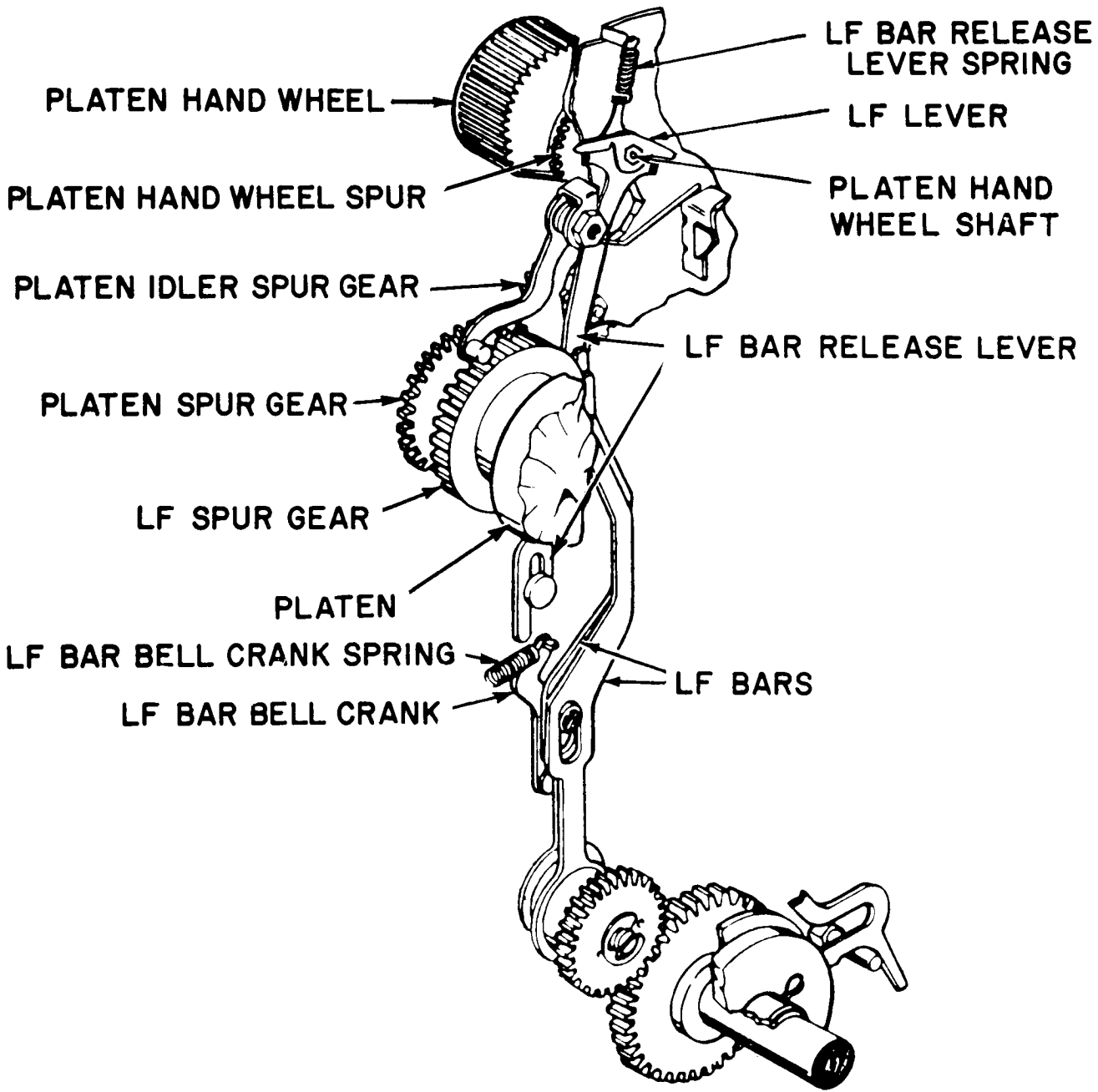
MOD 28 ASR-AN/UGC-6K-LINE FEED MECHANISM (RIGHT VIEW)



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

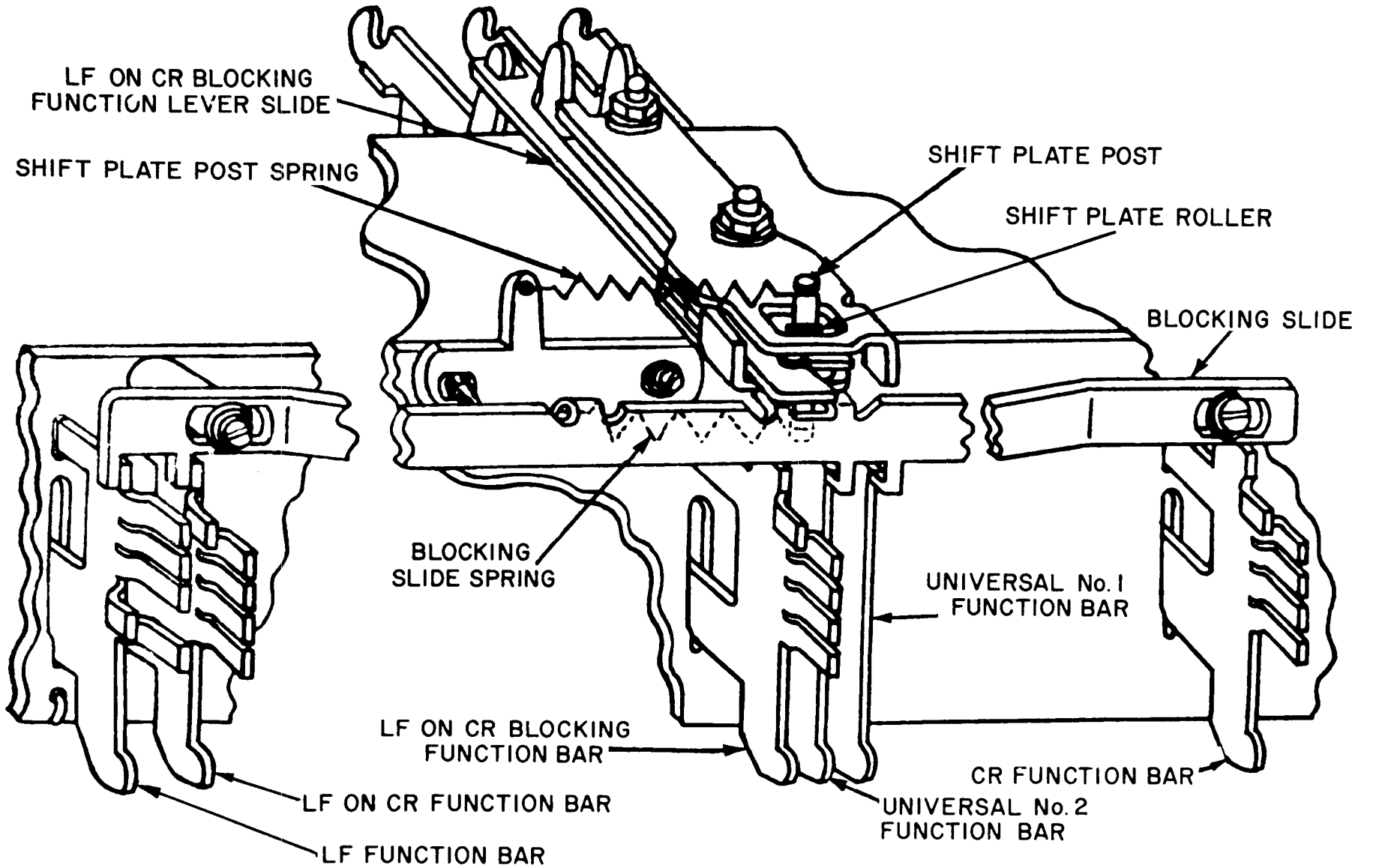


MOD 28 ASR - AN/UGC - 6K - LOCAL LINEFEED (LLF)
(LEFT FRONT VIEW)

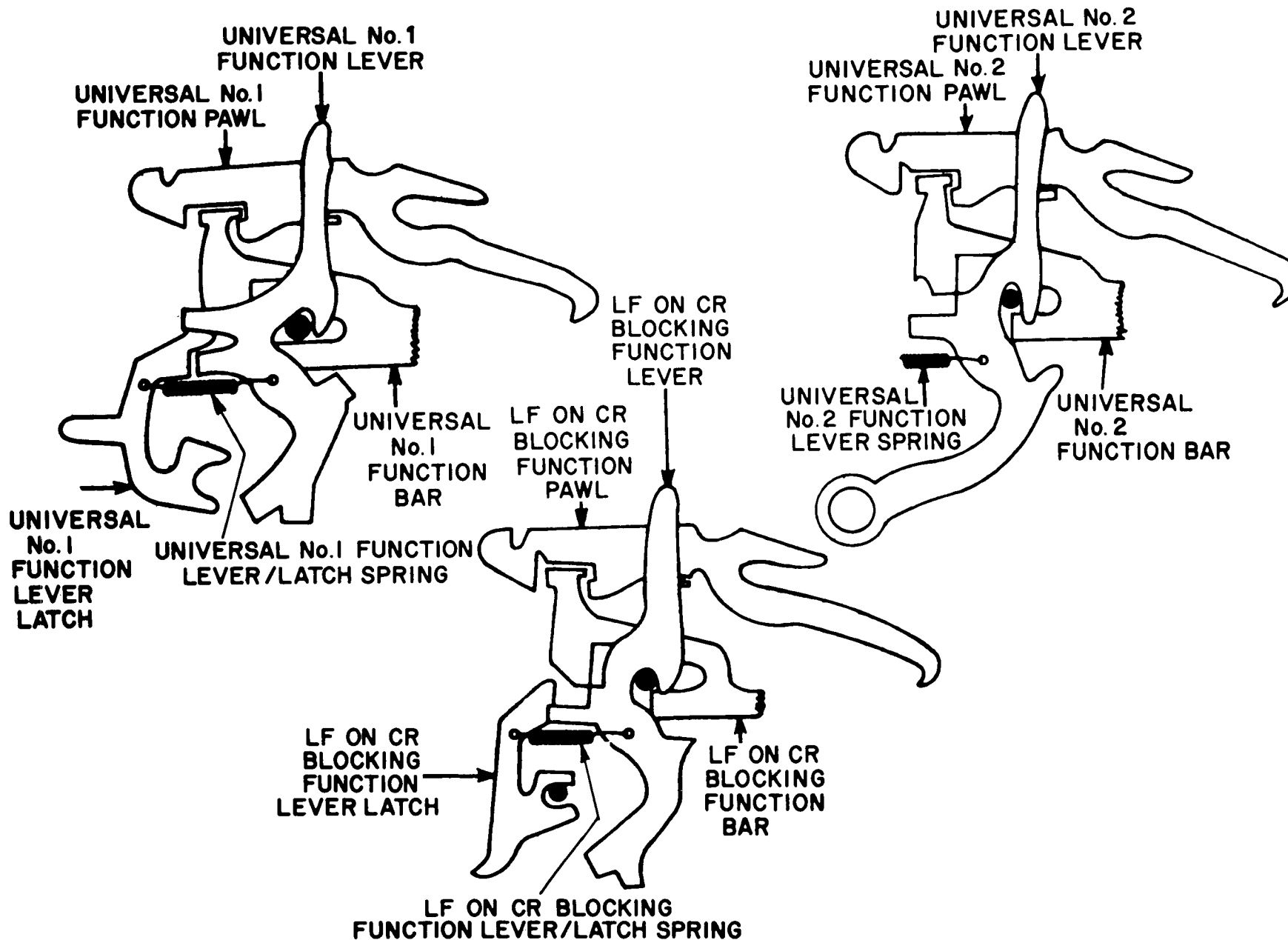


MOD 28 ASR-AN/UGC-6K-MANUAL LINE FEED (RIGHT VIEW)

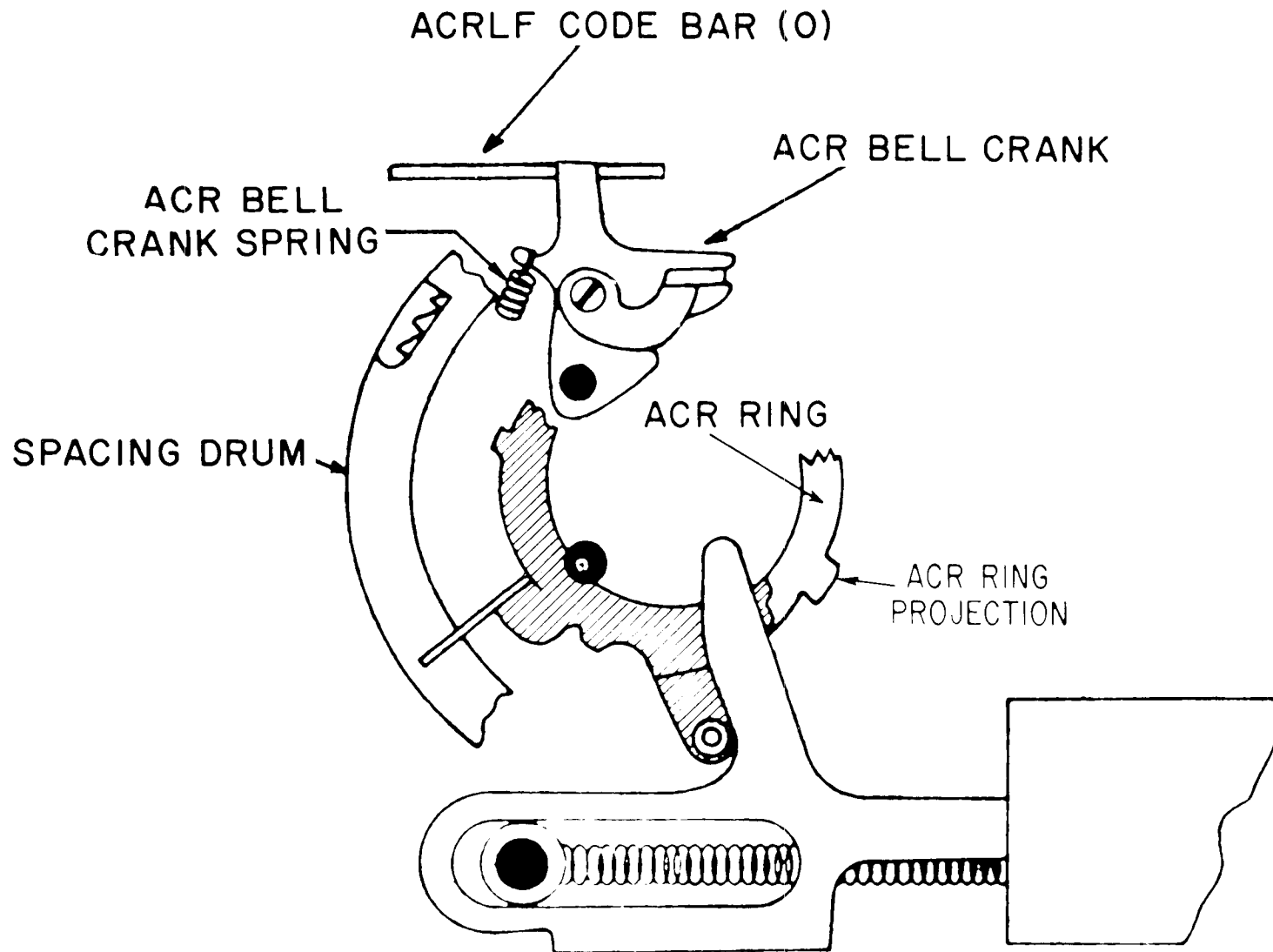
2-4-18D



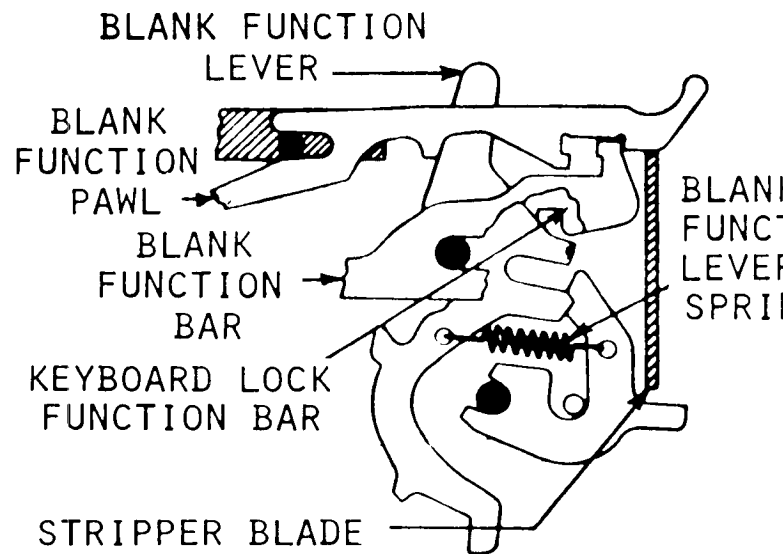
MOD 28 ASR -AN/UGC -6K -AUTOMATIC LINEFEED ON CARRIAGE RETURN



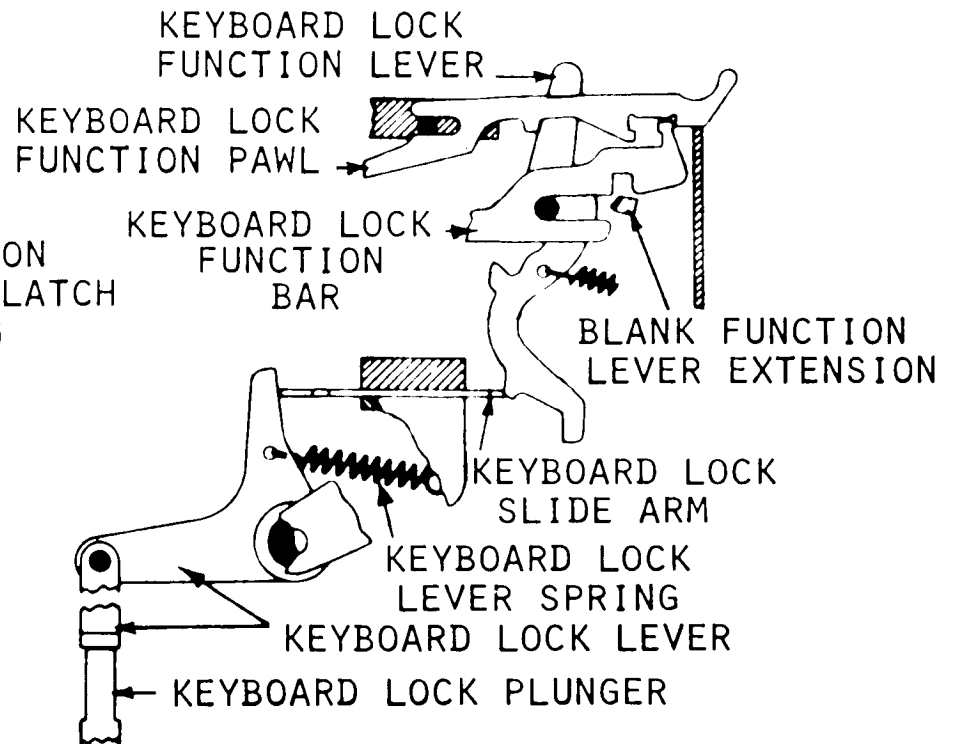
MOD 28 ASR-AN/UGC-6K- UNIVERSAL MECHANISM (LEFT VIEW)



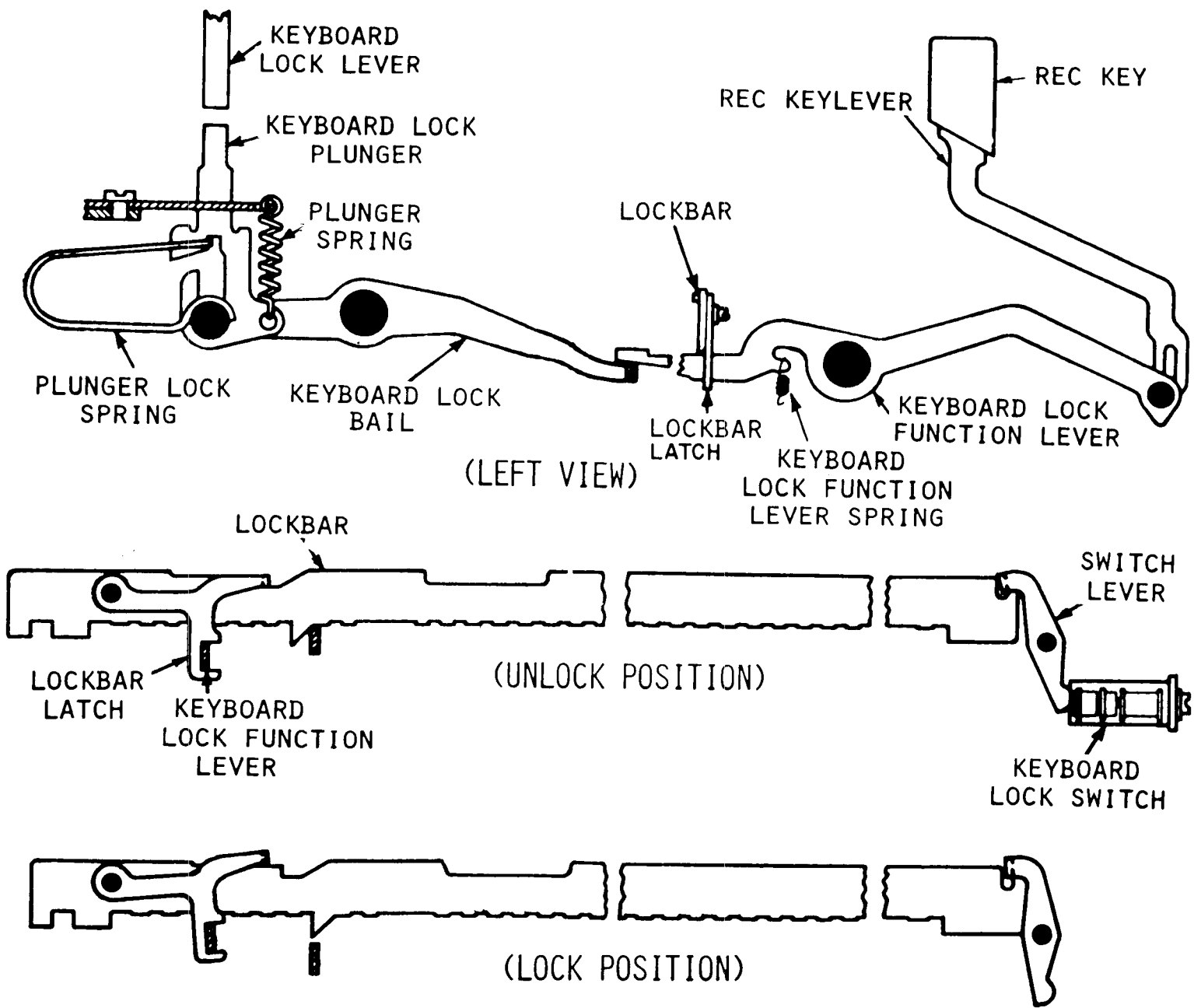
MOD 28 ASR-AN/UGC-6K - AUTOMATIC CARRIAGE RETURN (ACR)
AND LINE FEED (LF)



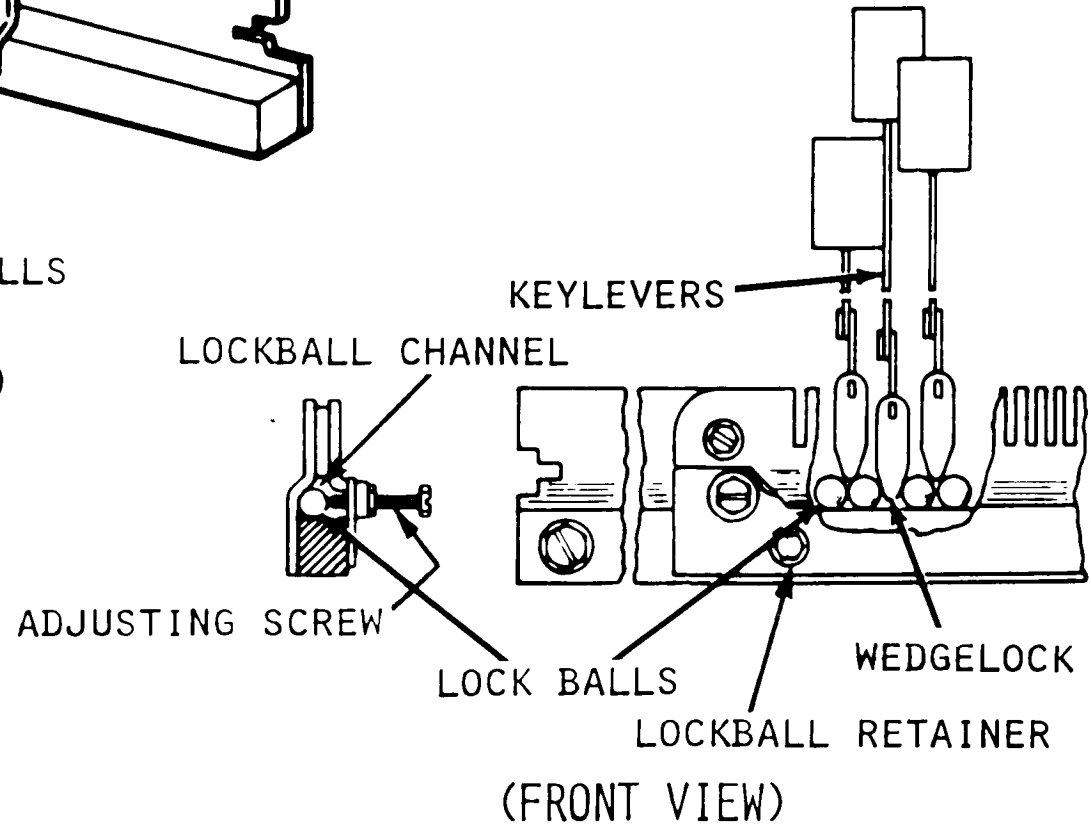
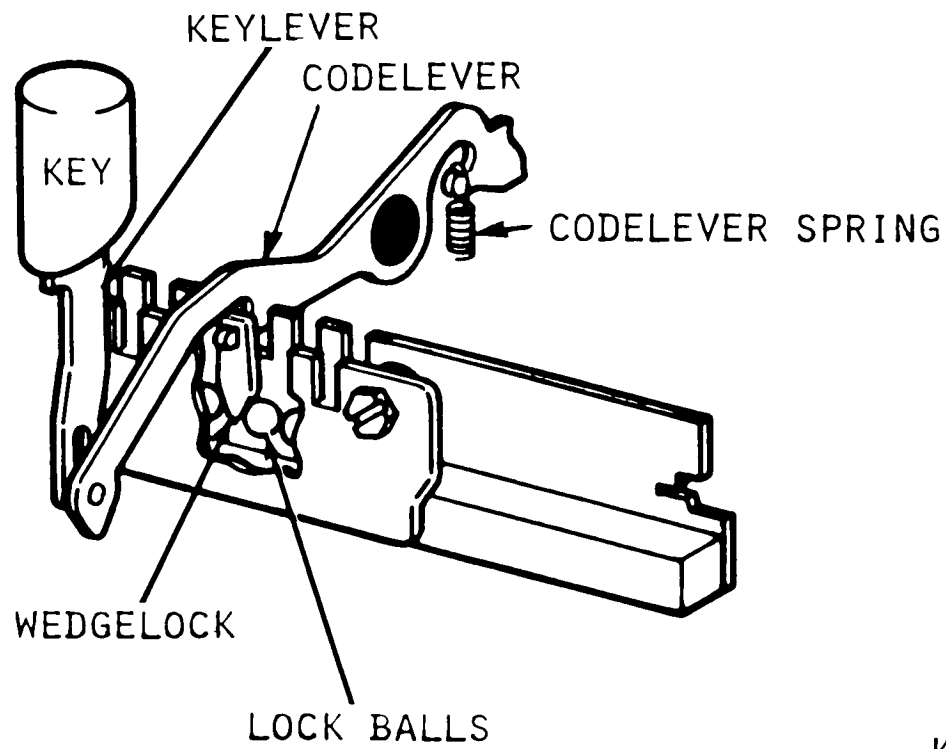
Keyboard Lock Priming Mechanism
(Right Side View)



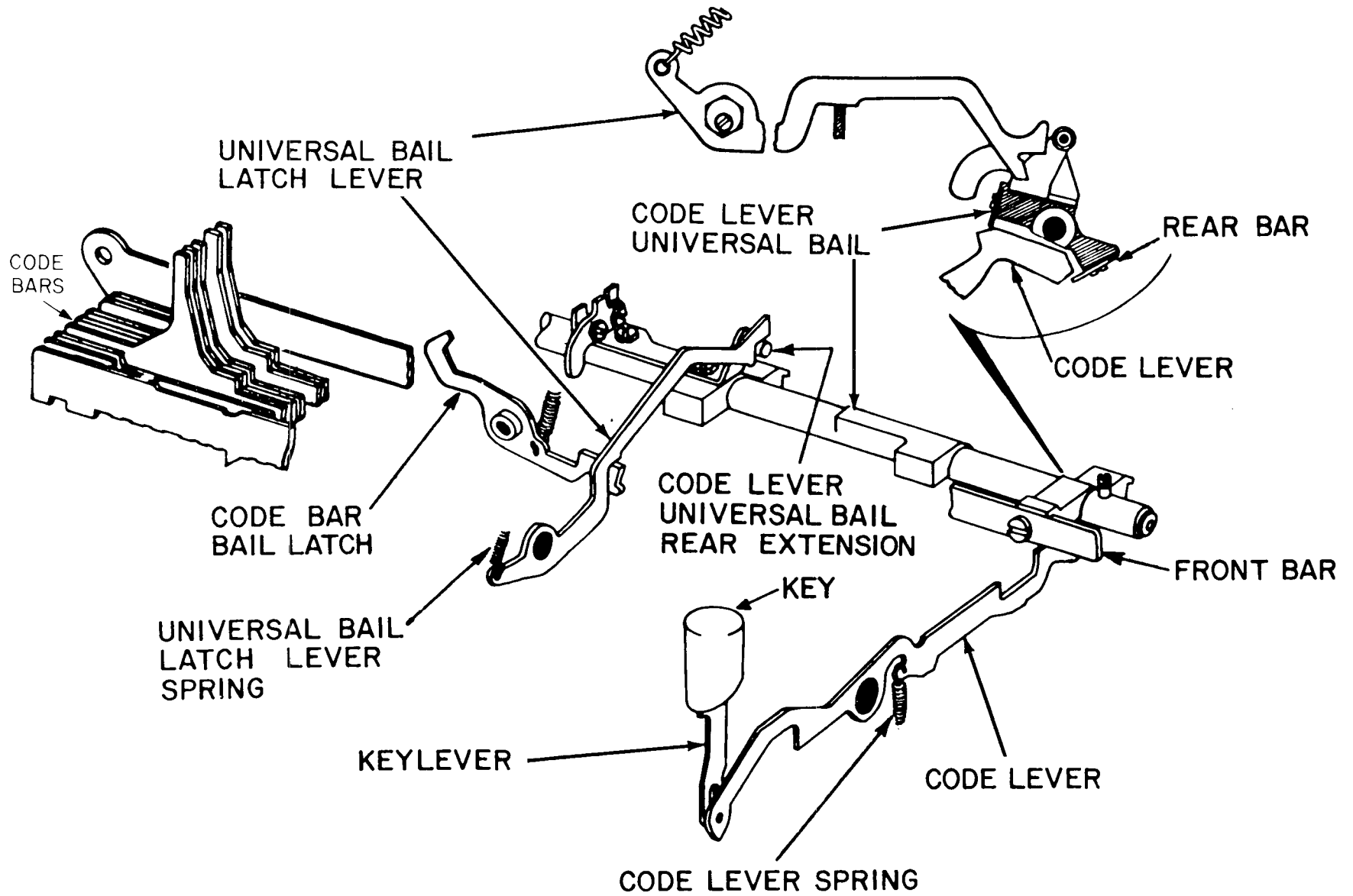
MOD 28 ASR-AN/UGC-6K- REMOTE KEYBOARD LOCK FUNCTION (RIGHT VIEW)



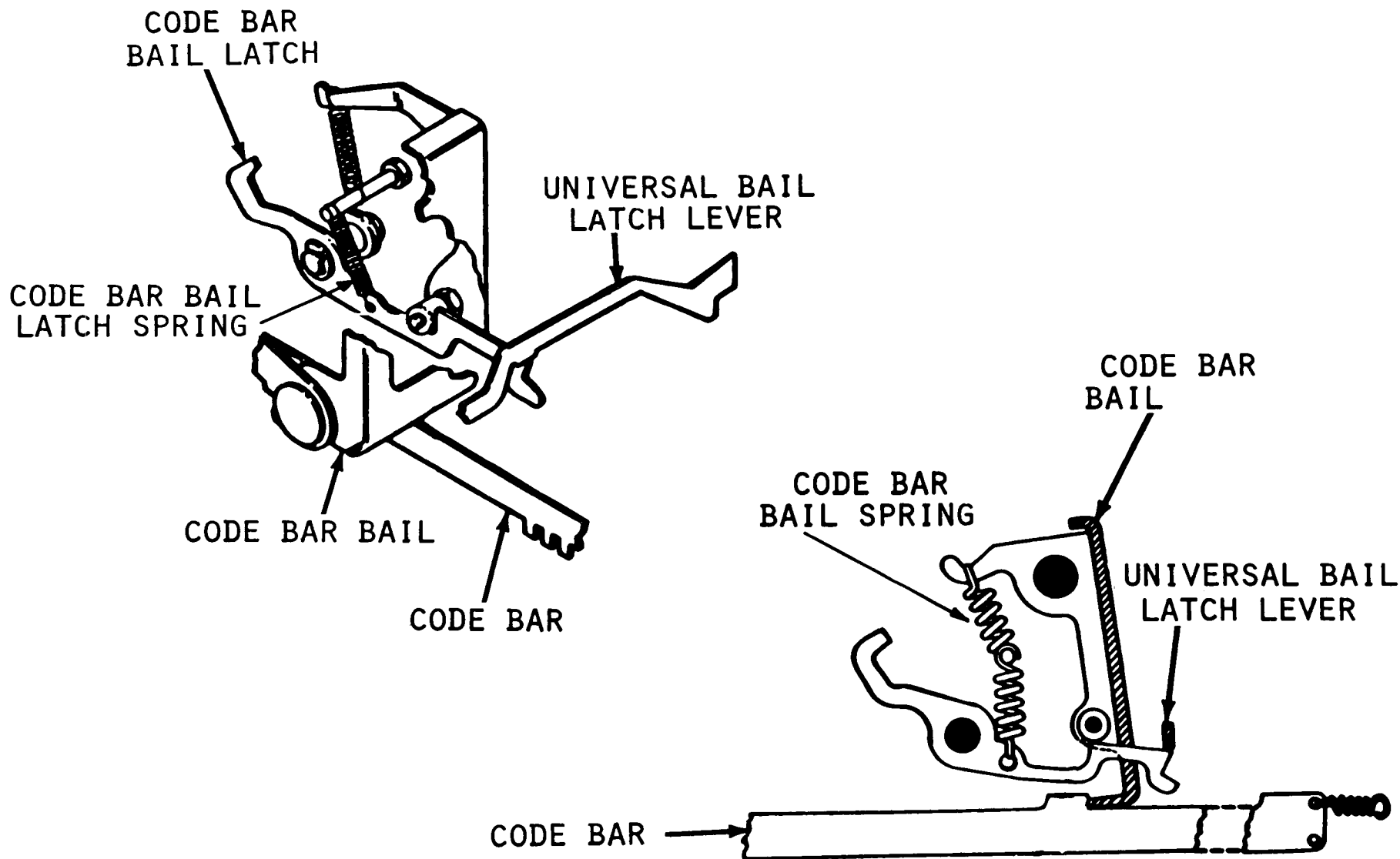
MOD 28 ASR-AN/UGC-6K- LOCKBAR MECHANISM



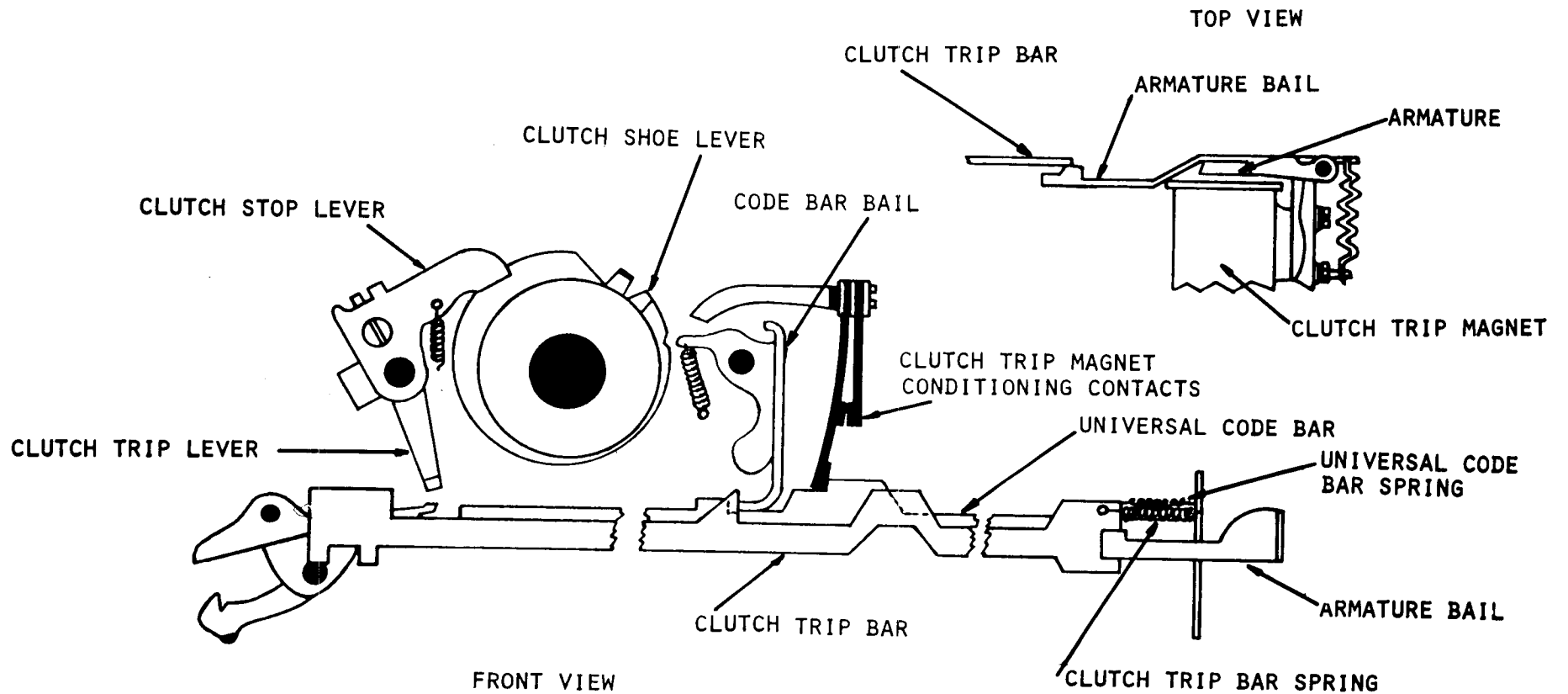
MOD 28 ASR-AN/UGC-6K- LOCKBALL MECHANISM



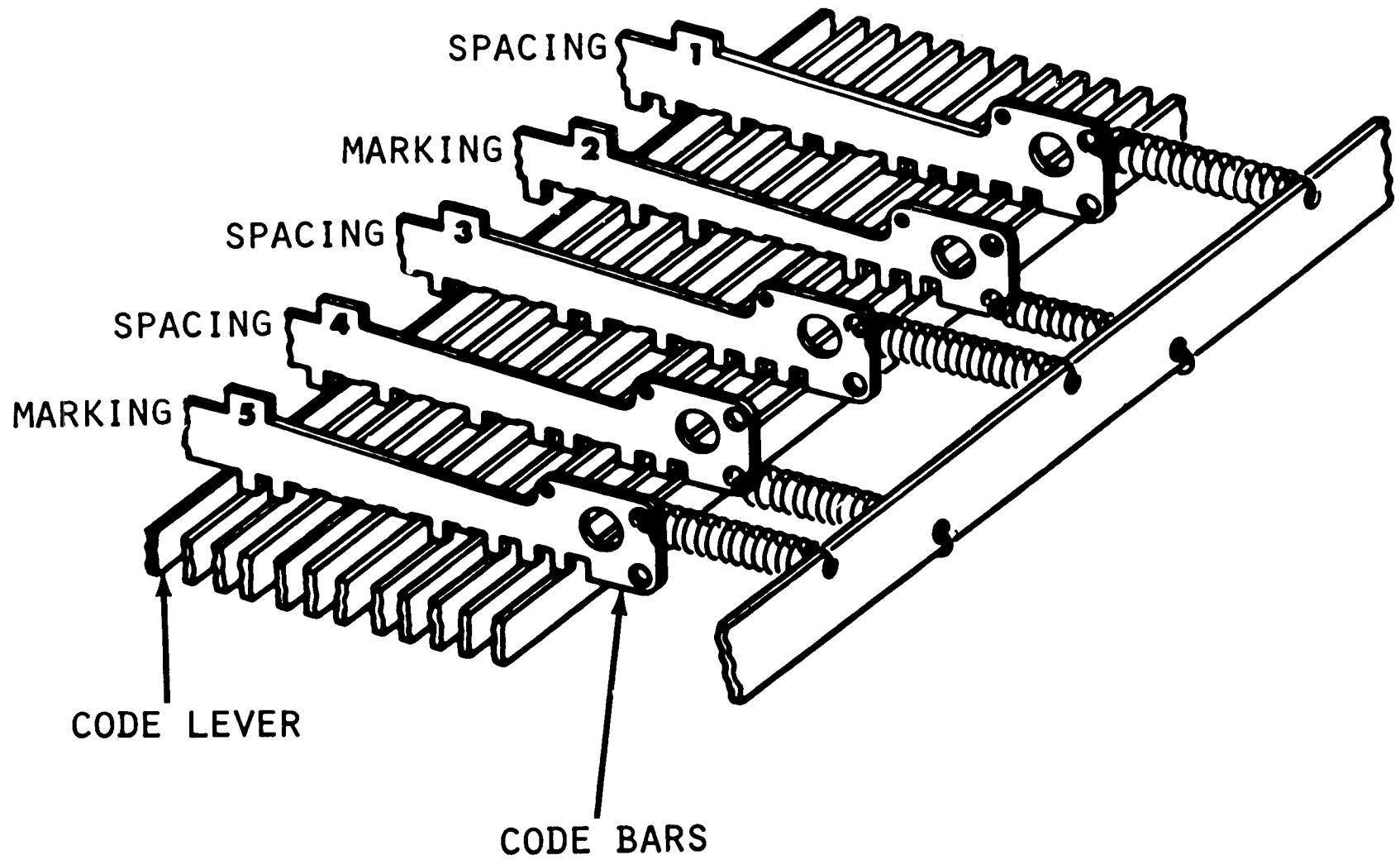
MOD 28 ASR-AN/UGC-6K KEYBOARD MECHANISM No.1 (RIGHT FRONT VIEW)



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

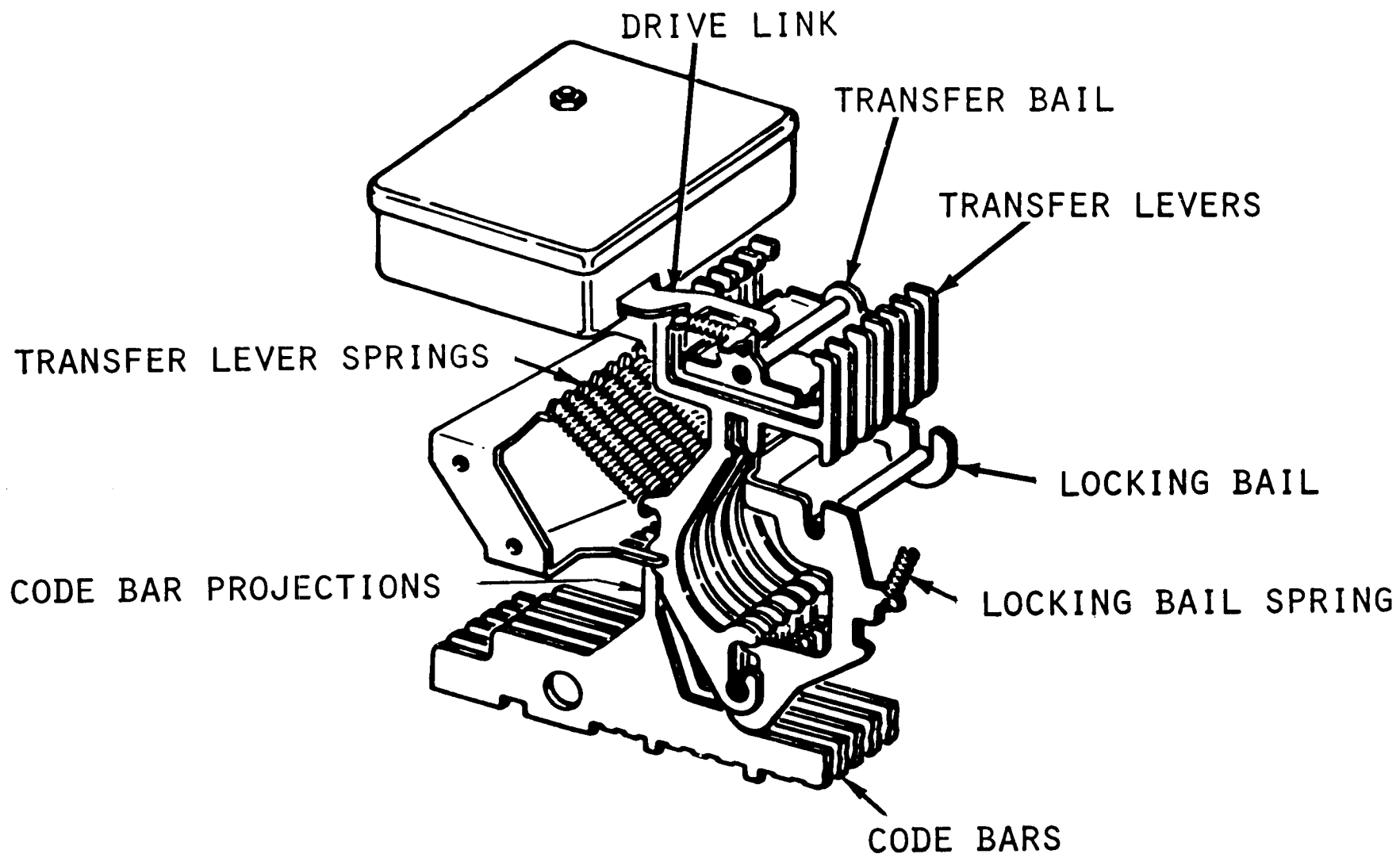


MOD 28 ASR-AN/UGC-6K SIGNAL GENERATOR CLUTCH TRIP



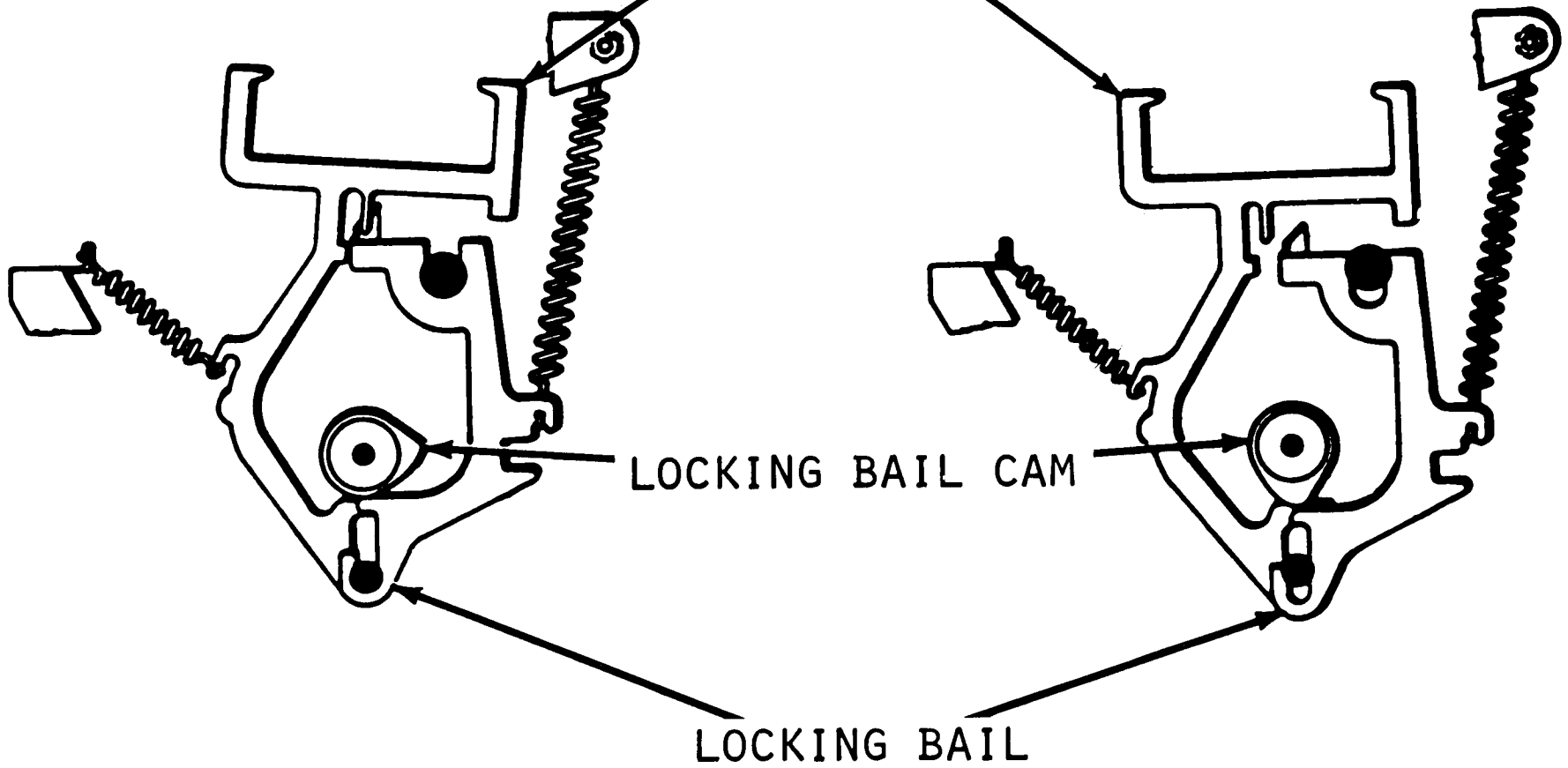
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MOD 28 ASR-AN/UGC-6K- CODE BAR SELECTION (RIGHT FRONT VIEW)



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

TRANSFER LEVERS



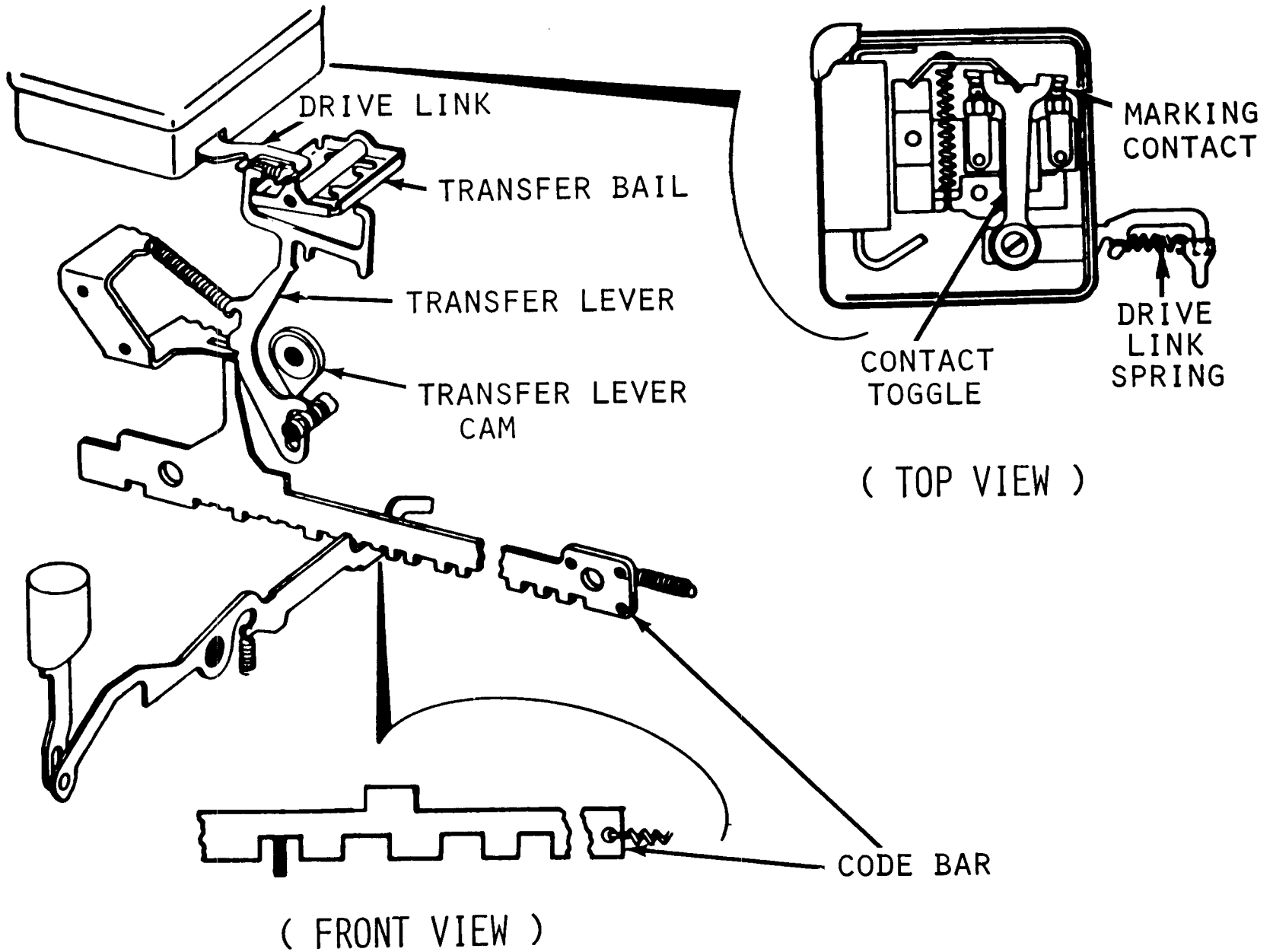
LOCKING BAIL CAM

LOCKING BAIL

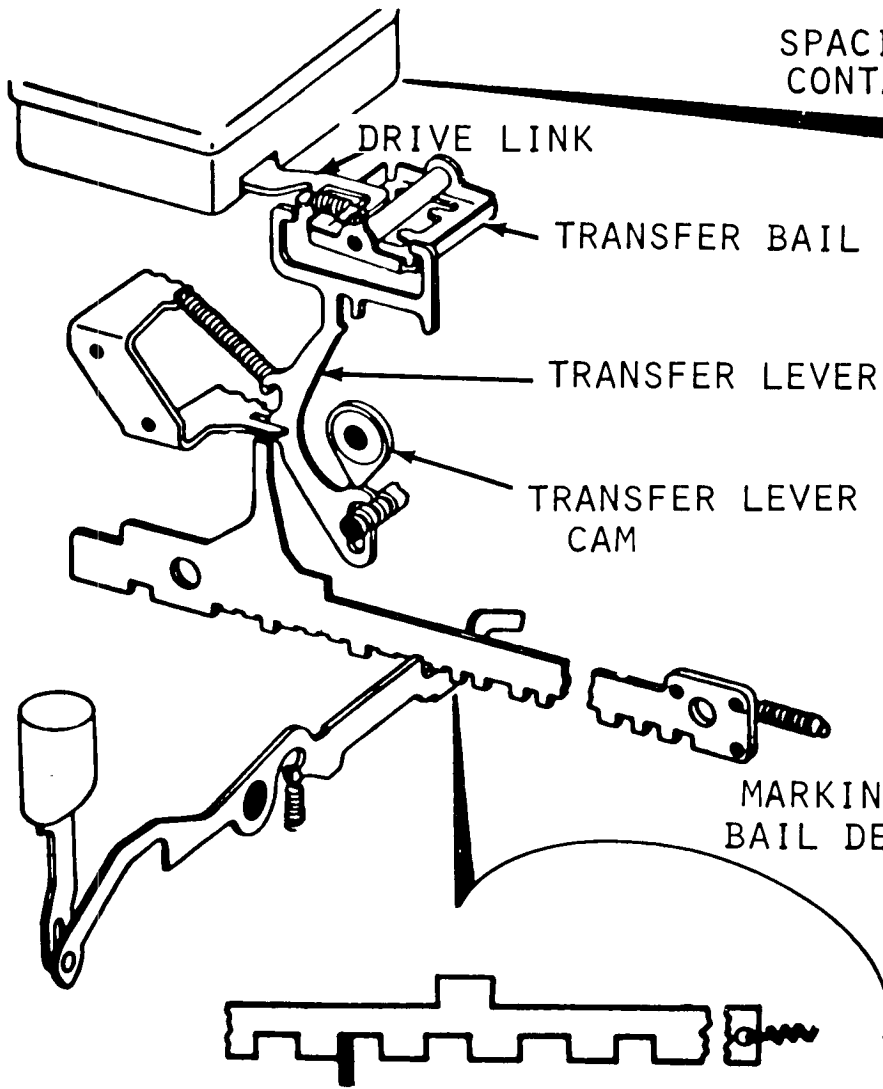
MOD 28 ASR-AN/UGC-6K- LOCKING BAIL

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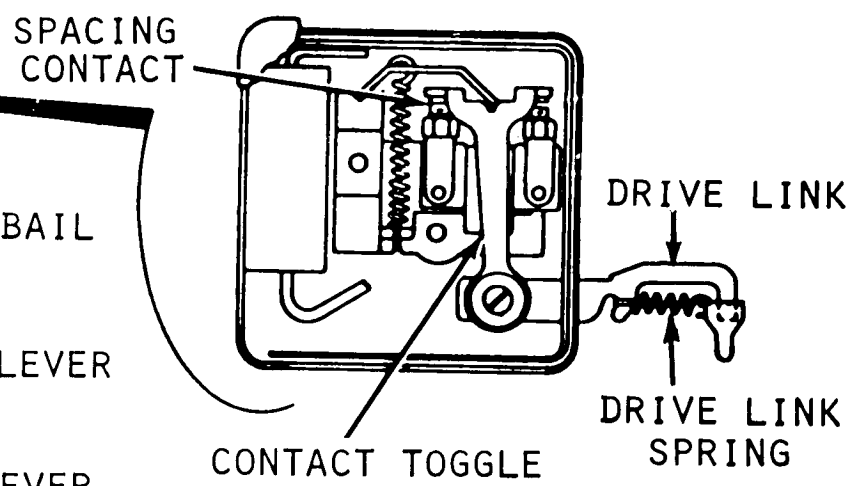
70



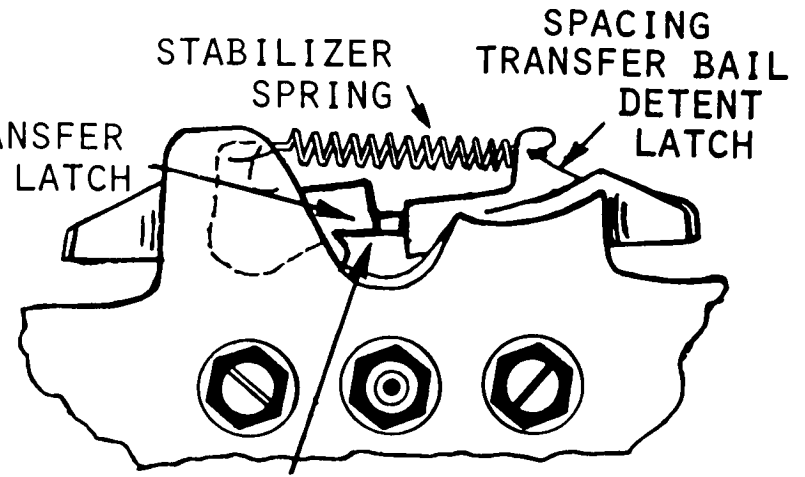
MOD 28 ASR-AN/UGC-6K- SIGNAL CONTACT BOX (MARKING)



(FRONT VIEW)

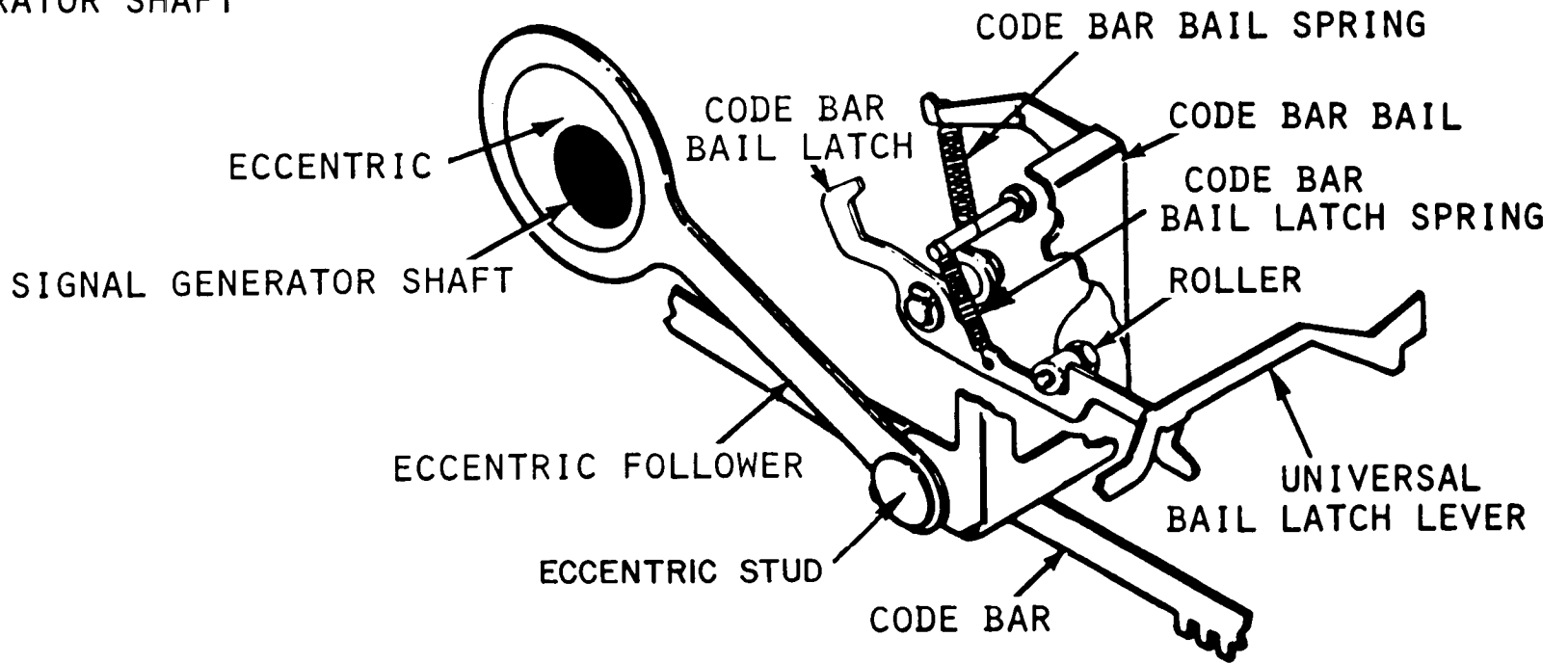
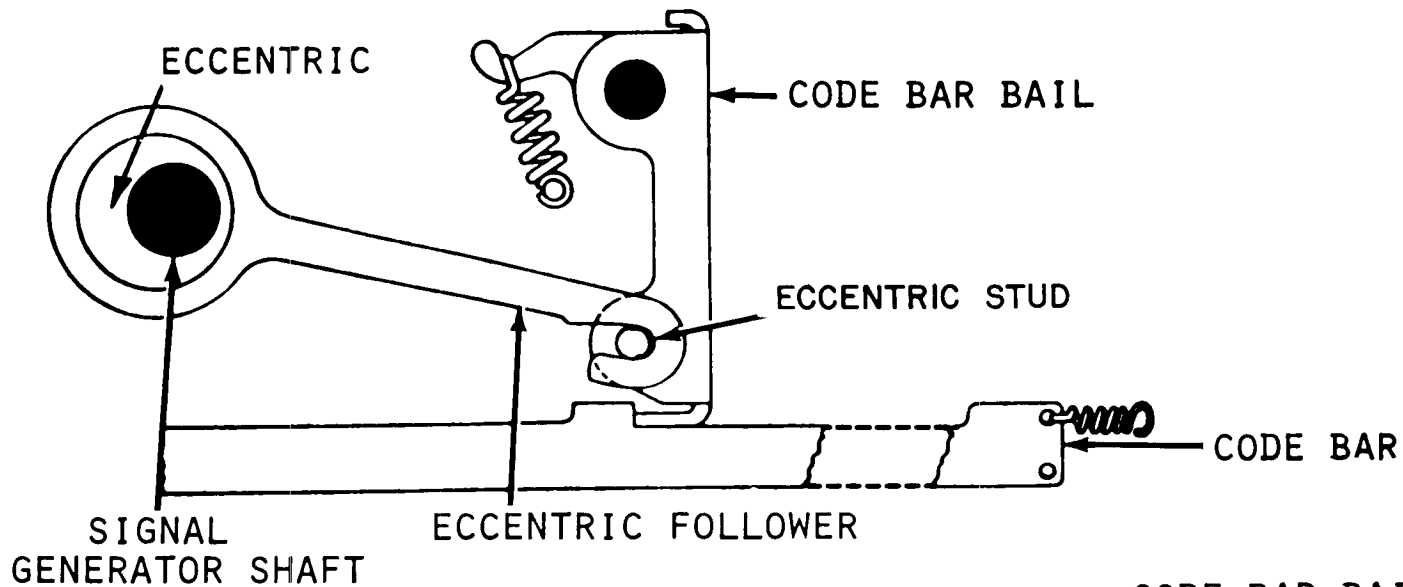


(TOP VIEW)

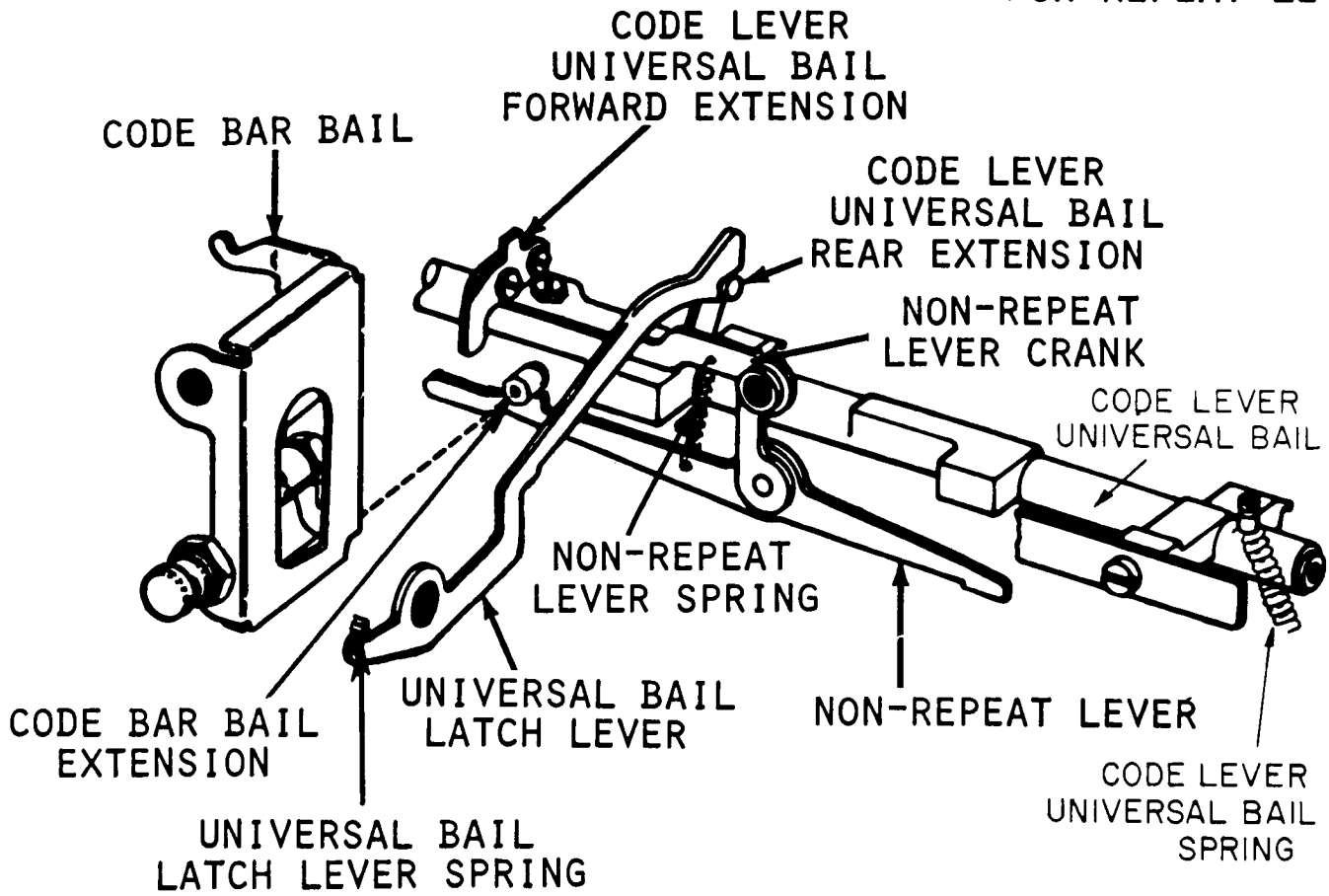
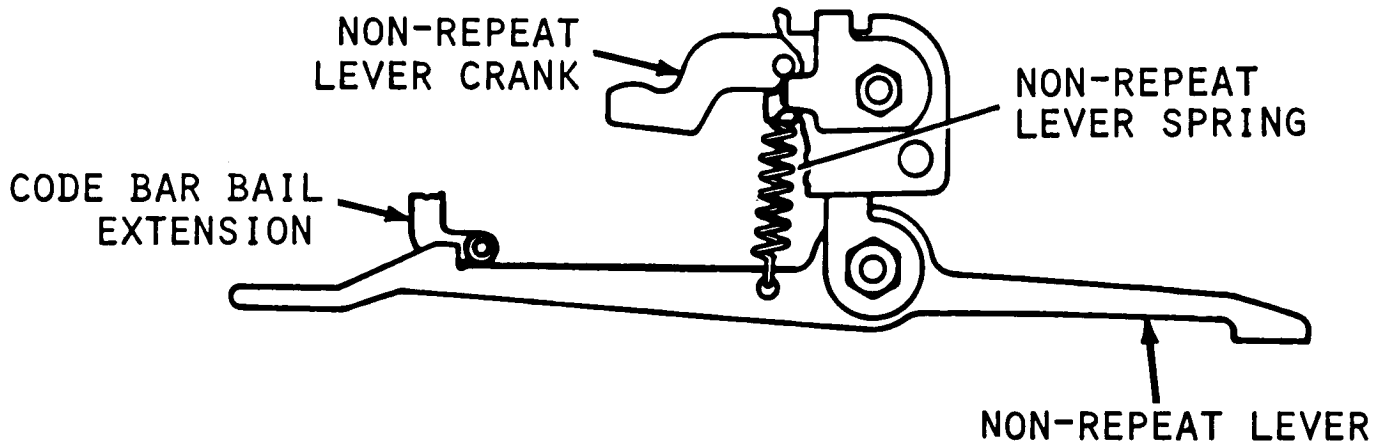


(MARKING CONDITION)

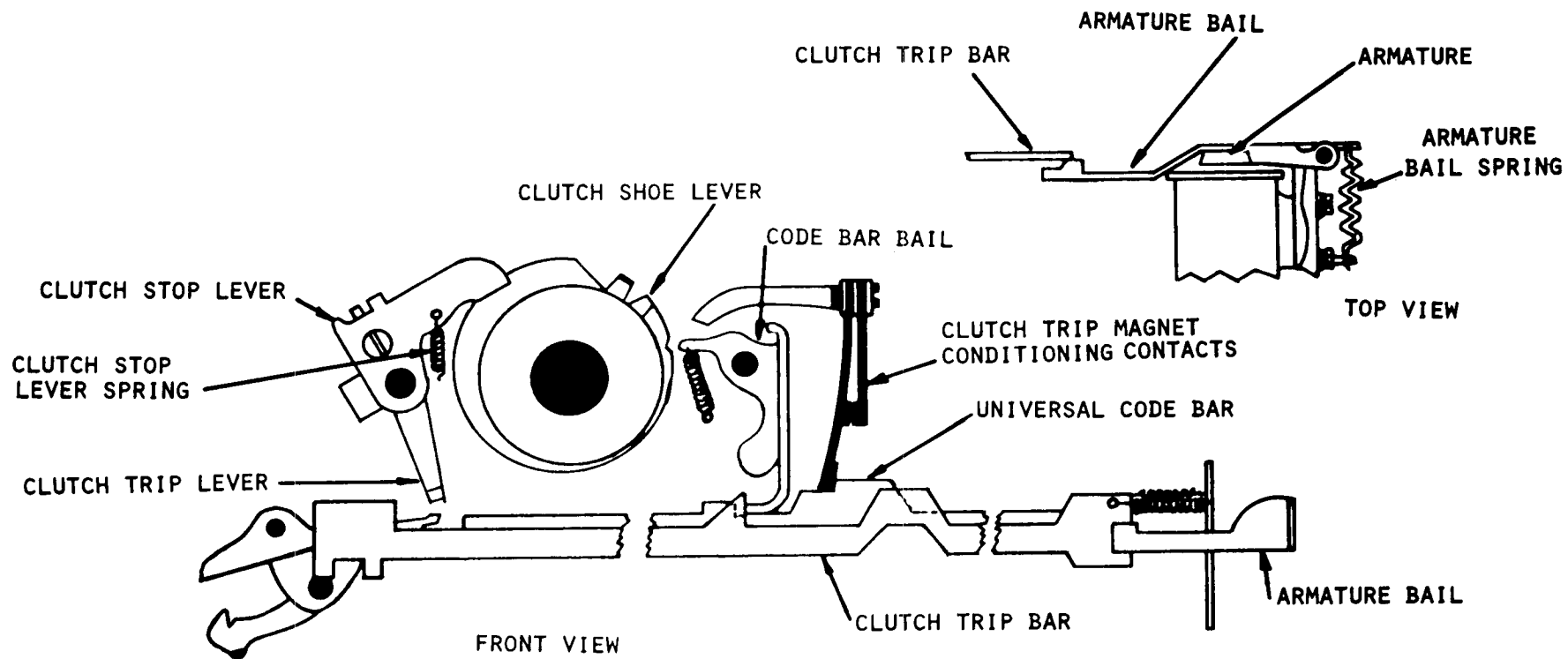
MOD 28 ASR-AN/UGC-6K- SIGNAL CONTACT BOX (SPACING)



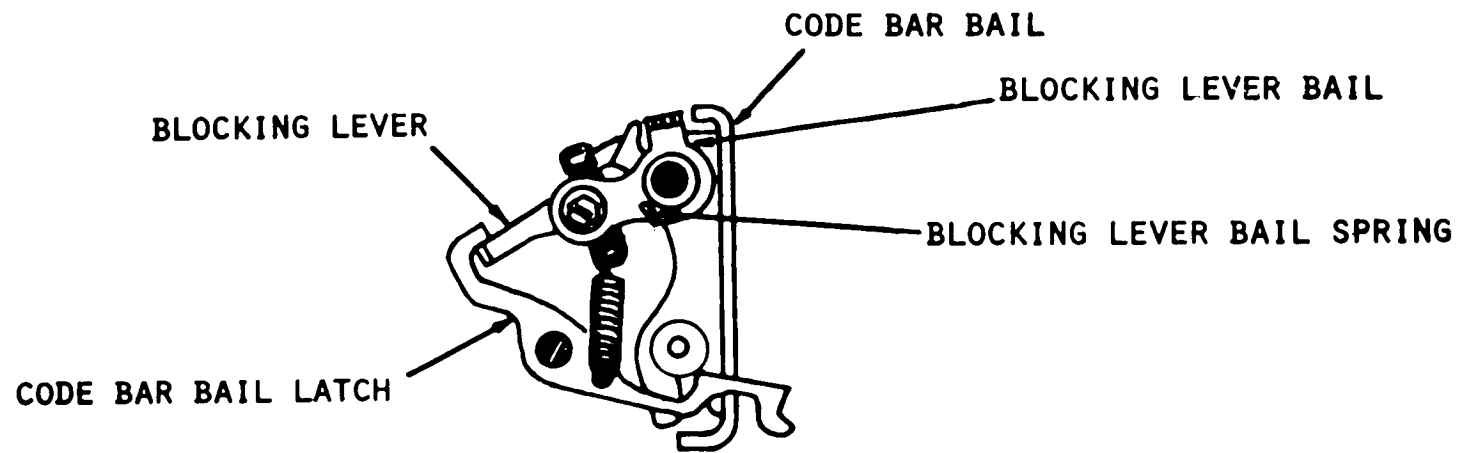
MOD 28 ASR-AN/UGC- KEYBOARD RESET #1



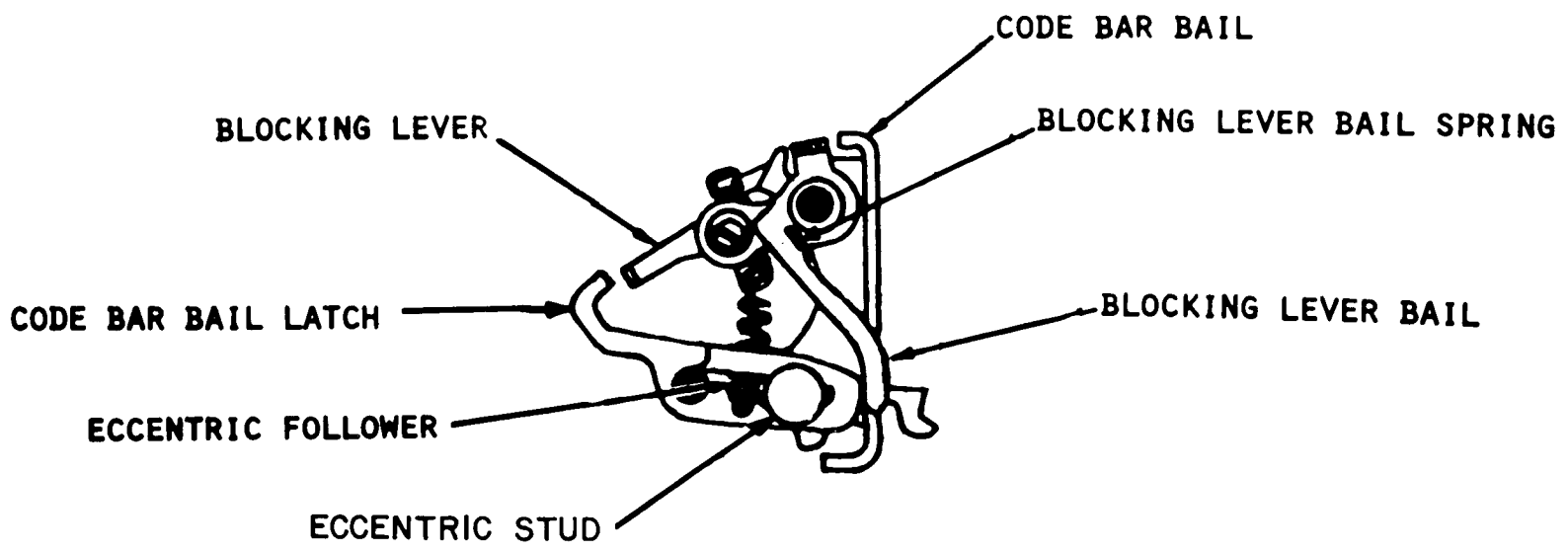
MOD 28 ASR-AN/UGC-6K- KEYBOARD RESET #2



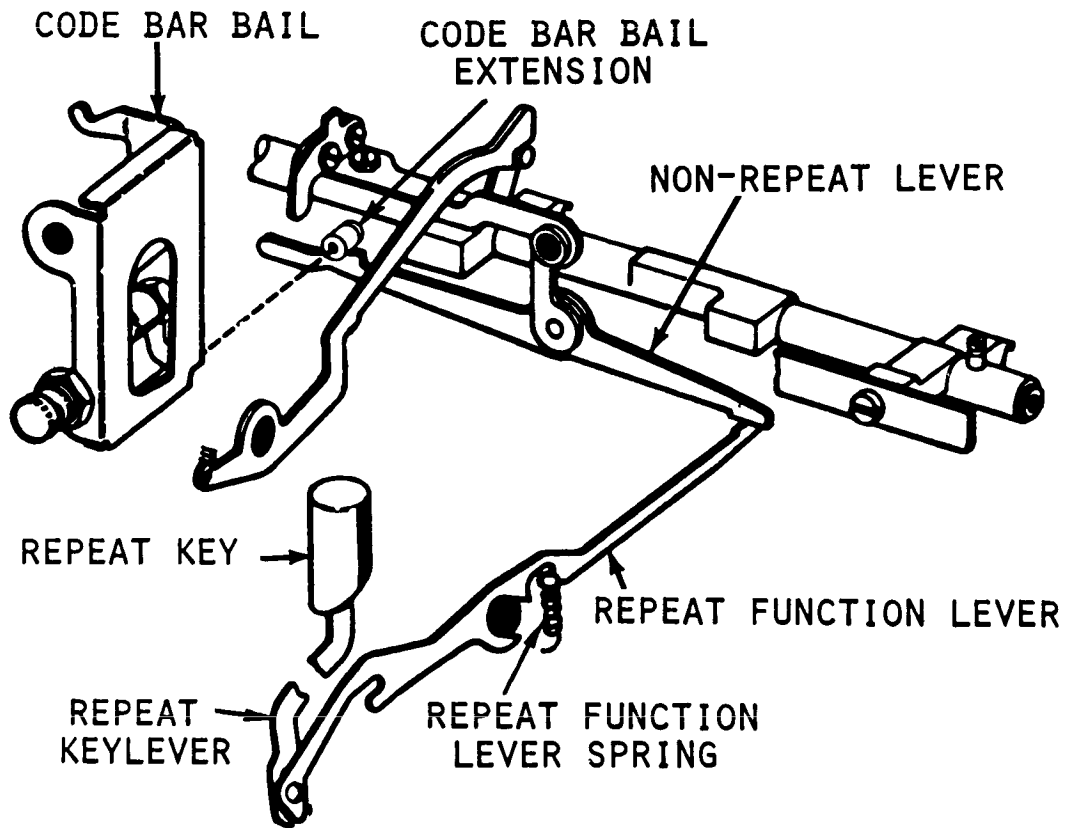
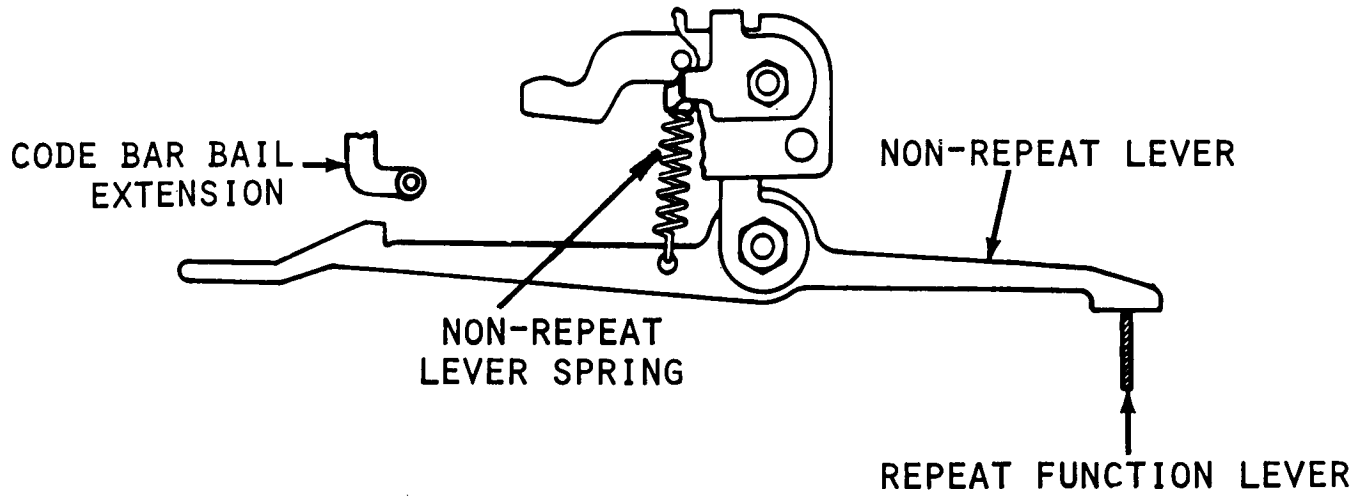
MOD 28 ASR-AN/UGC-6K DISENGAGING SIGNAL GENERATOR CLUTCH



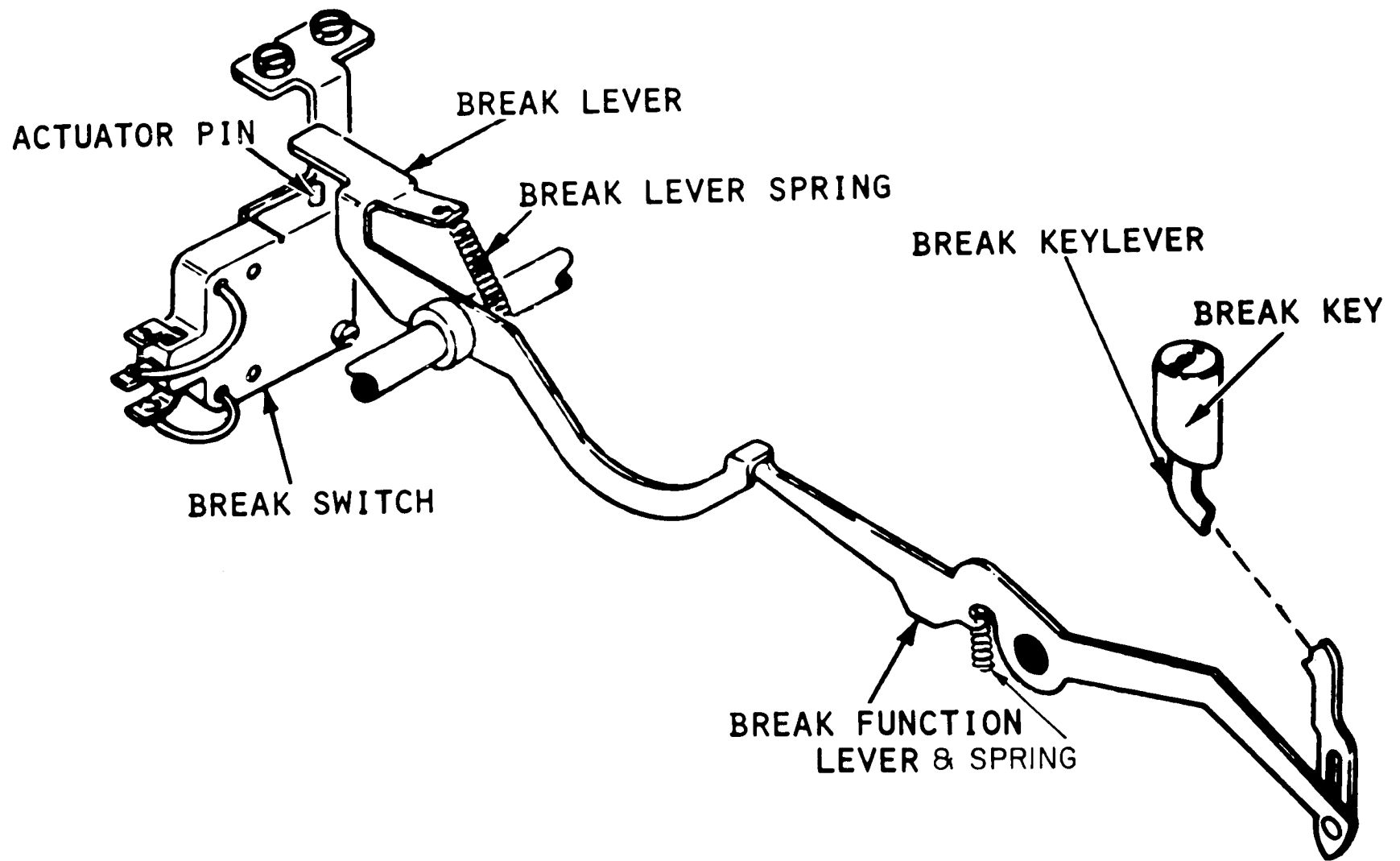
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MOD 28 ASR-AN/UGC-6K CLUTCH TRIP DELAY



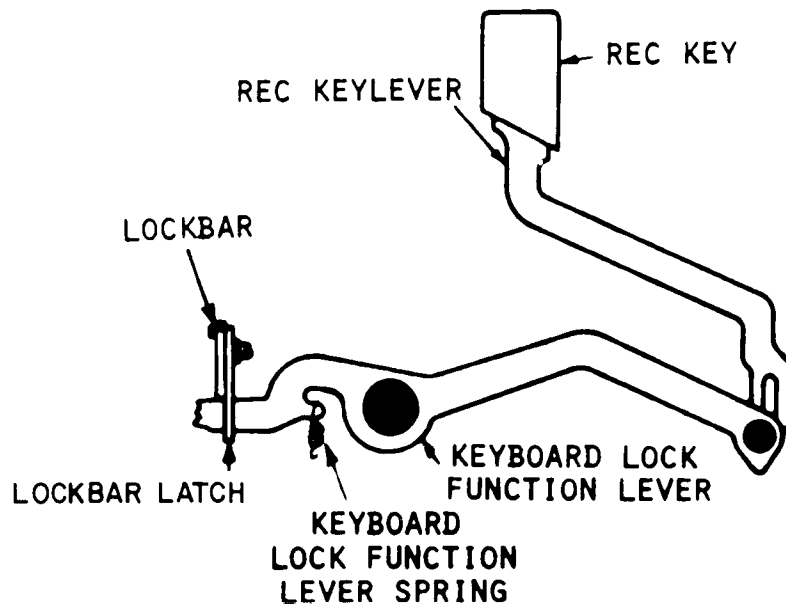
MOD 28 ASR-AN/UGC-6K- REPEAT KEY OPERATION



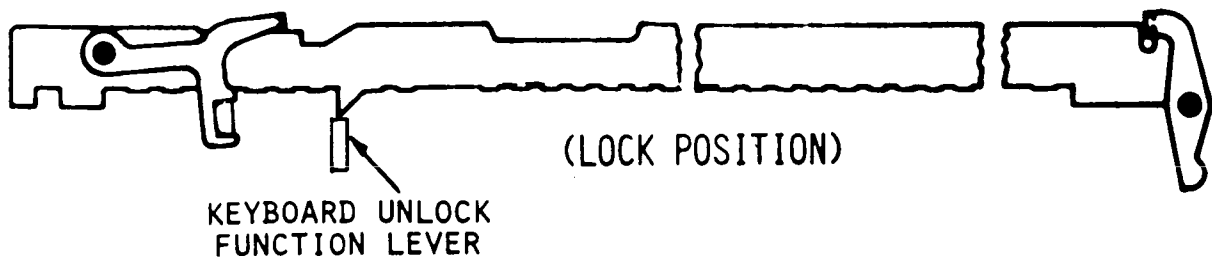
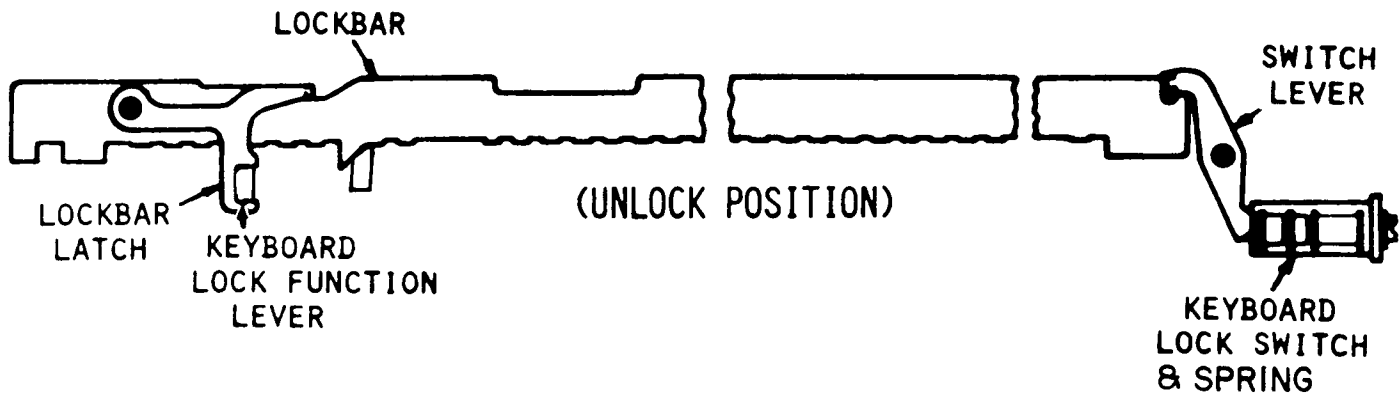
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MOD 28 ASR-AN/UGC-6K- LINE BREAK MECHANISM

3-1-15D

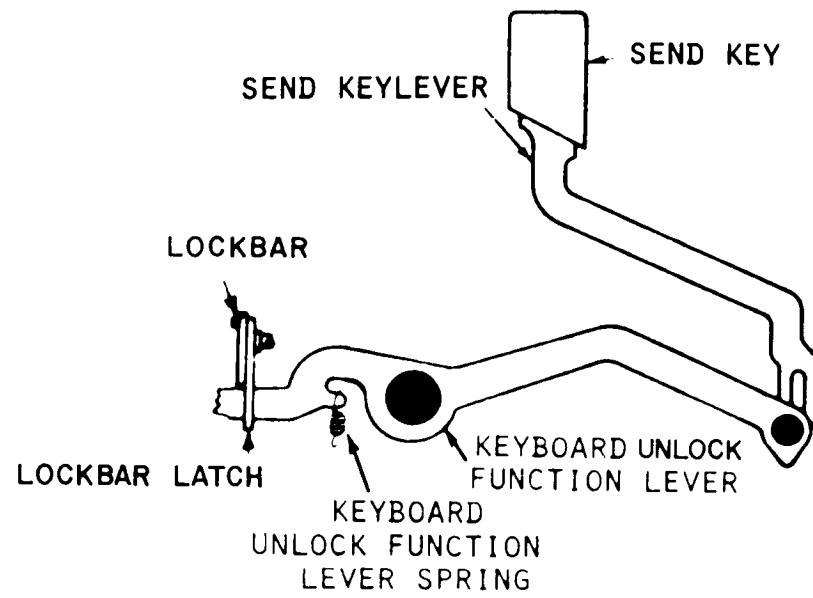


(LEFT VIEW)

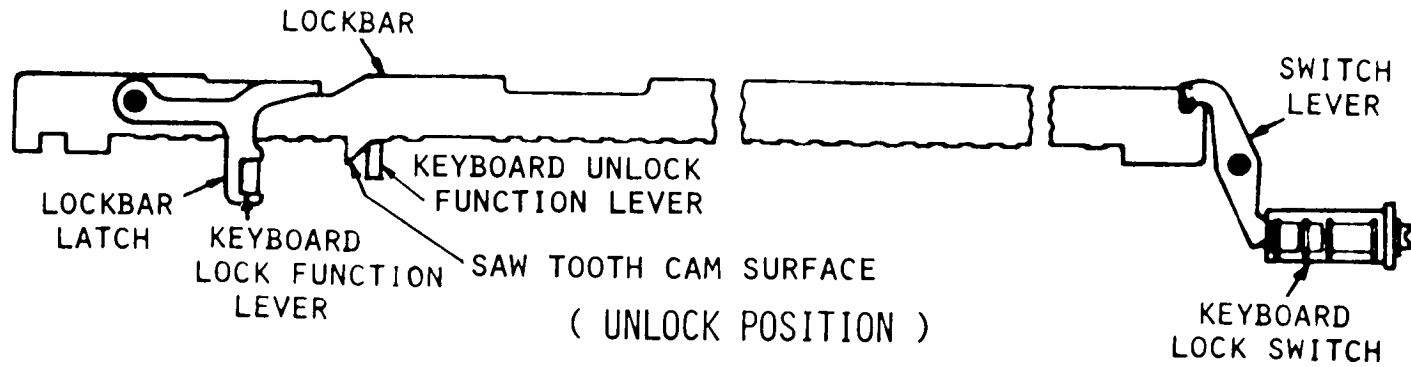


(FRONT VIEW)

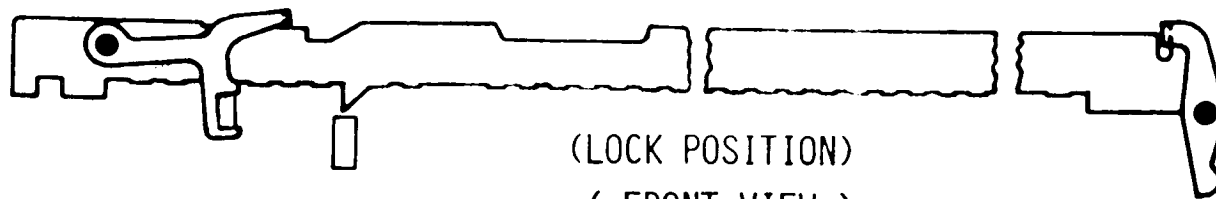
MOD 28 ASR-AN/UGC-6K- LOCAL KEYBOARD LOCK



(LEFT VIEW)

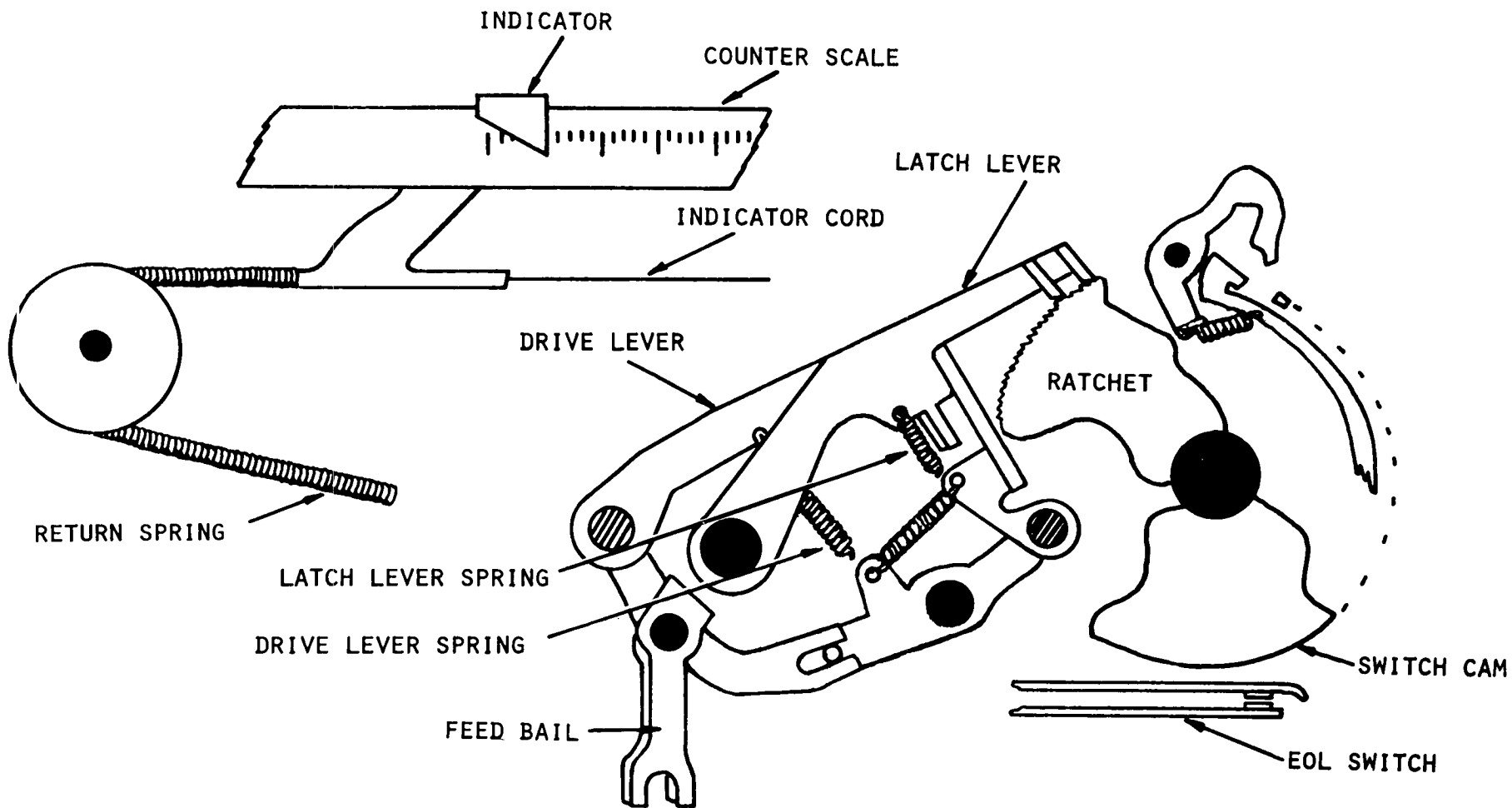


(UNLOCK POSITION)

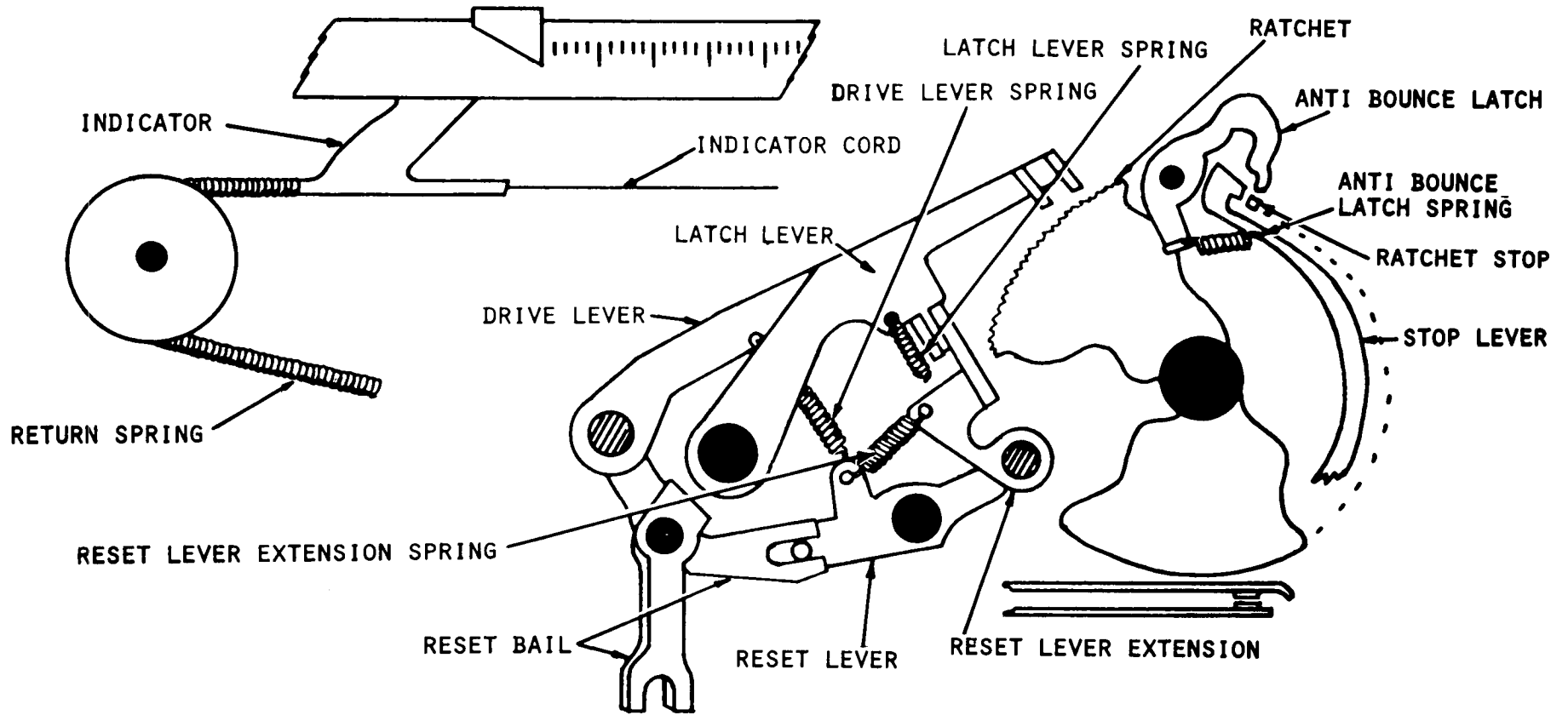


(LOCK POSITION)
(FRONT VIEW)

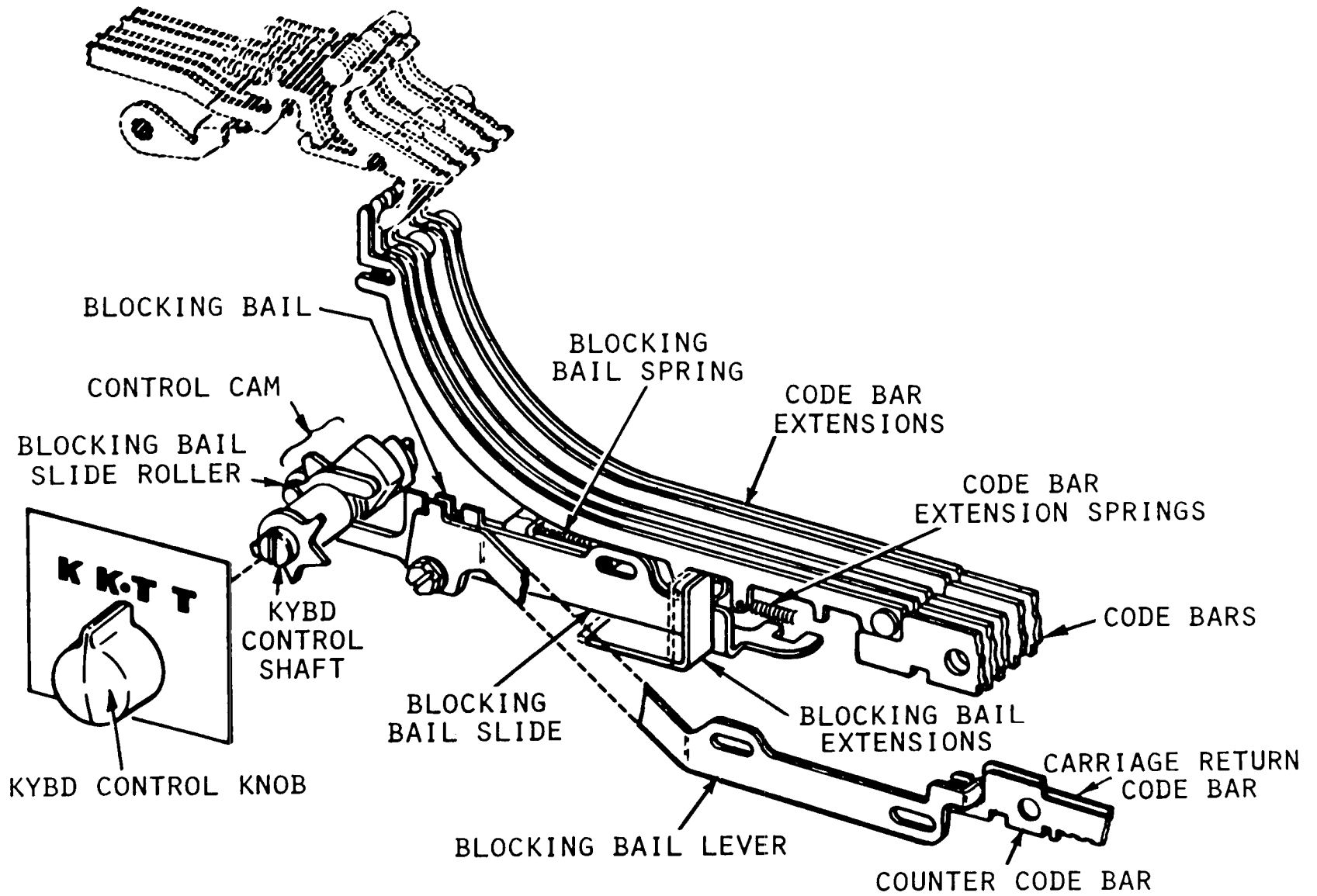
MOD 28 ASR-AN/UGC-6K- KEYBOARD UNLOCK



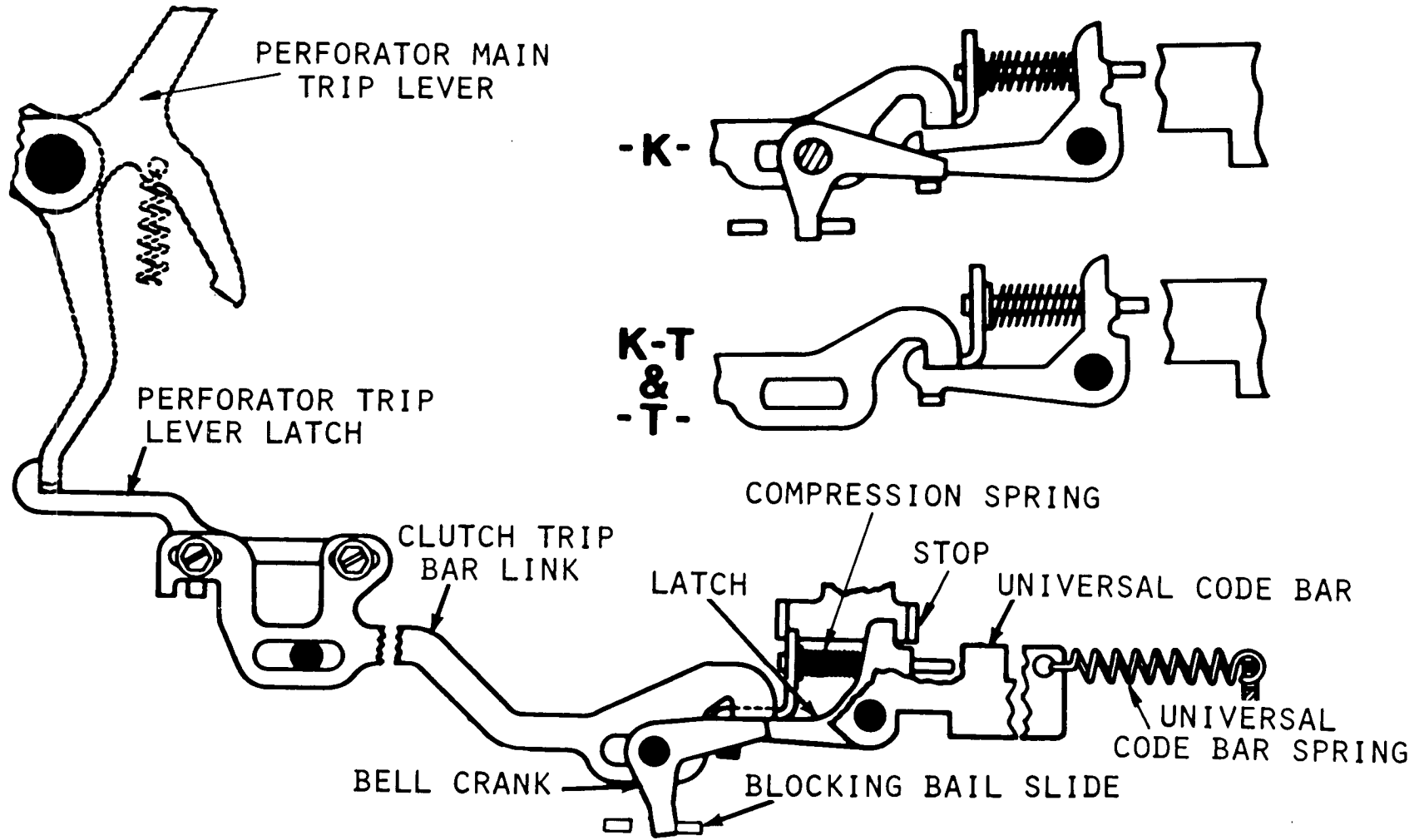
MOD 28 ASR-AN/UGC-6K CHARACTER COUNTER (COUNTING)



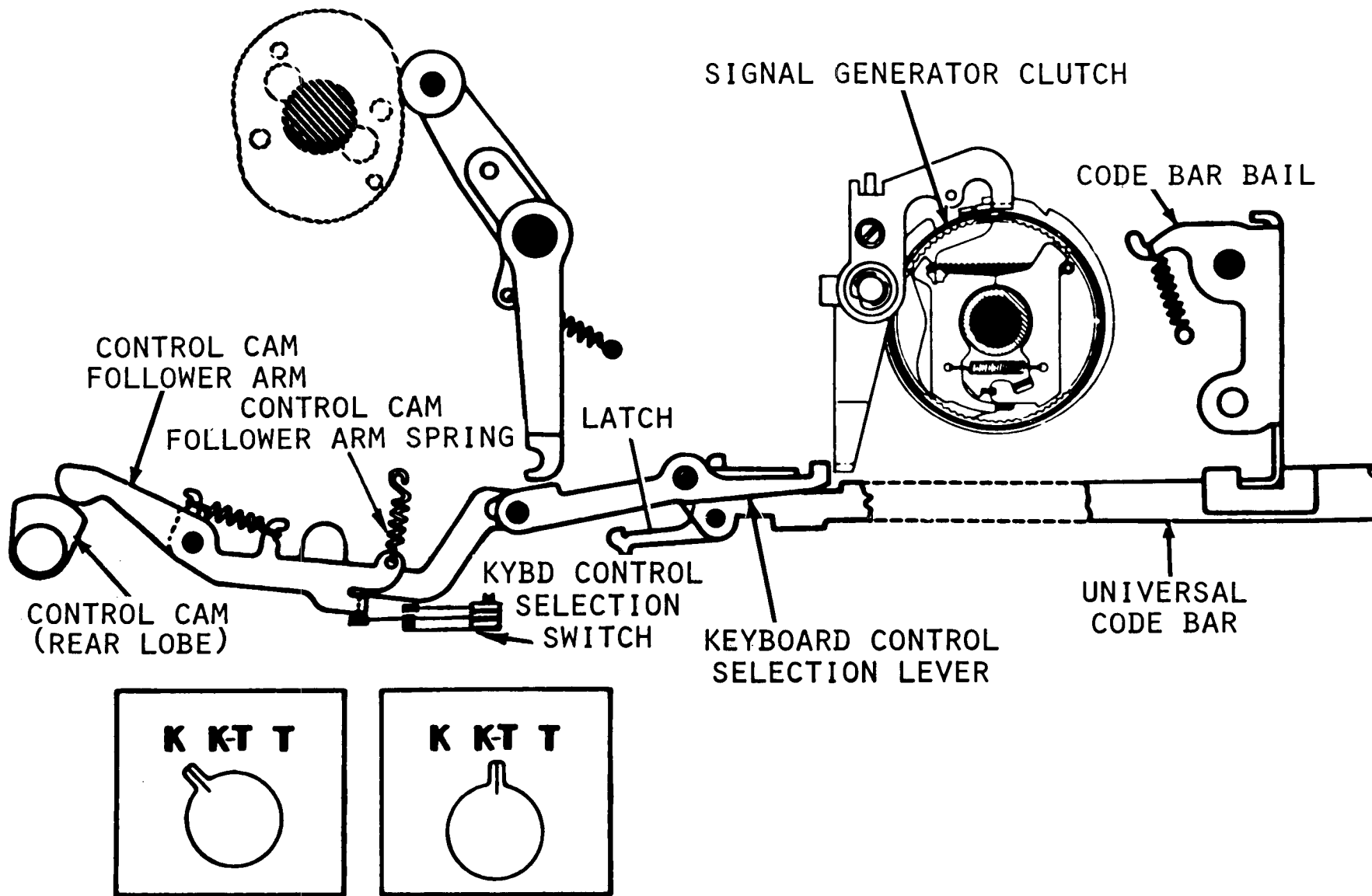
MOD 28 ASR-AN/UGC-6K CHARACTER COUNTER (RESETTING)



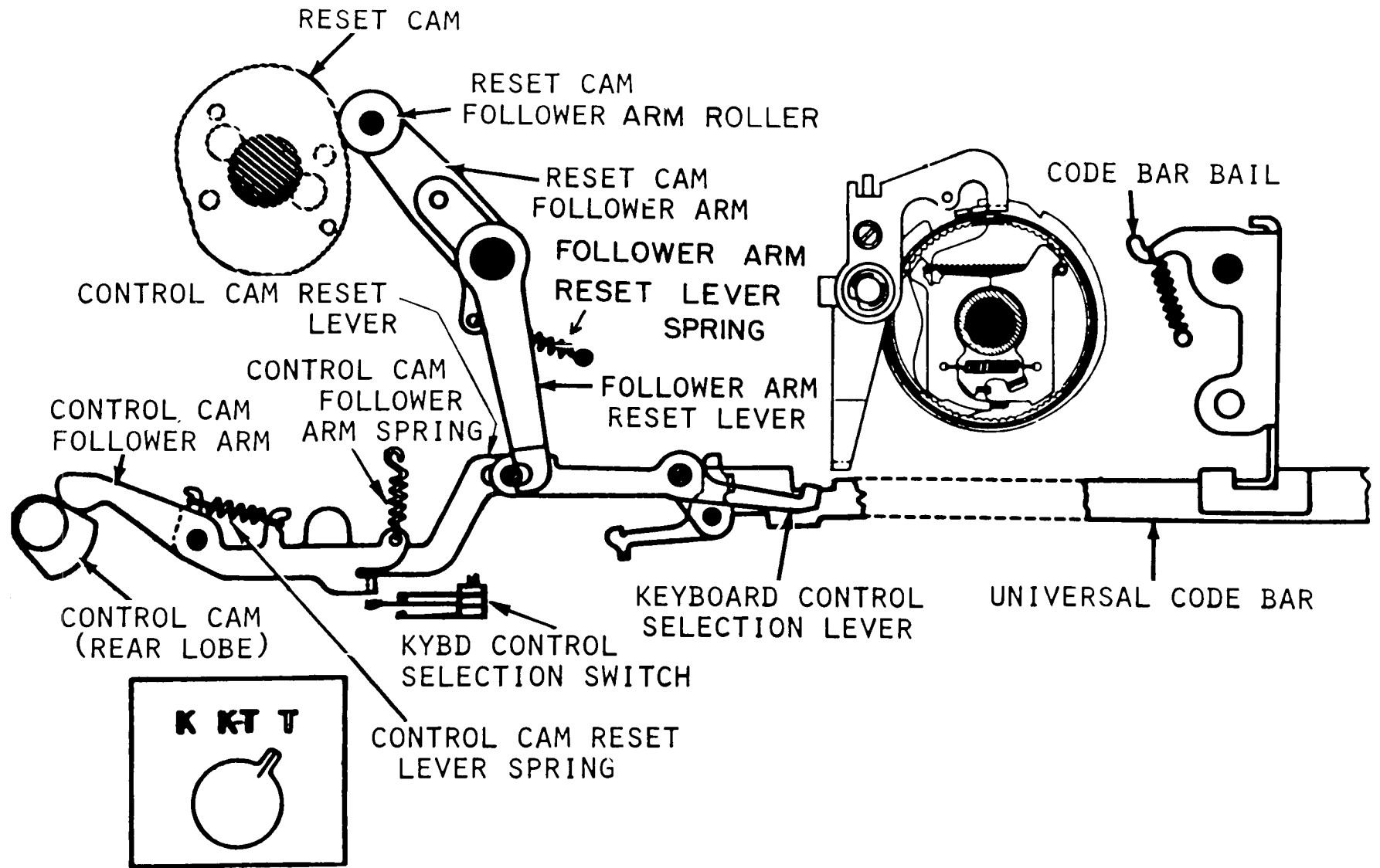
MOD 28 ASR-AN/UGC-6K- BLOCKING BAIL OPERATION



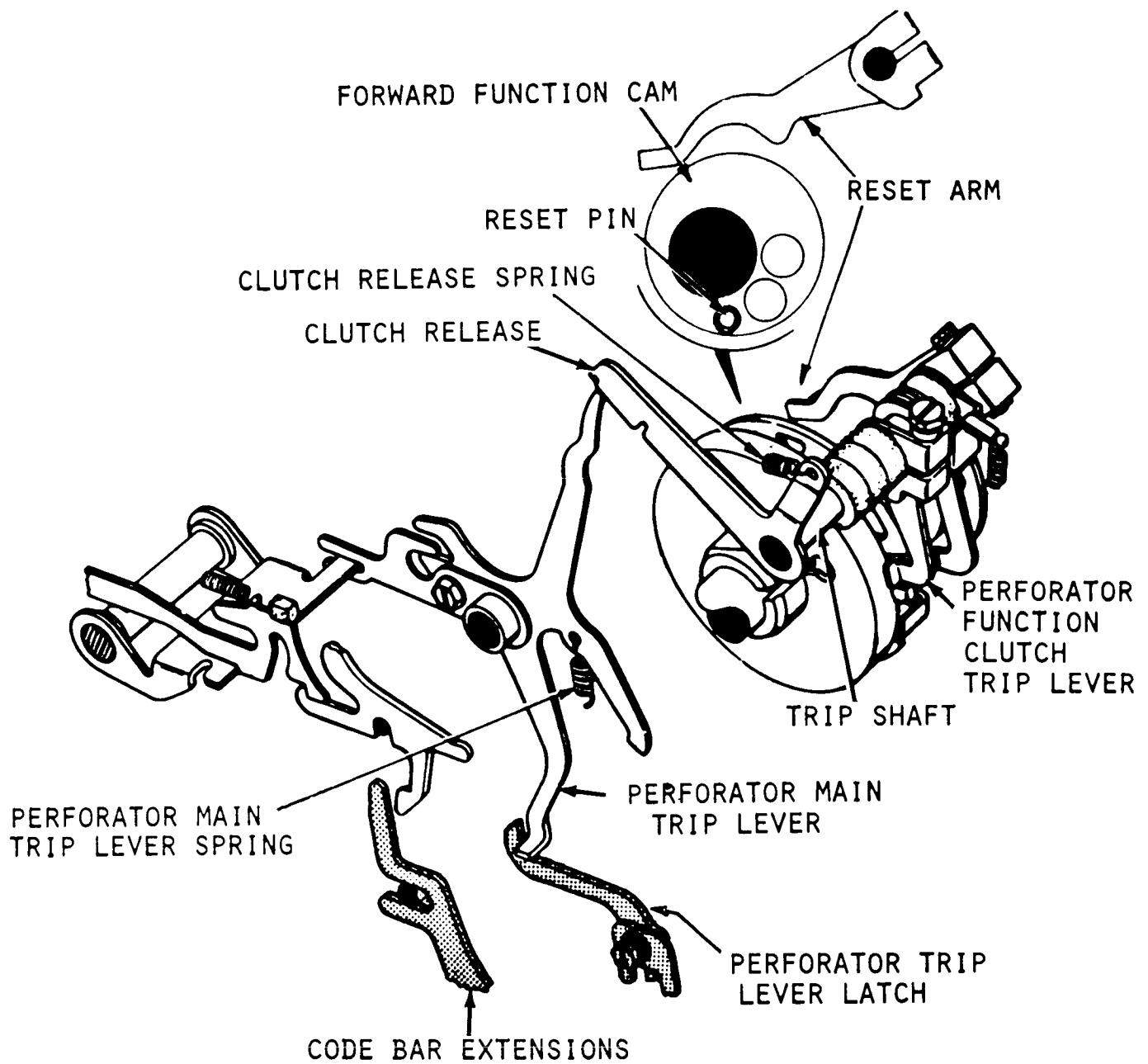
MOD 28 ASR-AN/UGC-6K- BELL CRANK OPERATION



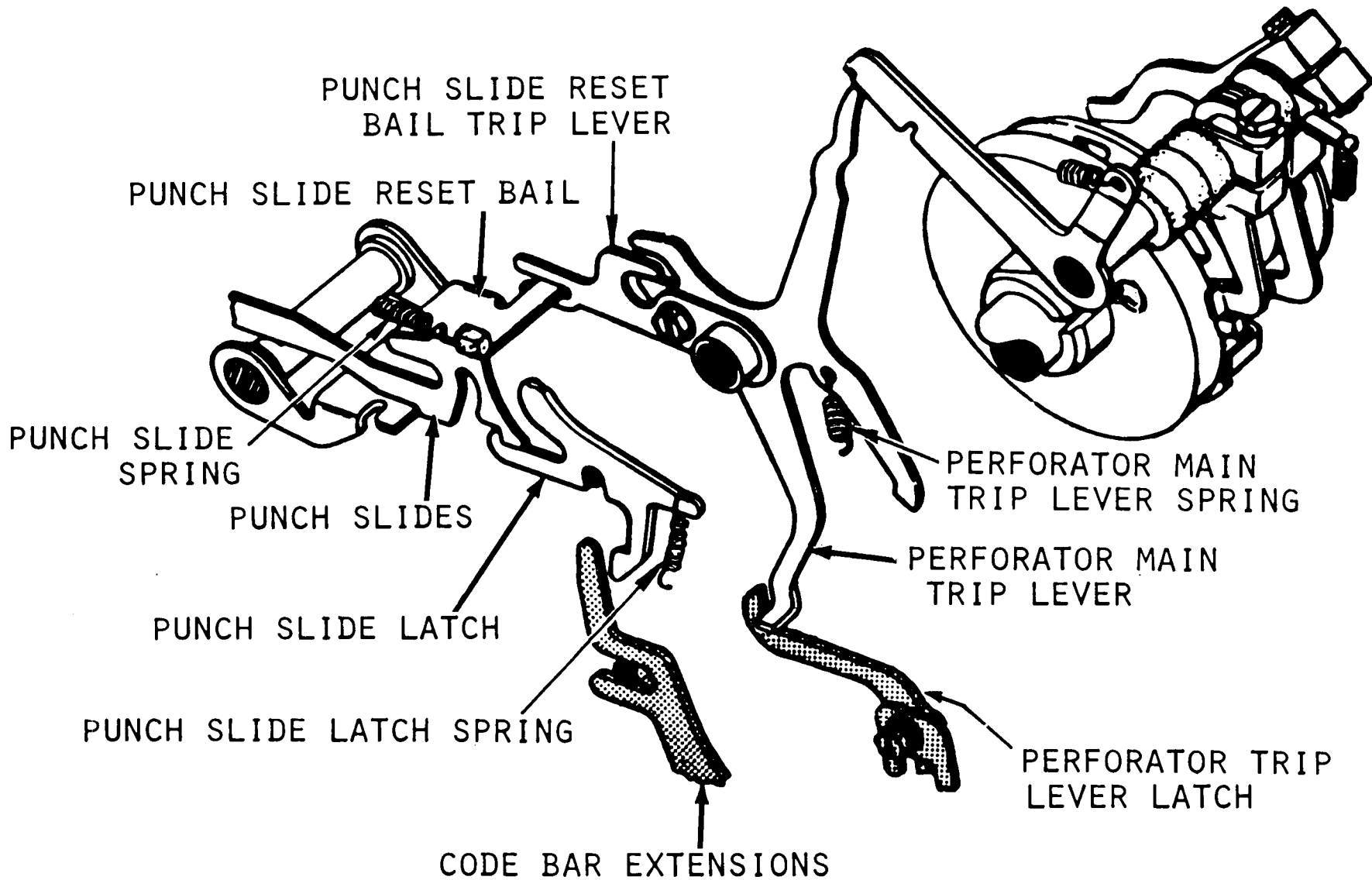
MOD 28 ASR-AN/UGC-6K- KYBD CONTROL SELECTION LEVER (K-KT)



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



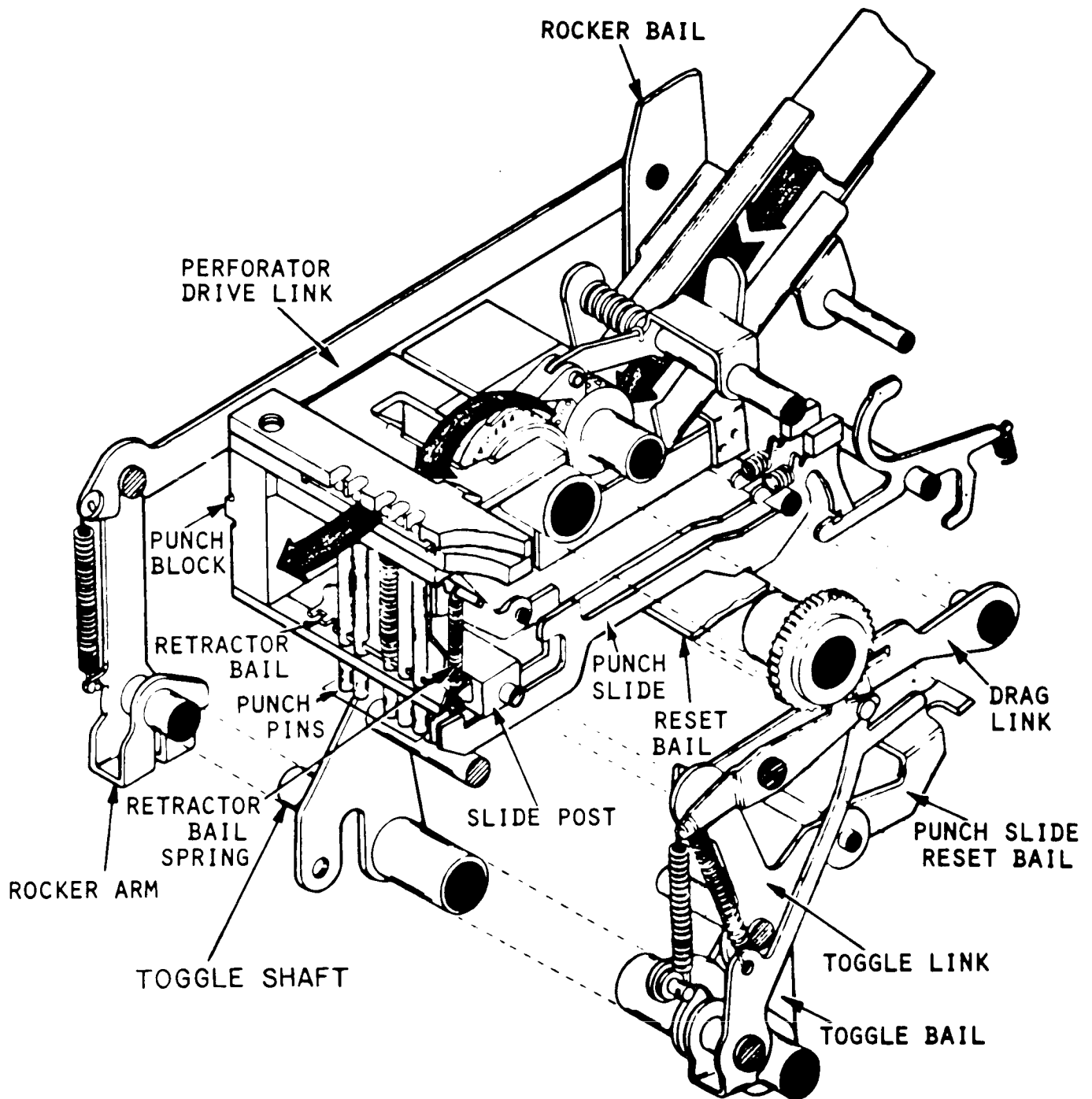
MOD 28 ASR-AN/UGC-6K- PERFORATOR FUNCTION CLUTCH TRIP



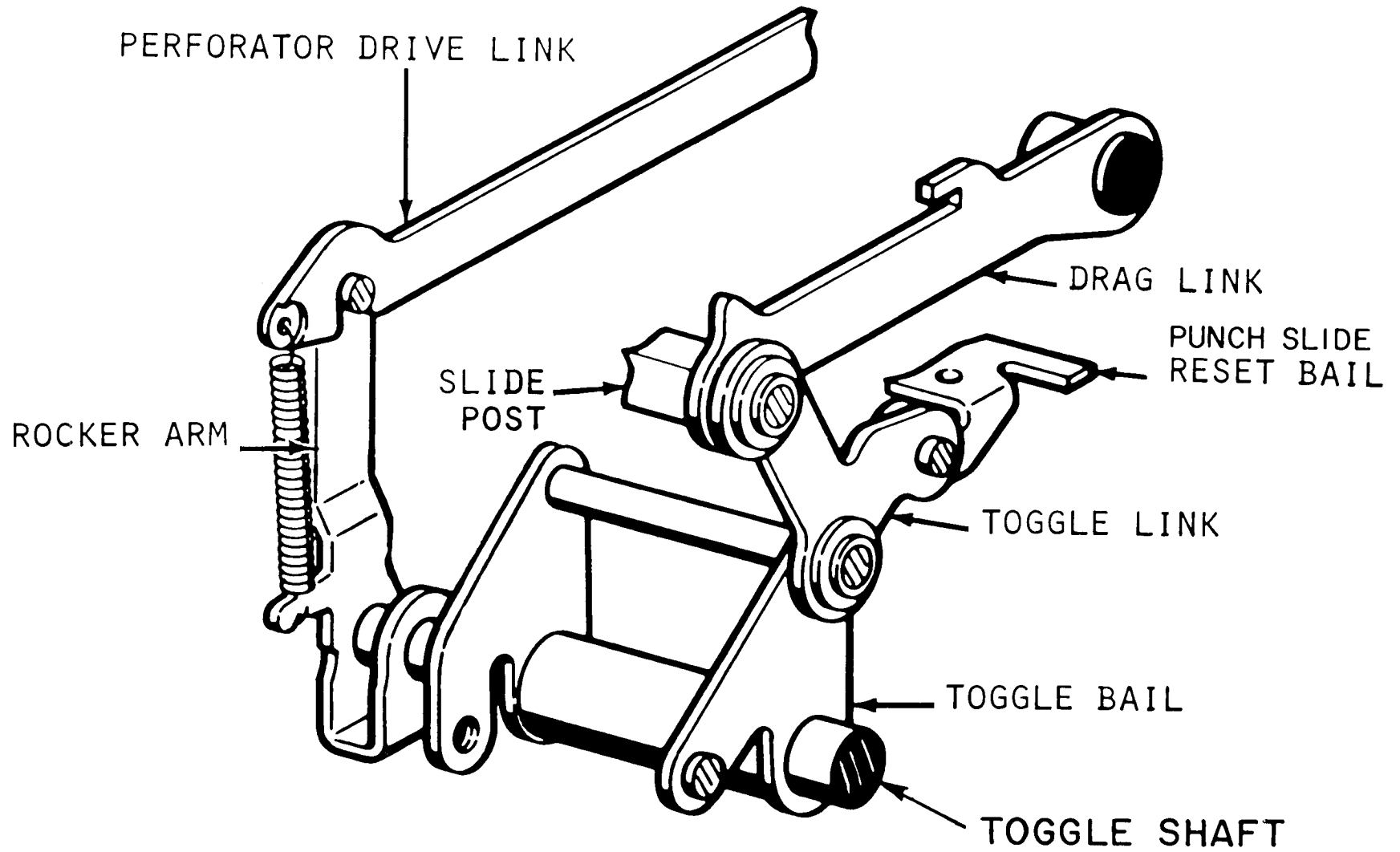
88

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

4-1-6D

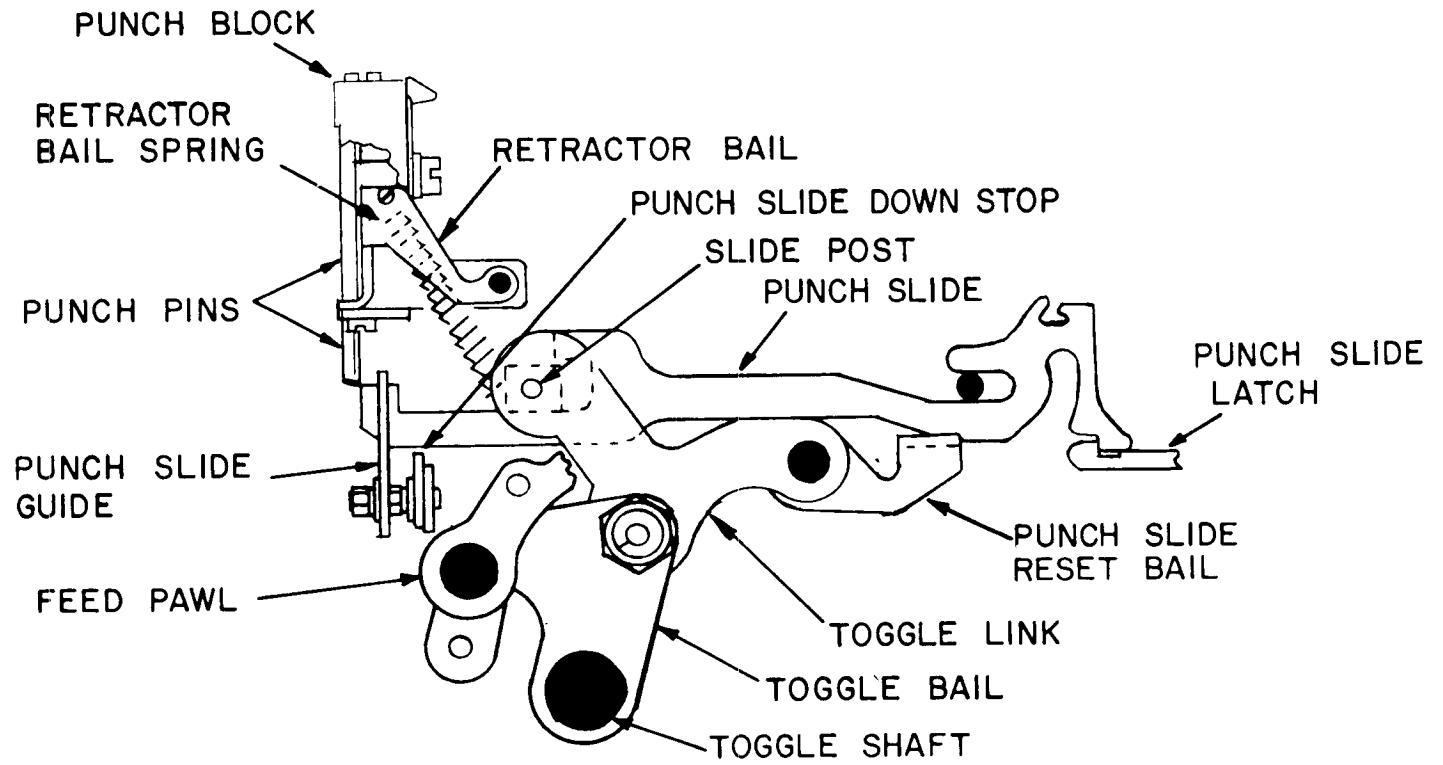


MOD 28 ASR-AN/UGC-6K- PUNCH MECHANISM

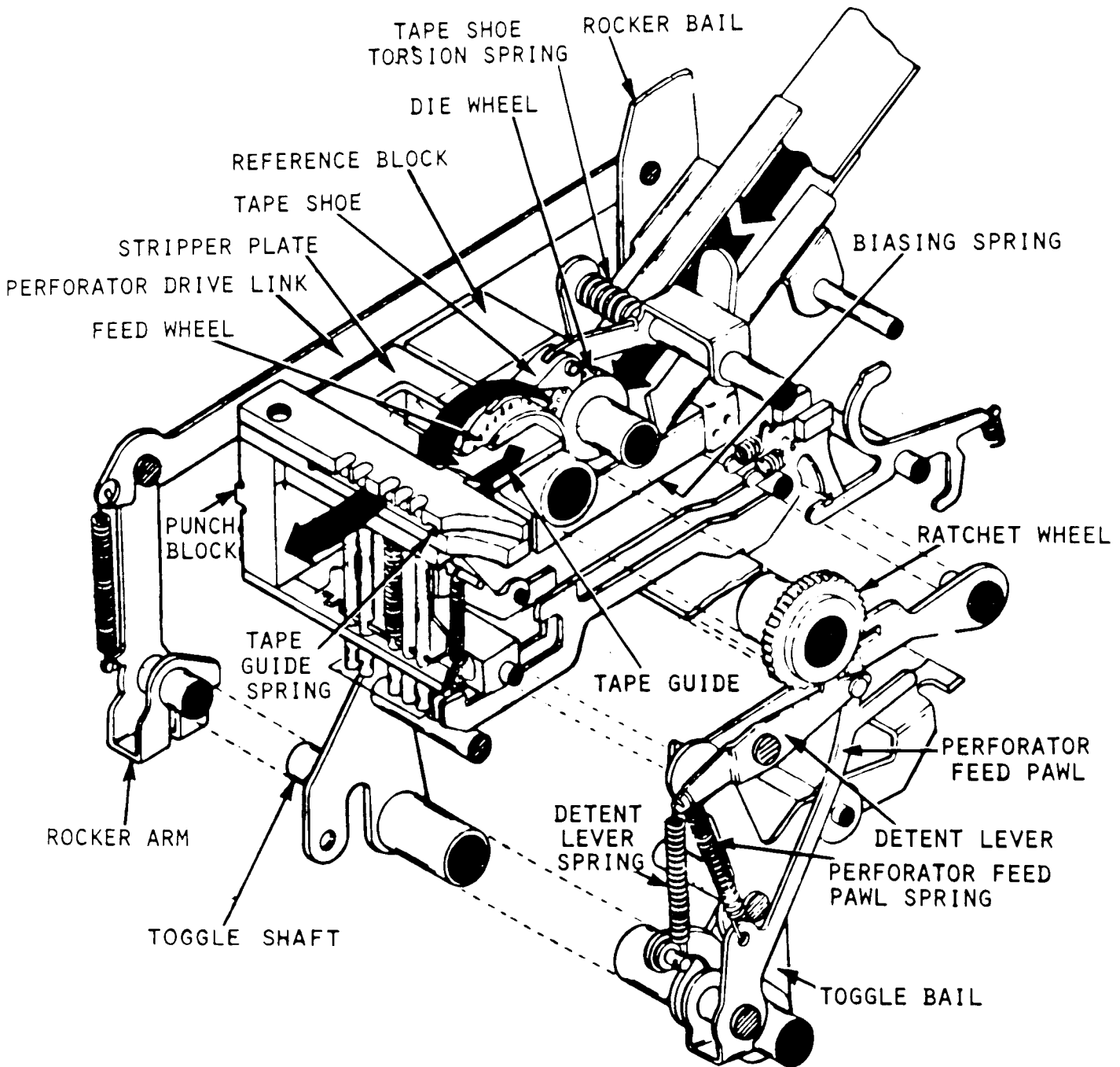


06

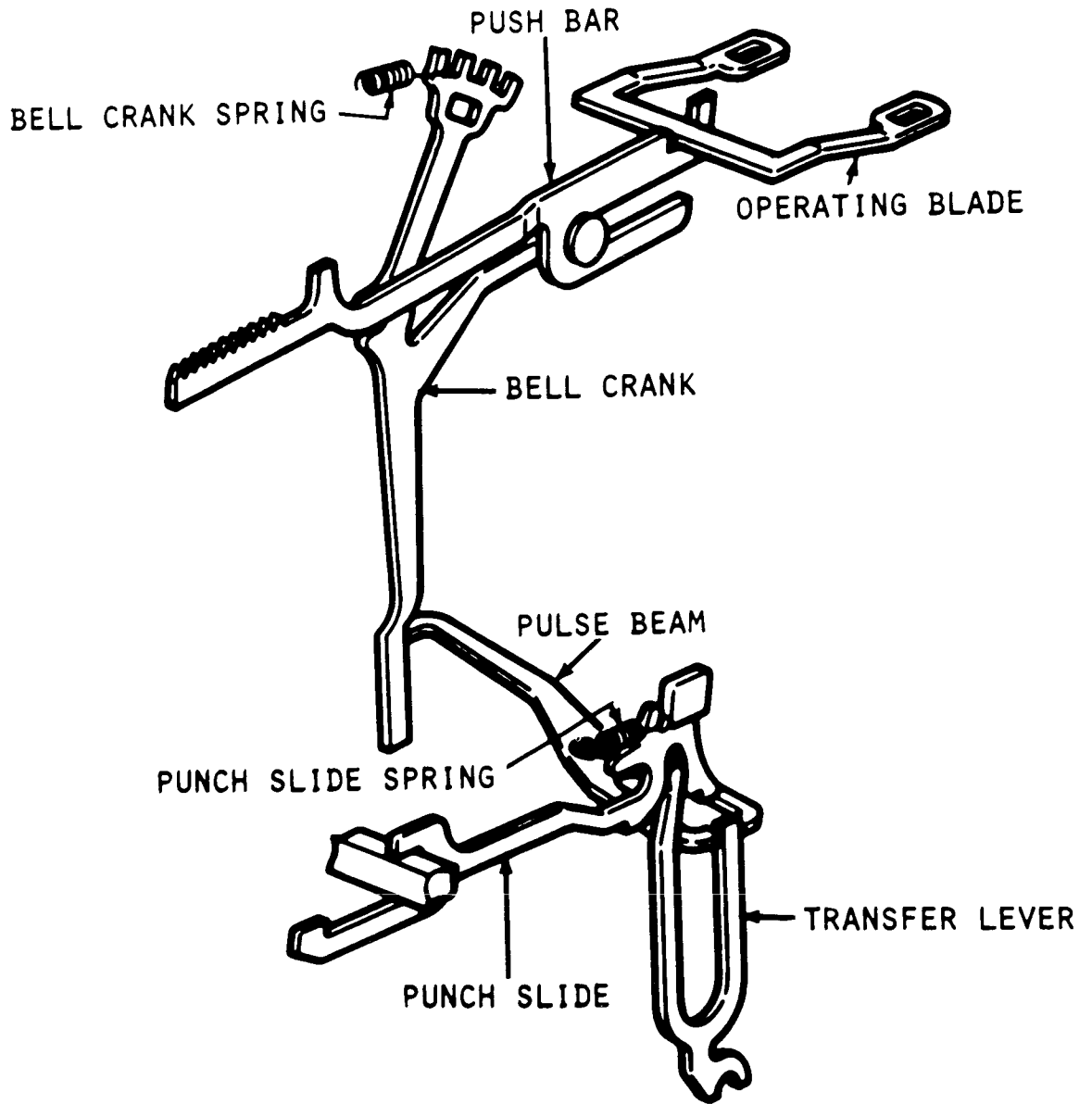
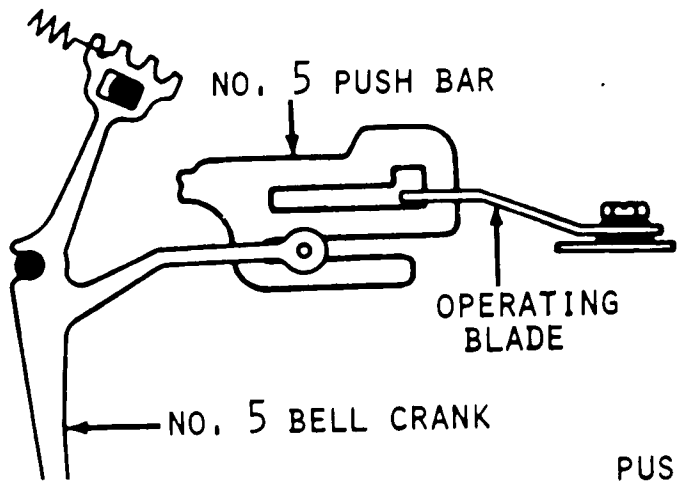
MOD 28 ASR-AN/UGC-6K- TOGGLE BAIL OPERATION



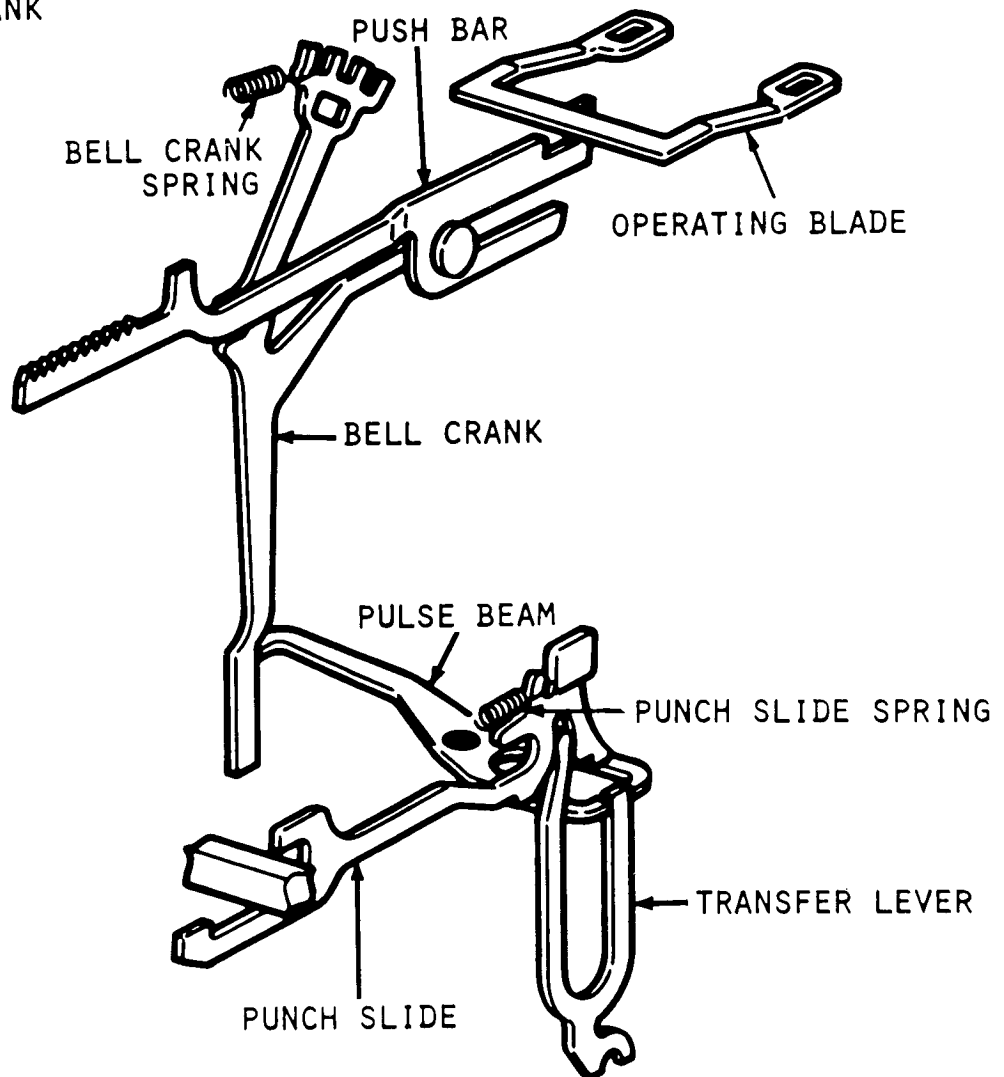
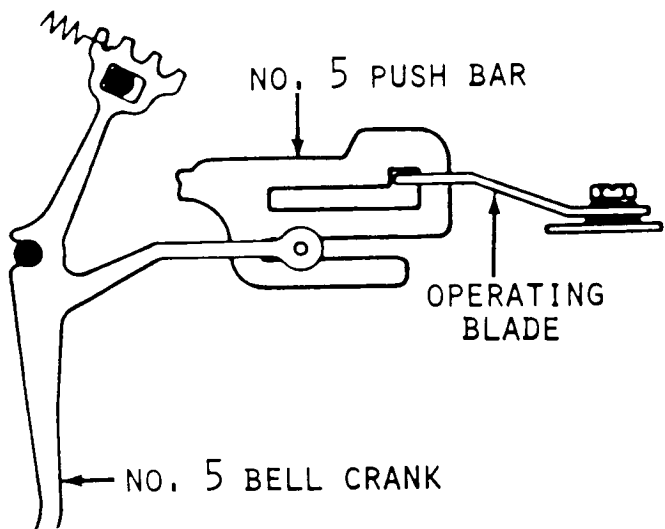
MOD 28 ASR-AN/UGC-6K - PUNCH MECHANISM # 2



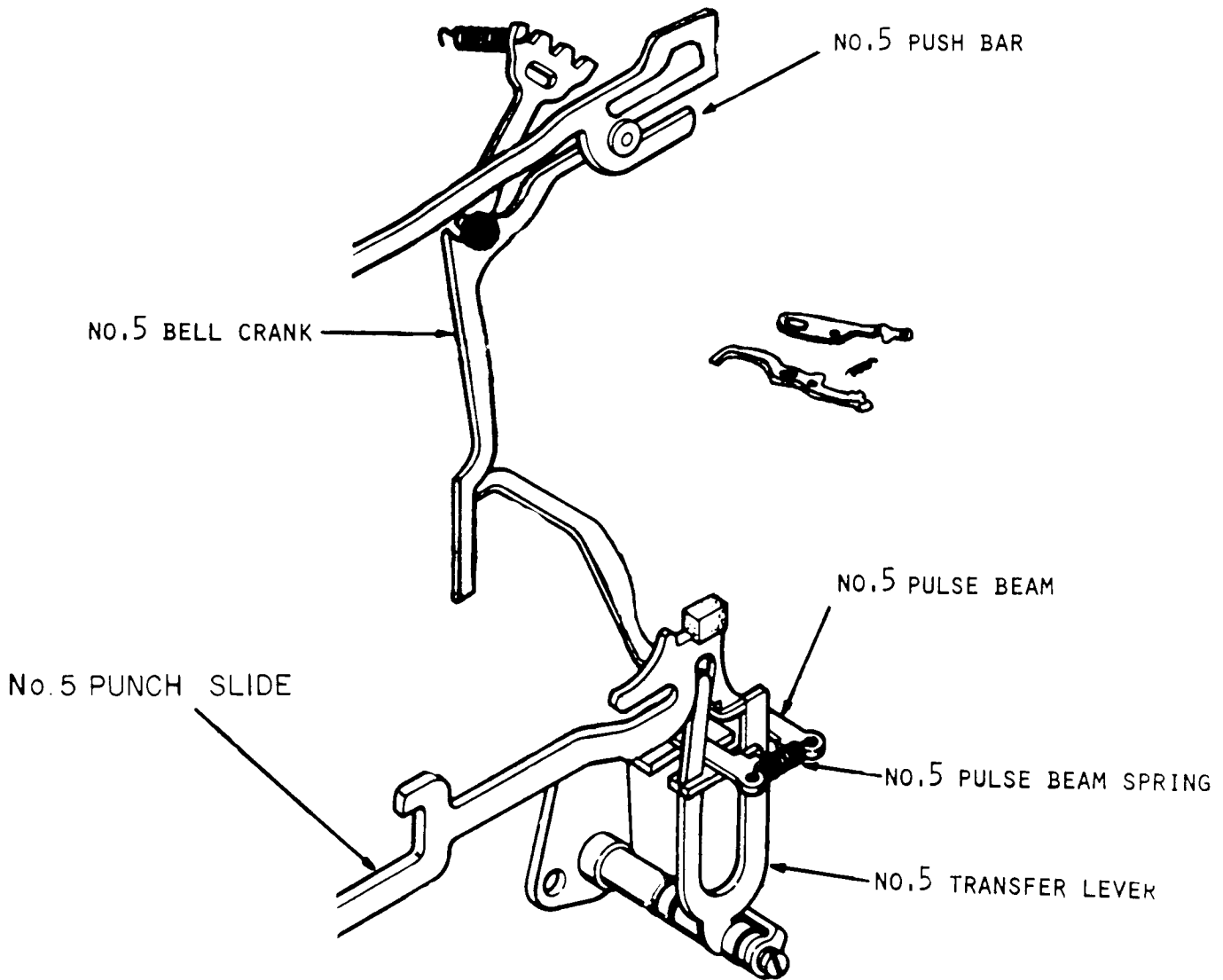
MOD 28 ASR-AN/UGC-6K- TAPE FEED AND FEED HOLE SPACING



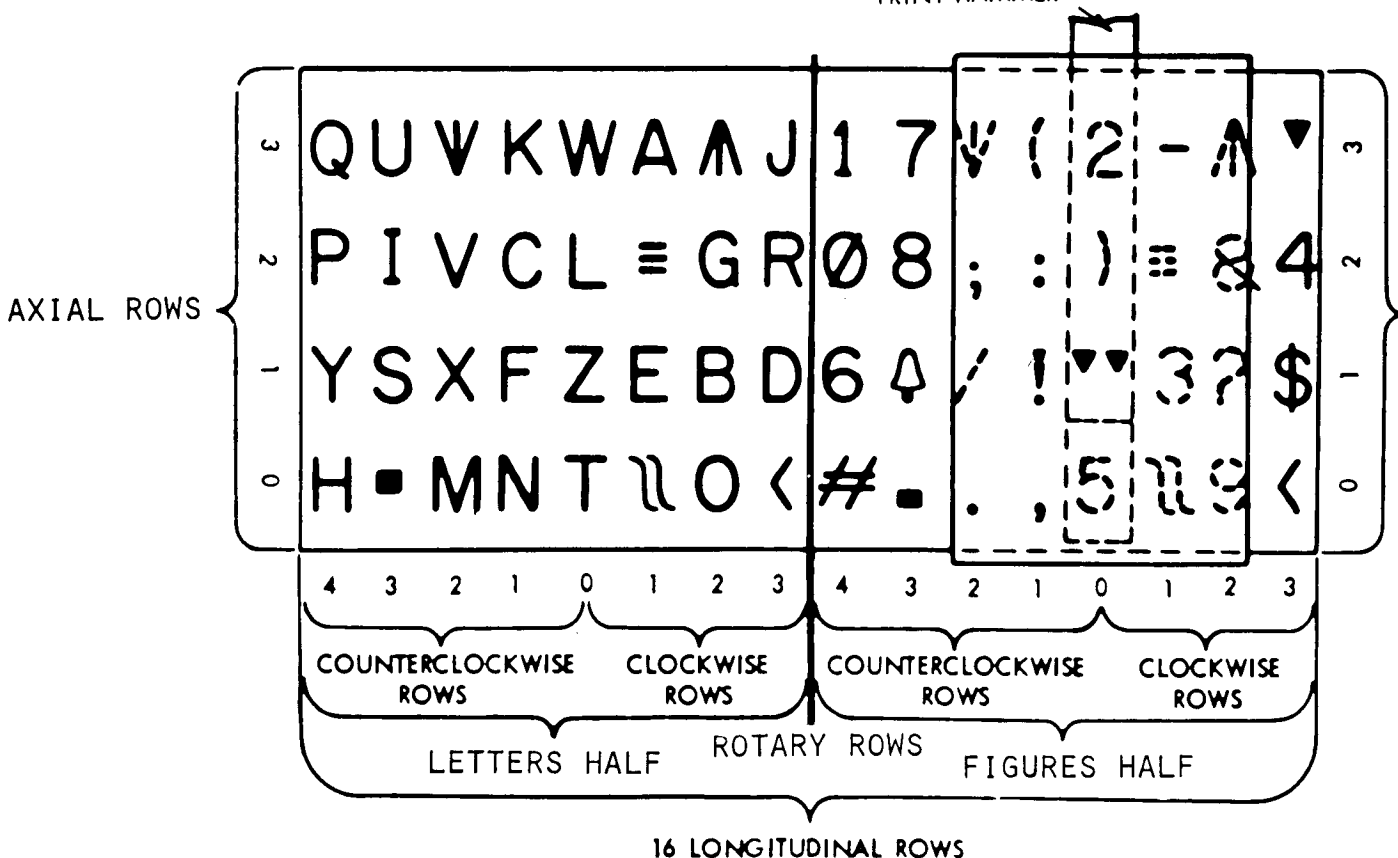
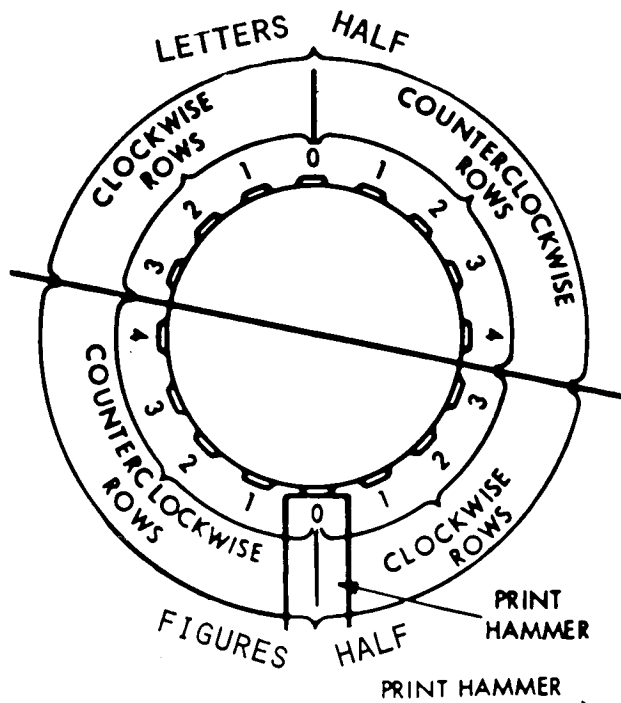
MOD 28 ASR-AN/UGC-6K- POSITIONING PUSH BARS (MARKING)



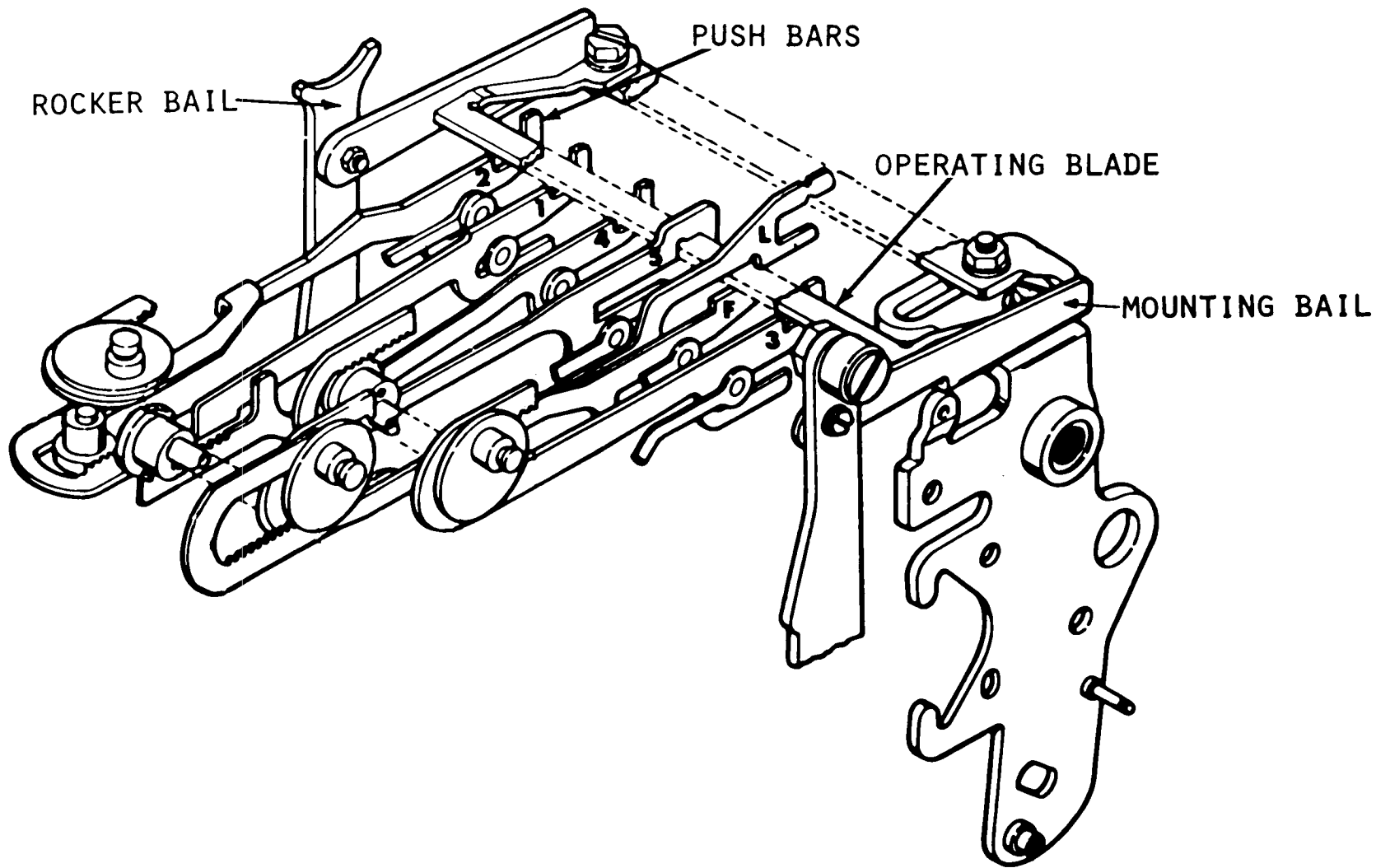
MOD 28 ASR-AN/UGC-6K- POSITIONING PUSH BARS (SPACING)



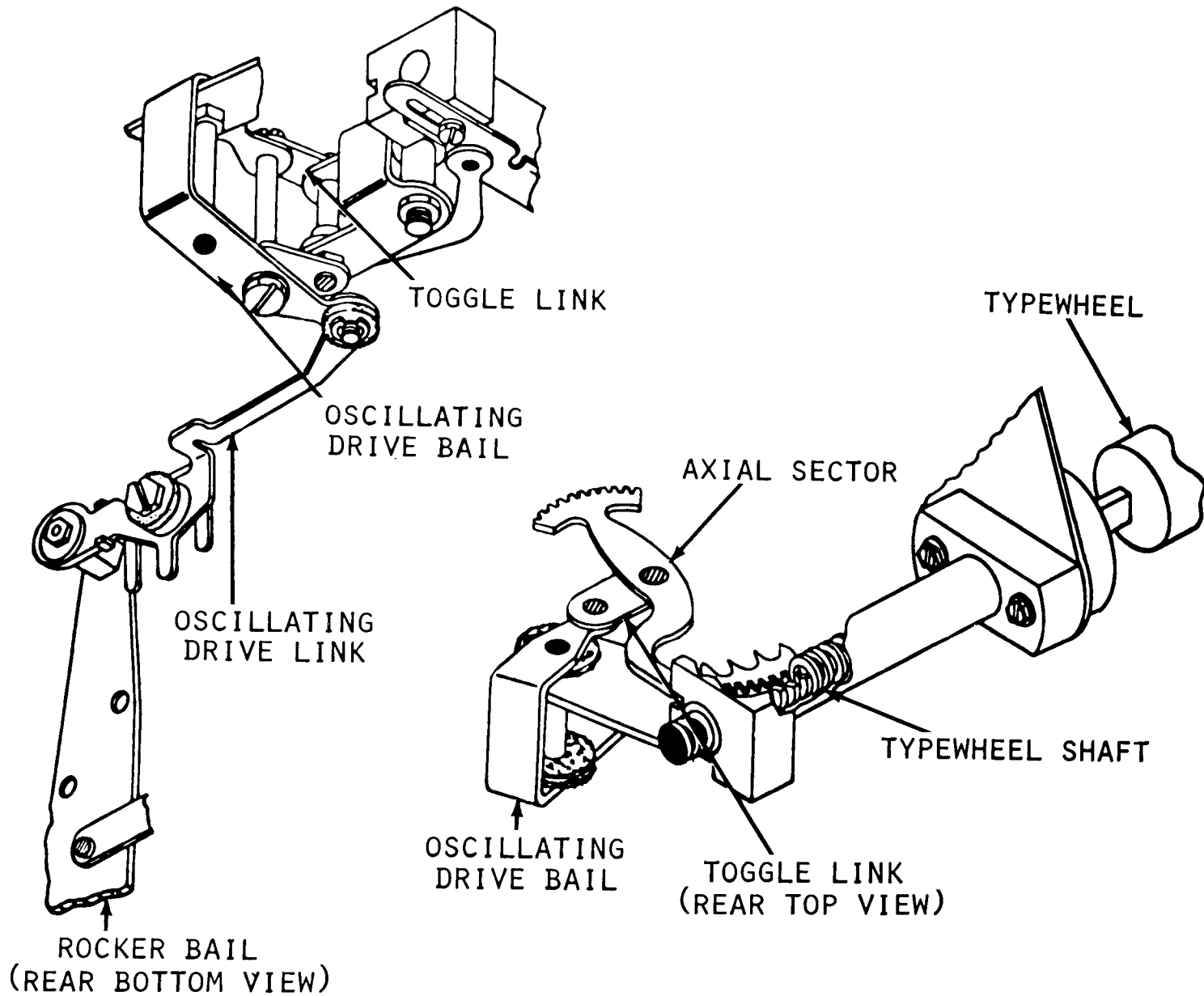
MOD 28 ASR-AN/UGC-6K NO.5 PULSE BEAM



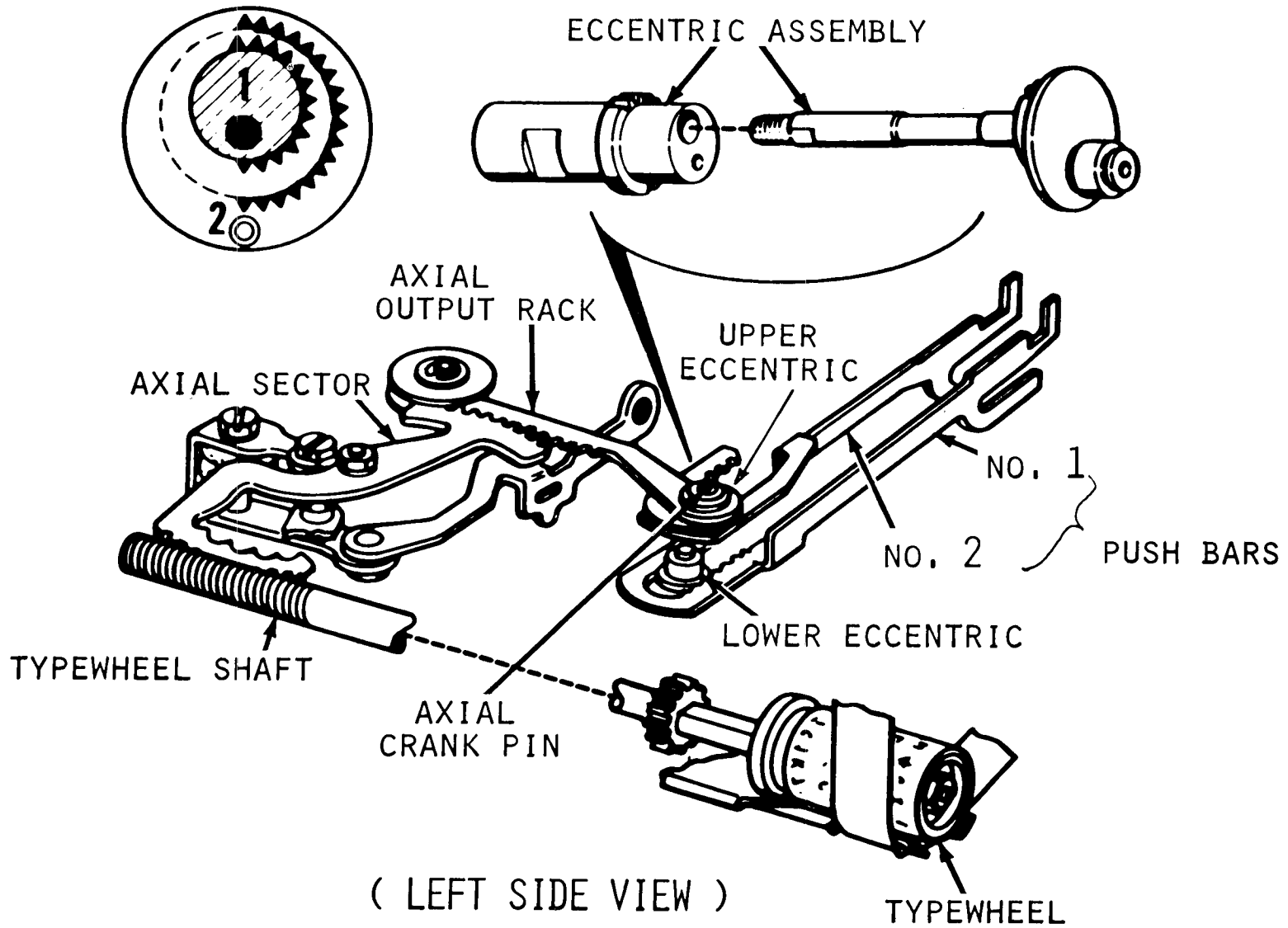
MOD 28 ASR-AN/UGC-6K TYPEWHEEL



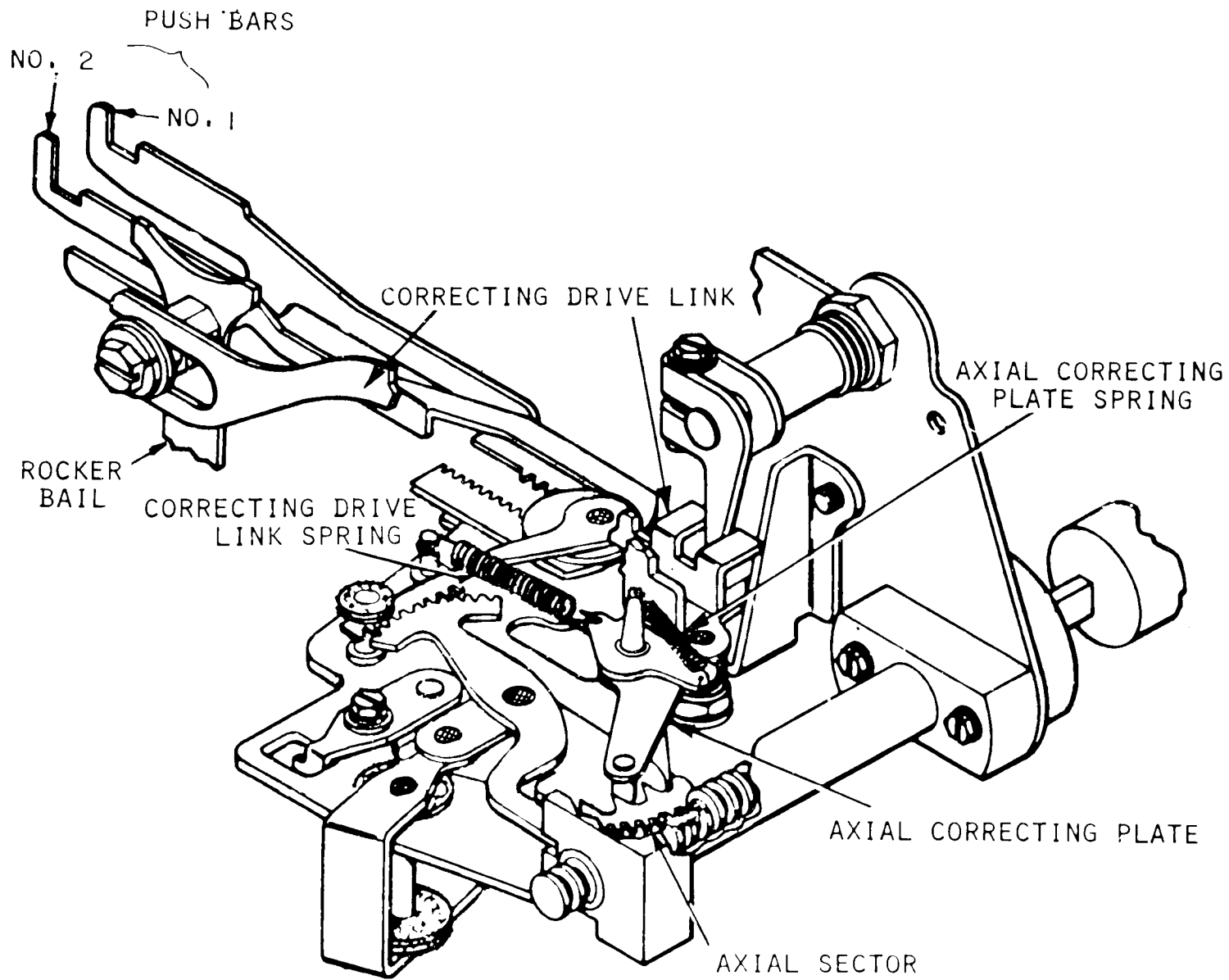
MOD 28 ASR-AN/UGC-6K- OPERATING BLADE



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

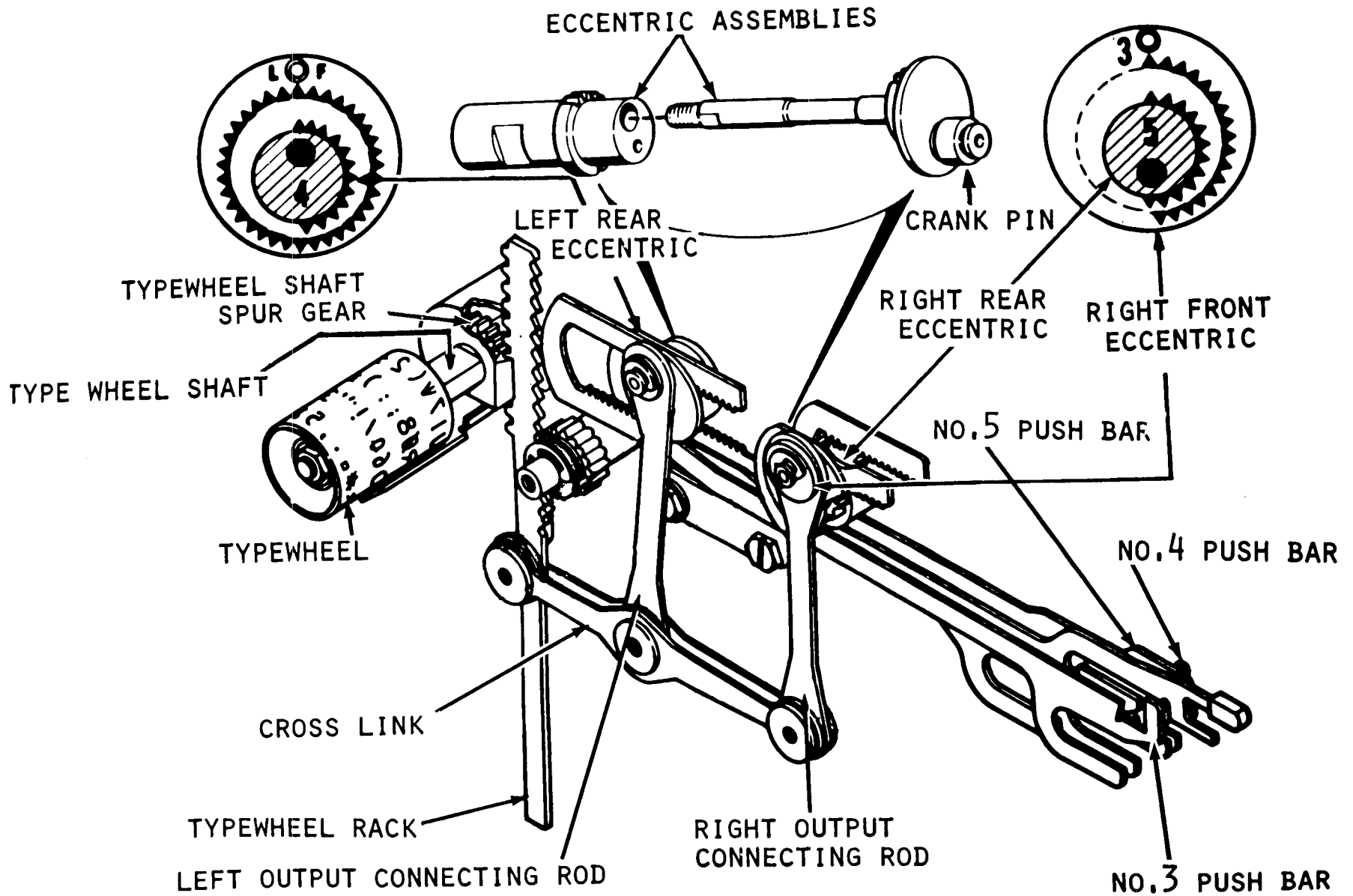


MOD 28 ASR-AN/UGC-6K- AXIAL POSITIONING #2

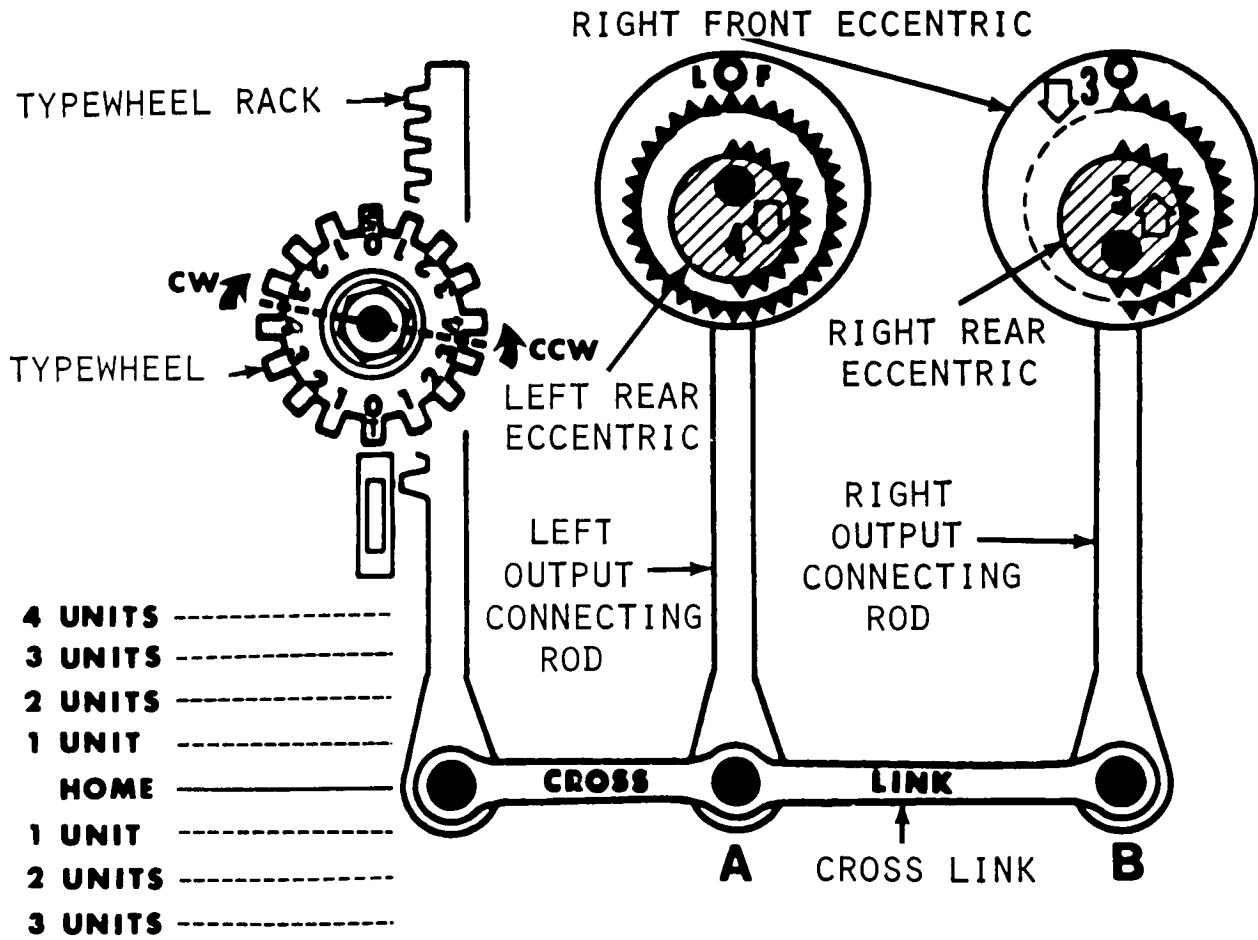


00T

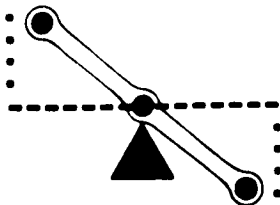
MOD 28 ASP-AN/UGC-6K- AXIAL CORRECTING (REAR VIEW)



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



(EXAMPLE 1)



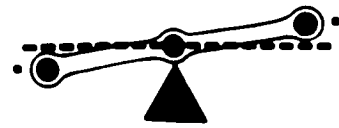
NO. 3 (MK) = 4 UNITS CCW

(EXAMPLE 2)



NO. 4 (MK) = 2 UNITS CW

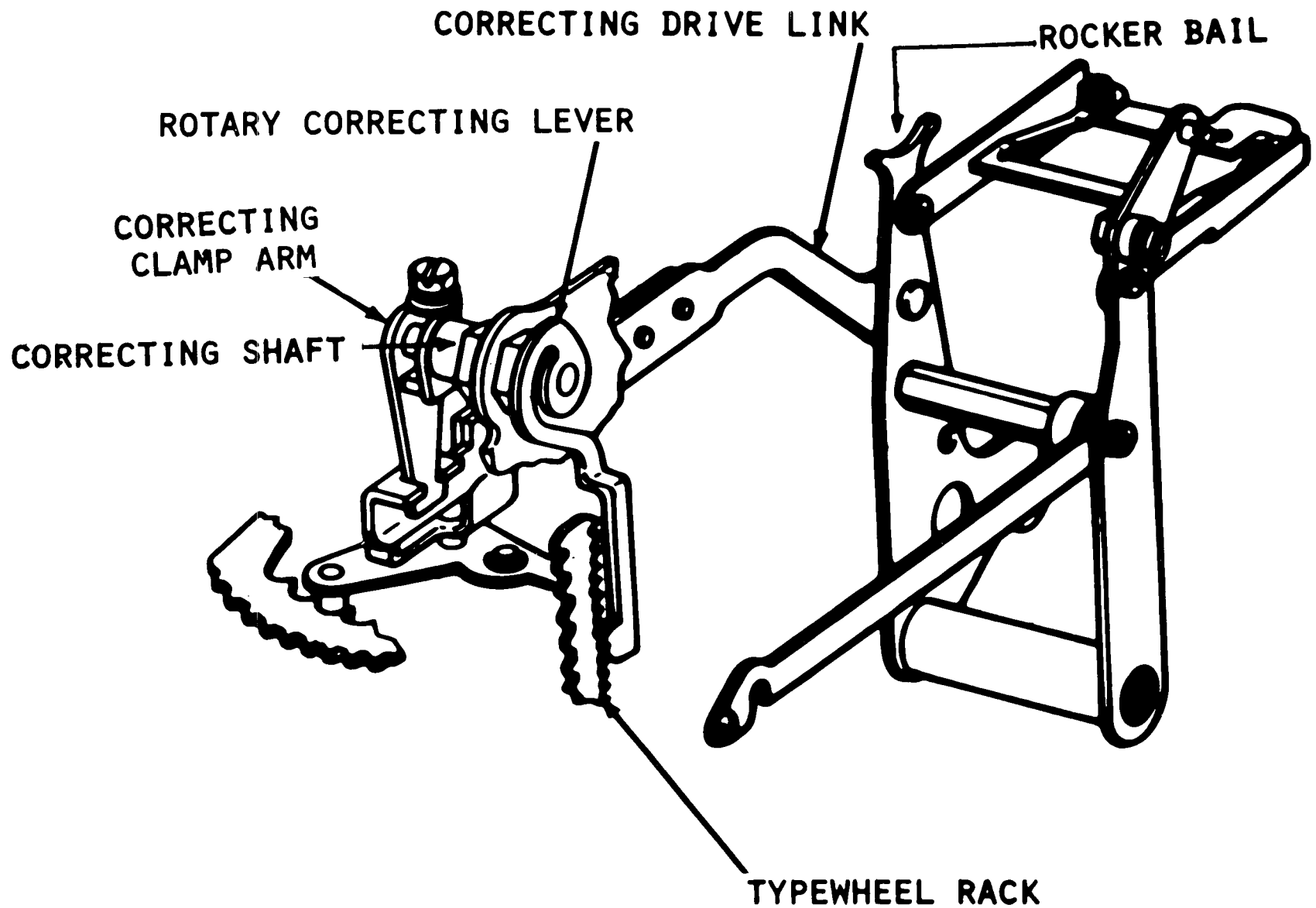
(EXAMPLE 3)



NO. 5 (SP) = 1 UNIT CW

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

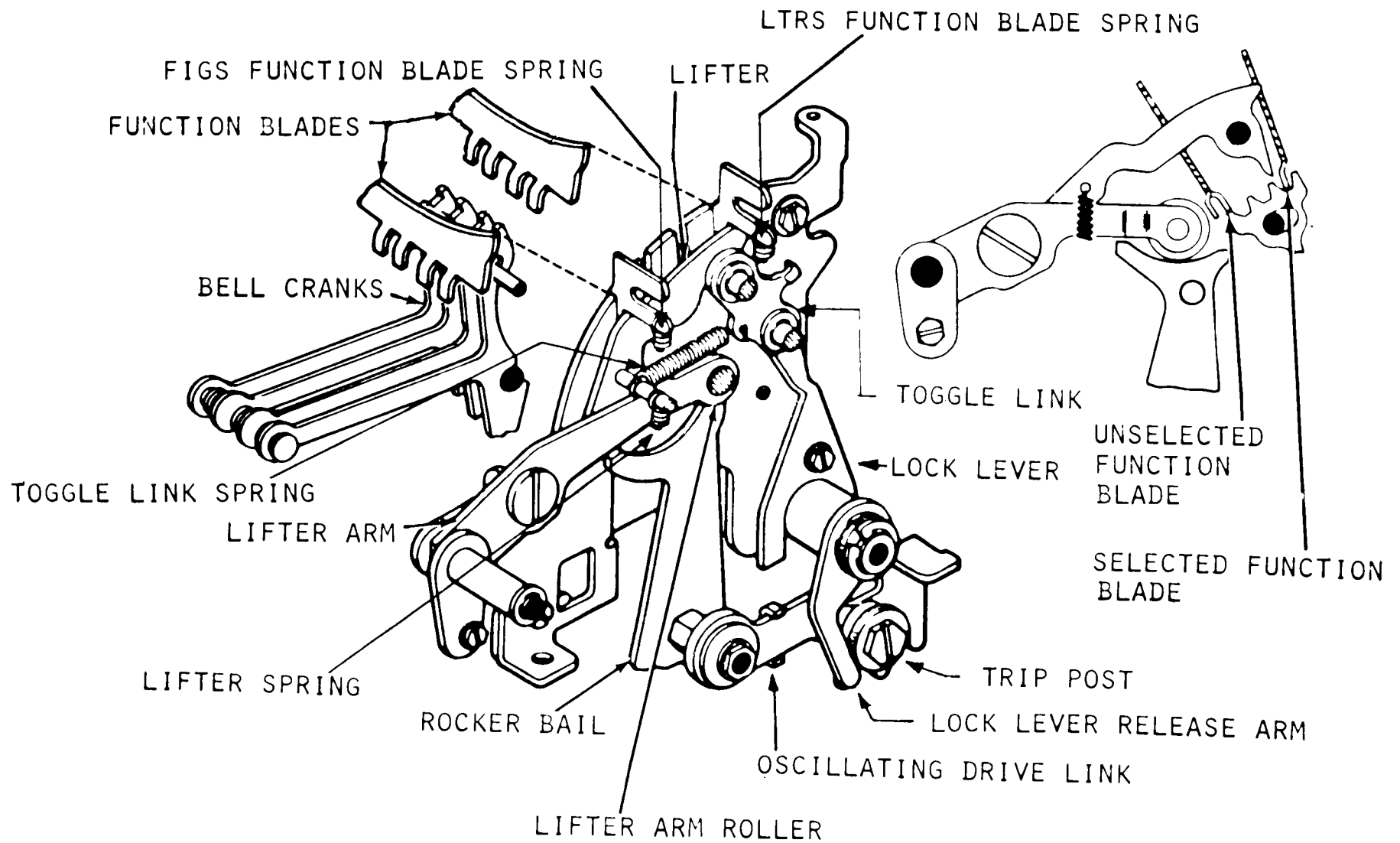
4-3-10D



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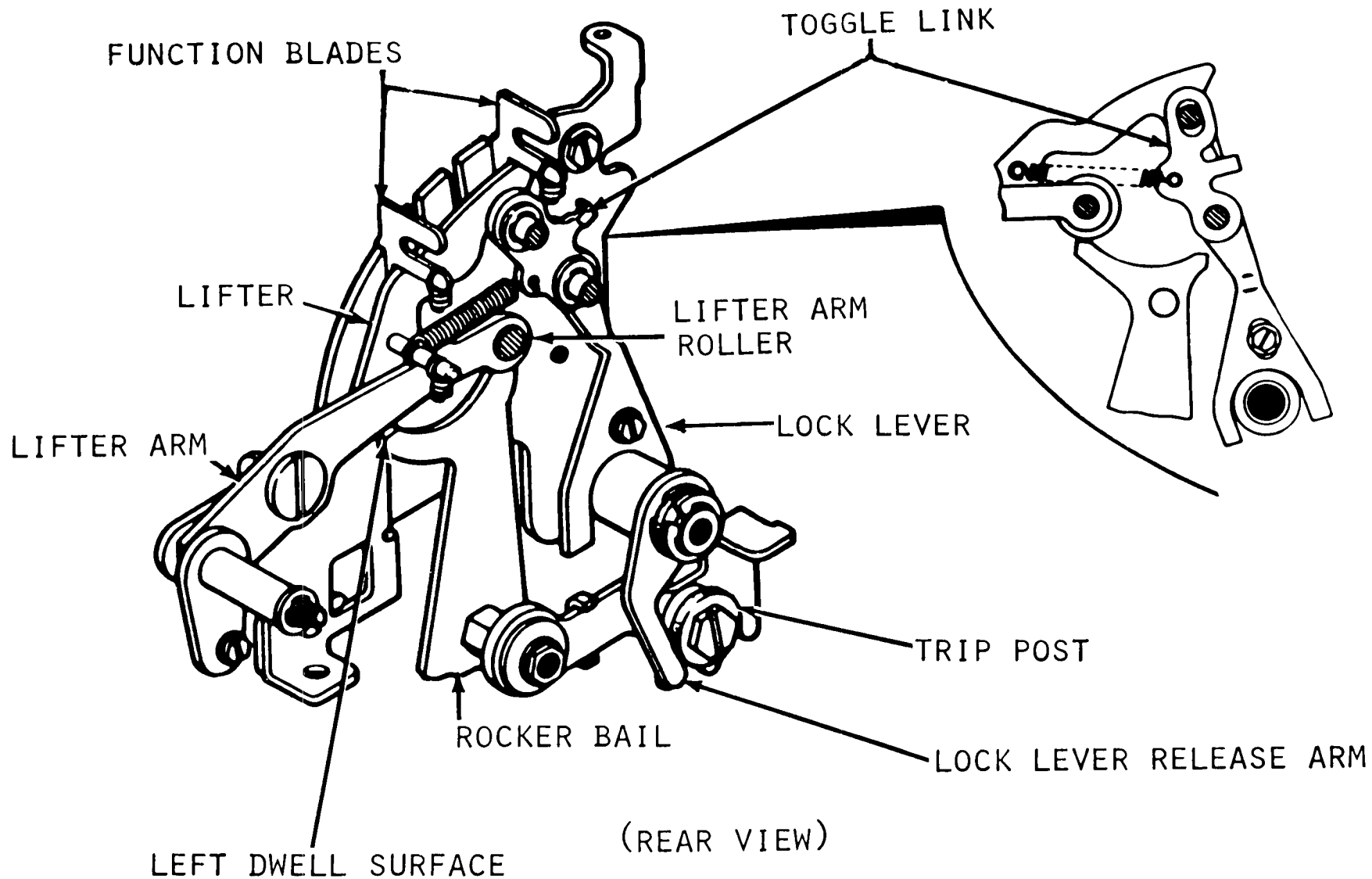
MOD 28 ASR-AN/UGC-6K ROTARY CORRECTING

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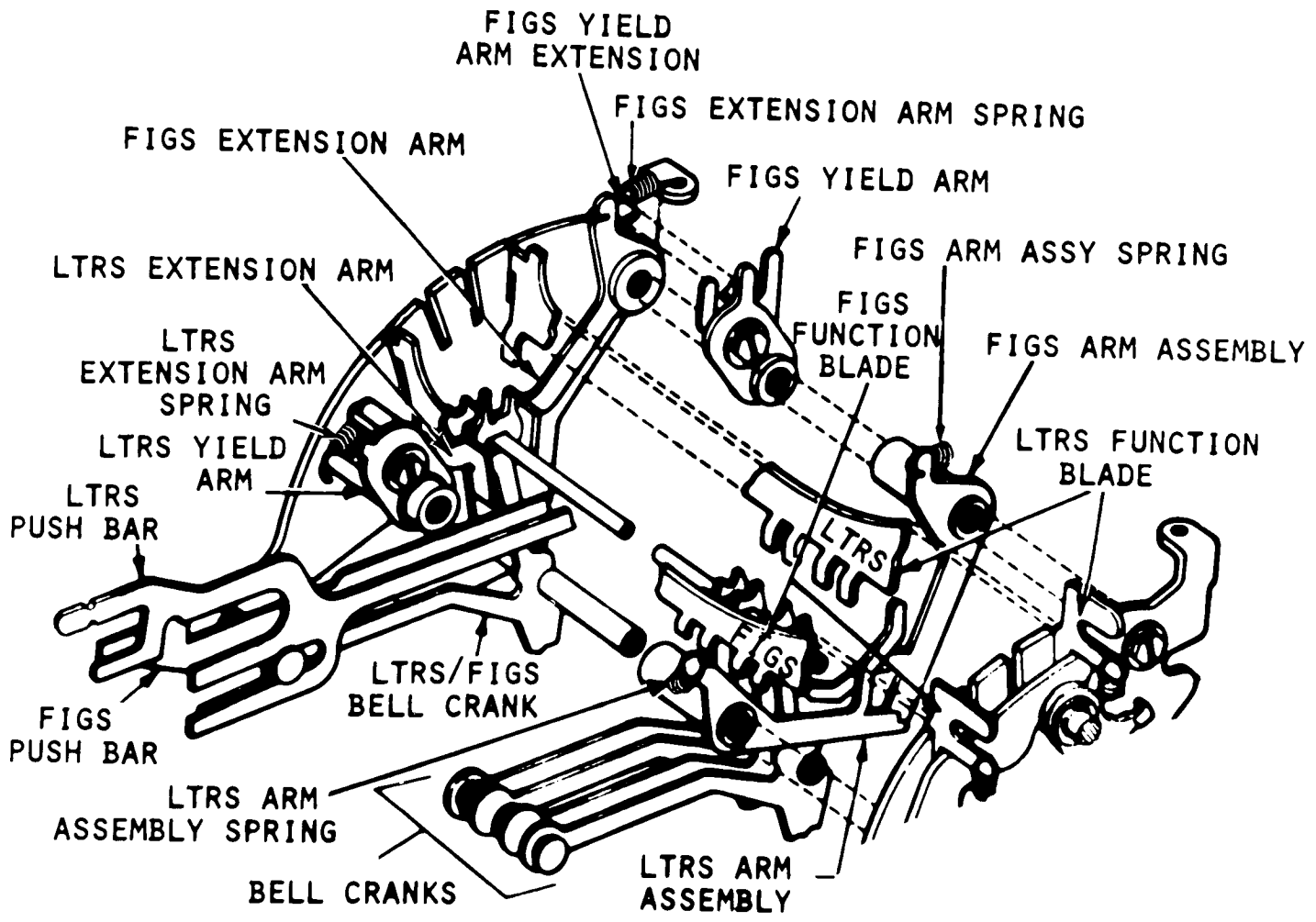


MOD 28 ASR-AN/UGC-6K FUNCTION BLADE SENSING (REAR VIEW)

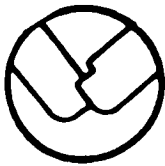
4-3-12D



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



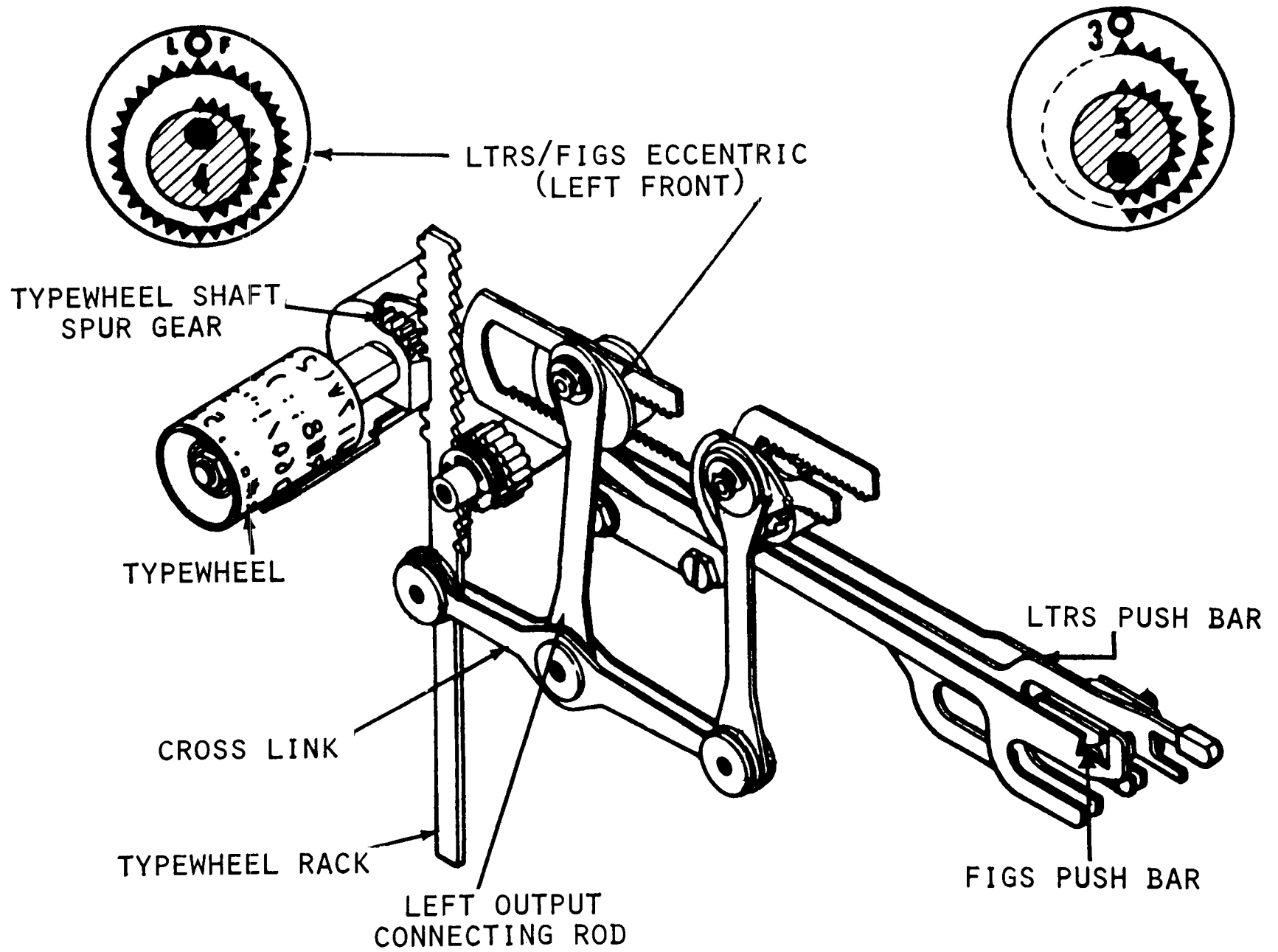
LETTERS POSITION



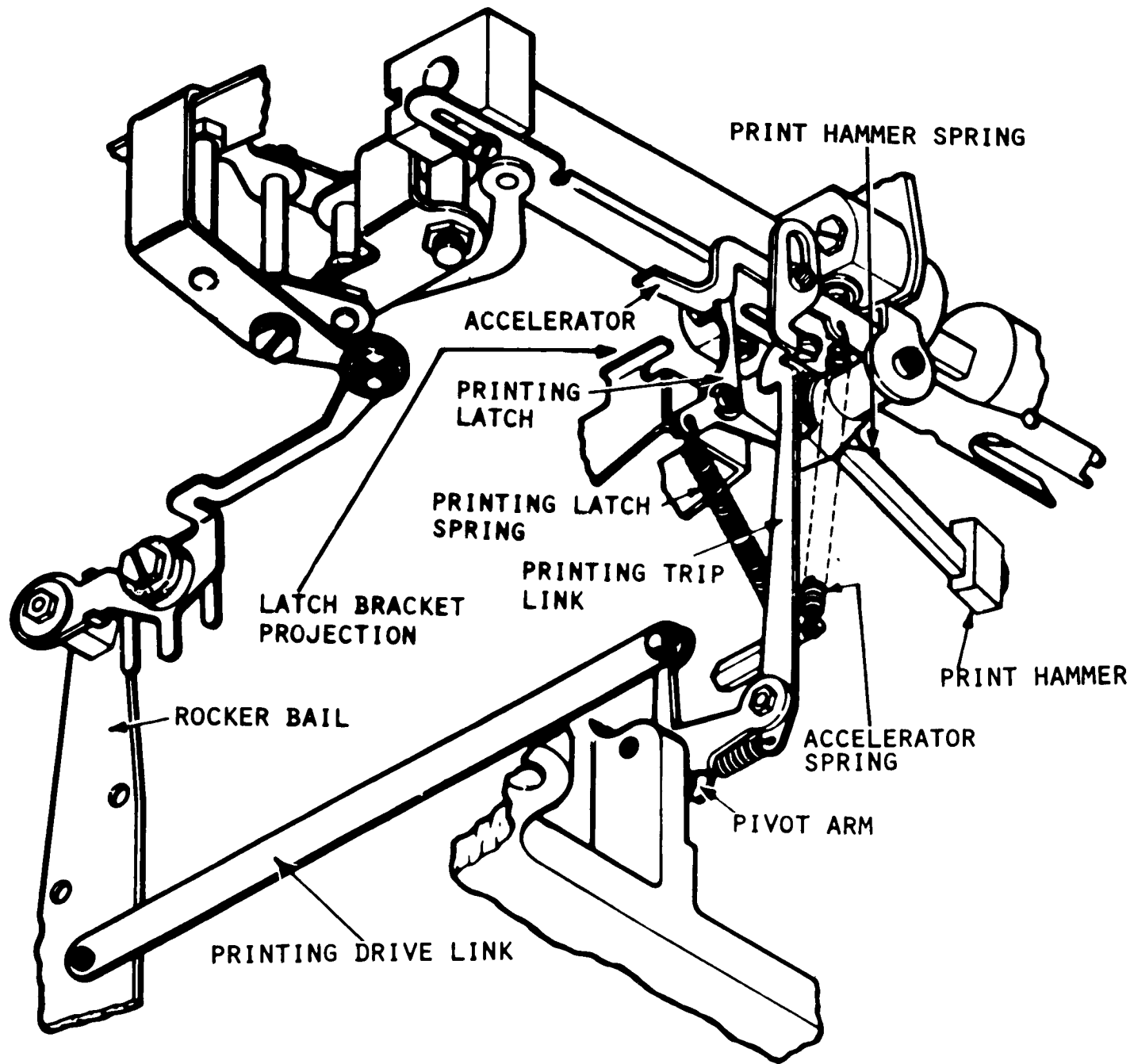
FIGURES POSITION



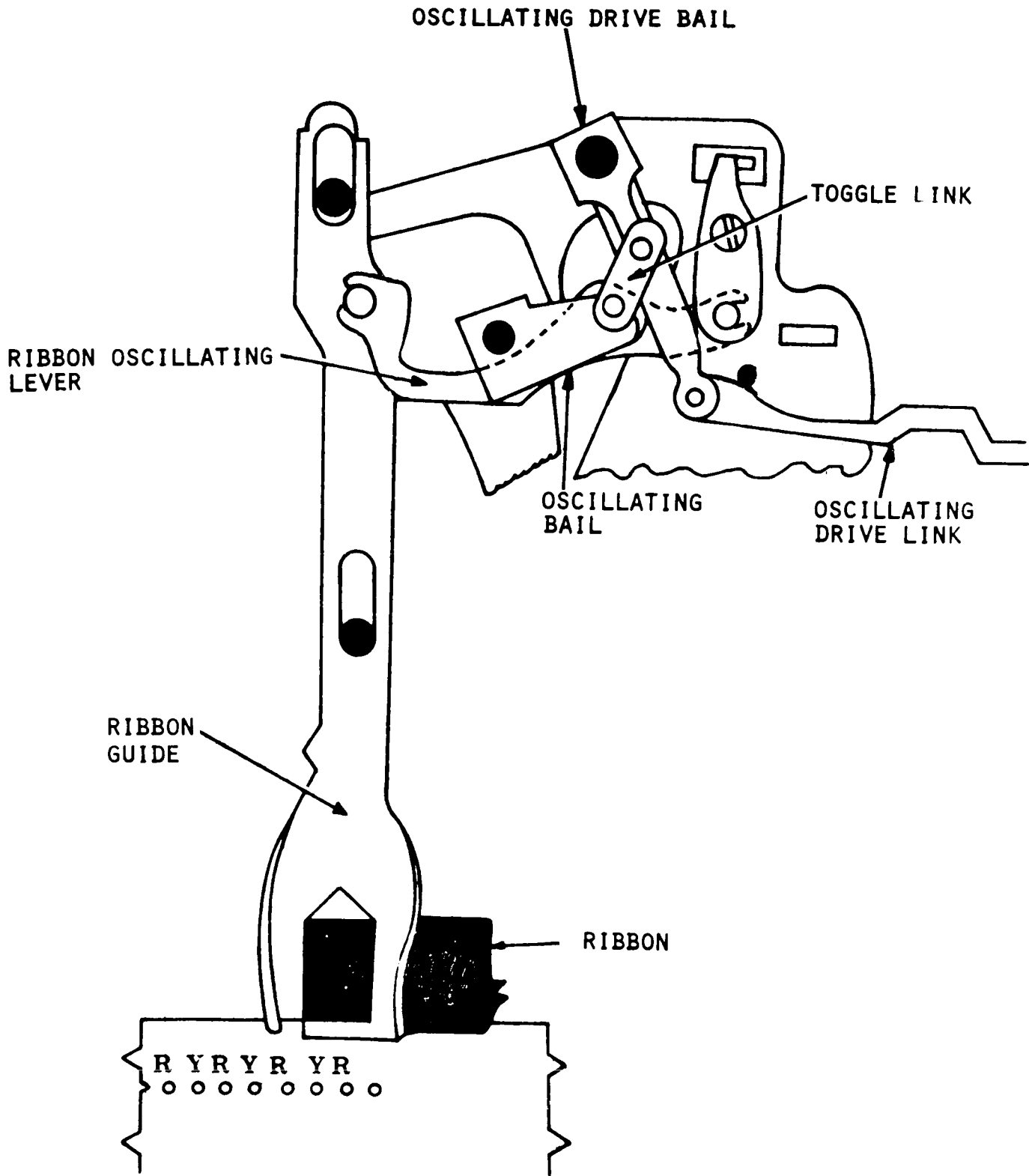
MOD 28 ASR-AN/UGC-6K- LTRS/FIGS SHIFT #1 (REAR VIEW)



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

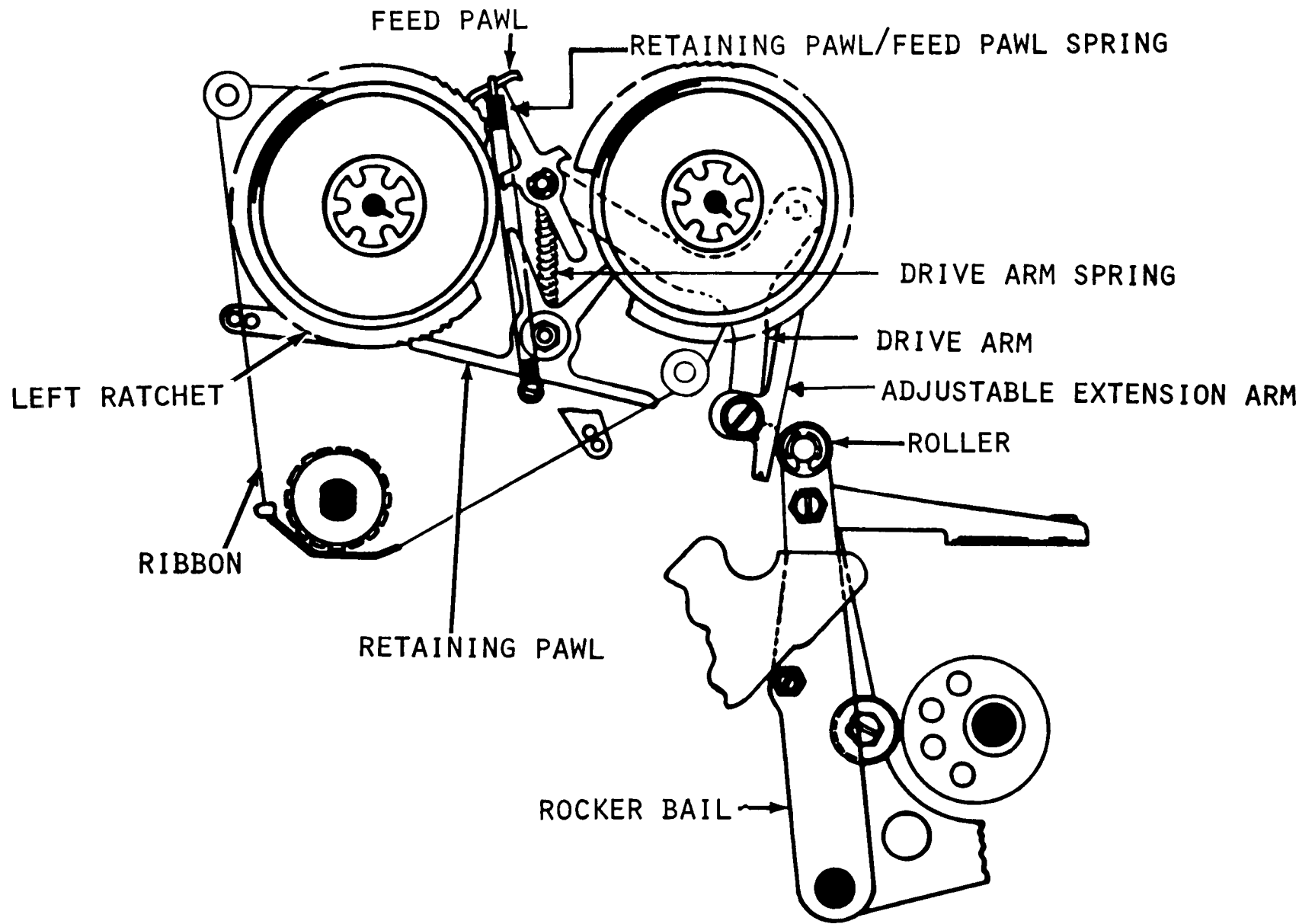


MOD 28 ASR-AN/UGC-6K PRINTING MECHANISM (LEFT REAR VIEW)



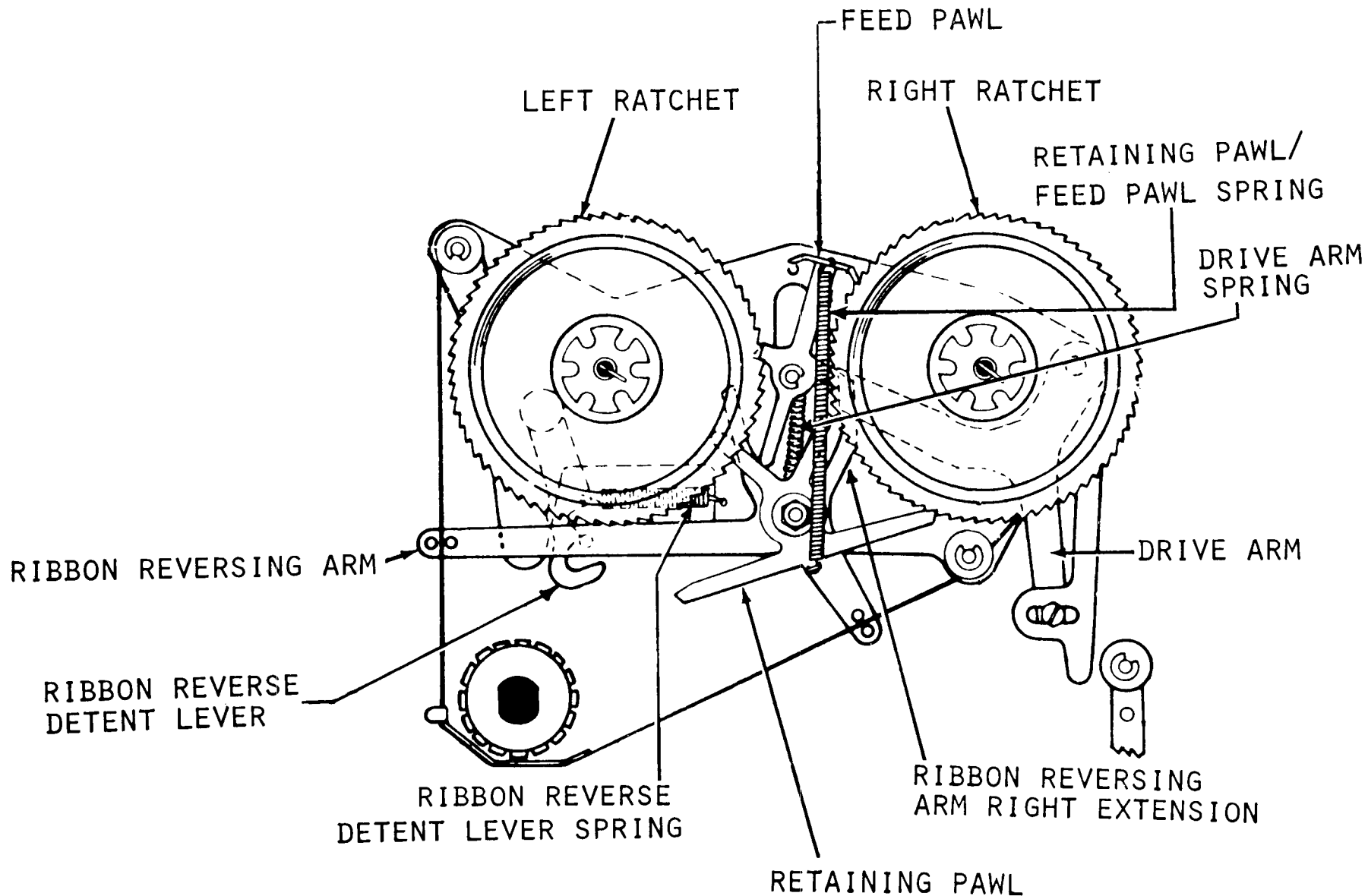
MOD 28 ASR-AN/UGC-6K' RIBBON OSCILLATION (TOP VIEW)

4-4-2D

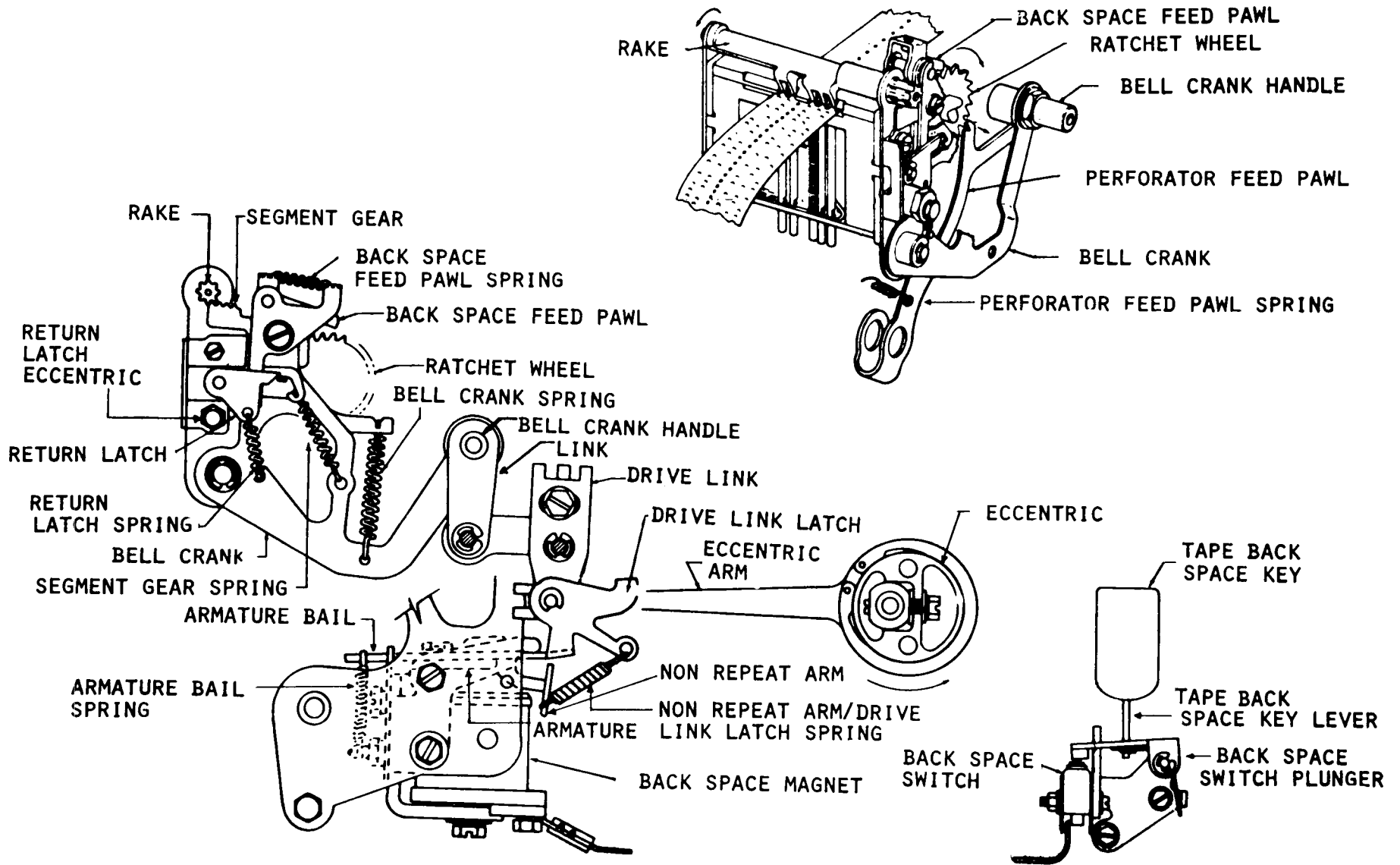


MOD 28 ASR-AN/UGC-6K- RIBBON FEED

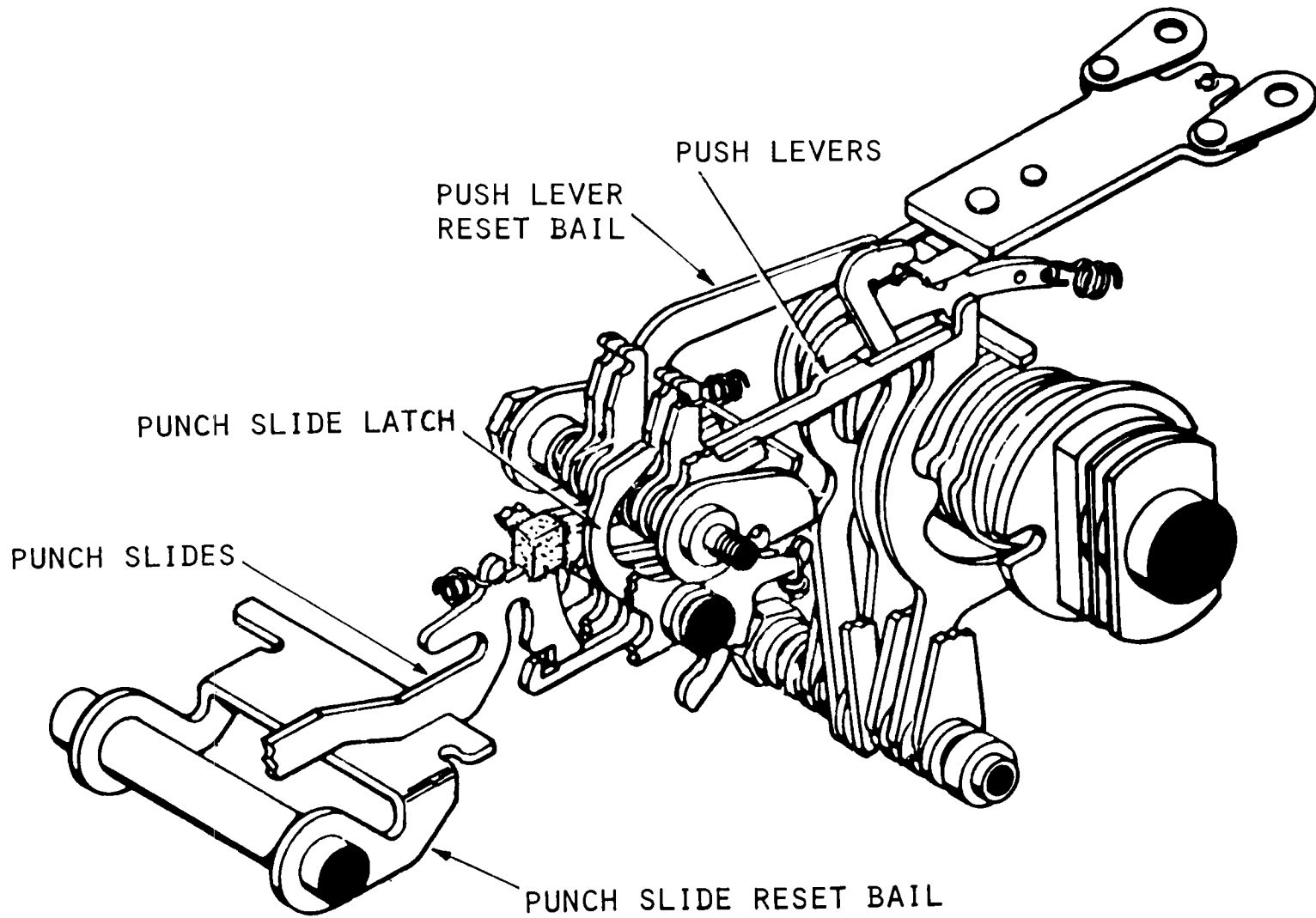
111



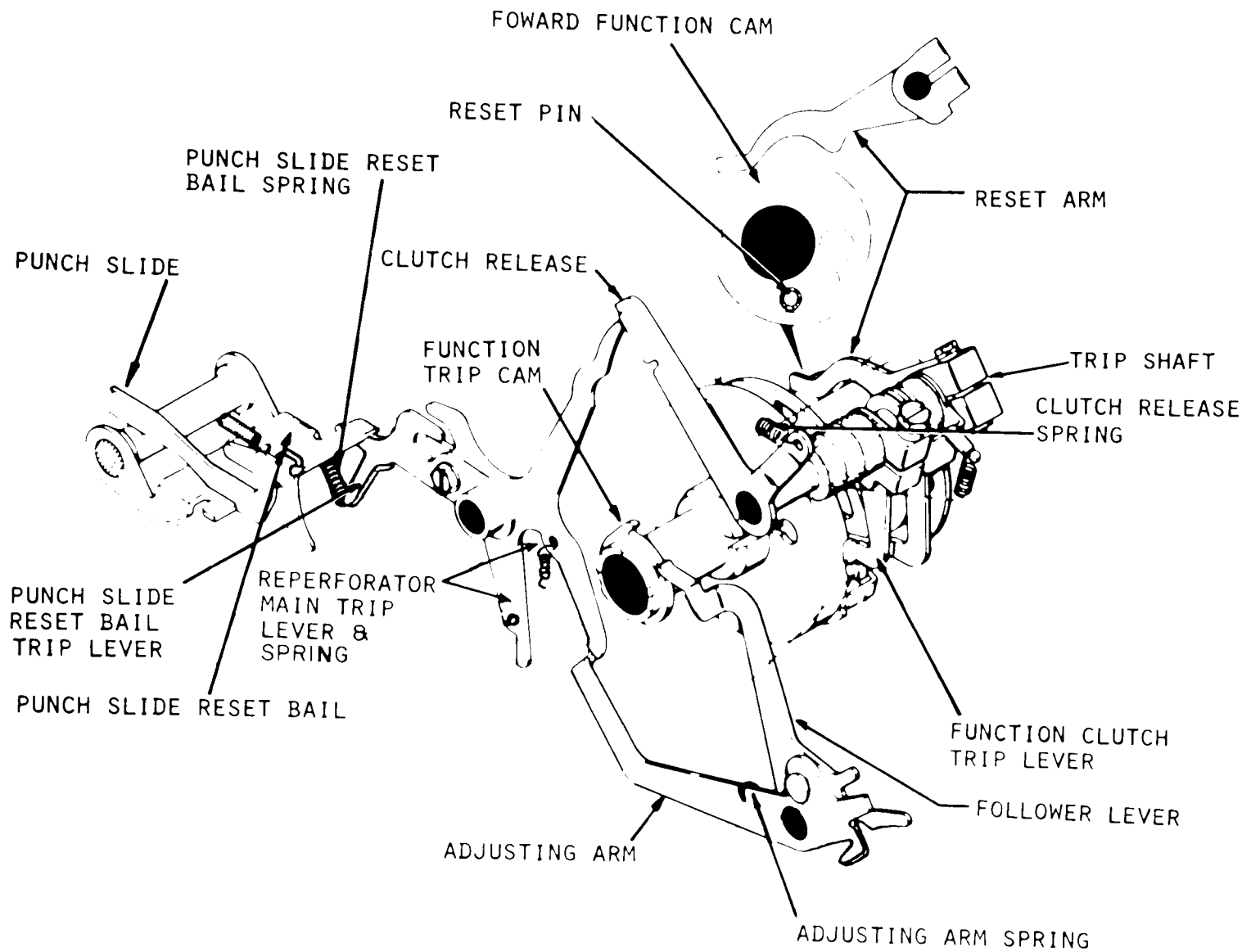
MOD 28 ASR-AN/UGC-6K- RIBBON REVERSE



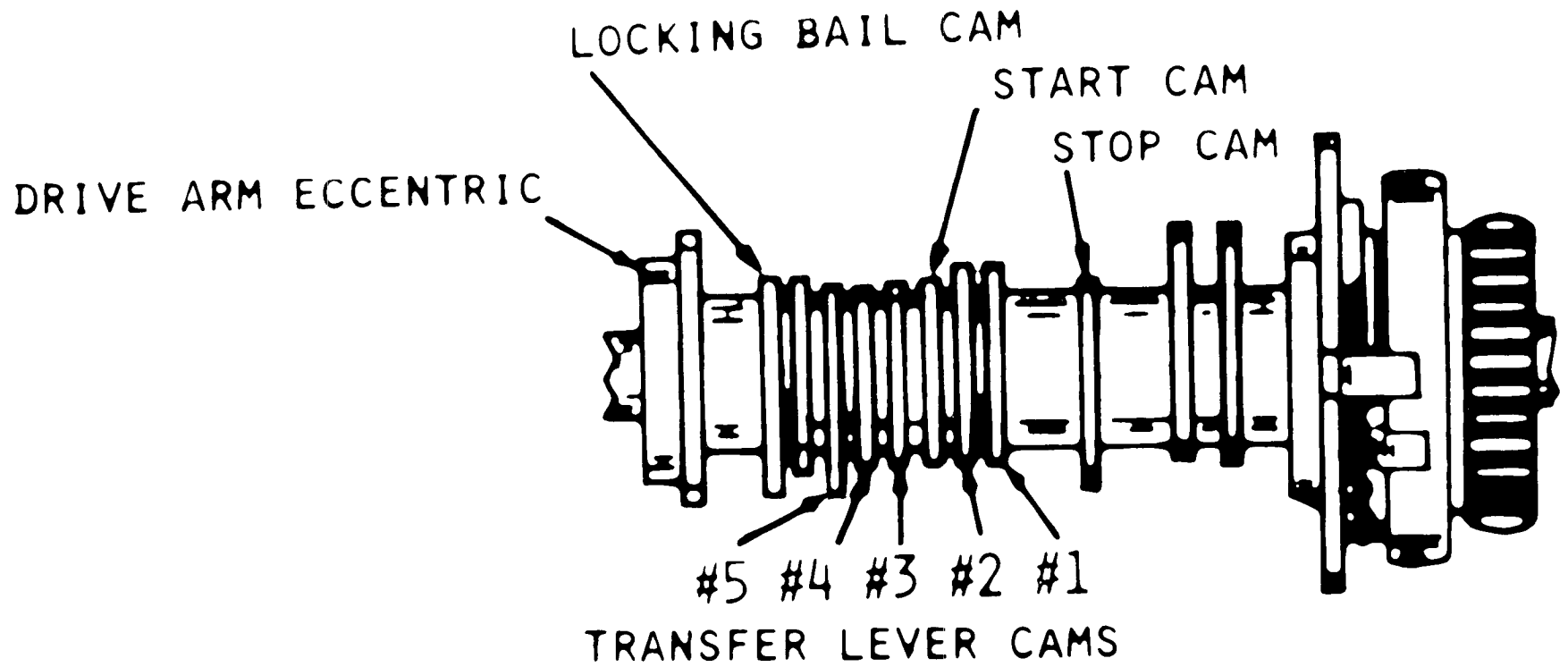
MOD 28 ASR-AN/UGC-6K POWER DRIVE BACK SPACE



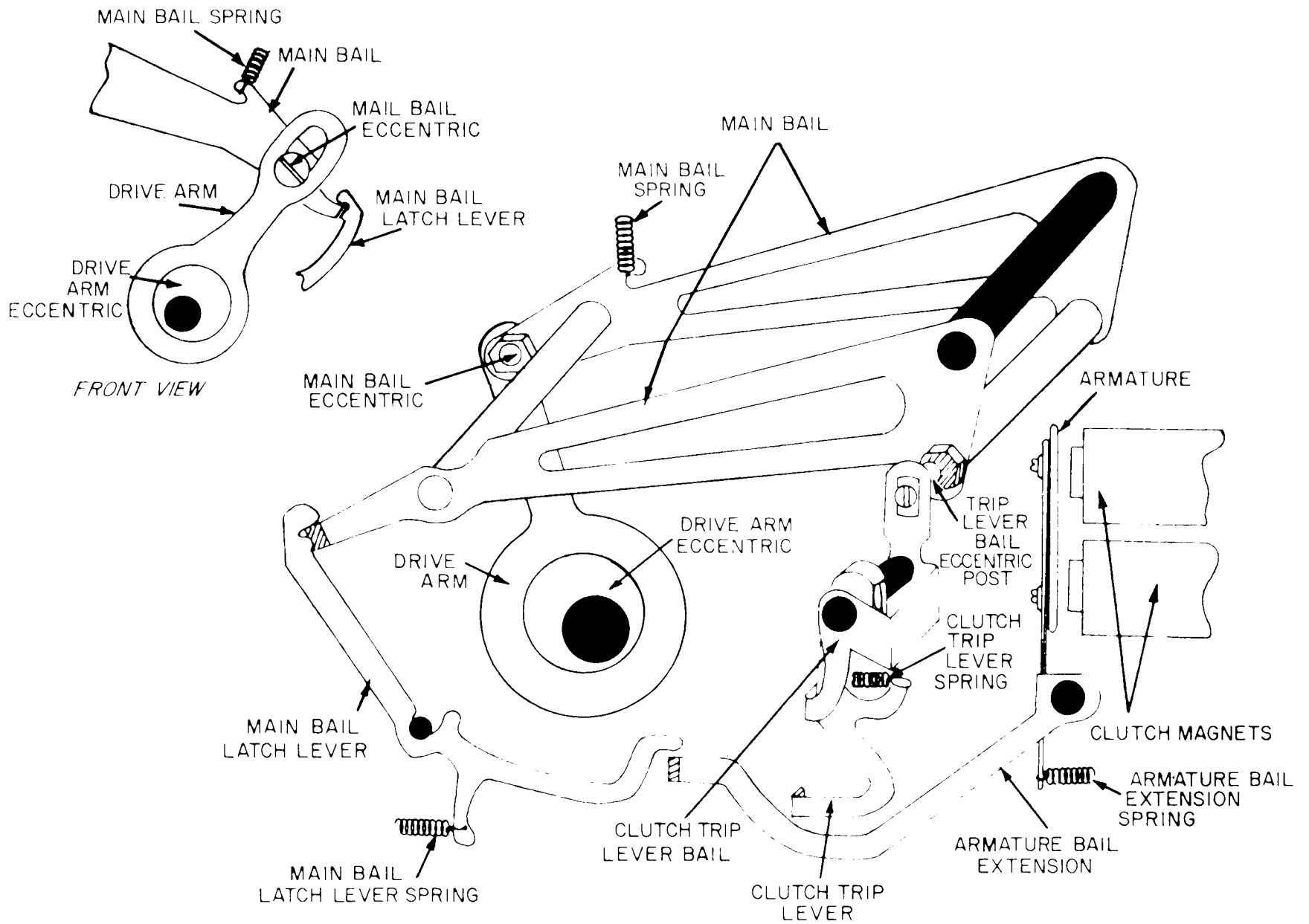
MOD 28 ASR-AN/UGC-6K REPERFORATOR SELECTOR MECHANISM



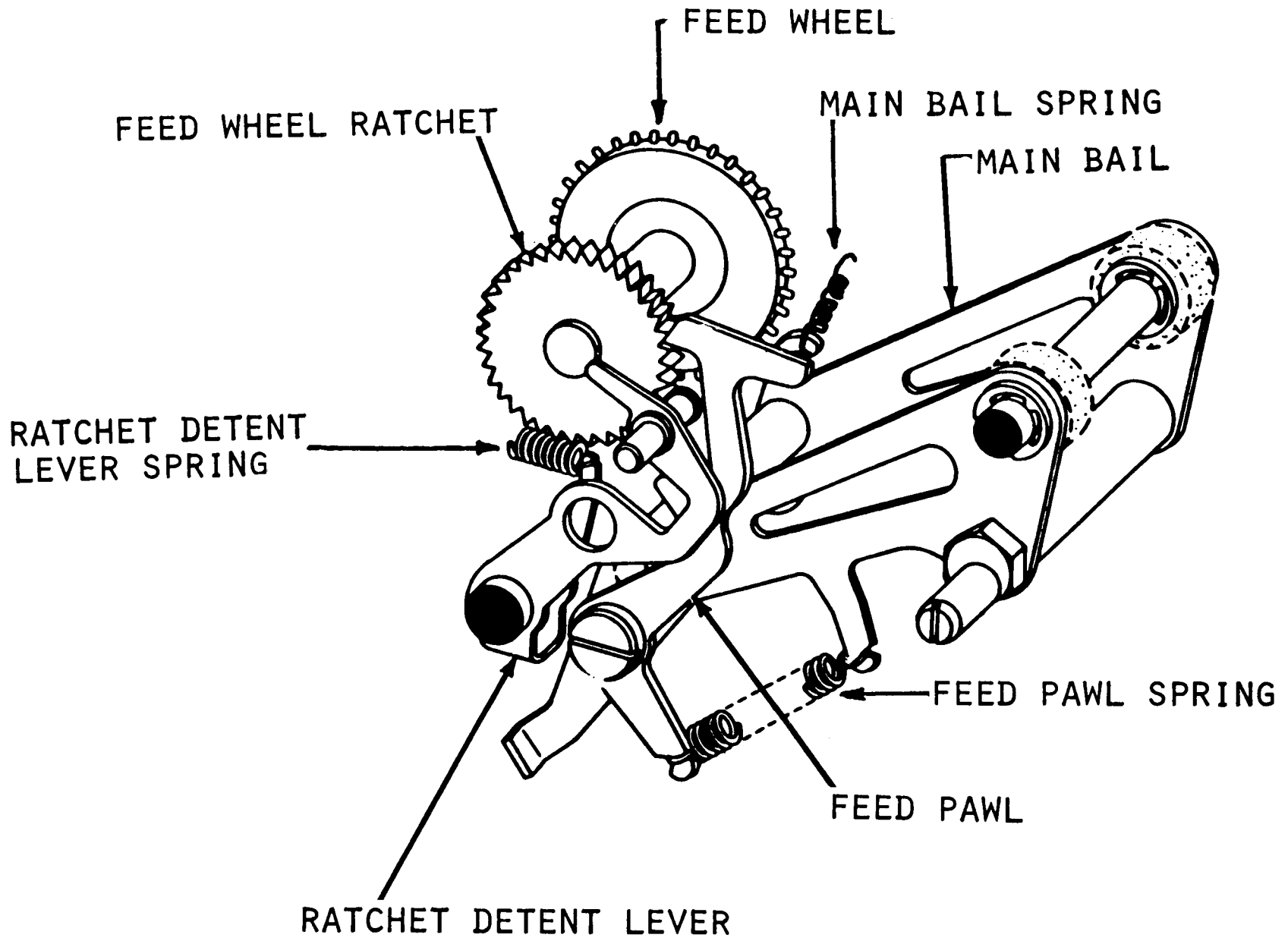
MOD 28 ASR-AN/UGC-6K REPERFORATOR FUNCTION CLUTCH TRIP



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

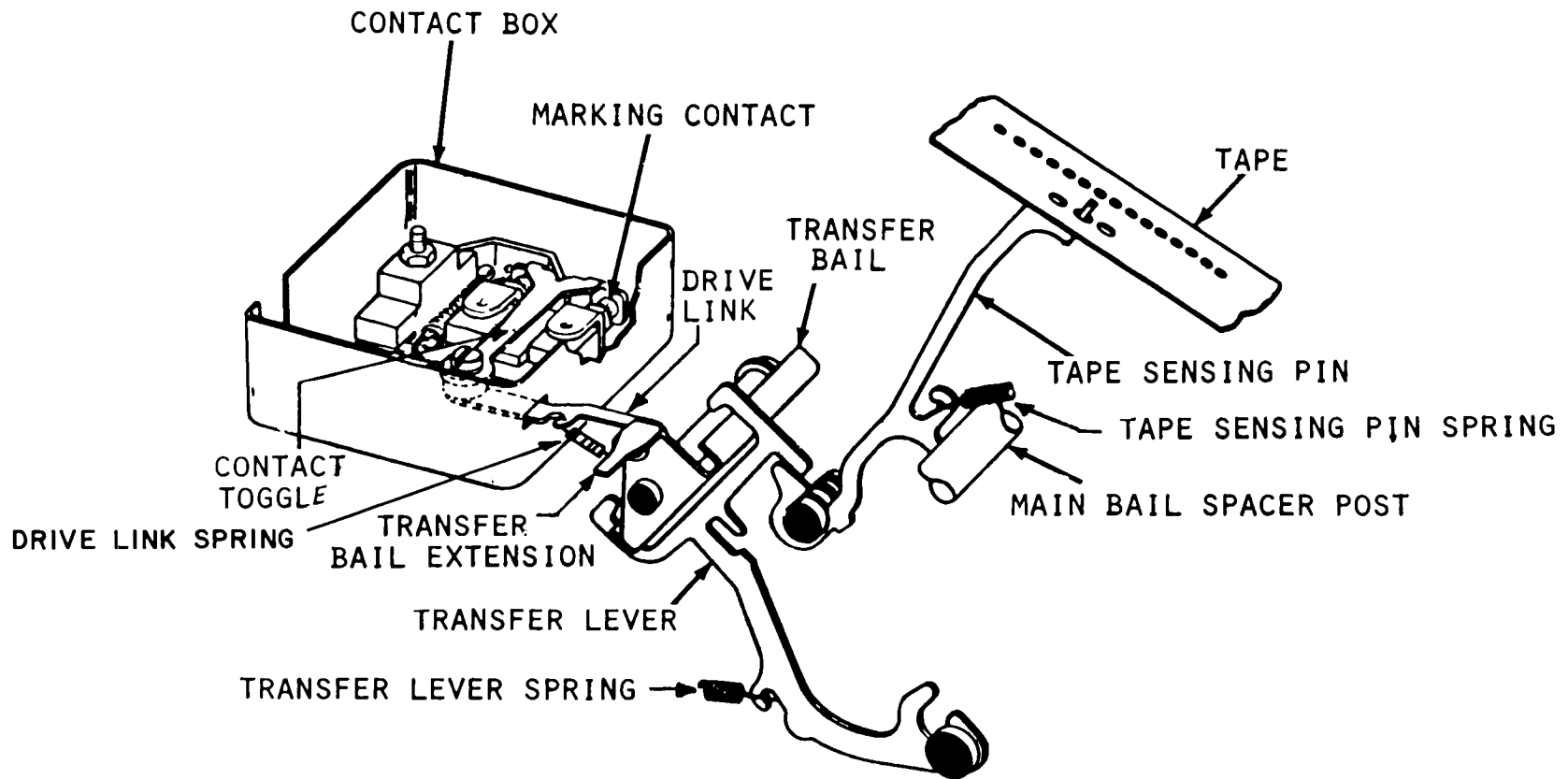
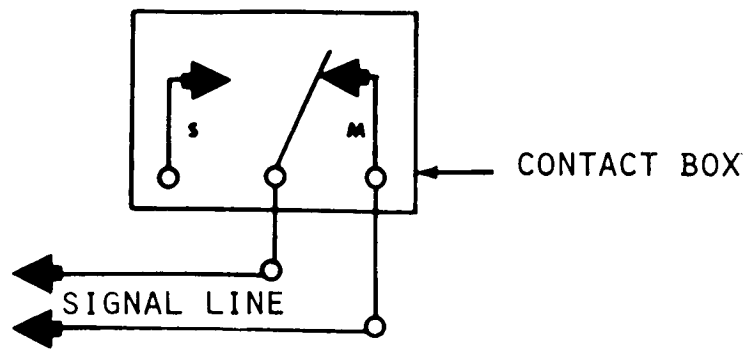


MOD 28 ASR-AN/UGC-6K TD CLUTCH TRIP (REAR VIEW)

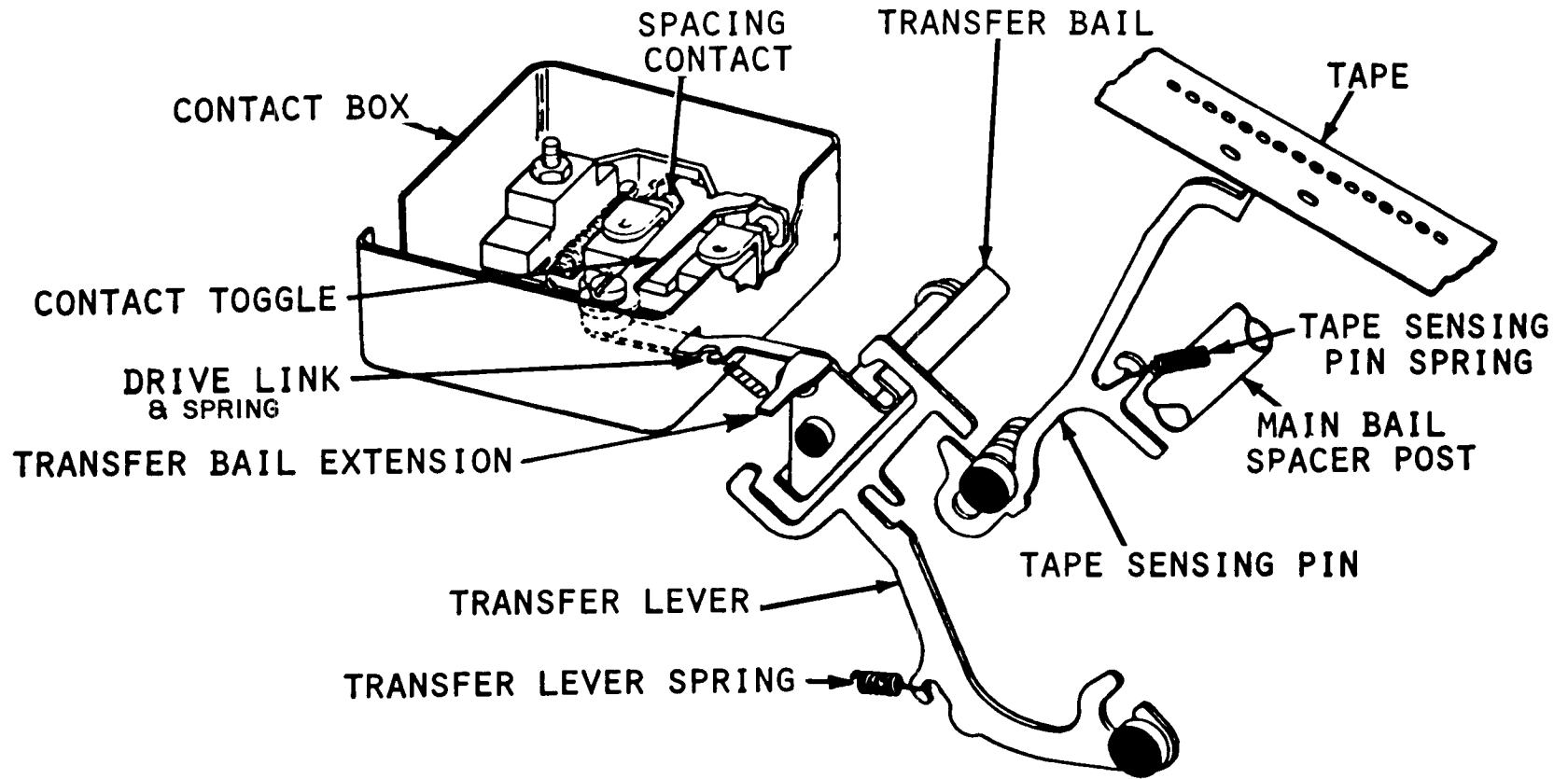
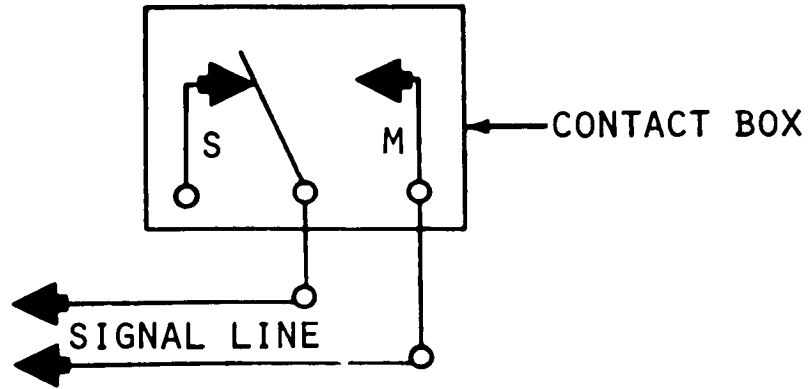


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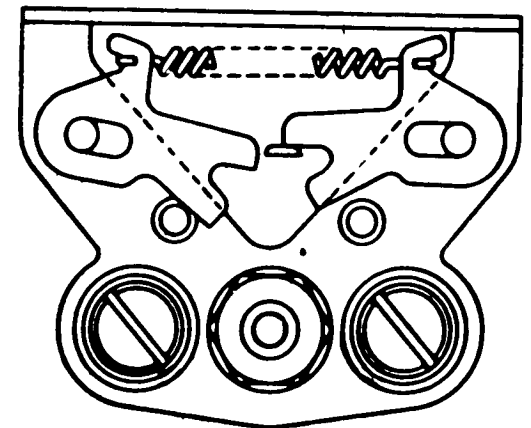
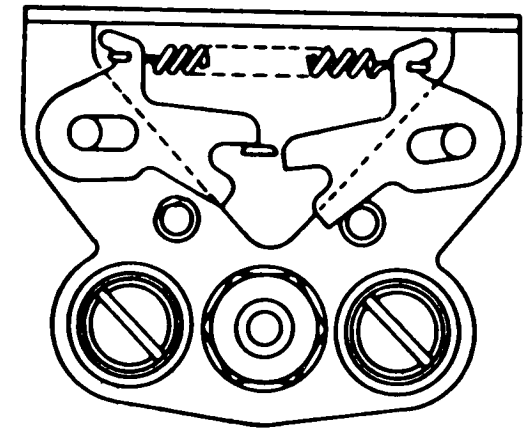
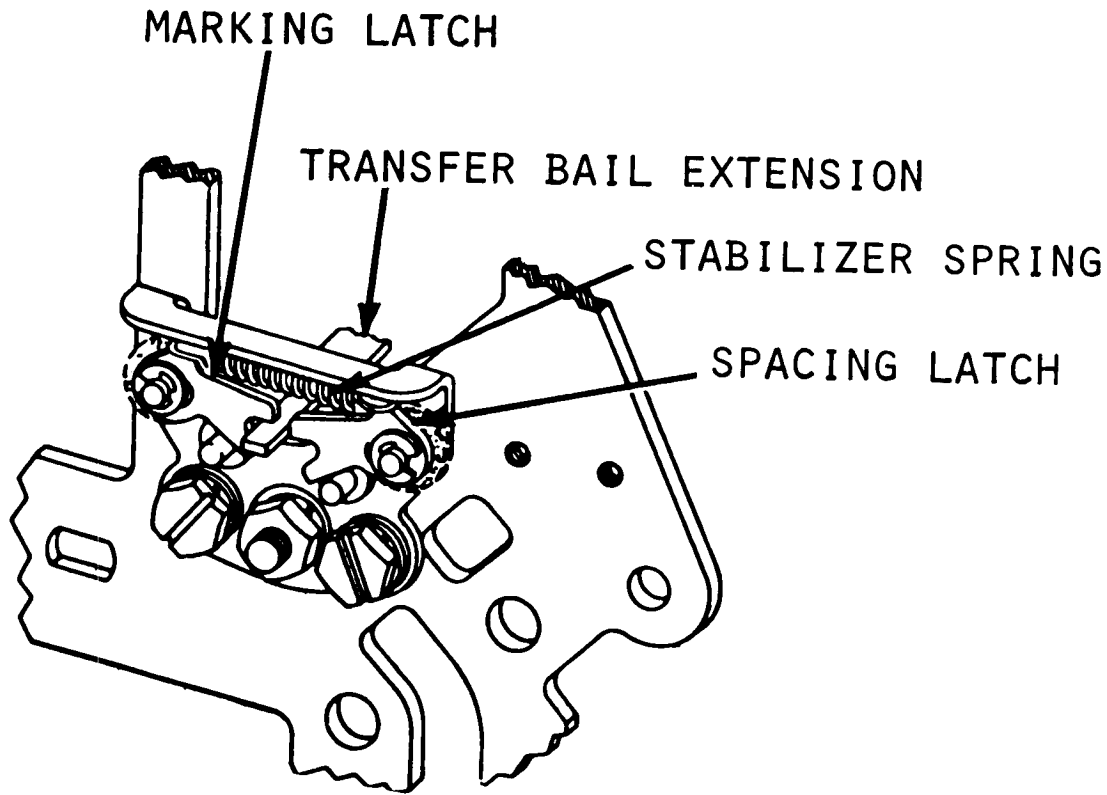
MOD 28 ASR-AN/UGC-6K- TD TAPE FEED (REAR VIEW)



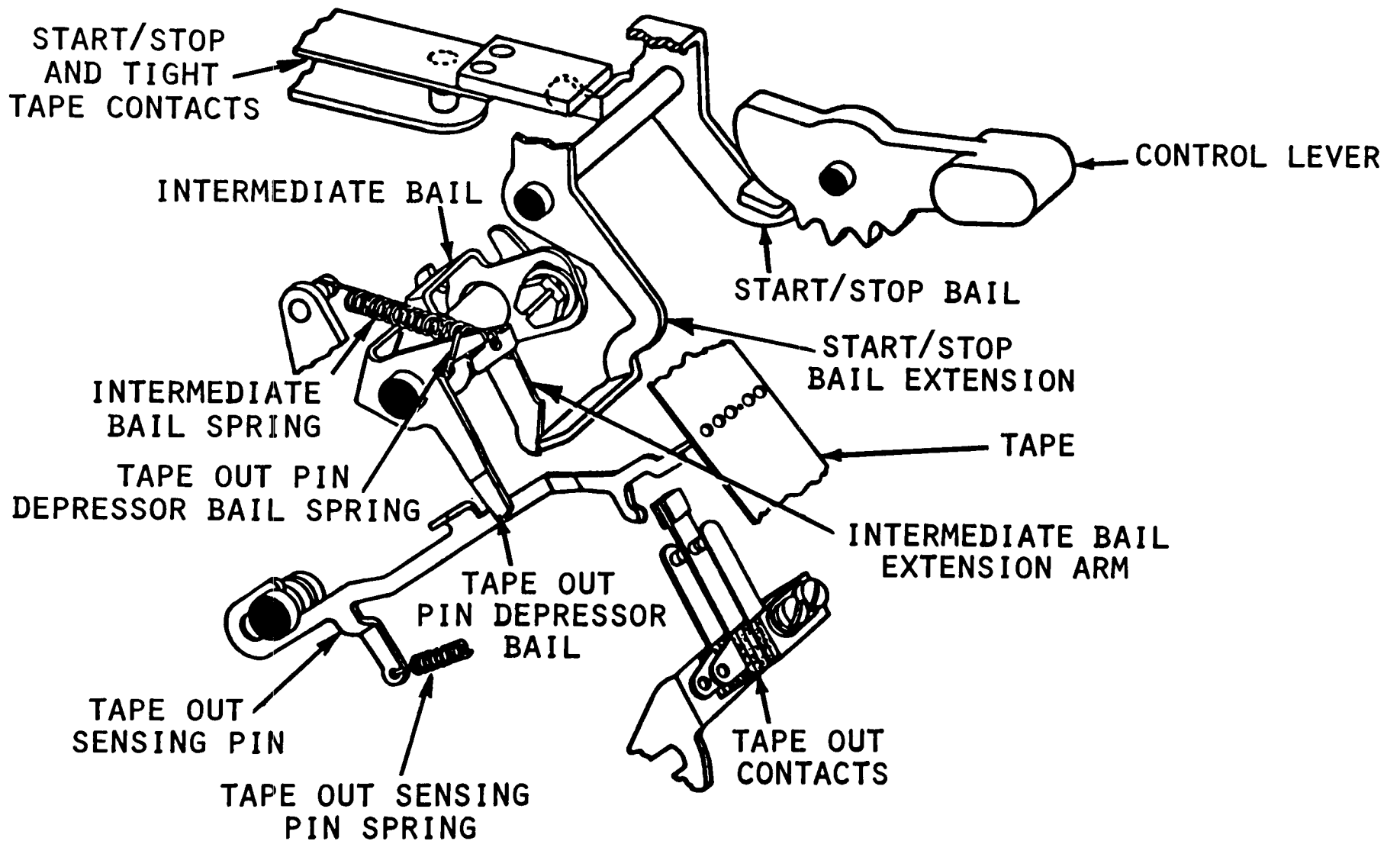
MOD 28 ASR-AN/UGC-6K- TAPE SENSING (MARK)



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

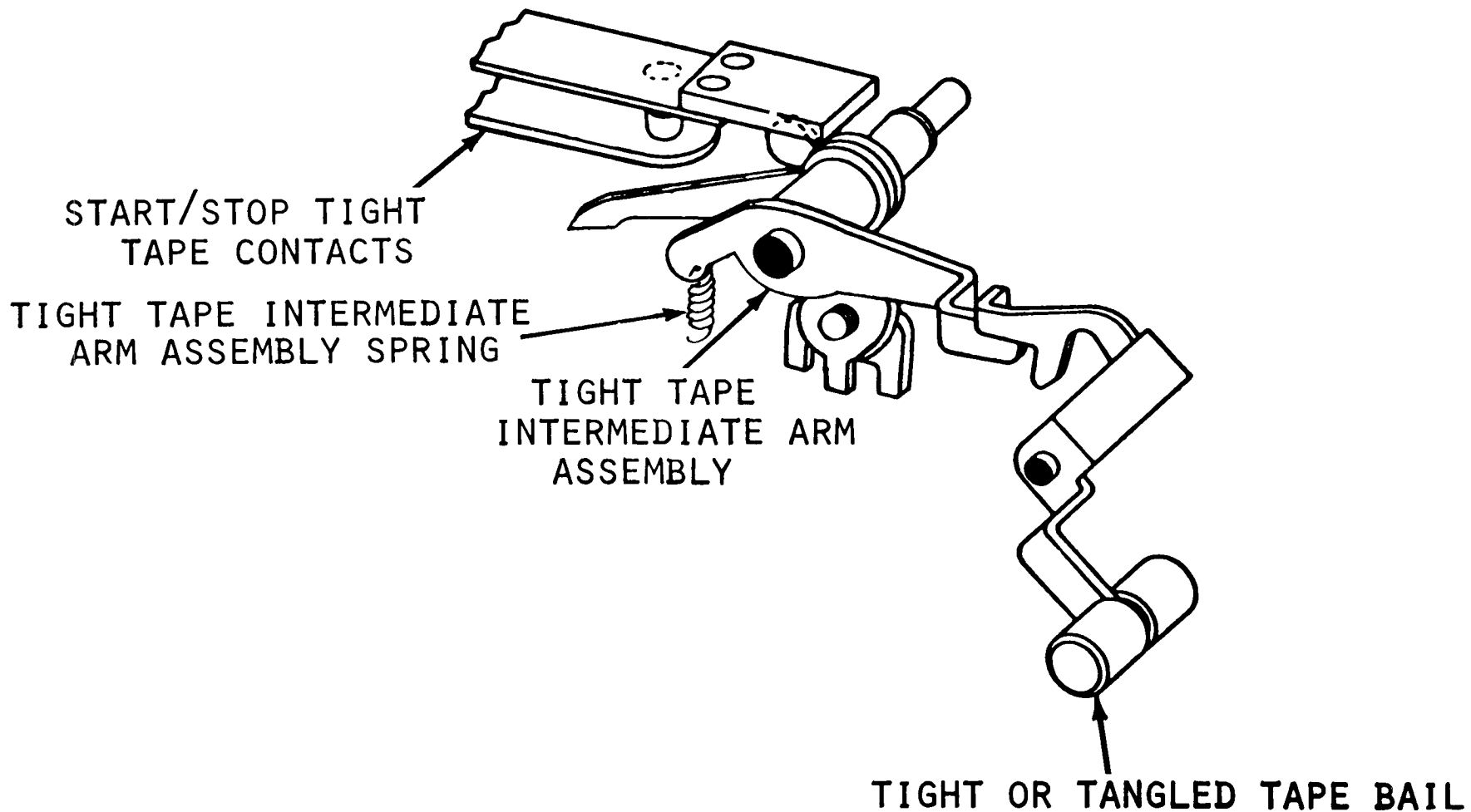


MOD 28 ASR-AN/UGC-6K- TRANSFER BAIL STABILIZER



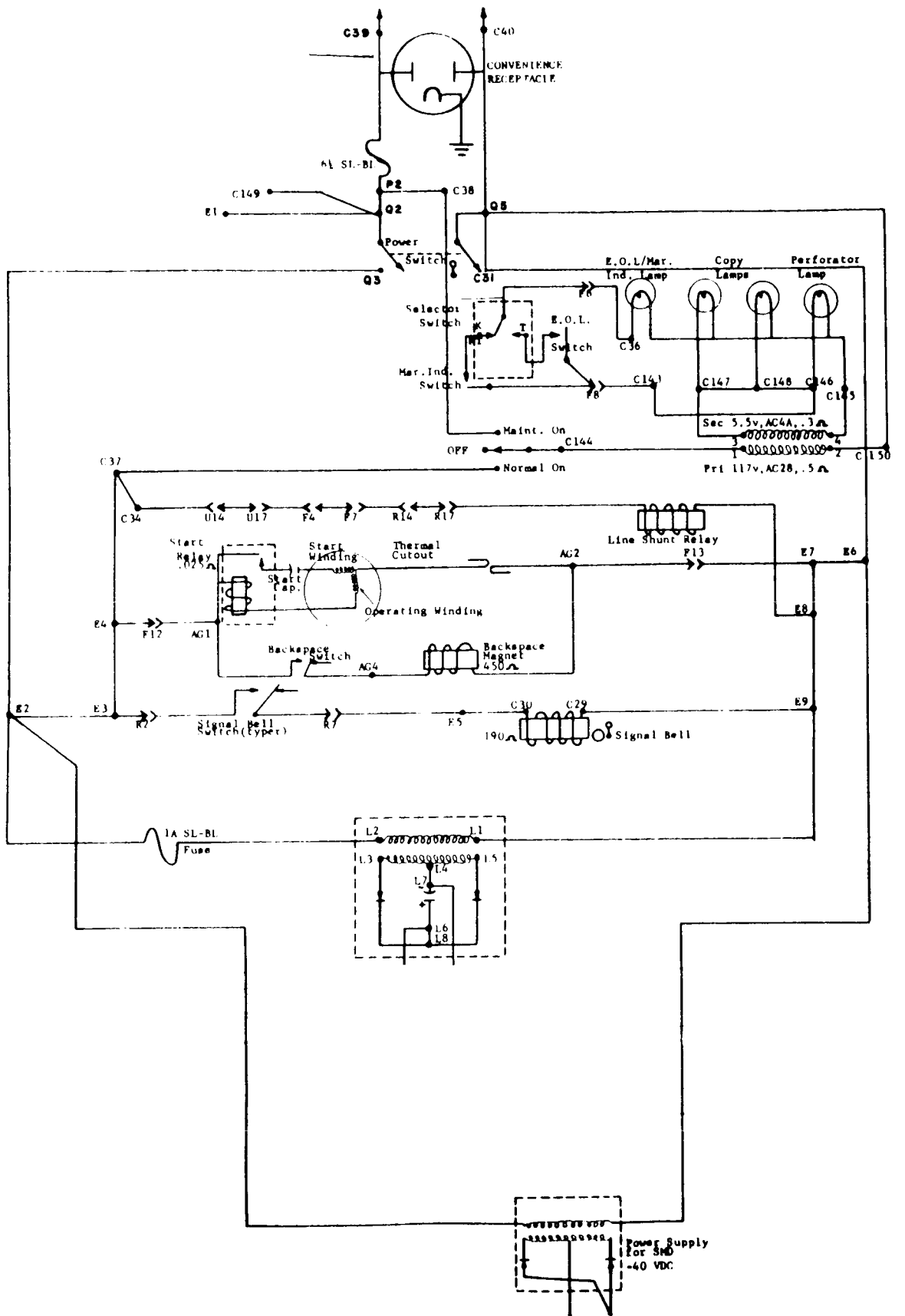
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MOD 28 ASR-AN/UGC-6K- START/STOP MECHANISM & TAPE OUT SENSING

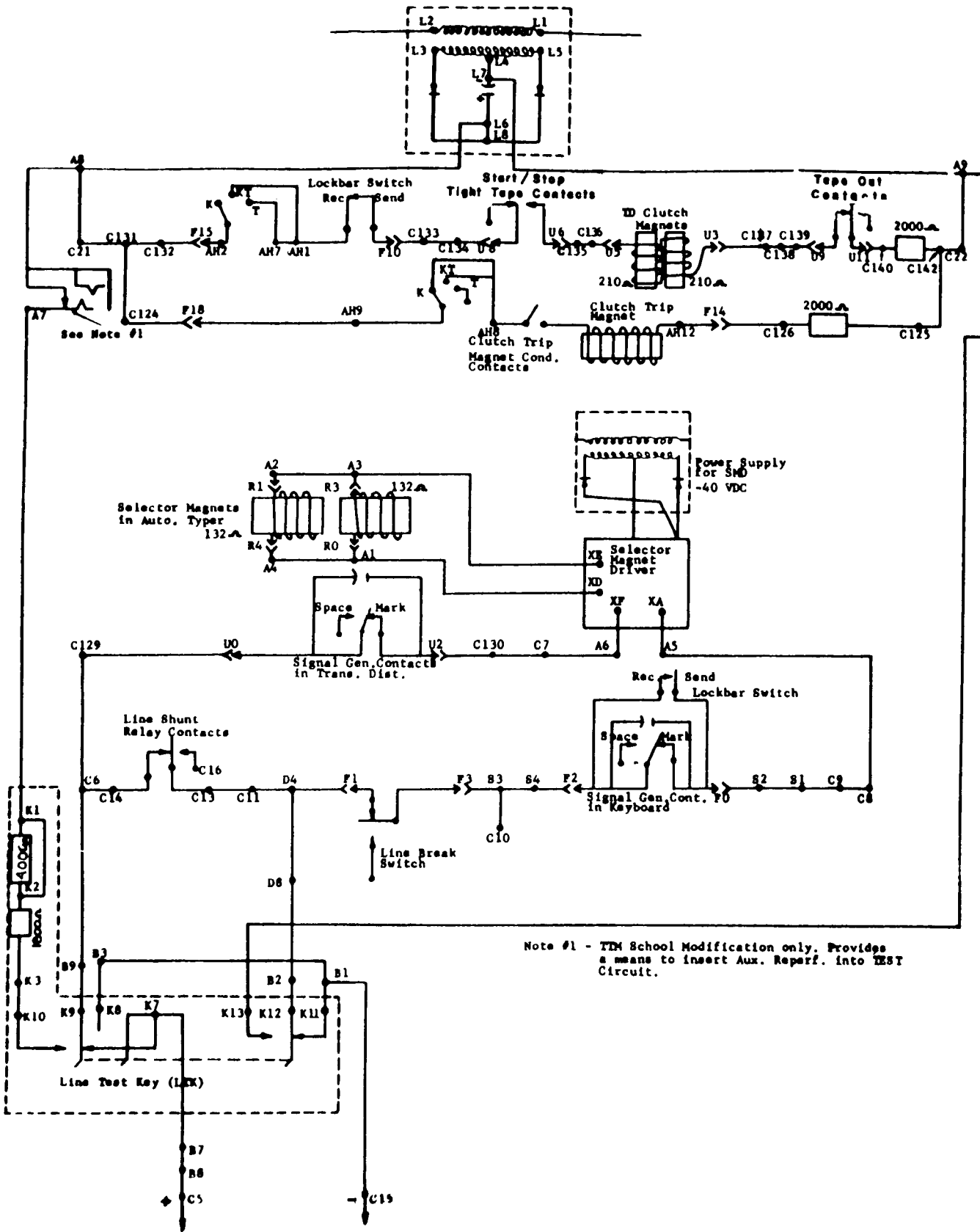


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MOD 28 ASR-AN/UGC-6K- TIGHT OR TANGLED TAPE

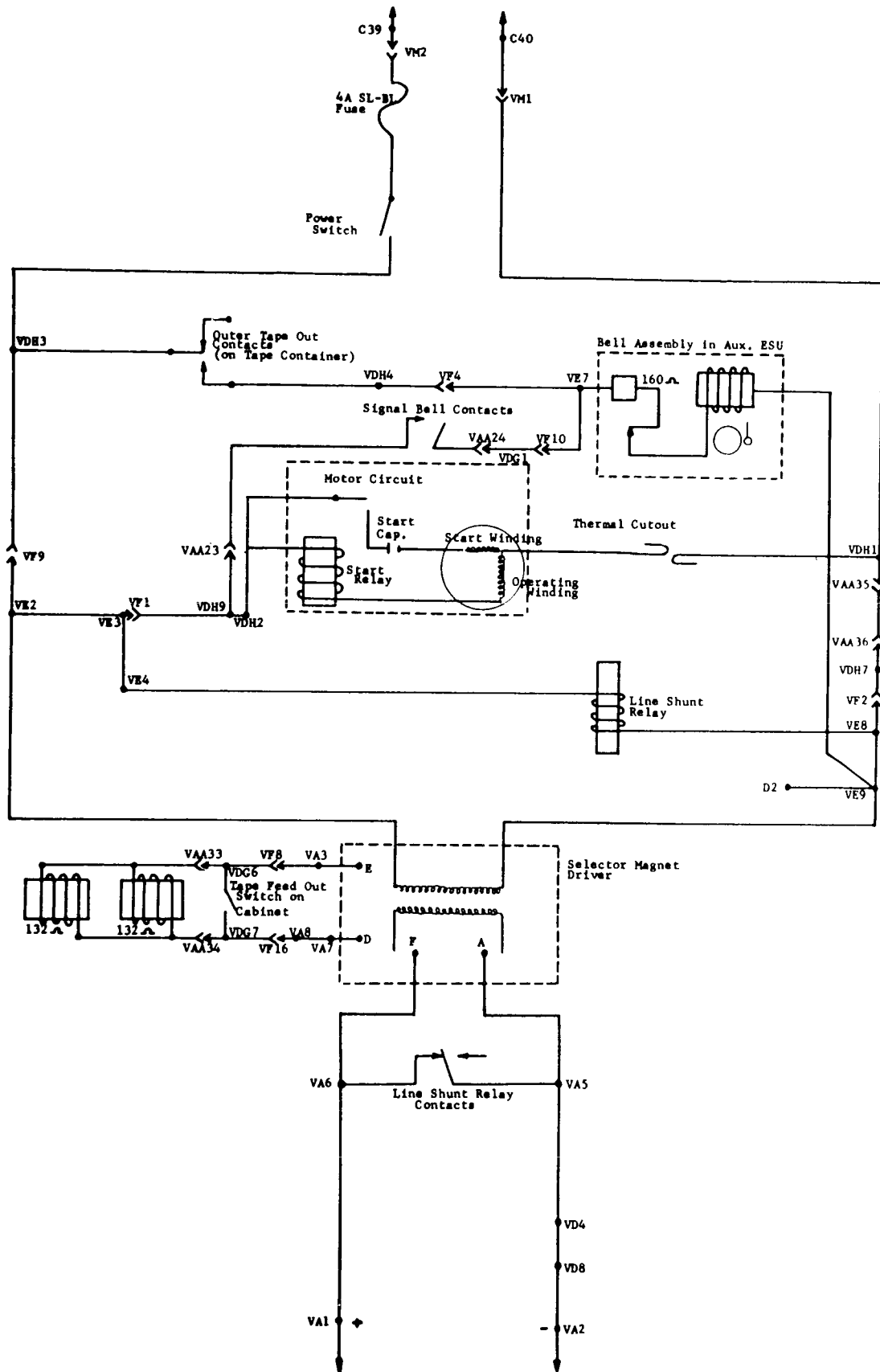


MOD 28 ASR-AN/UGC-6K AC CIRCUITS



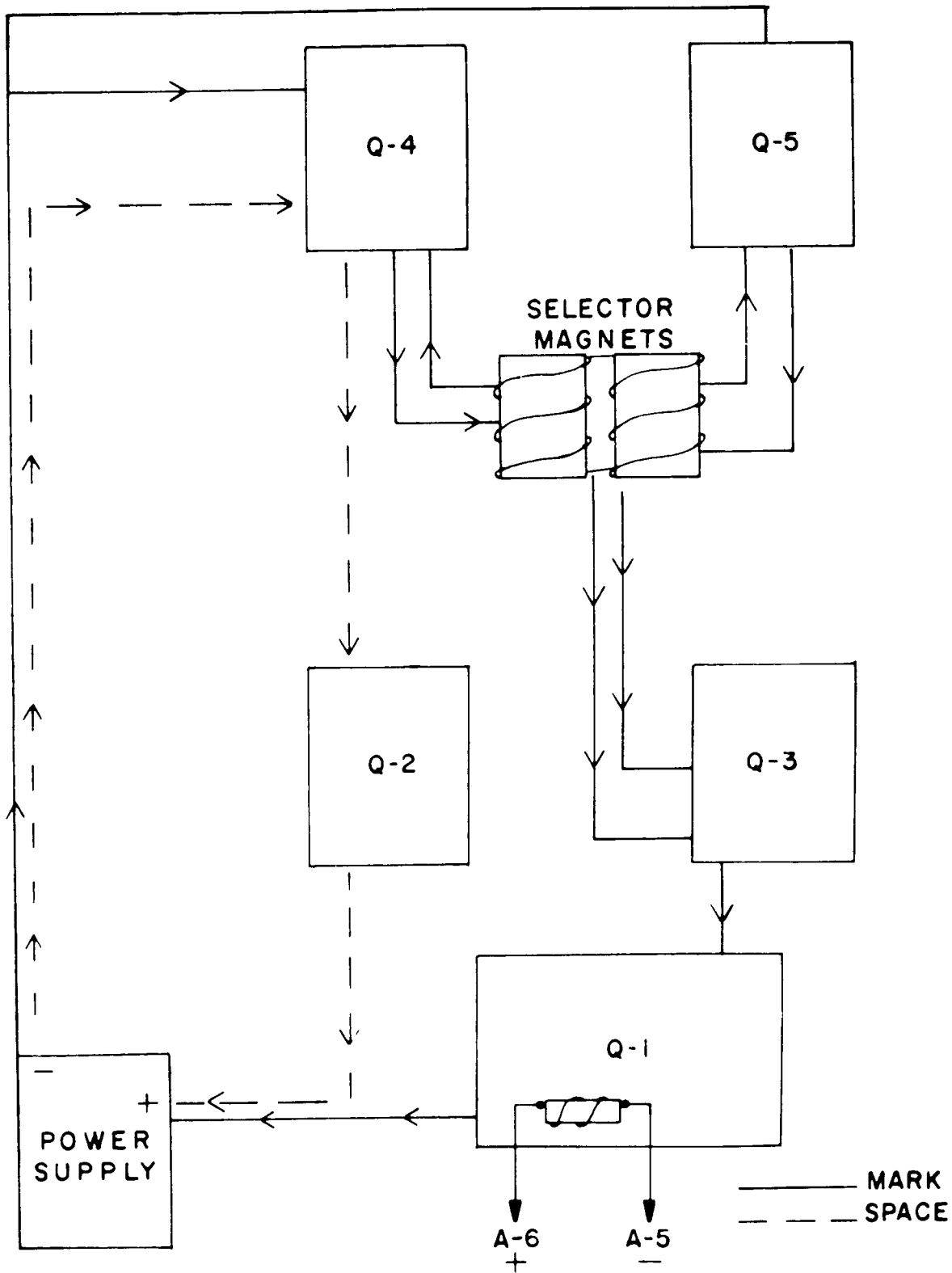
MOD 28 ASR-AN/UGC-6K DC CIRCUITS

6-3-1D



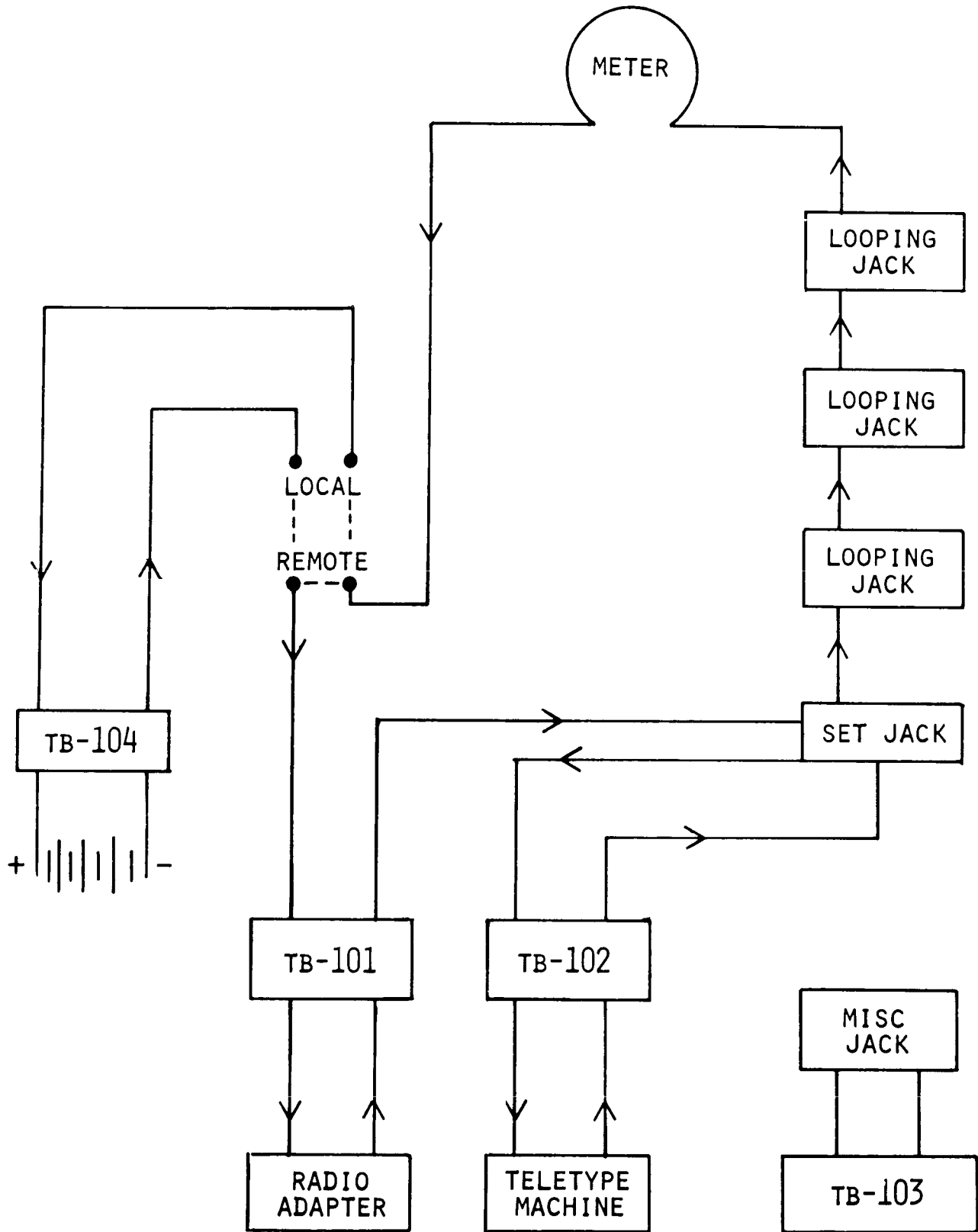
MOD 28 ASR-AN/UGC-6K AC AND DC CIRCUITS OF REPERFORATOR

6-4-1D



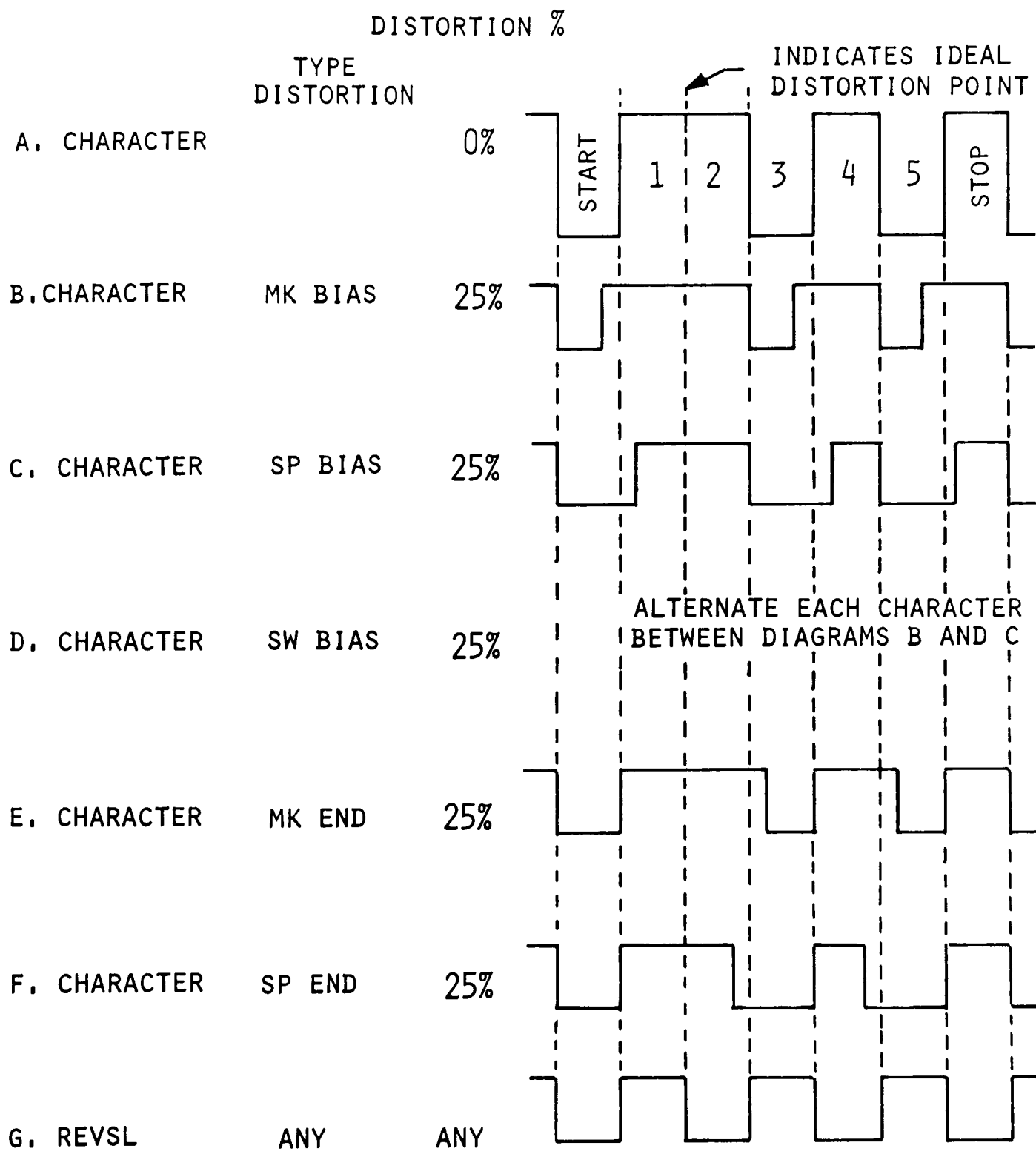
MOD 28 ASR-AN/UGC-6K SMD

6-5-1D



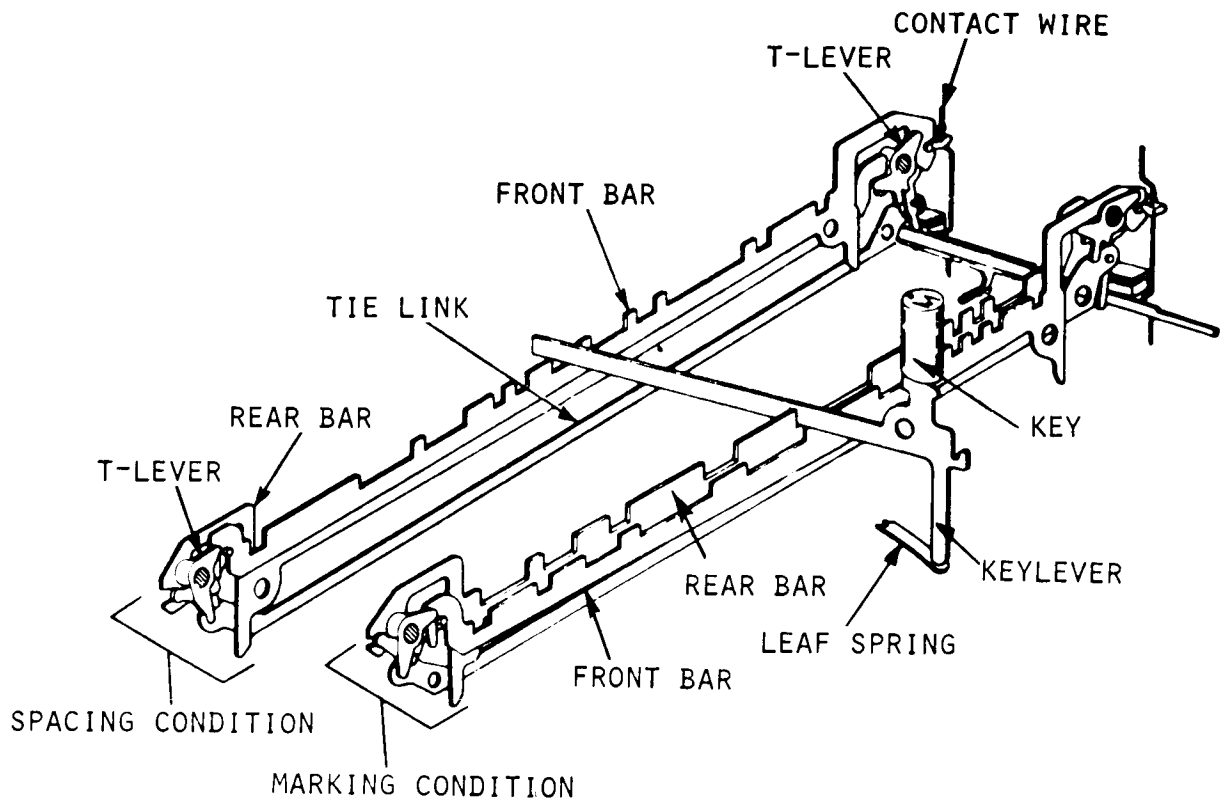
MOD 28 ASR-AN/UGC-6K- TELETYPE PANEL BLOCK DIAGRAM

6-6-1D

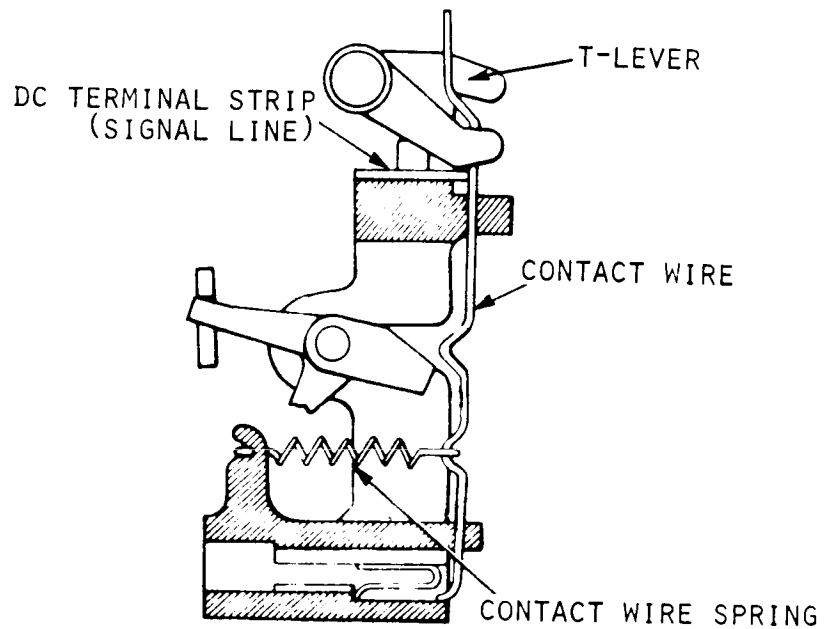


MOD 28 ASR-AN/UGC-6K TELETYPE DISTORTION

7-1-1D



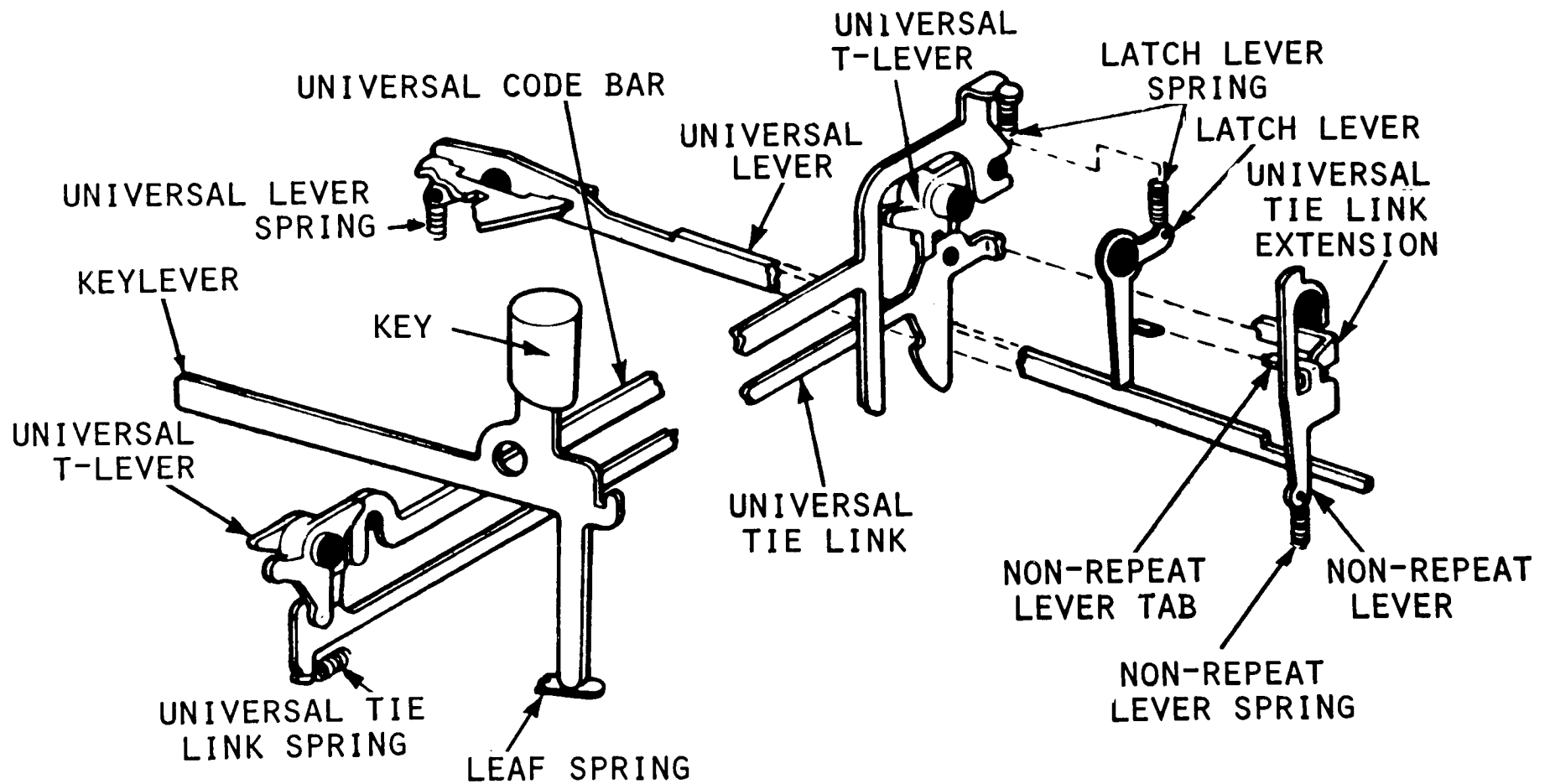
(LEFT FRONT VIEW)



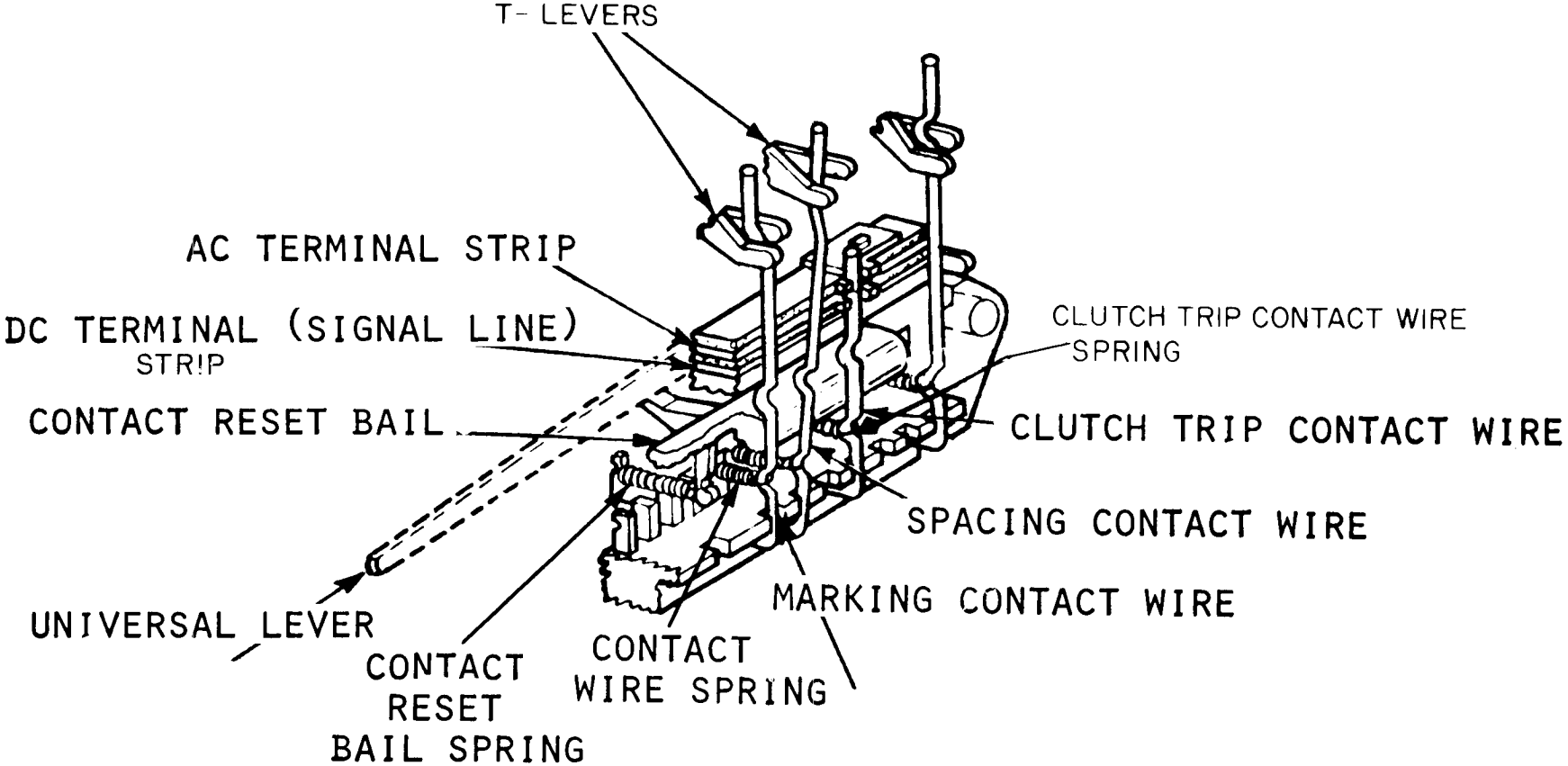
(FRONT VIEW)

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

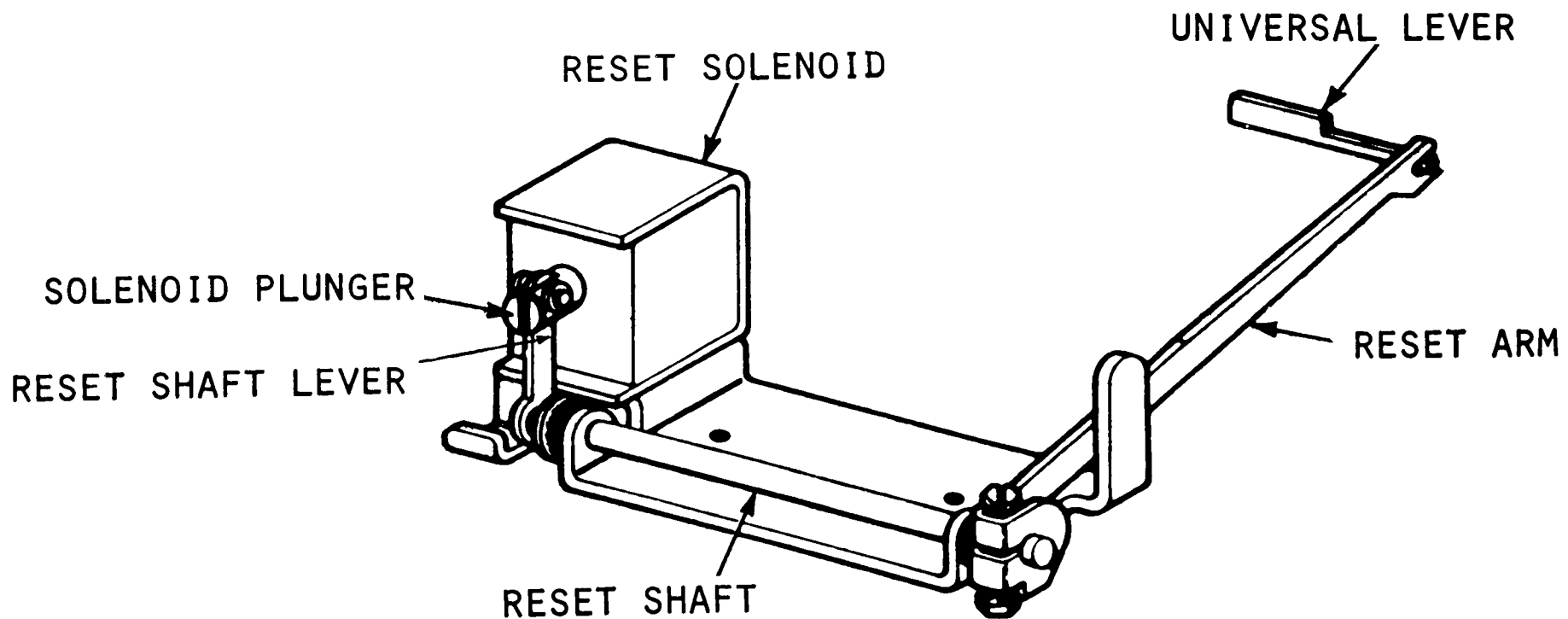
8-2-1D



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

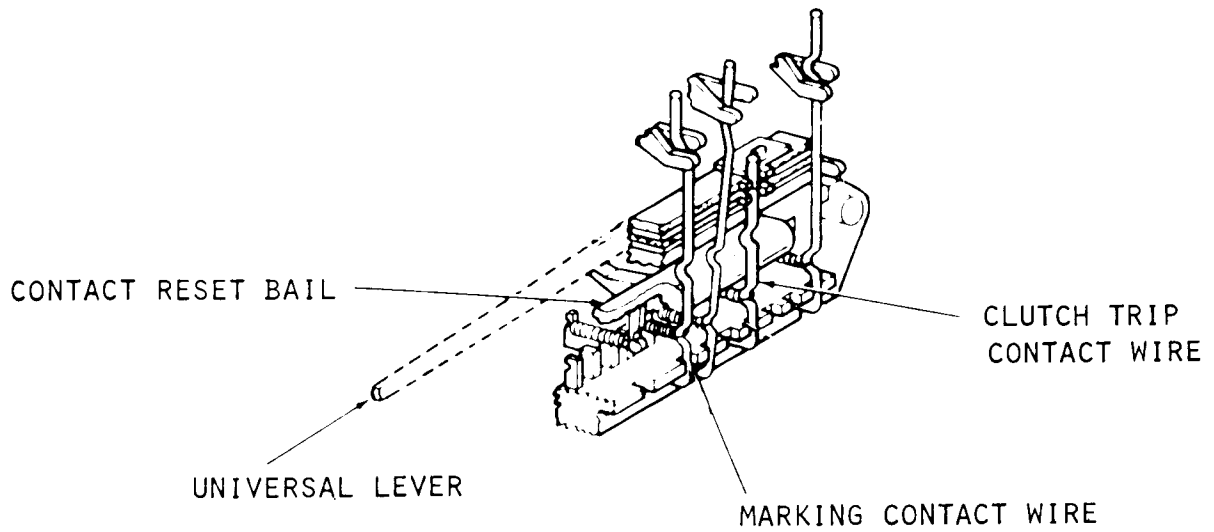


MOD 28 ASR-AN/UGC-20- CONTACT MECHANISM (RIGHT FRONT VIEW)

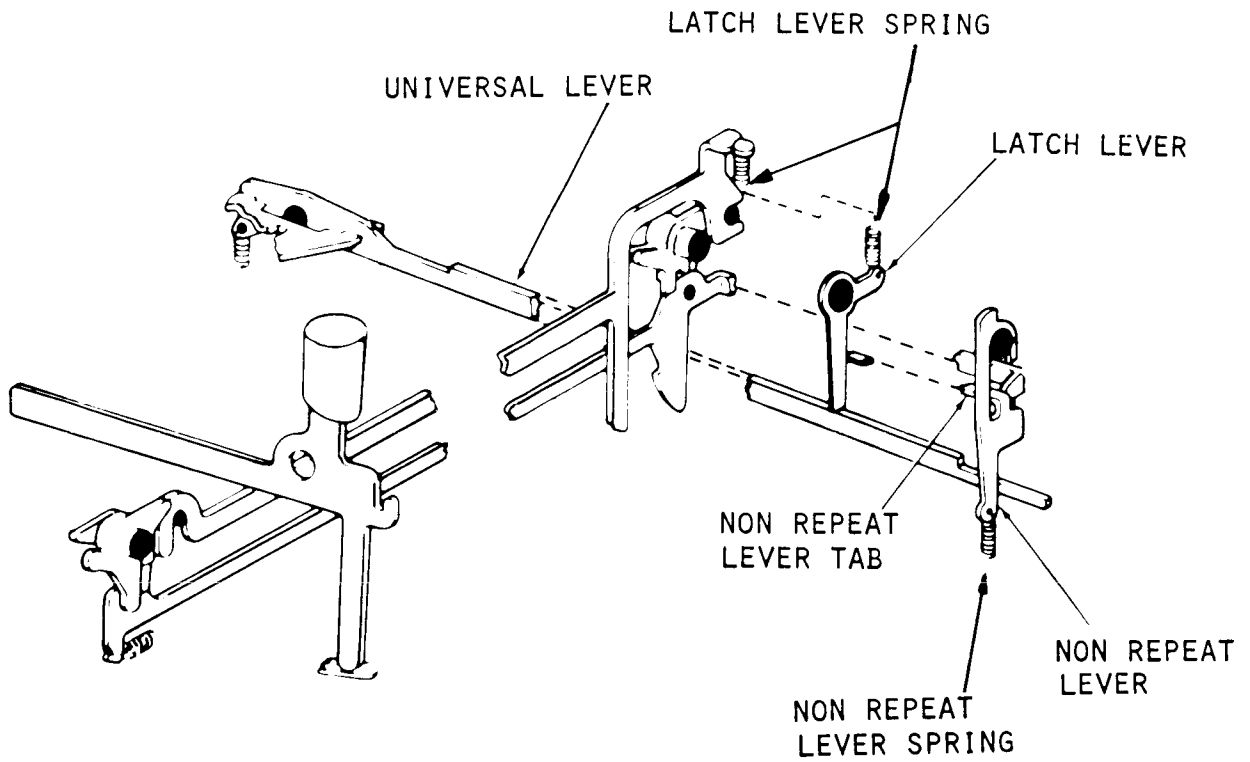


MOD 28 ASR-AN/UGC-20- RESET MECHANISM #1 (LEFT FRONT VIEW)

RIGHT FRONT VIEW

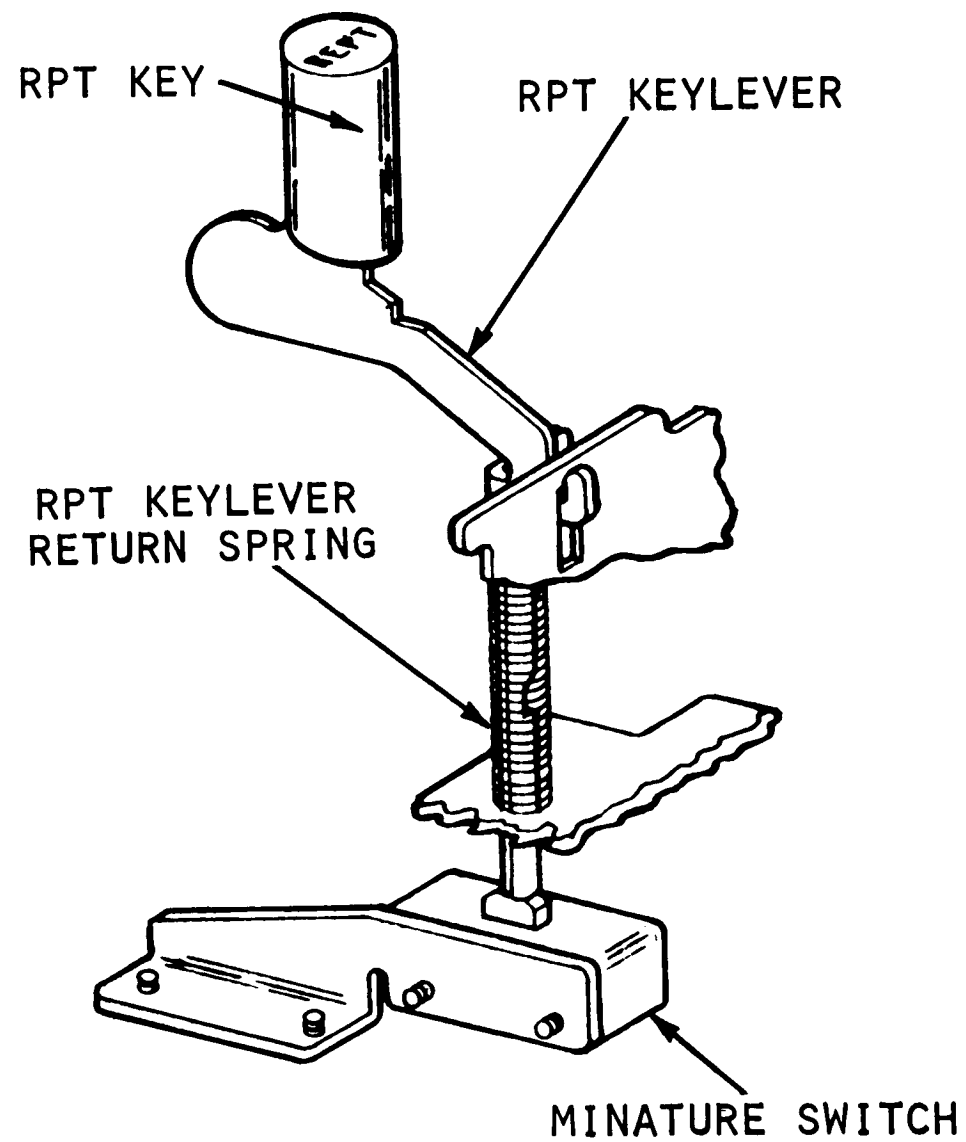


LEFT FRONT VIEW

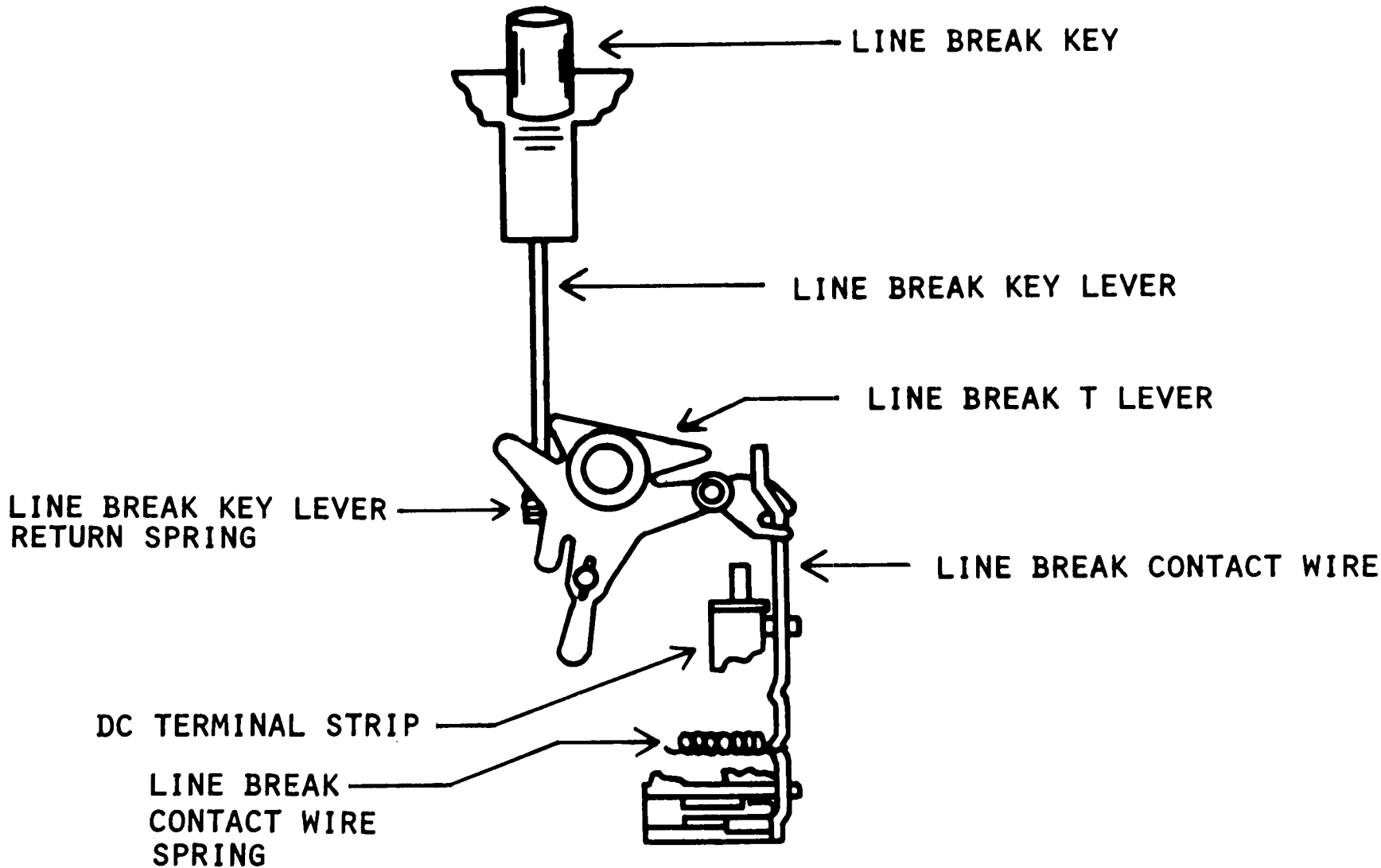


MOD 28 ASR-AN/UGC-20 RESET MECHANISM #2

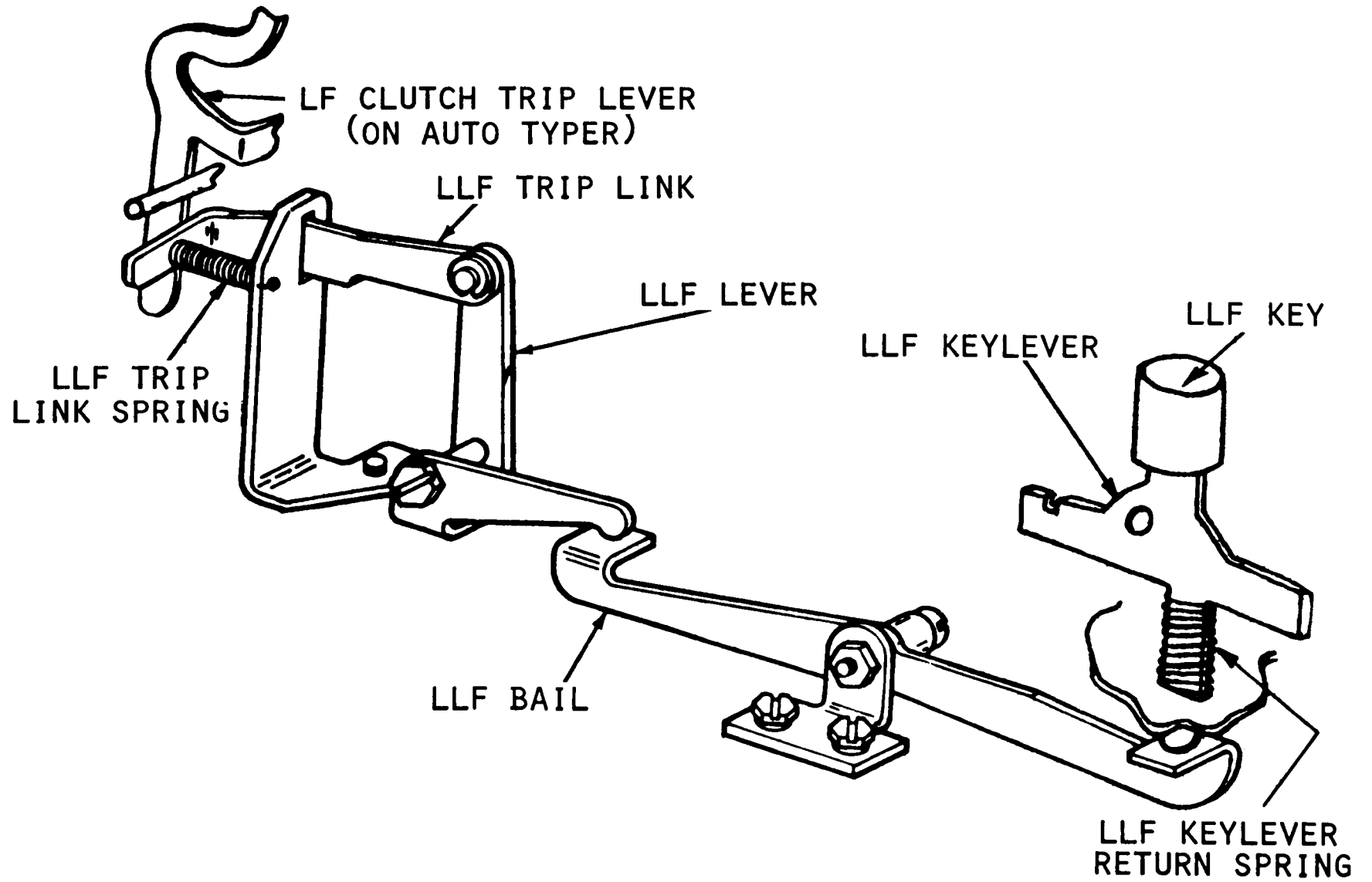
8-2-5D



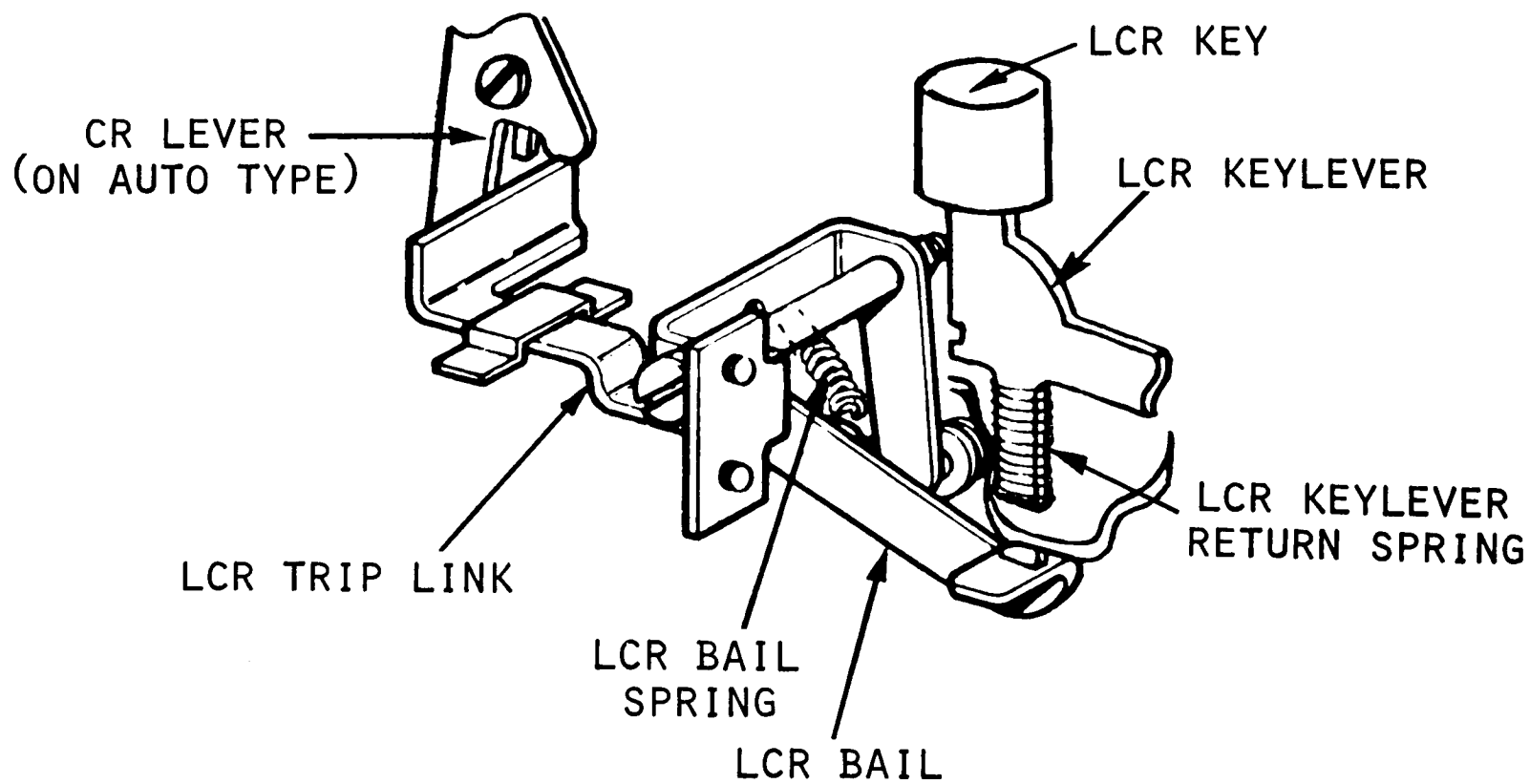
MOD 28 ASR-AN/UGC-20- REPEAT MECHANISM (LEFT FRONT VIEW)



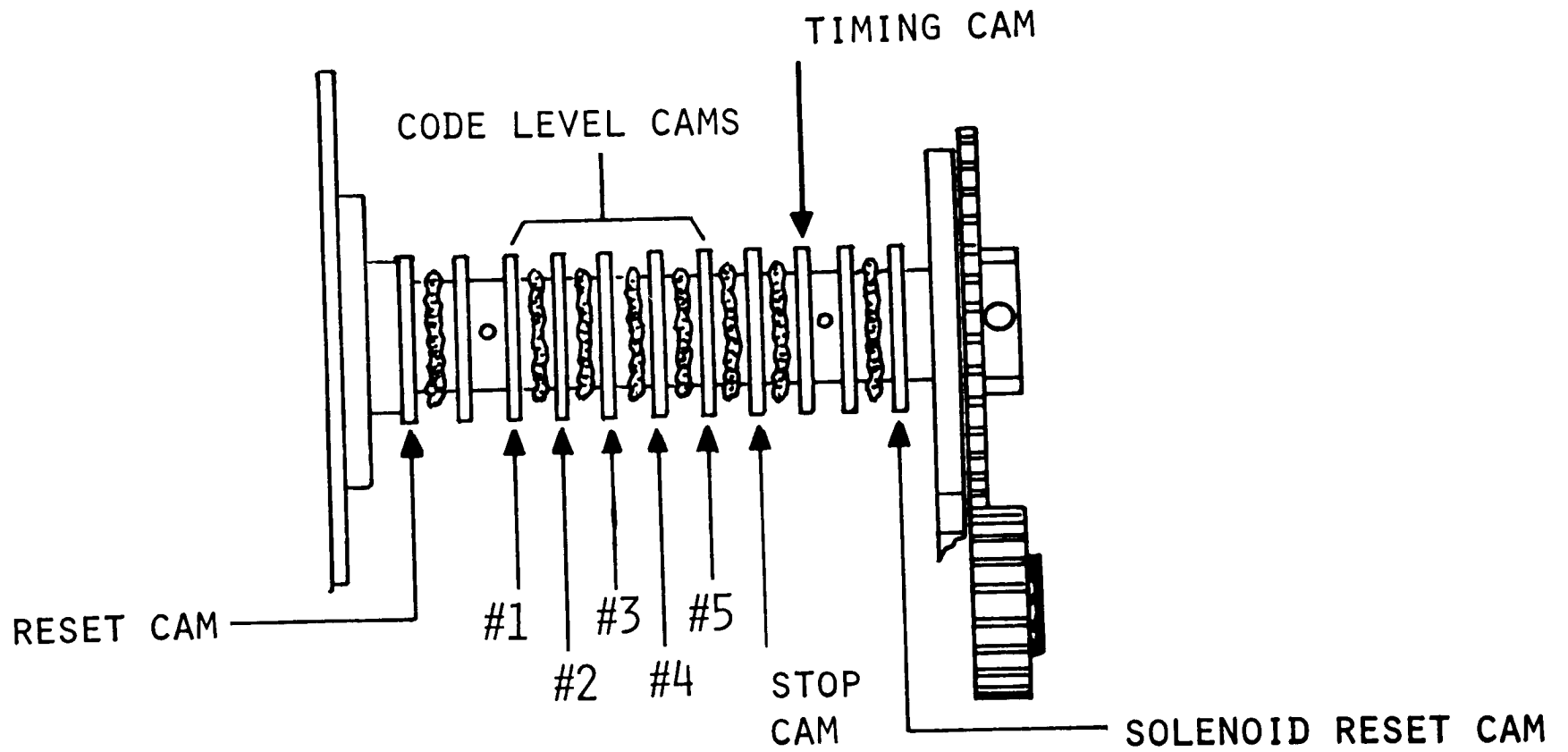
MOD 28 ASR-AN/UGC-20 LINE BREAK MECHANISM



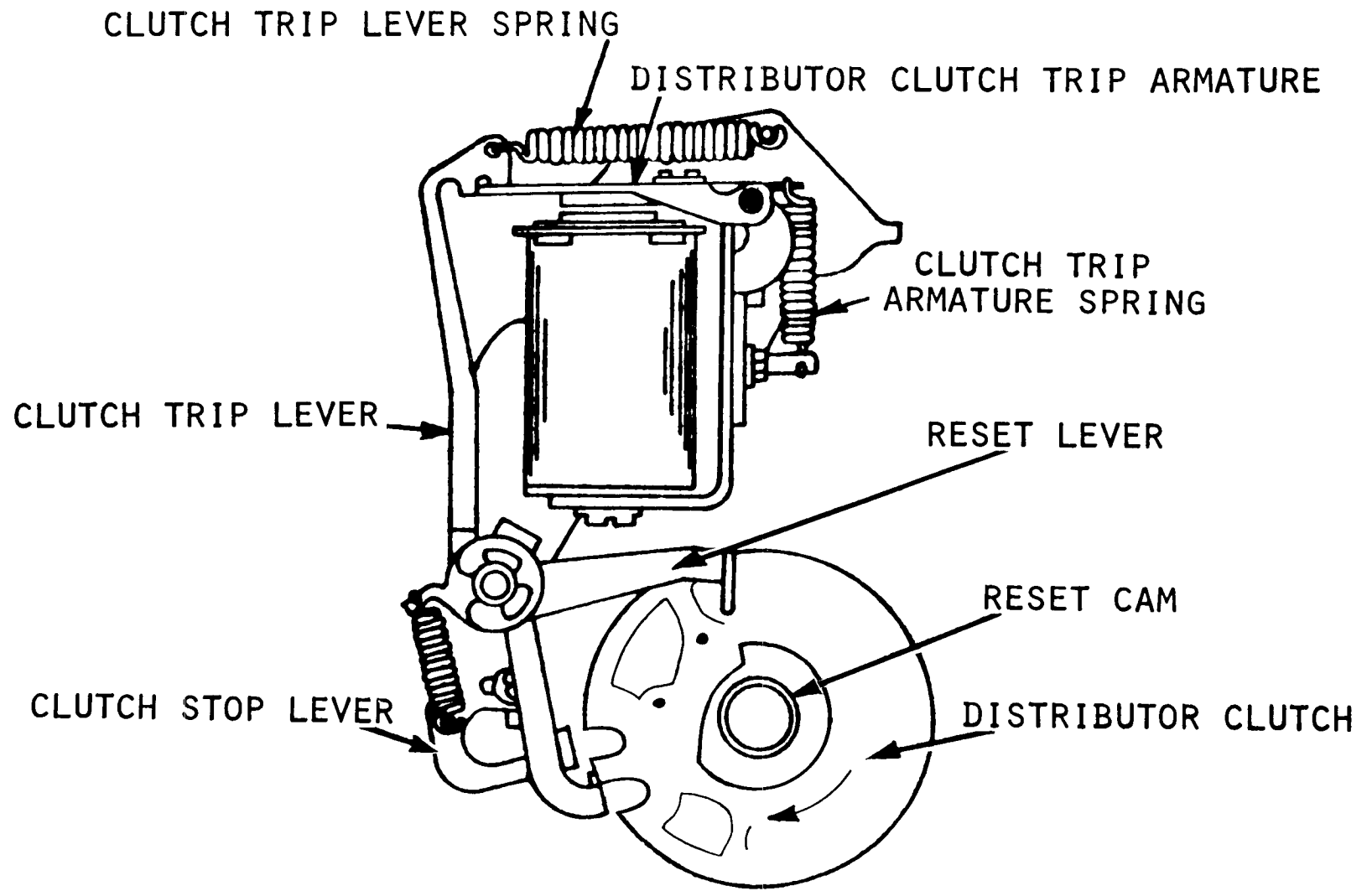
MOD 28 ASR-AN/UGC-20- LOCAL LINE FEED (LLF) (LEFT VIEW)



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

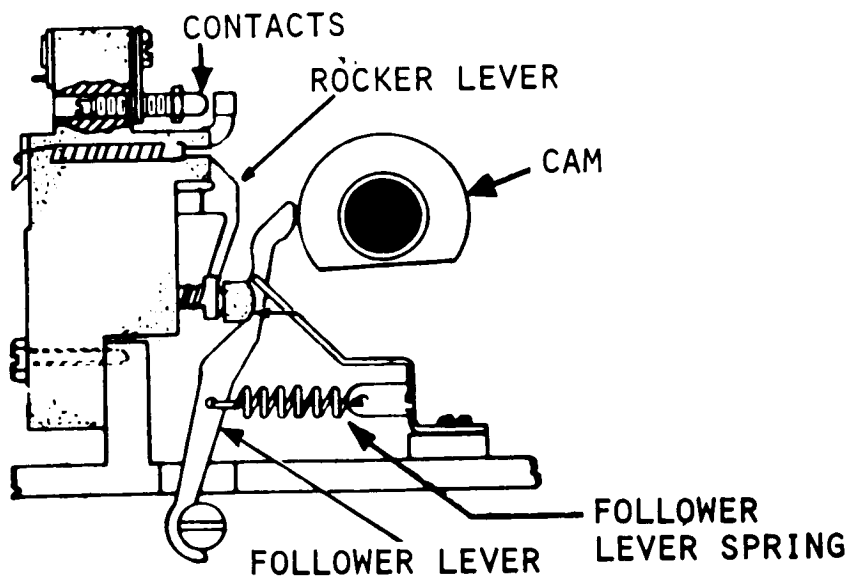
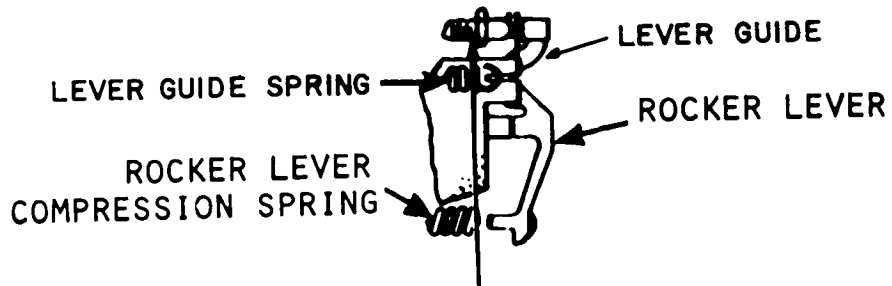


MOD 28 ASR-AN/UGC-20 DISTRIBUTOR CAM SLEEVE

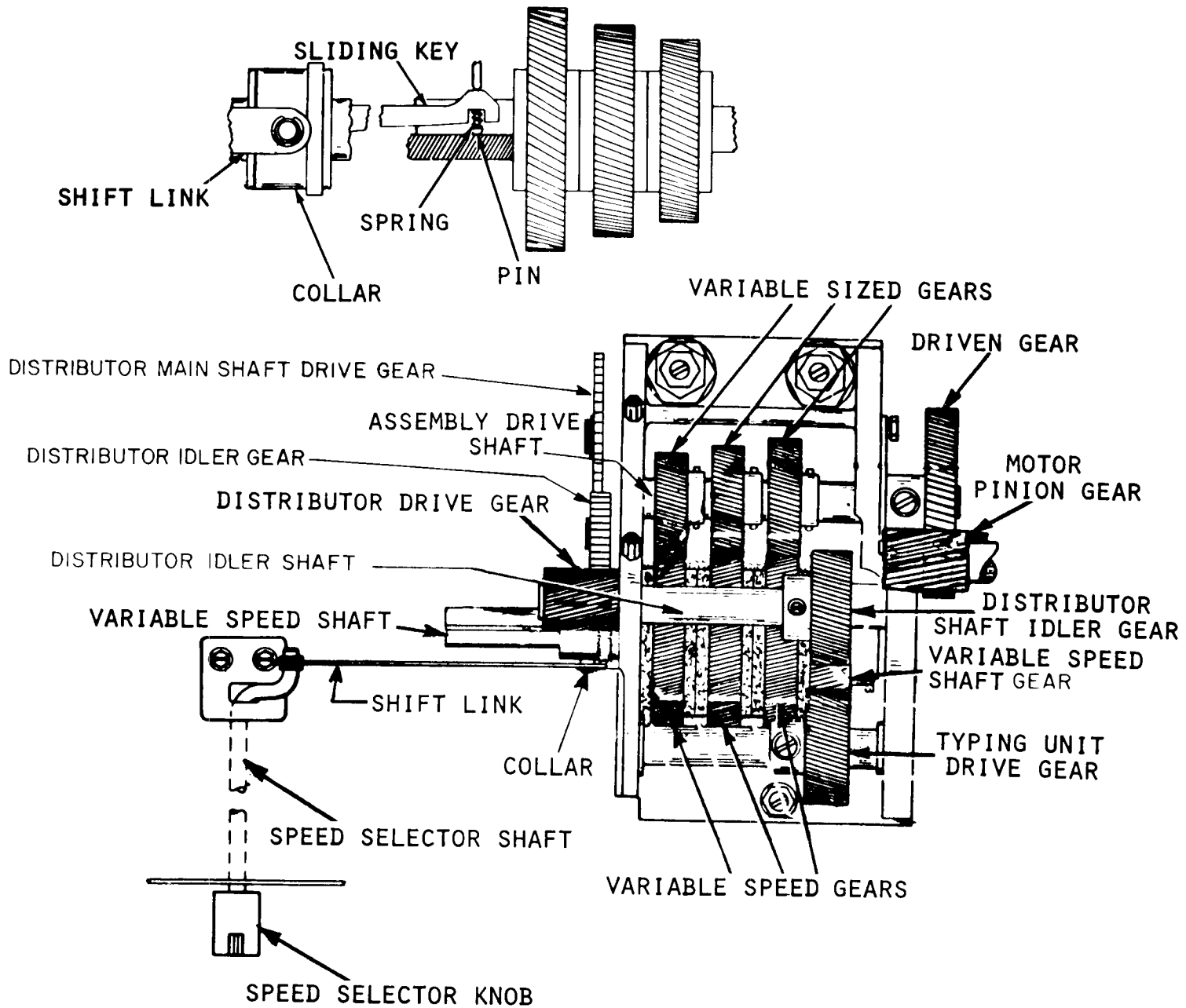


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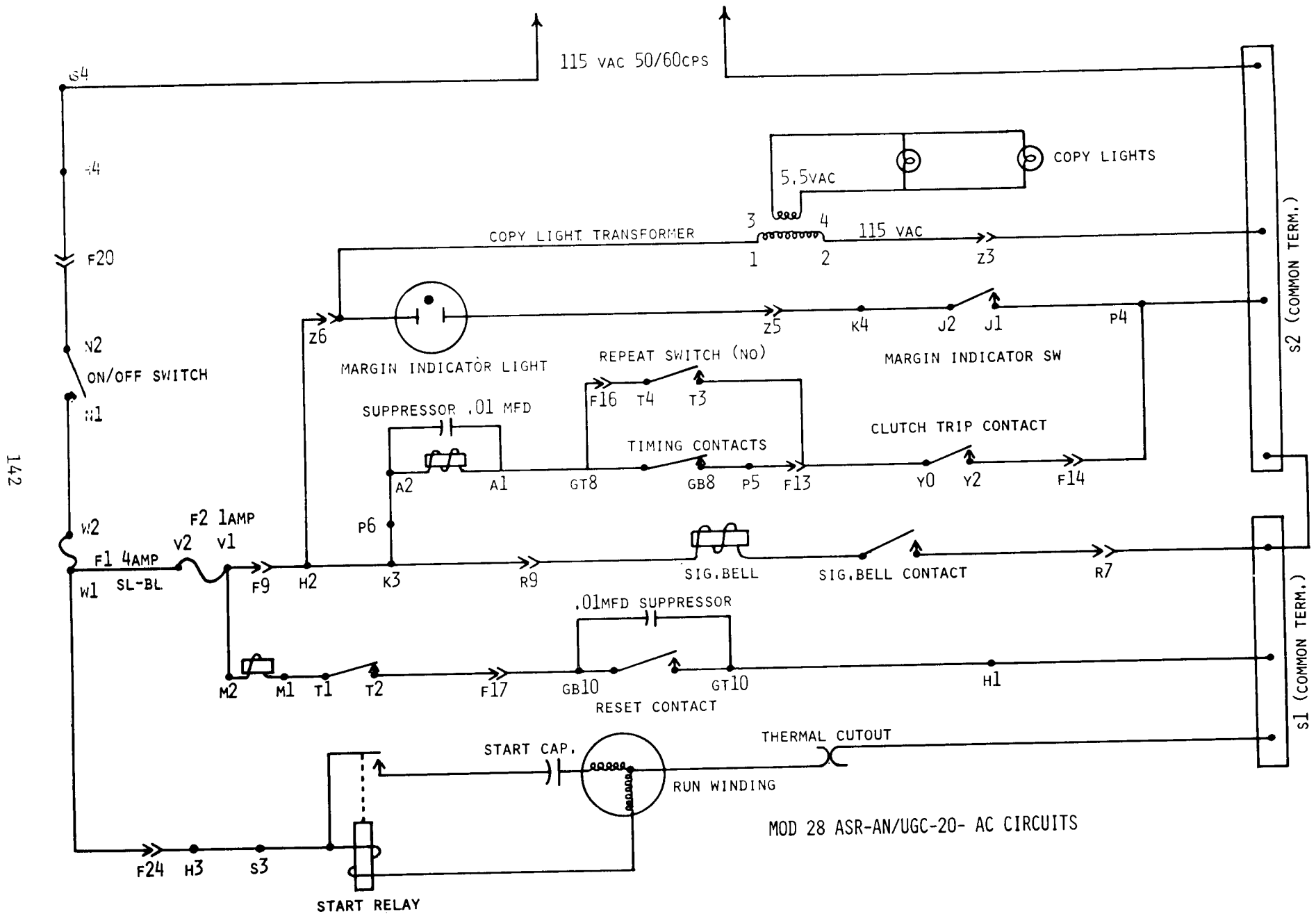
MOD 28 ASR-AN/UGC-20- DISTRIBUTOR CLUTCH TRIP MECHANISM (RIGHT VIEW)



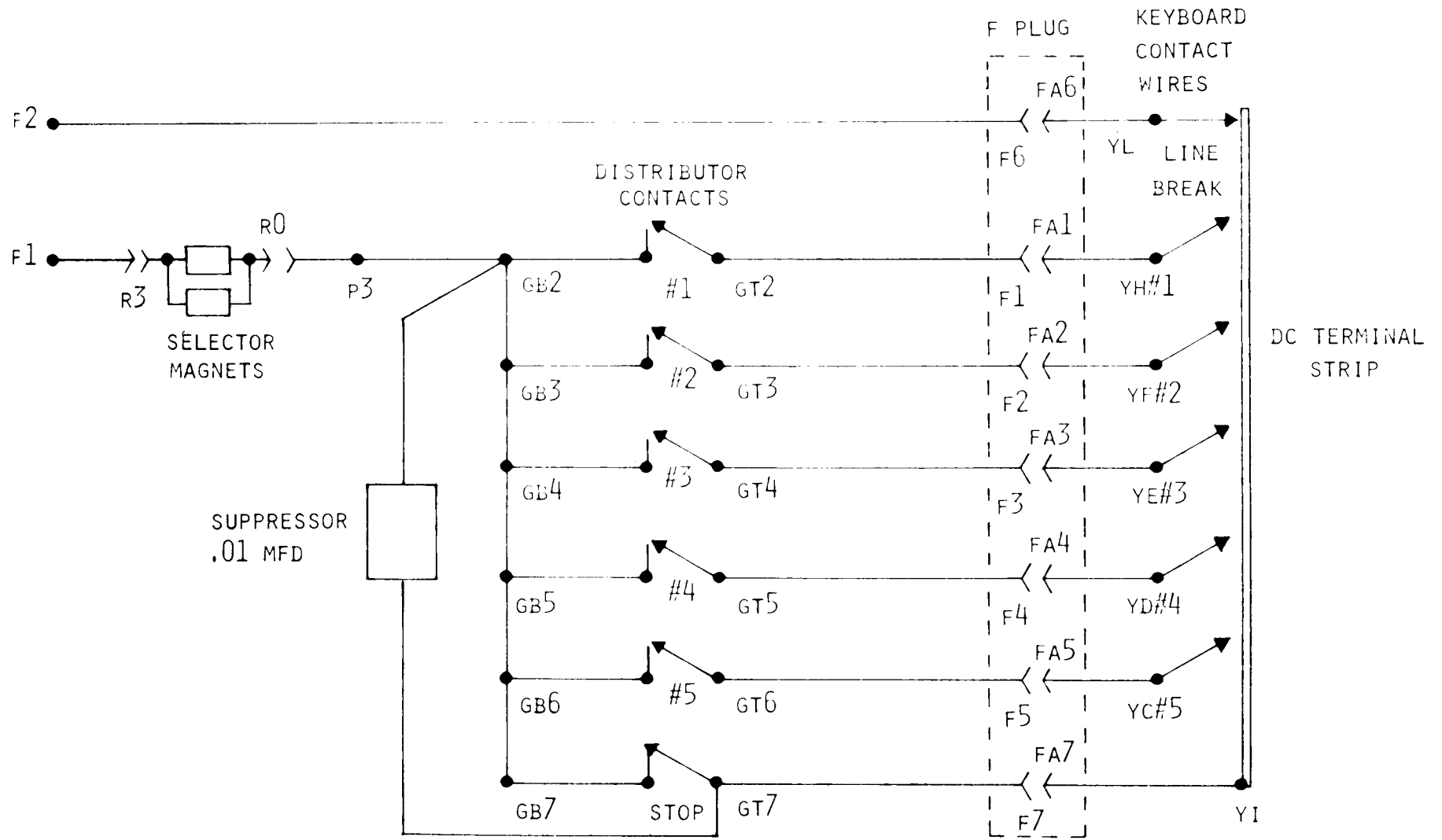
MOD 28 ASR-AN/UGC-20- DISTRIBUTOR MECHANISM (RIGHT SIDE VIEW)



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

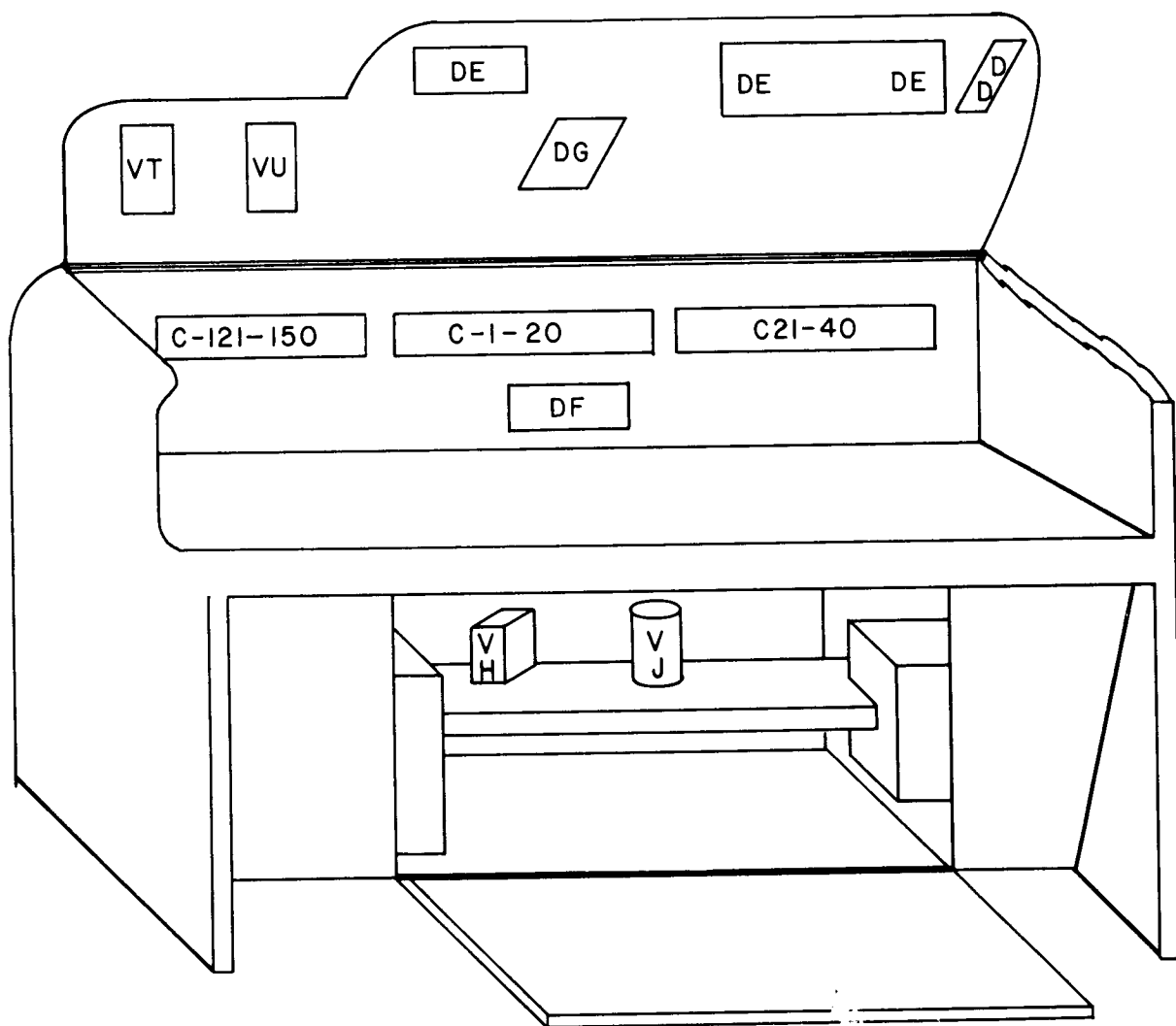


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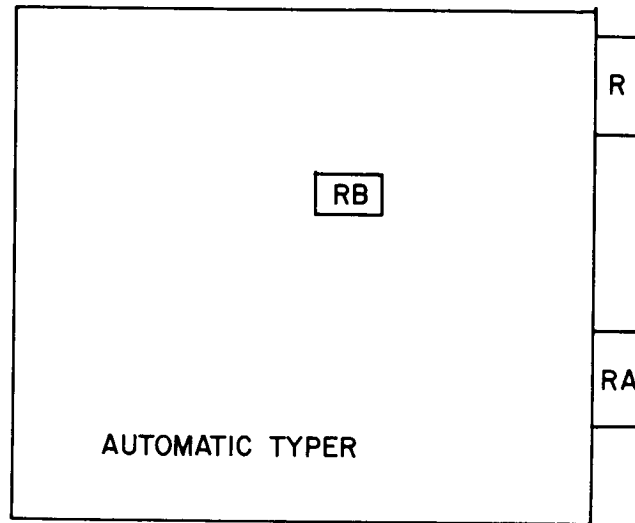
MOD 28 ASR-AN/UGC-20 DC CIRCUITS

- 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

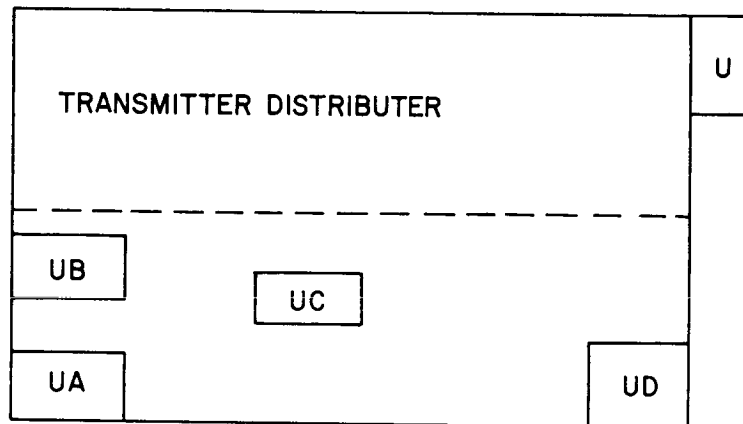


LOCATION OF ELECTRICAL COMPONENTS - CABINET

R AUTOMATIC TYPER CONNECTOR
 RA SELECTOR MAGNETS
 RB SIGNAL BELL CONTACTS



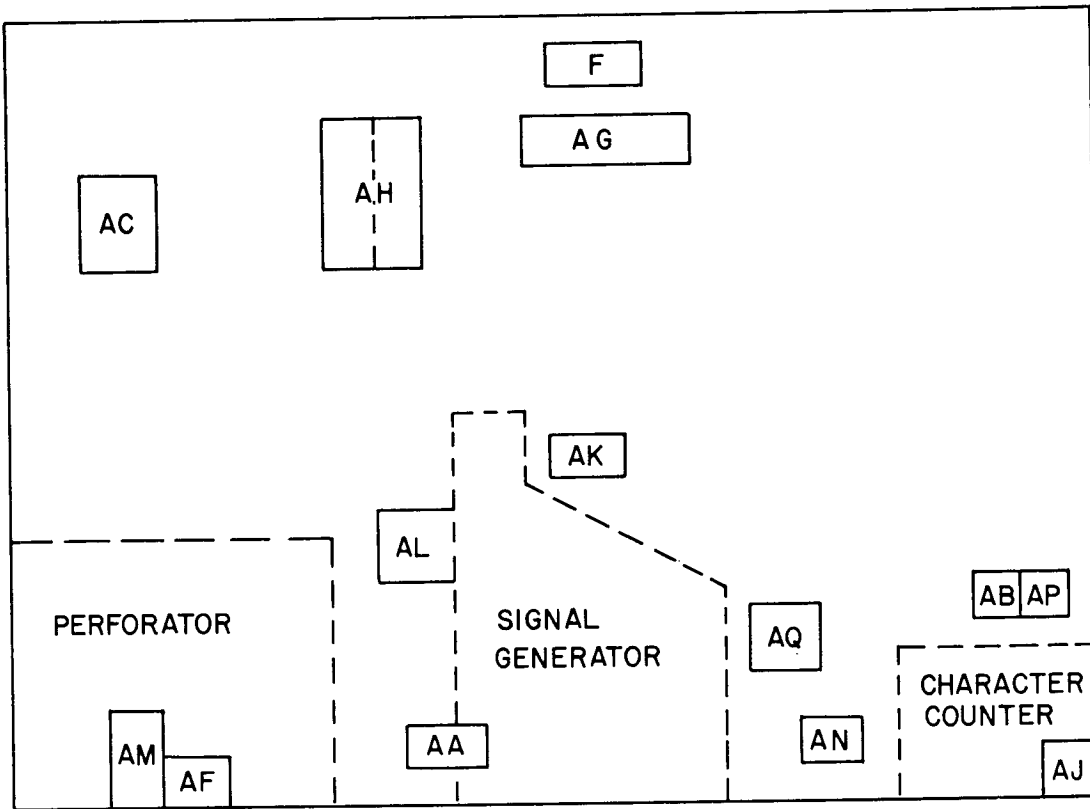
U TD BASE CONNECTOR
 UA TD SIGNAL GENERATOR CONTACTS
 UB TD CLUTCH MAGNETS
 UC START-STOP, TIGHT OR TANGLED TAPE CONTACT ASSEMBLY
 UD TAPE OUT CONTACT ASSEMBLY



LOCATION OF ELECTRICAL COMPONENTS - AUTOMATIC TYPER AND TRANSMITTER DISTRIBUTOR

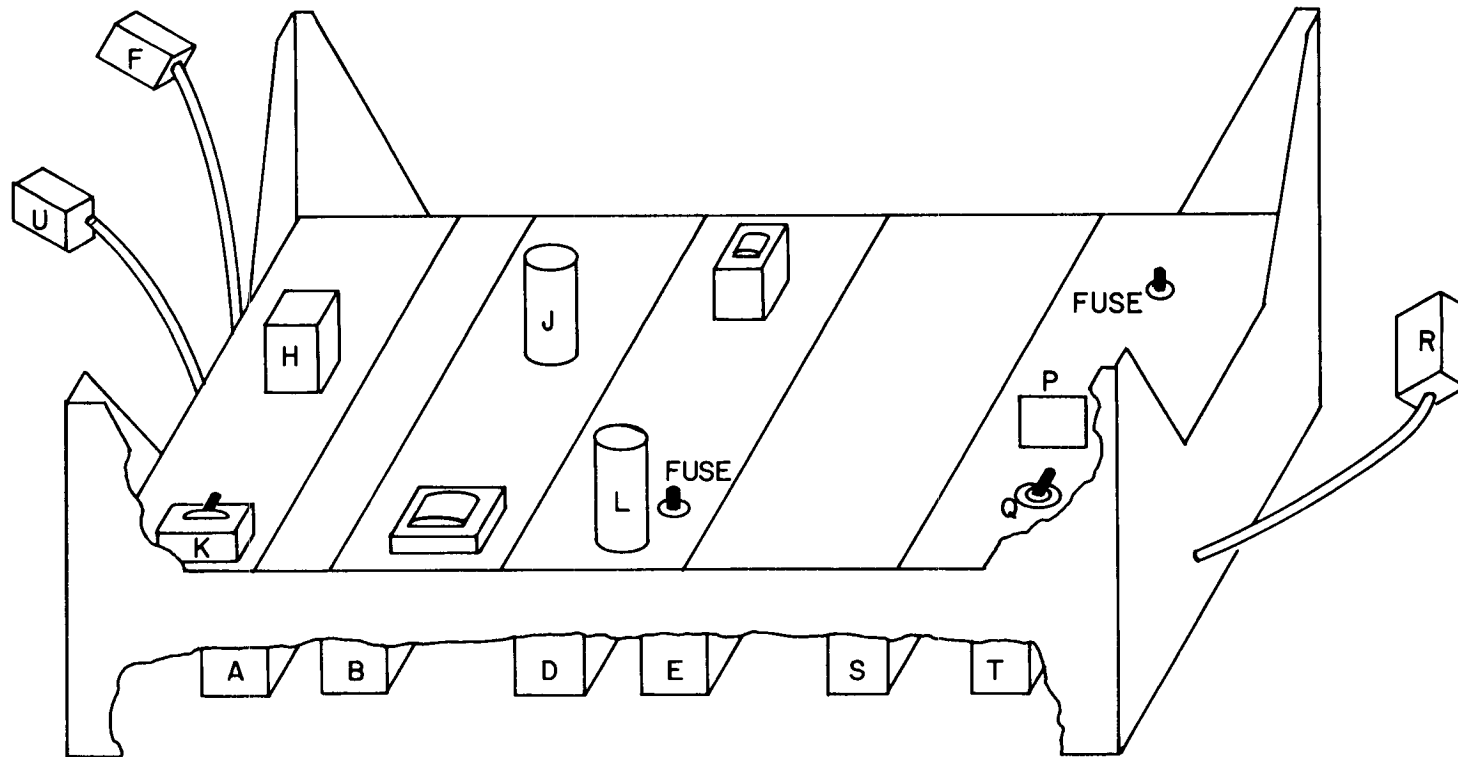
F KEYBOARD CONNECTOR
 AA SIGNAL GENERATOR CONTACTS
 AB LOCK BAR SWITCH
 AC AUXILIARY SWITCH
 AF END-OF-LINE/MARGIN INDICATOR SWITCH
 AG MOTOR TERMINAL BLOCK
 AH KEYBOARD TERMINAL BLOCK

AJ END-OF-LINE INDICATOR SWITCH
 AK SIGNAL LINE BREAK SWITCH
 AL MARGIN INDICATOR SWITCH
 AM BACK SPACE MAGNET (ON PERF)
 AN BACK SPACE SWITCH
 AP CLUTCH TRIP MAGNET
 AQ CLUTCH TRIP CONDITIONING SWITCH



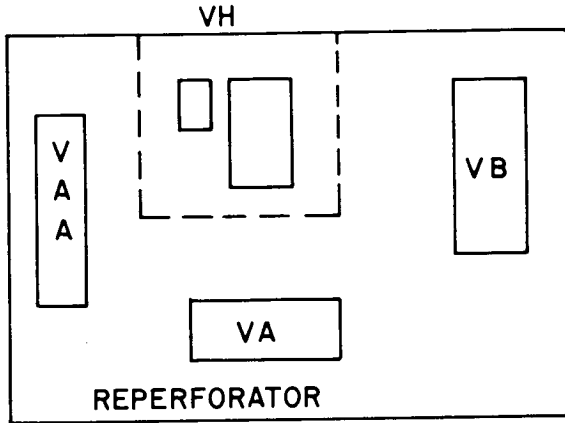
LOCATION OF ELECTRICAL COMPONENTS - KEYBOARD

- | | | | |
|---|--------------------------------|---|--------------------------------------|
| 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 | | |

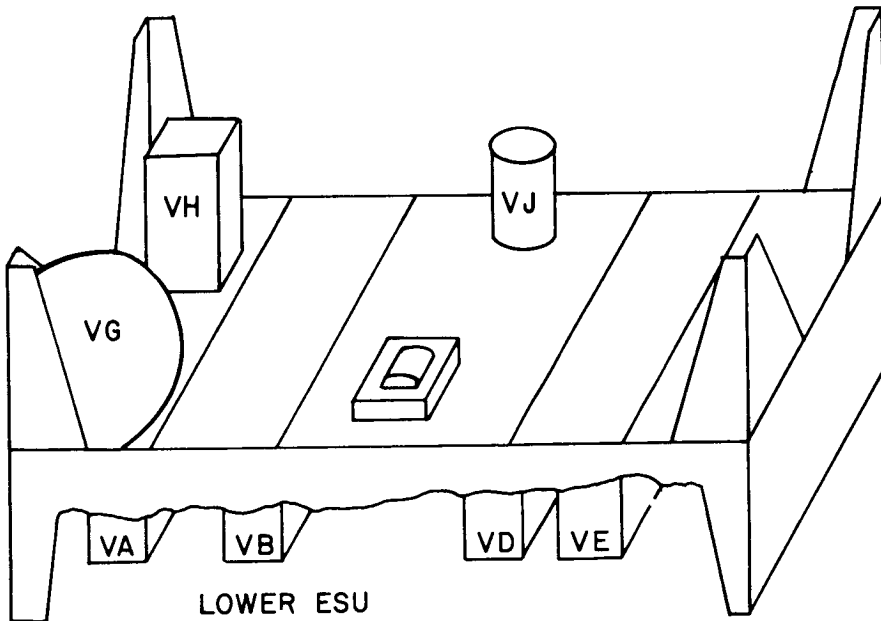


LOCATION OF ELECTRICAL COMPONENTS - UPPER ESU

- 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

