

28 PERFORATOR-TRANSMITTER BASE

LUBRICATION

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Character counter . . . . .	14-15	1. GENERAL	
Clutch tripbar link mechanism . . . . .	6	1.01 This section has been revised to include	
Clutch tripbar mechanism . . . . .	9	recent engineering changes and additions,	
Codebar and local line feed		and to rearrange the text so as to bring the sec-	
mechanism . . . . .	7	tion generally up-to-date. Since this is an ex-	
Codebar bail mechanism . . . . .	13	tensive revision, marginal arrows ordinarily	
Codebar extension bail mechanism . .	6	used to indicate changes have been omitted.	
Codebar extension mechanism . . . . .	6	1.02 The 28 Perforator-Transmitter Base	
Codebar guide . . . . .	17	should be lubricated as directed in this	
Codebar mechanism . . . . .	7	section. The figures indicate points to be lu-	
Codelever mechanism . . . . .	4	bricated and the kind and quantity of lubricant	
Codelever universal bail mechanism .	7	to be used. Lubricate the keyboard just prior to	
Contact box . . . . .	9	placing it in service. After a few weeks in serv-	
Contact swinger . . . . .	17	ice, relubricate to make certain that all points	
Detent lever mechanism . . . . .	5	receive lubrication. The following lubrication	
Electrical line break mechanism . . .	15	schedule should be followed thereafter:	
Extension basket mechanism . . . . .	5		
Intermediate gear mechanism . . . . .	11	OPERATING SPEEDS	LUBRICATION
Keyboard . . . . .	3	IN WORDS PER MINUTE	INTERVAL
Keyboard clutch mechanism . . . . .	10	60	3000 hr or 1 yr*
Keyboard lock mechanism . . . . .	4	75	2400 hr or 9 mo*
Keyboard mechanism . . . . .	11	100	1500 hr or 6 mo*
Keyboard shaft mechanism . . . . .	3	150	1000 hr or 6 mo*
Local carriage return mechanism . . .	8		
Local line feed mechanism . . . . .	11		
Local paper feed-out mechanism . . .	15		

\*Whichever occurs first.

SECTION 573-117-701

1.03 Use TP88970 oil at all locations where the use of oil is indicated. Use TP88973 grease on all surfaces where grease is indicated.

1.04 All spring wicks and felt oilers should be saturated. The friction surfaces of all moving parts should be thoroughly lubricated. Over-lubrication, however, which will permit oil or grease to drip or be thrown on other parts, should be avoided. Special care must be taken to prevent any oil or grease from getting between electrical contacts.

1.05 Apply a thick film of grease to all gears.

1.06 Apply oil to all cams, including the camming surfaces of each clutch disc.

1.07 The photographs show the paragraph numbers referring to particular line drawings of mechanisms and where these mechanisms are located on the unit. Parts in the line drawings are shown in an upright position unless otherwise specified.

1.08 The illustration symbols indicate the following lubrication directions:

- O Apply 1 drop of oil.
- O2 Apply 2 drops of oil.
- O3 Apply 3 drops of oil.
- O20 Apply 20 drops of oil, etc.
- G Apply thin film of grease.
- SAT Saturate (felt oilers, washers, wicks) with oil.

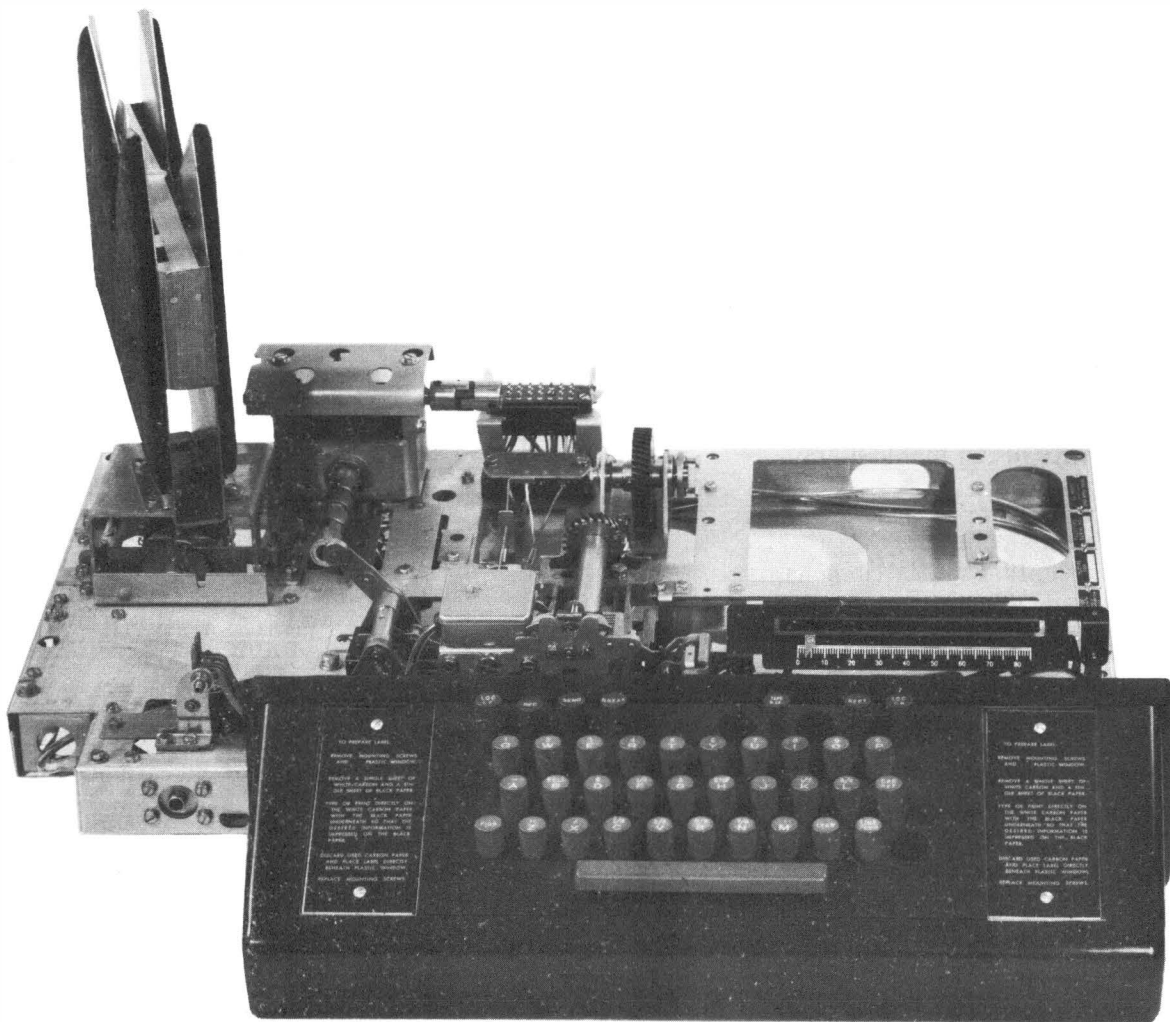
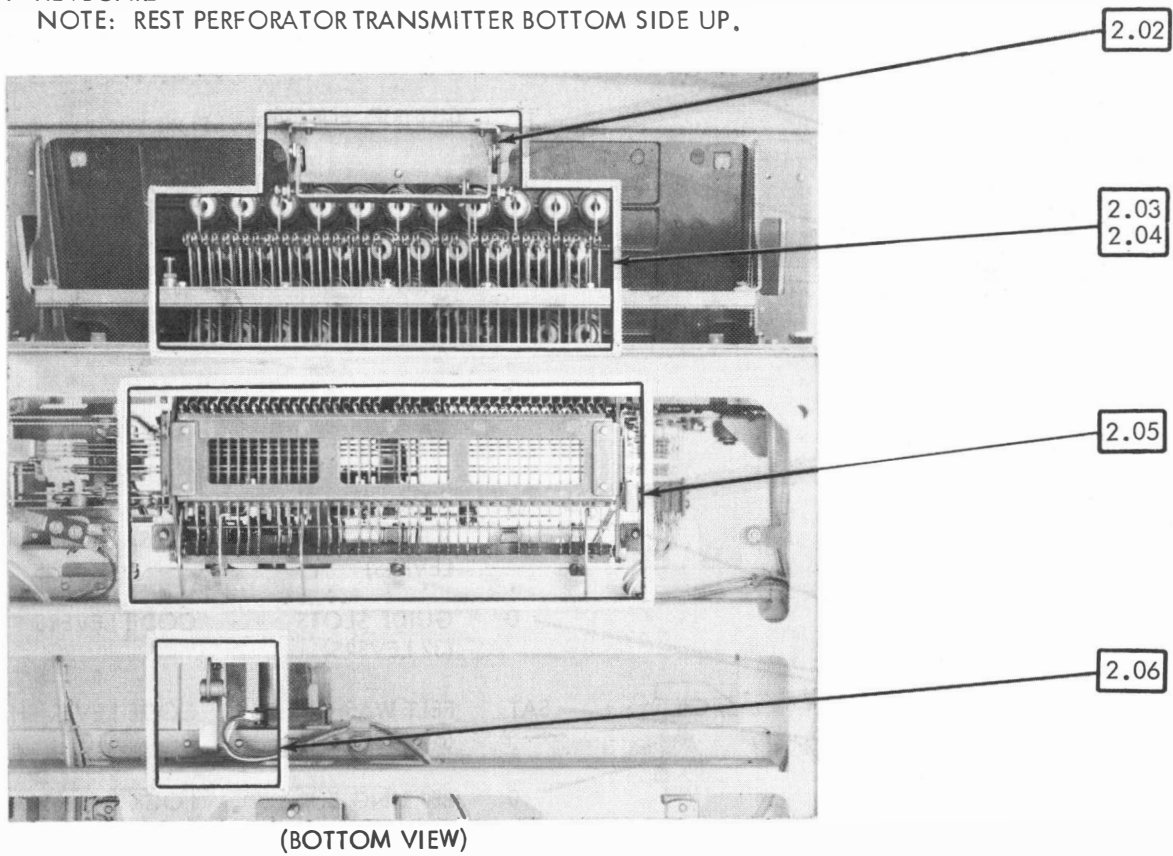


Figure 1 - 28 Perforator-Transmitter Base

2. LUBRICATION

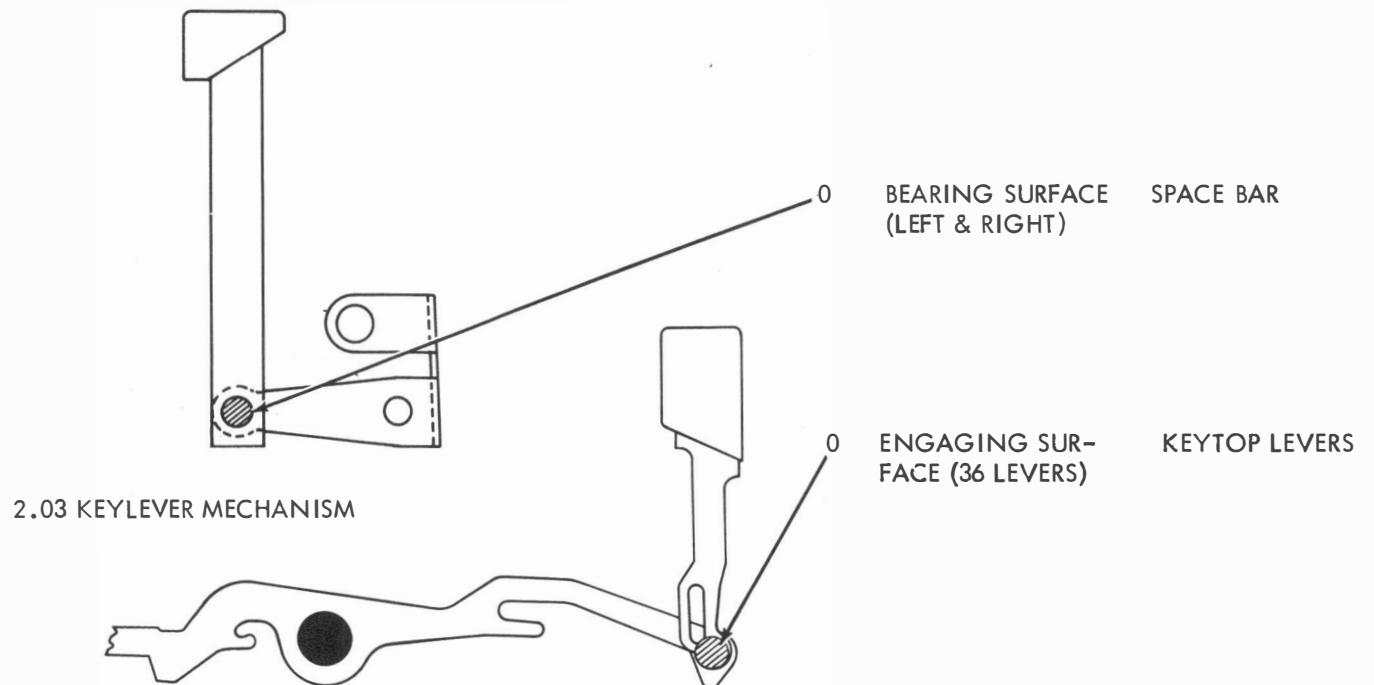
2.01 KEYBOARD

NOTE: REST PERFORATOR TRANSMITTER BOTTOM SIDE UP.



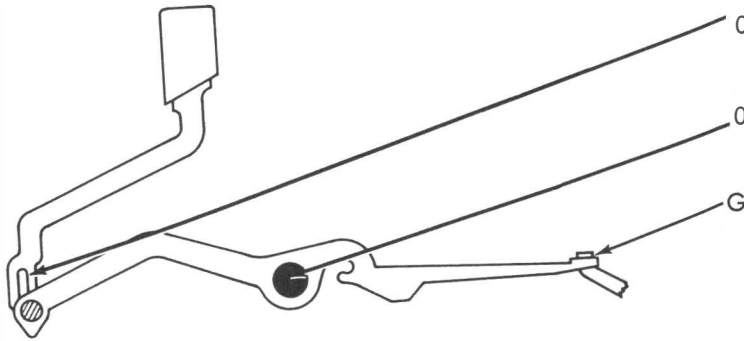
(BOTTOM VIEW)

2.02 SPACE BAR MECHANISM



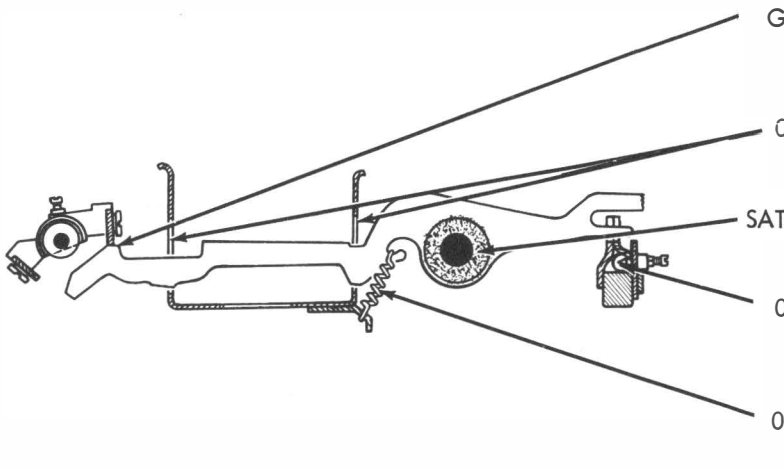
2.03 KEYLEVER MECHANISM

2.04 BREAK LEVER MECHANISM



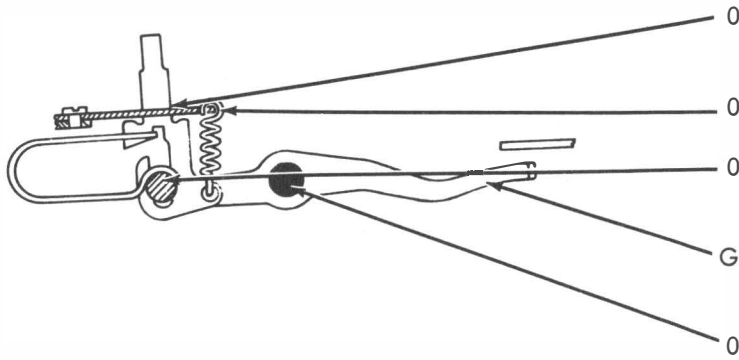
- 0 ENGAGING SURFACE BREAK KEYLEVER
- 0 BEARING SURFACE FUNCTION LEVER
- G CONTACT SURFACE BREAK LEVER

2.05 CODE LEVER MECHANISM



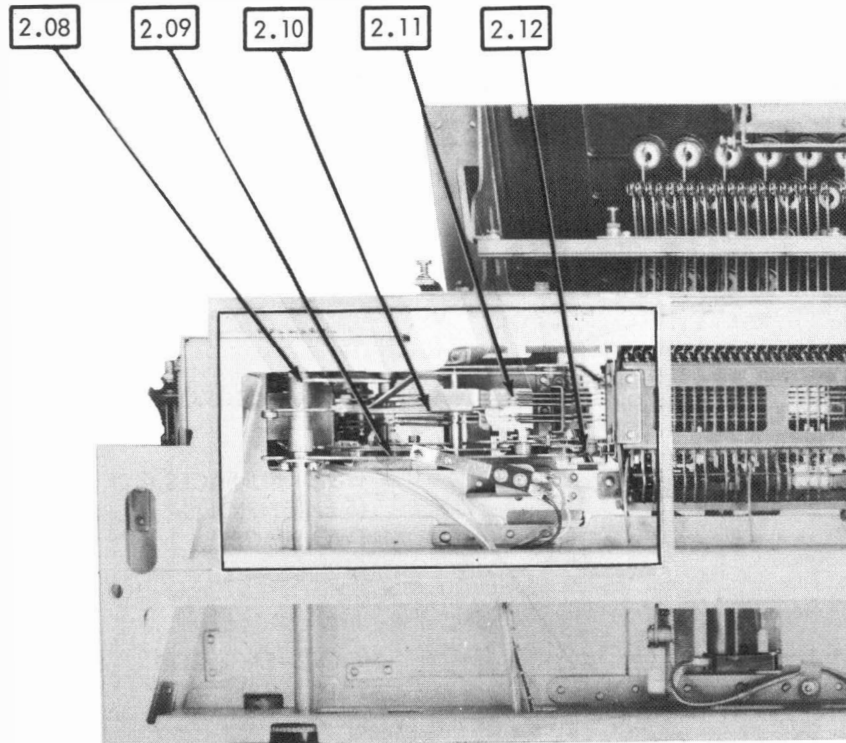
- G CONTACTING SURFACE (32 LEVERS) CODE LEVER UNIVERSAL BAIL
- 0 GUIDE SLOTS (32 LEVERS) CODE LEVERS
- SAT FELT WASHERS (6 WASHERS) CODE LEVER SHAFT
- 0 BEARING SURFACES (32 WEDGES) LOCK BALL TRACK
- 0 HOOKS-EACH END (40 SPRINGS) SPRING

2.06 KEYBOARD LOCK MECHANISM



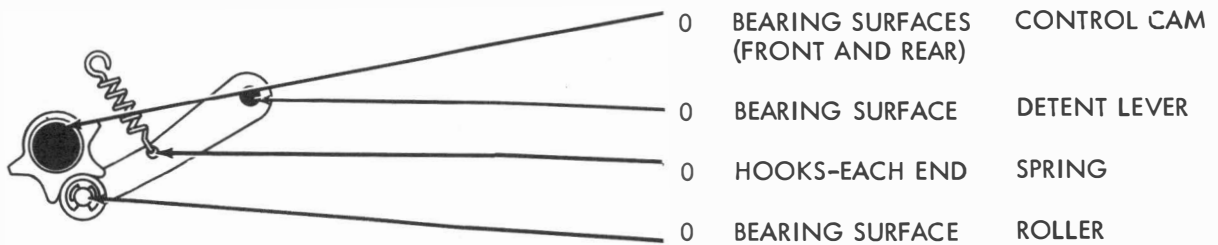
- 0 GUIDE SLOT KEYBOARD LOCK PLUNGER
- 0 HOOKS-EACH END SPRING
- 0 BEARING SURFACE KEYBOARD LOCK LEVER
- G ENGAGING SURFACE KEYBOARD LOCK FUNCTION LEVER
- 0 BEARING SURFACE FUNCTION BAIL

2.07 EXTENSION BASKET MECHANISM  
 NOTE: REST PERFORATOR TRANSMITTER BOTTOM SIDE UP.

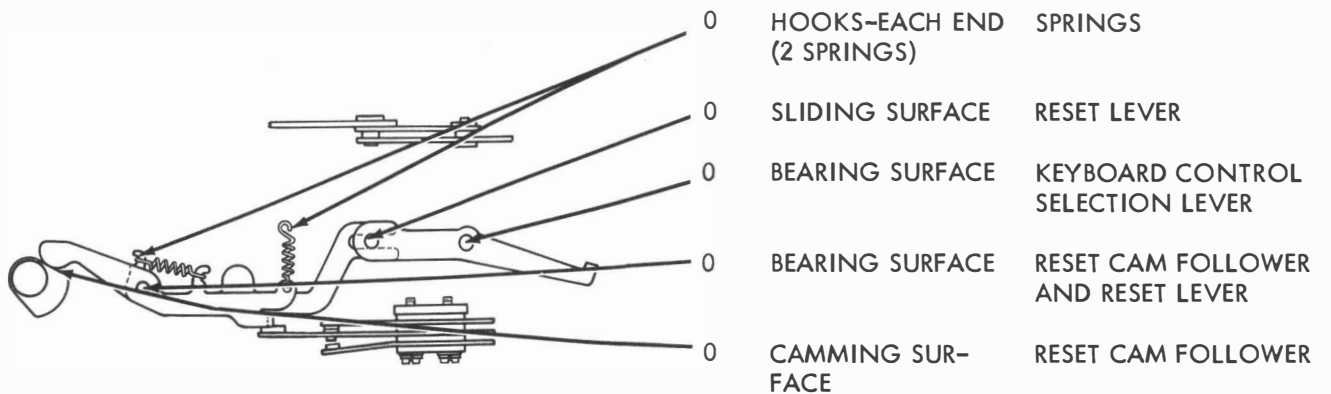


(BOTTOM VIEW)

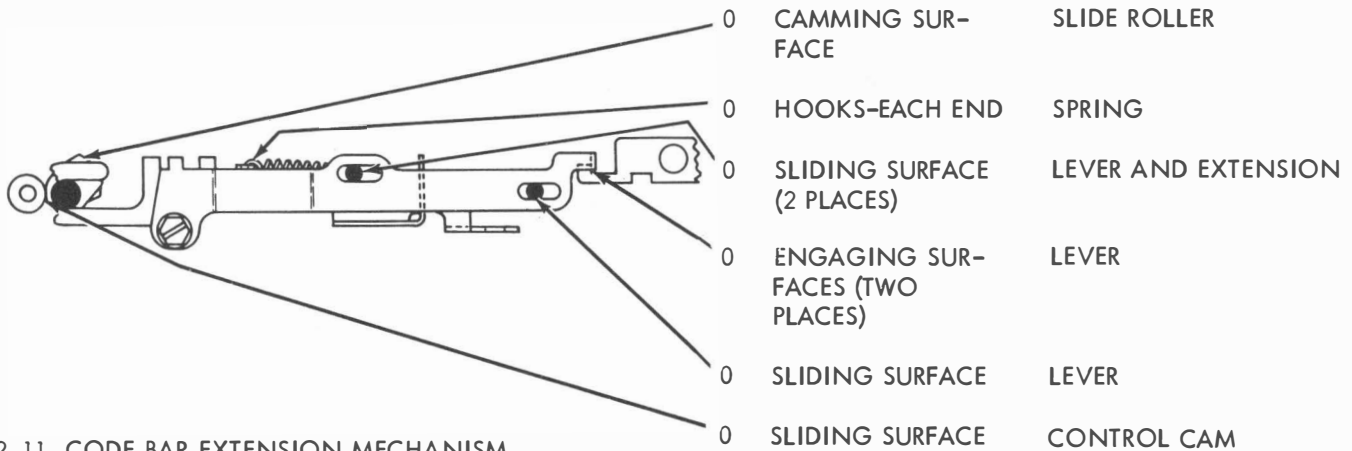
2.08 DETENT LEVER MECHANISM



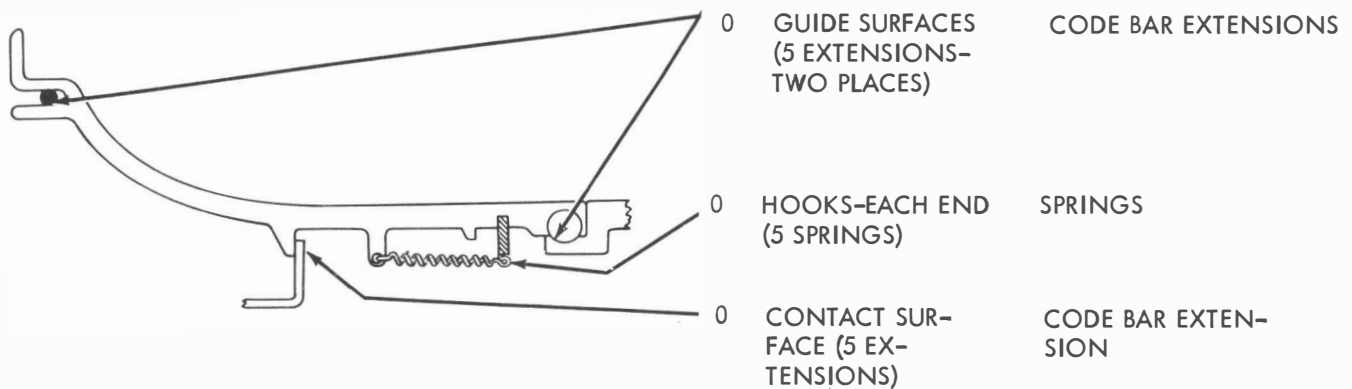
2.09 SELECTOR LEVER MECHANISM



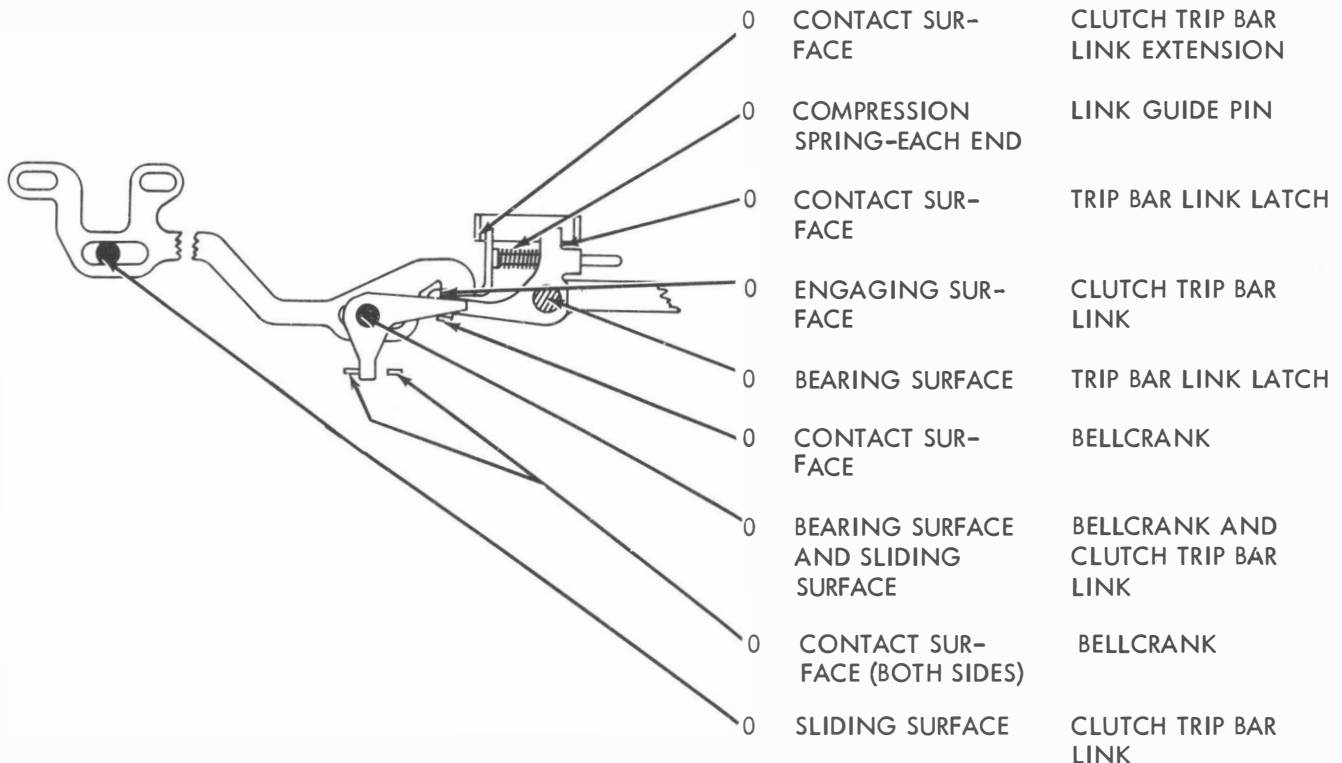
2.10 CODE BAR EXTENSION BAIL MECHANISM



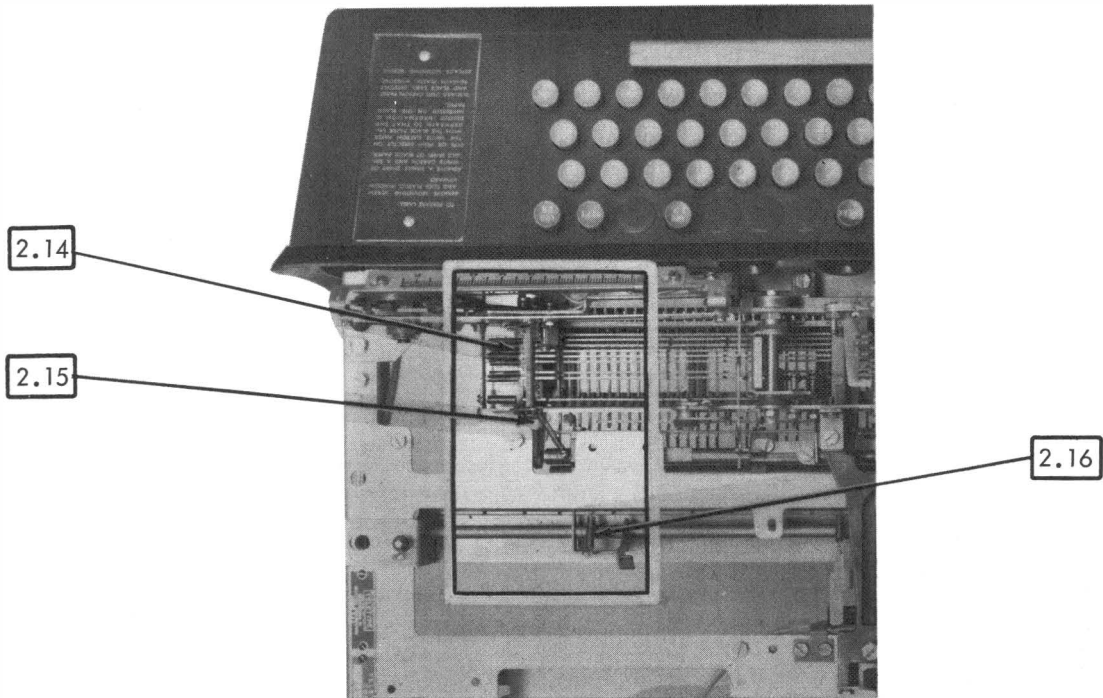
2.11 CODE BAR EXTENSION MECHANISM



2.12 CLUTCH TRIP BAR LINK MECHANISM

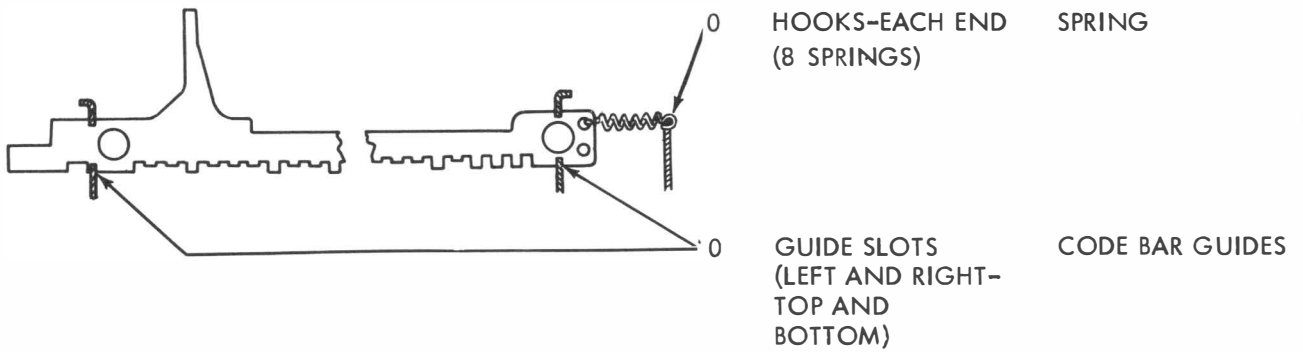


2.13 CODE BAR AND LOCAL LINE FEED MECHANISM  
 NOTE: REST PERFORATOR IN UPRIGHT POSITION.

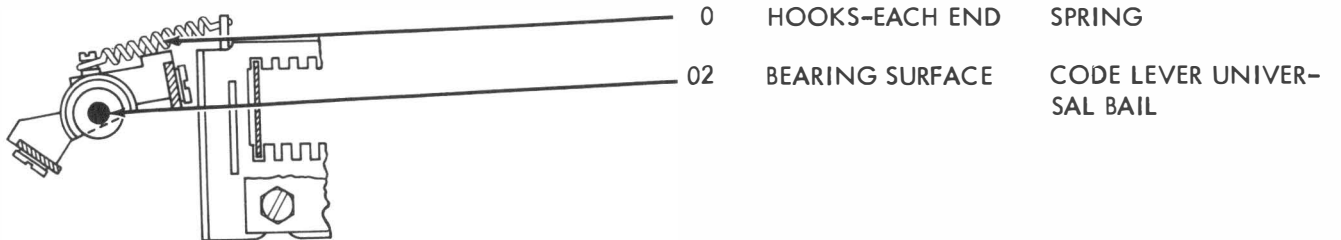


(TOP VIEW)

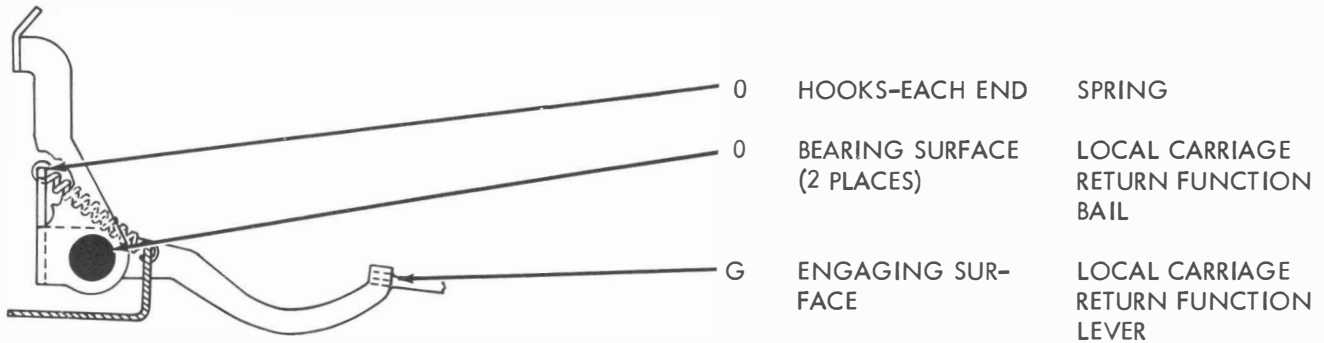
2.14 CODE BAR MECHANISM



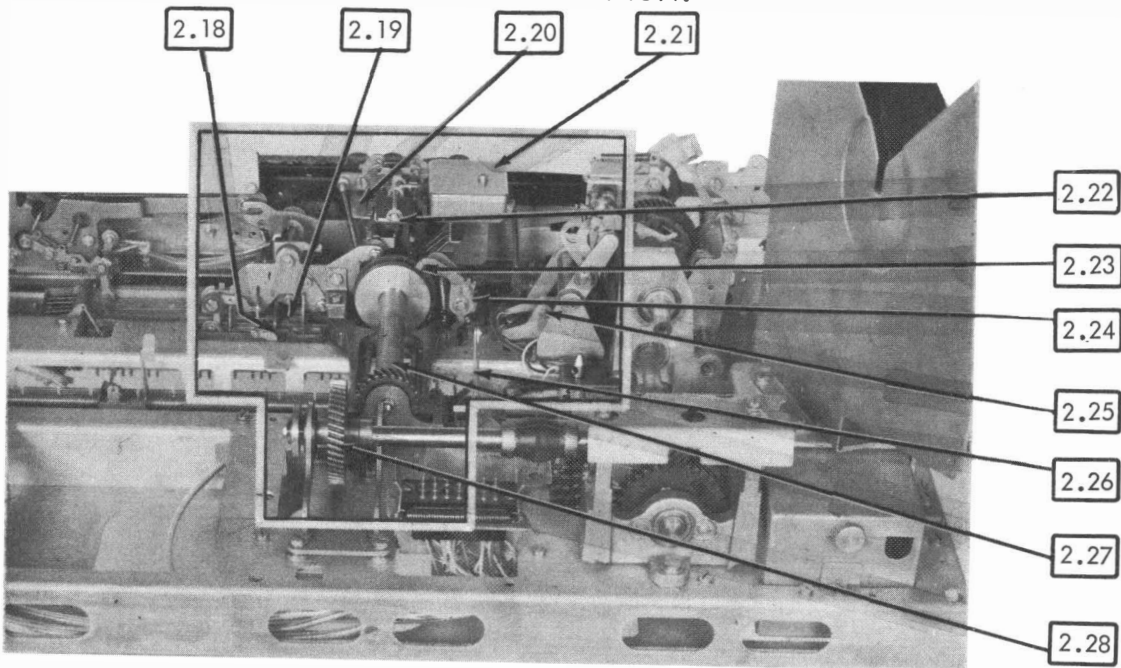
2.15 CODE LEVER UNIVERSAL BAIL MECHANISM



2.16 LOCAL CARRIAGE RETURN MECHANISM

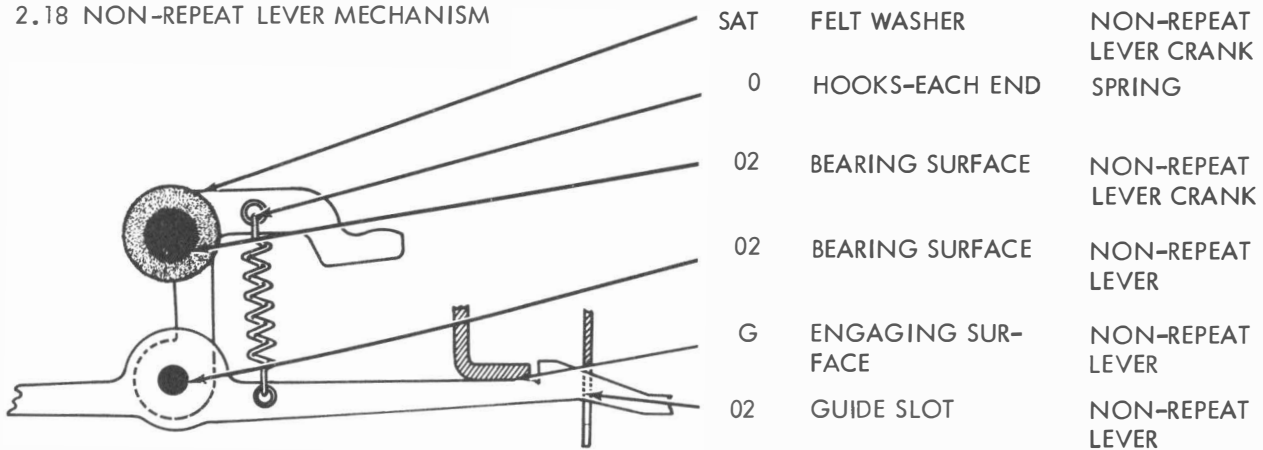


2.17 SIGNAL GENERATOR MECHANISM  
NOTE: REST PERFORATOR IN UPRIGHT POSITION.



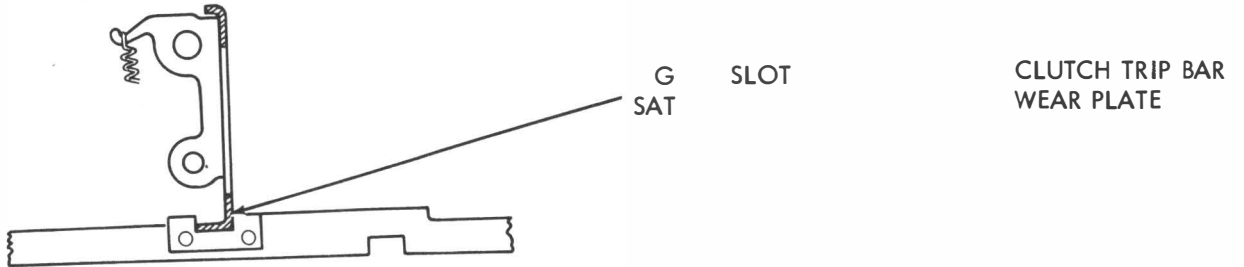
(REAR VIEW)

2.18 NON-REPEAT LEVER MECHANISM

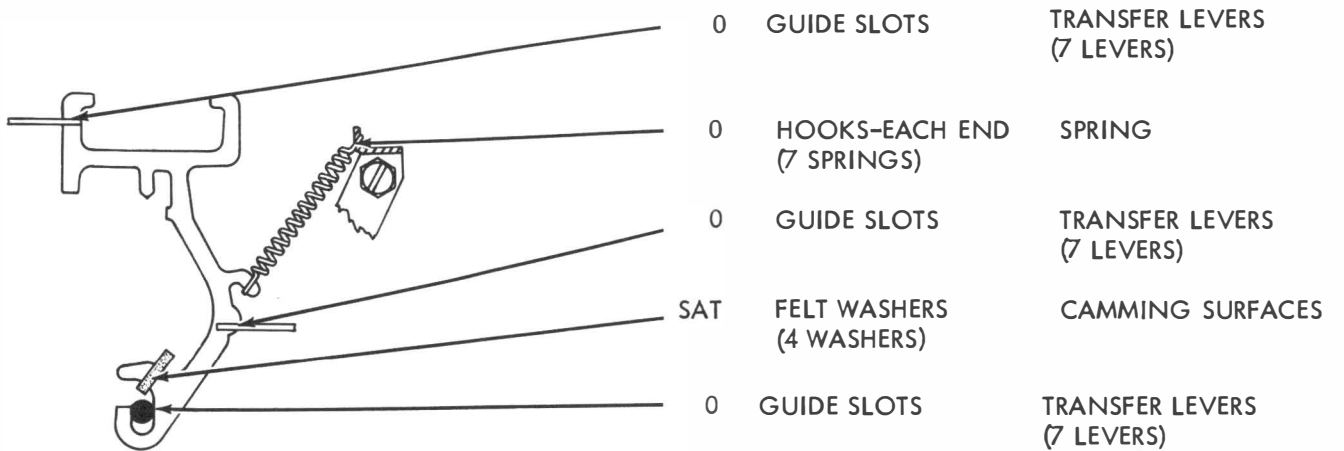




2.19 CLUTCH TRIP BAR MECHANISM

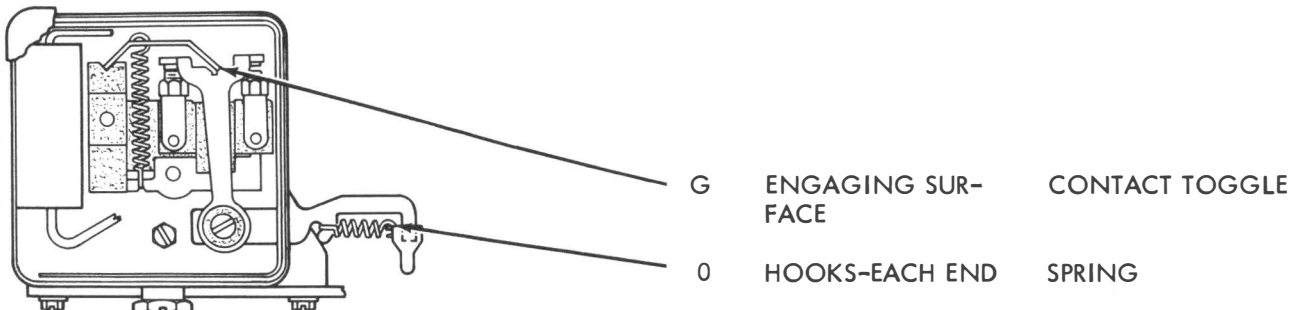


2.20 TRANSFER LEVER MECHANISM

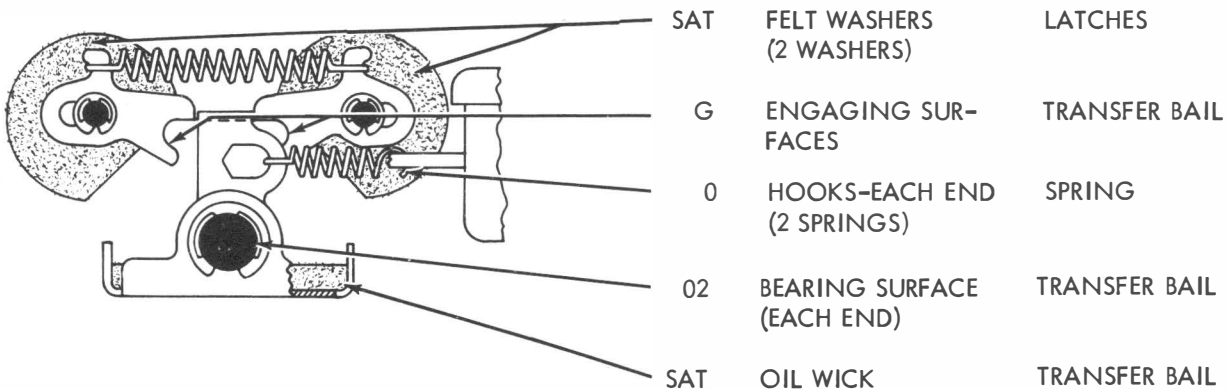


2.21 CONTACT BOX

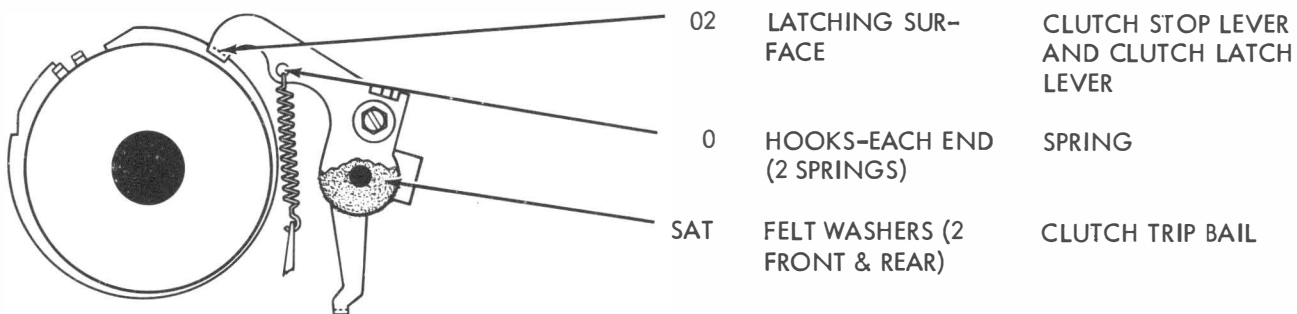
DISASSEMBLY: REMOVE NUT AND LOCK WASH-  
 ER SECURING CONTACT BOX  
 COVER AND REMOVE COVER.



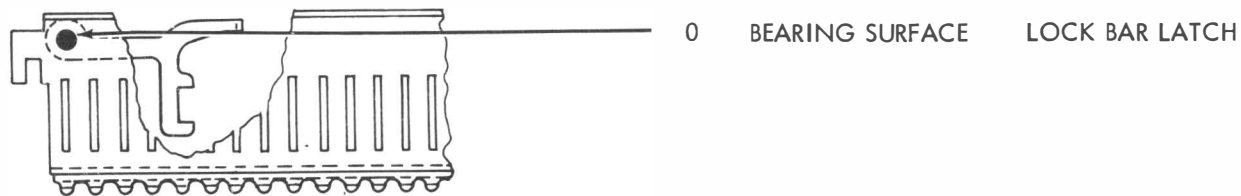
2.22 TRANSFER BAIL MECHANISM



2.23 KEYBOARD CLUTCH MECHANISM



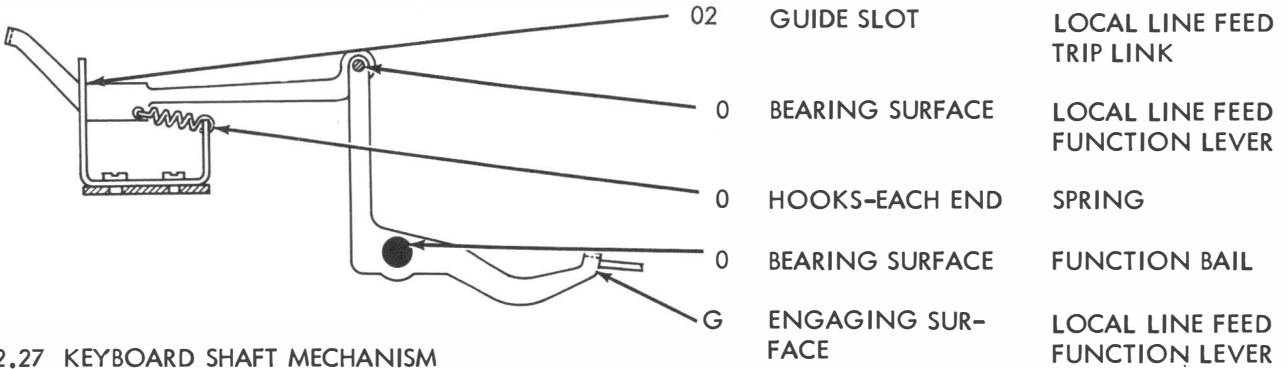
2.24 LOCK BAR LATCH MECHANISM



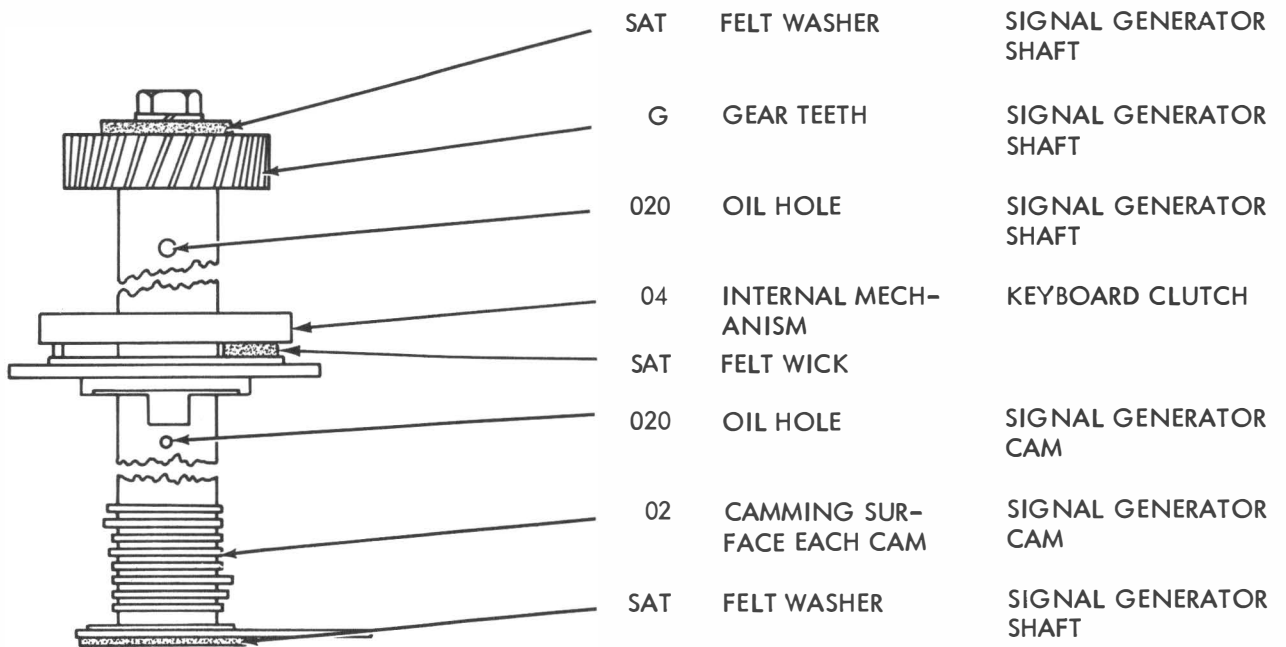
2.25 MARGIN INDICATING MECHANISM



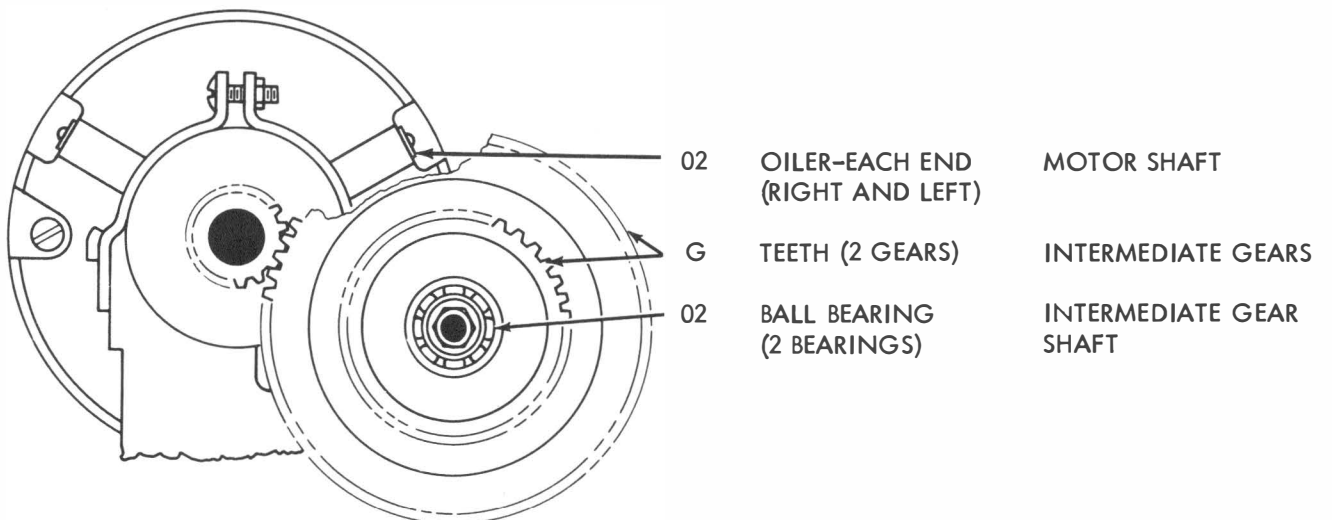
2.26 LOCAL LINE FEED MECHANISM



2.27 KEYBOARD SHAFT MECHANISM

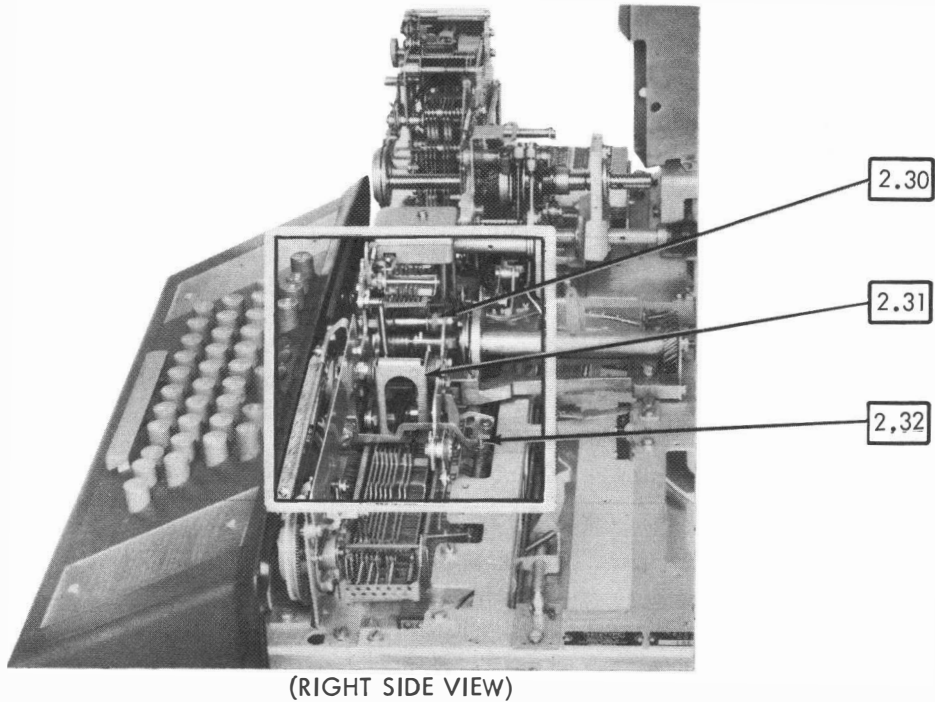


2.28 INTERMEDIATE GEAR MECHANISM



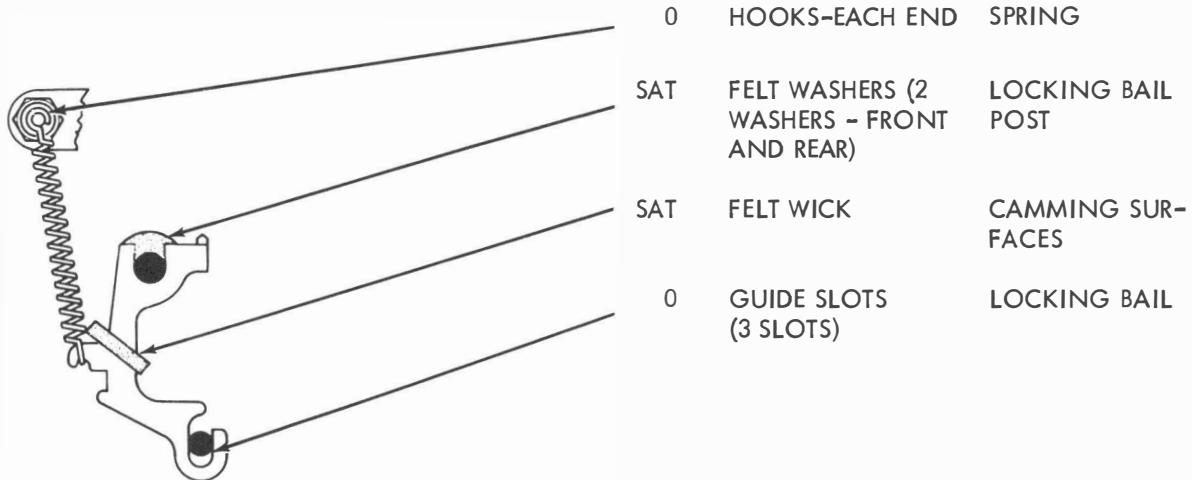
2.29 SIGNAL GENERATOR MECHANISM *continued*

NOTE: REST PERFORATOR TRANSMITTER IN UPRIGHT POSITION.

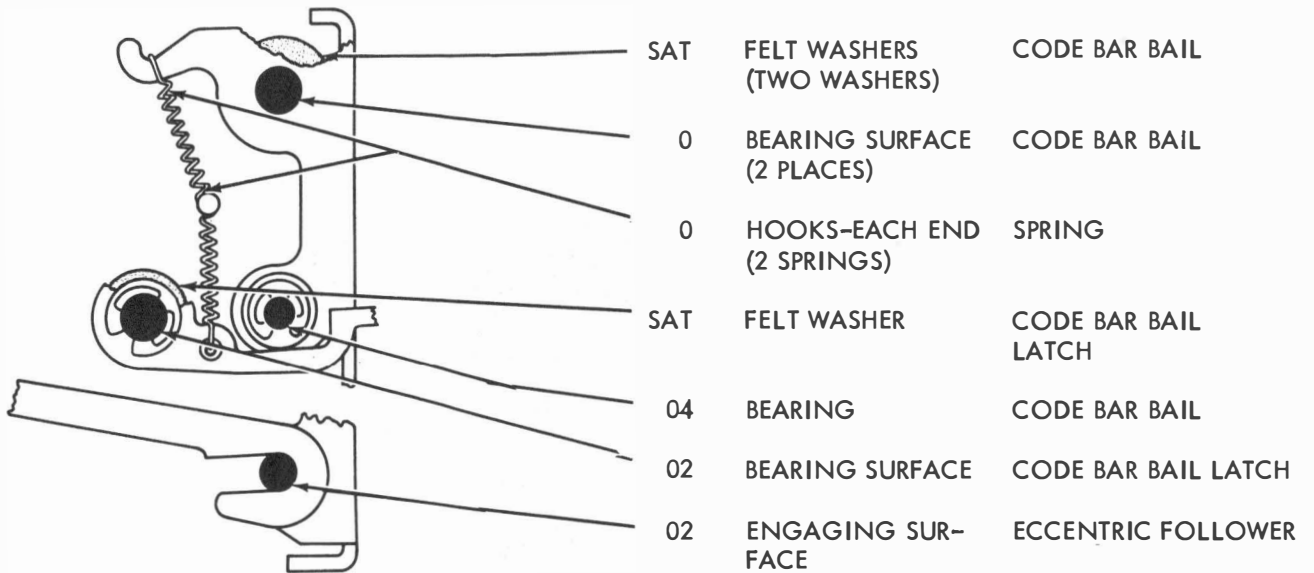


(RIGHT SIDE VIEW)

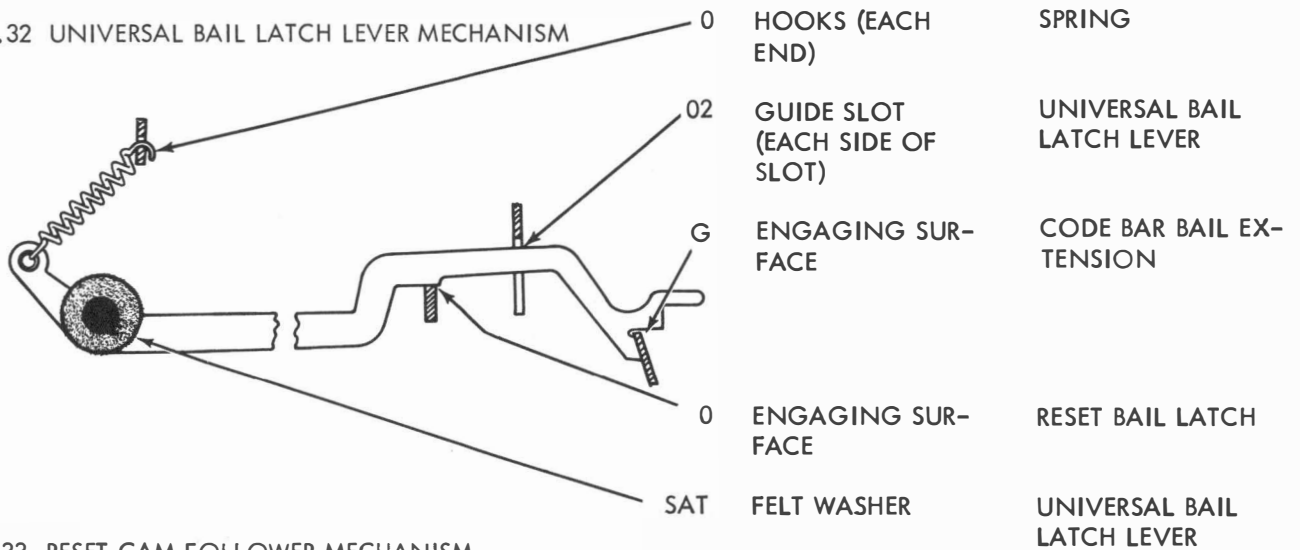
2.30 LOCKING BAIL MECHANISM



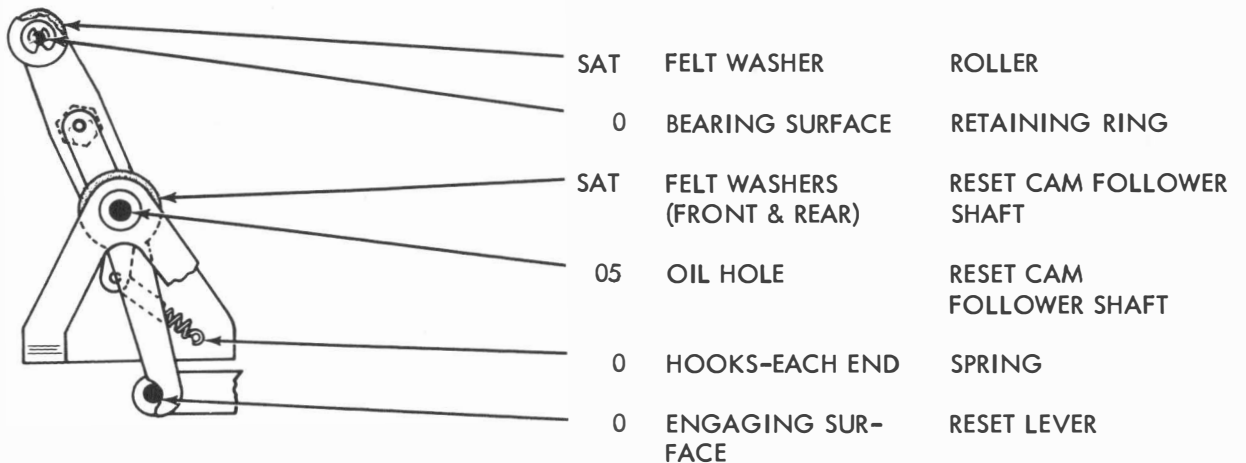
2.31 CODE BAR BAIL MECHANISM



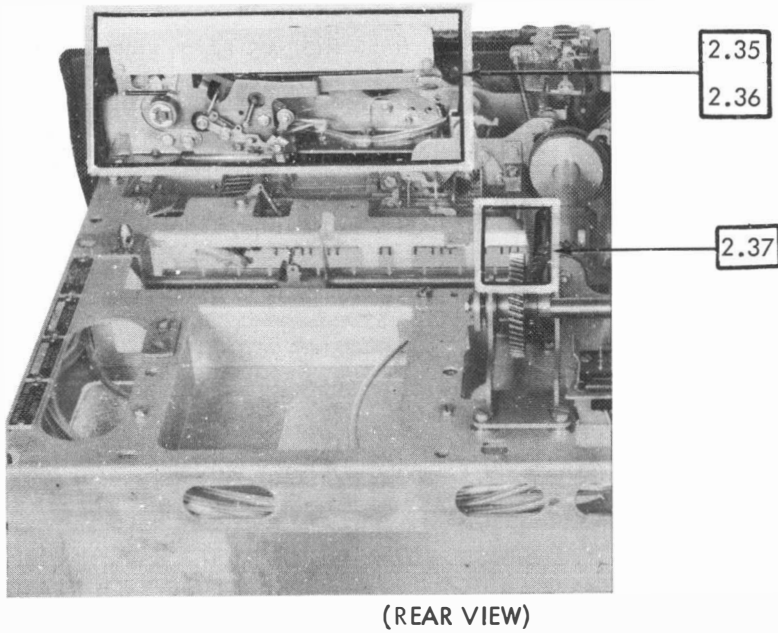
2.32 UNIVERSAL BAIL LATCH LEVER MECHANISM



2.33 RESET CAM FOLLOWER MECHANISM

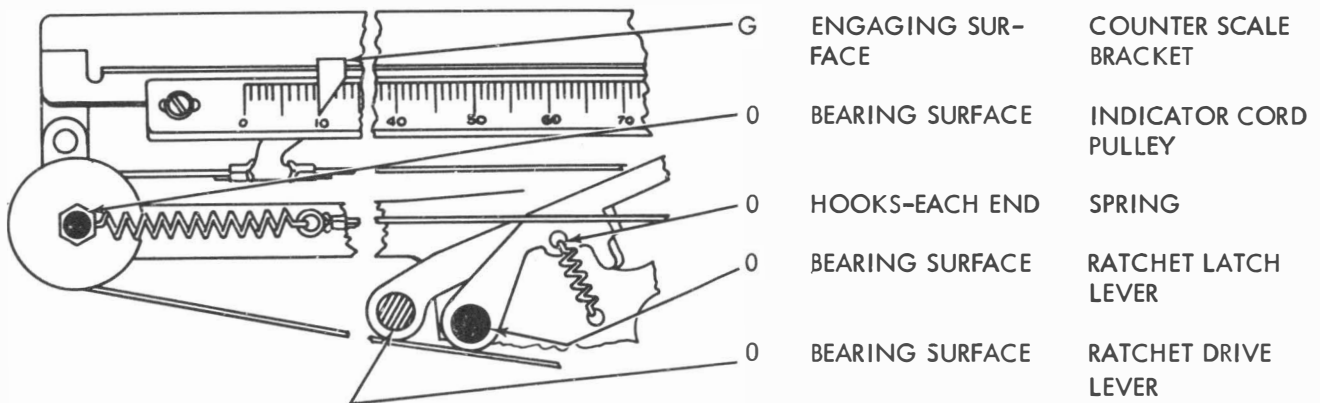


2.34 CHARACTER COUNTER AND ELECTRICAL LINE BREAK MECHANISMS  
 NOTE: REST PERFORATOR TRANSMITTER IN UPRIGHT POSITION

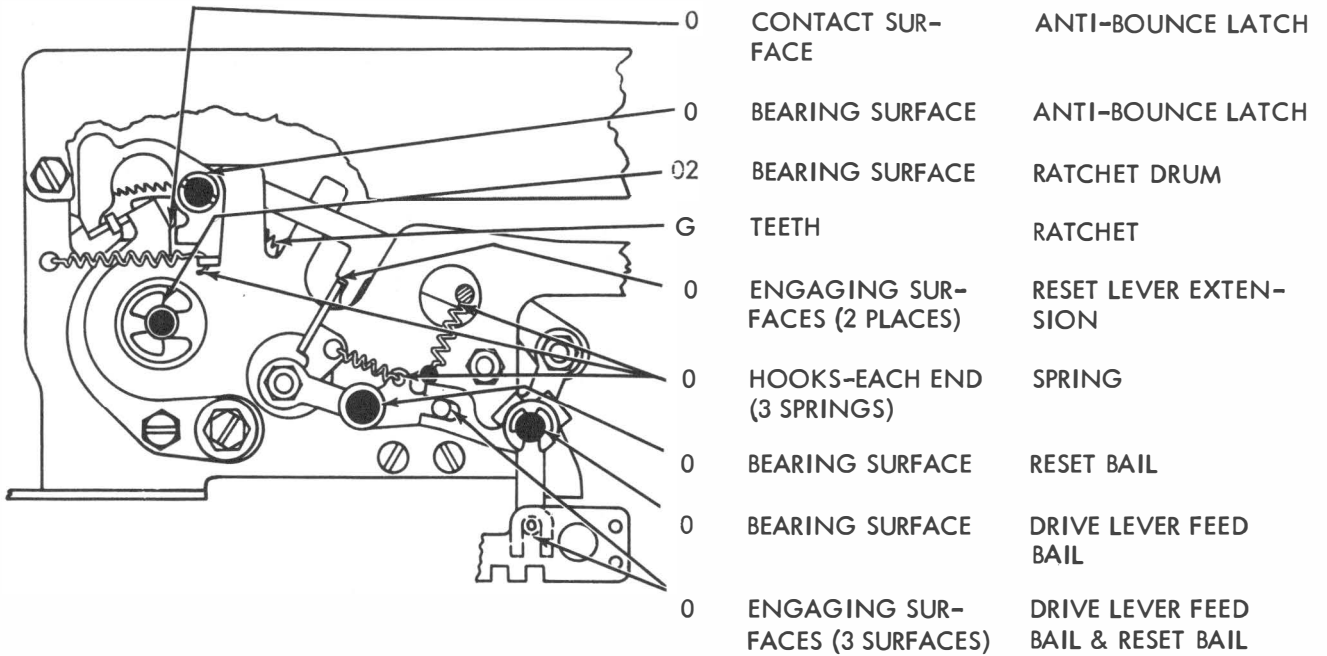


(REAR VIEW)

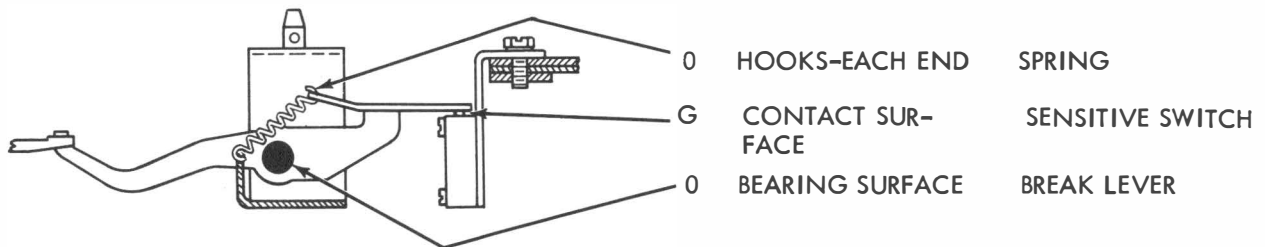
2.35 CHARACTER COUNTER MECHANISM continued



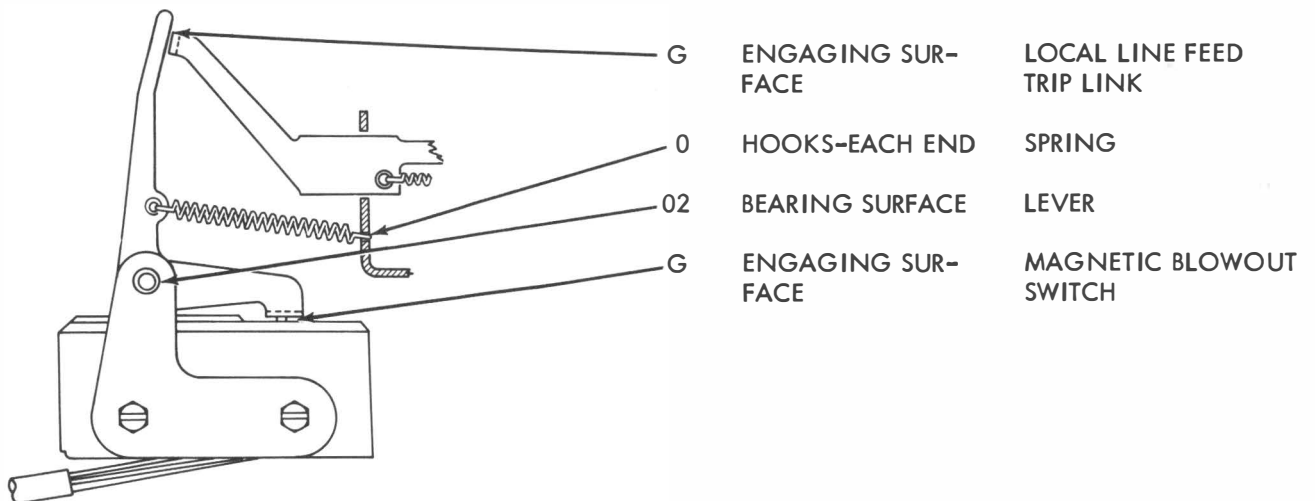
2.36 CHARACTER COUNTER MECHANISM continued



2.37 ELECTRICAL LINE BREAK MECHANISM

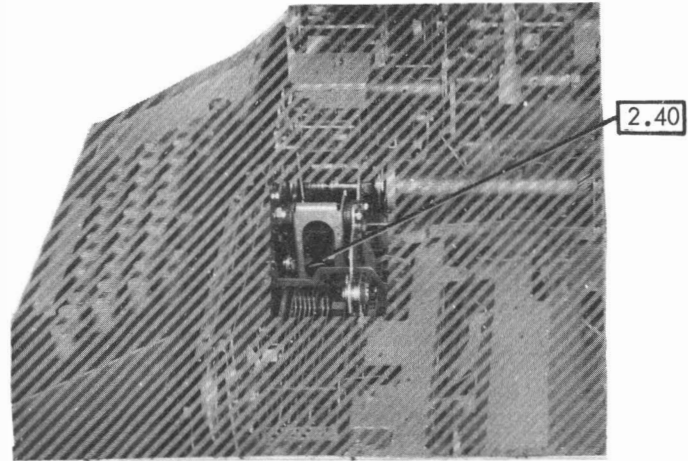


2.38 LOCAL PAPER FEED-OUT MECHANISM

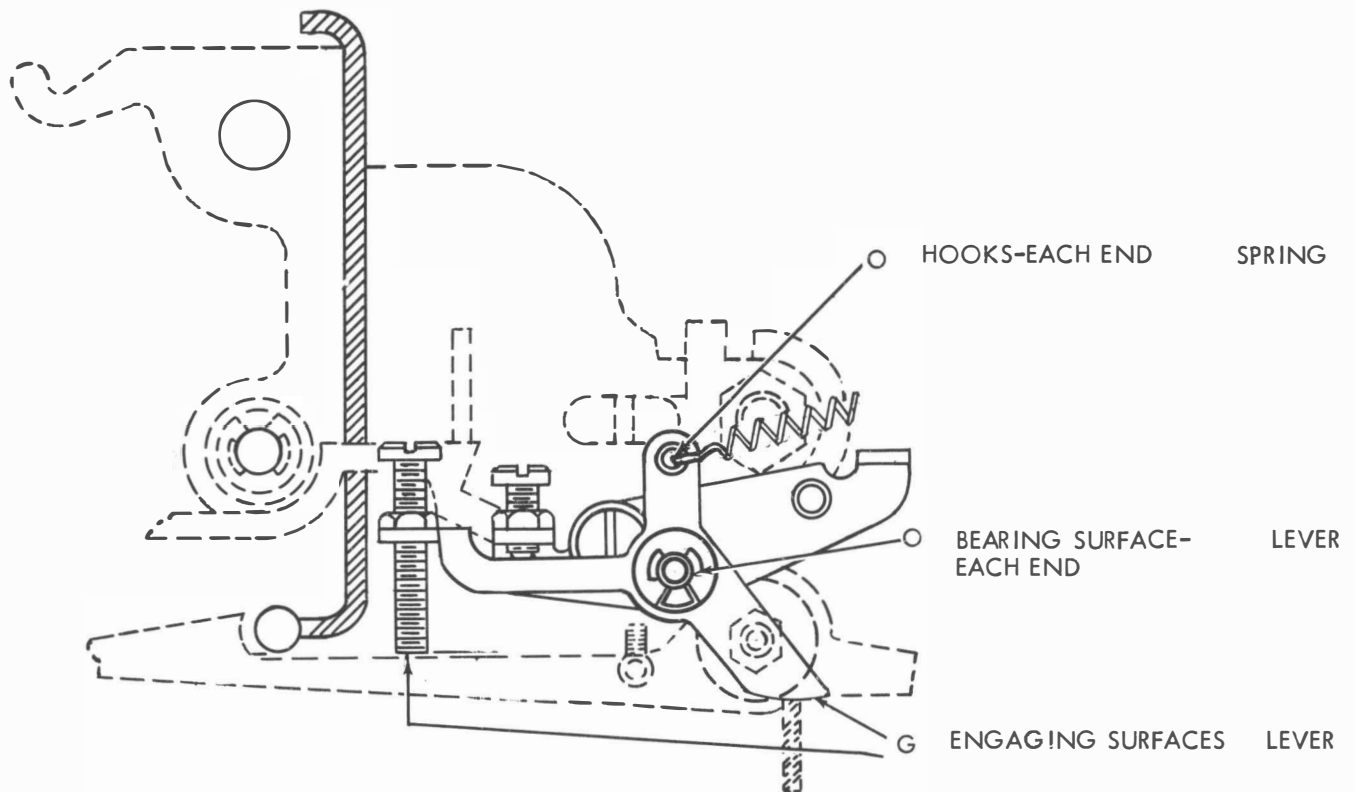


2.39 REPEAT-ON-SPACE MECHANISM

NOTE:  
REST PERFORATOR TRANSMITTER IN  
UPRIGHT POSITION.

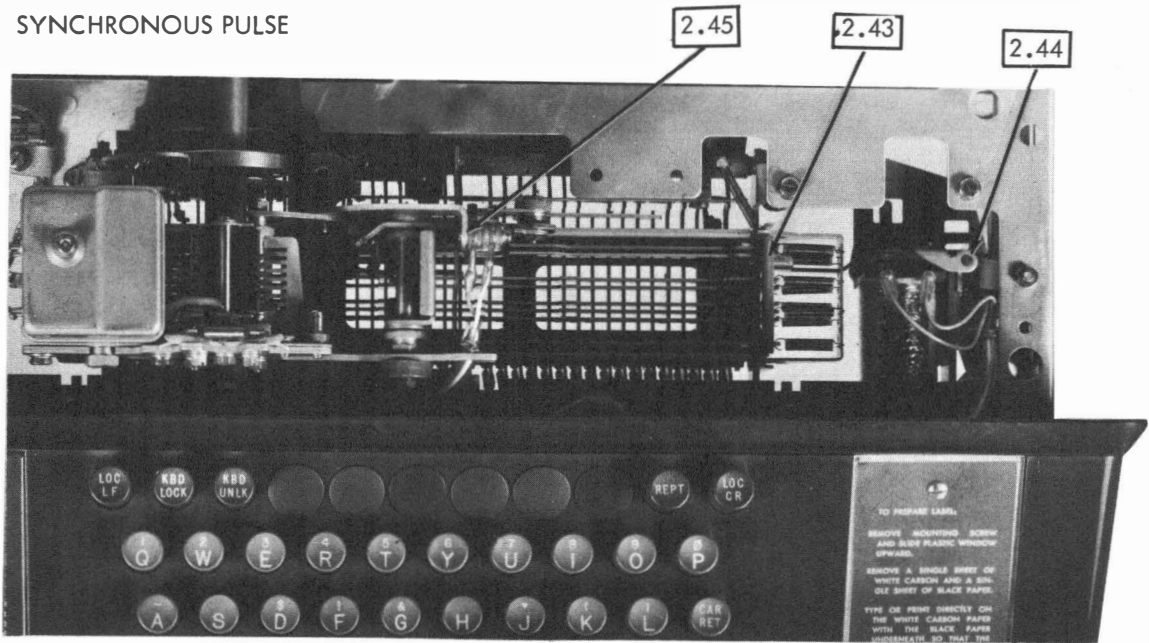


2.40 REPEAT-ON-SPACE



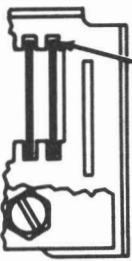


2.41 SYNCHRONOUS PULSE



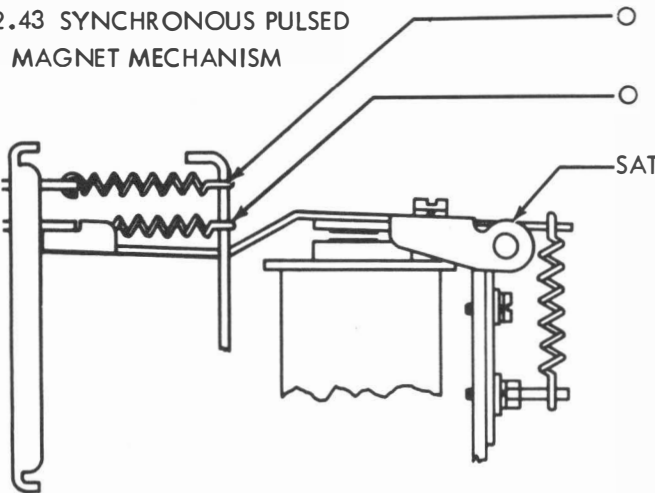
FRONT

2.42 CODE BAR GUIDE



O GUIDE SLOTS (LEFT, RIGHT, TOP AND BOTTOM)

2.43 SYNCHRONOUS PULSED  
MAGNET MECHANISM

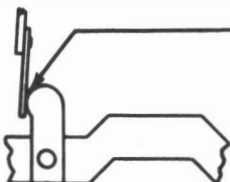


O HOOKS-EACH END UNIVERSAL CODE BAR SPRING

O HOOKS-EACH END CLUTCH TRIP BAR SPRING

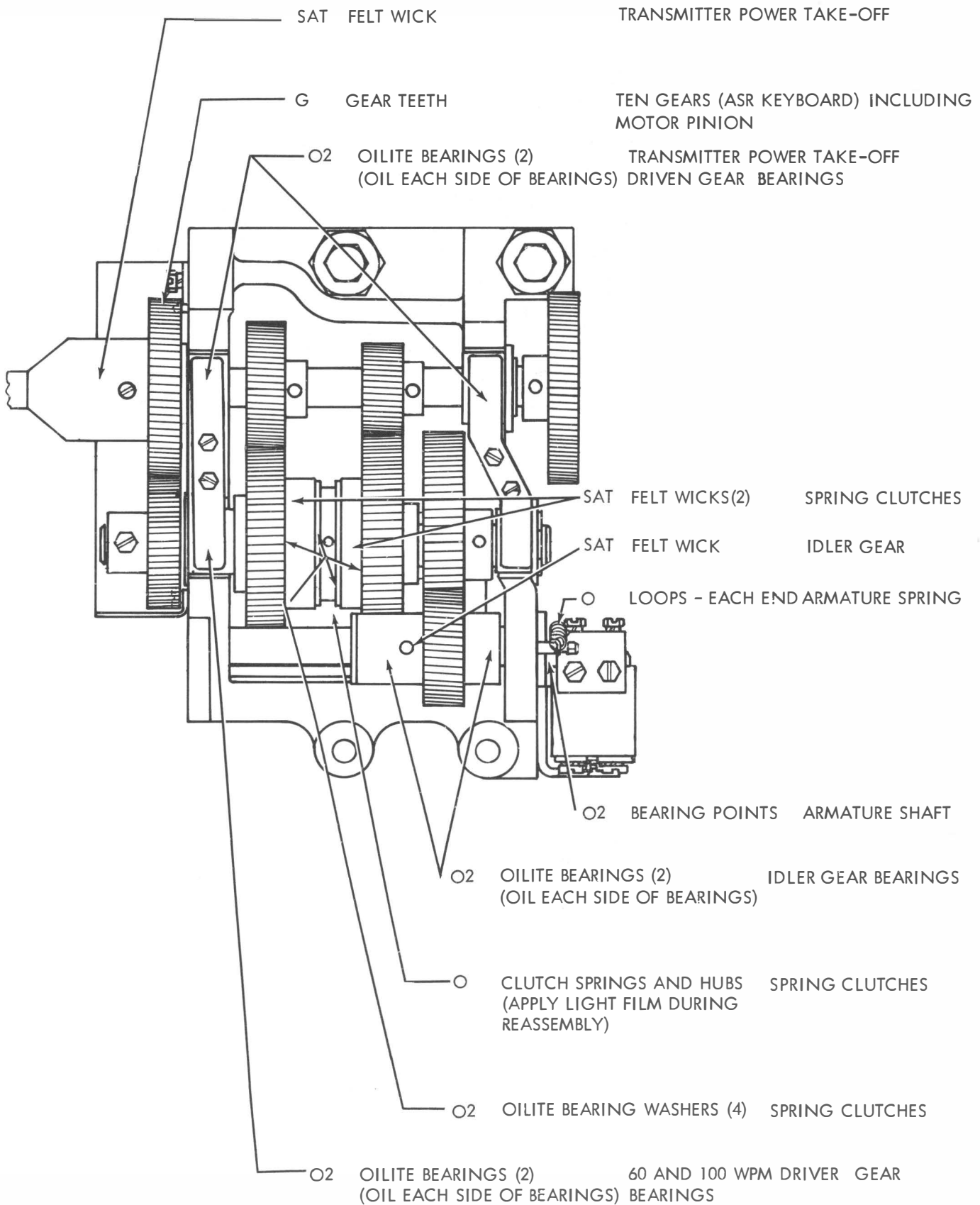
SAT FELT WASHERS ARMATURE-PIVOT

2.44 CONTACT SWINGER

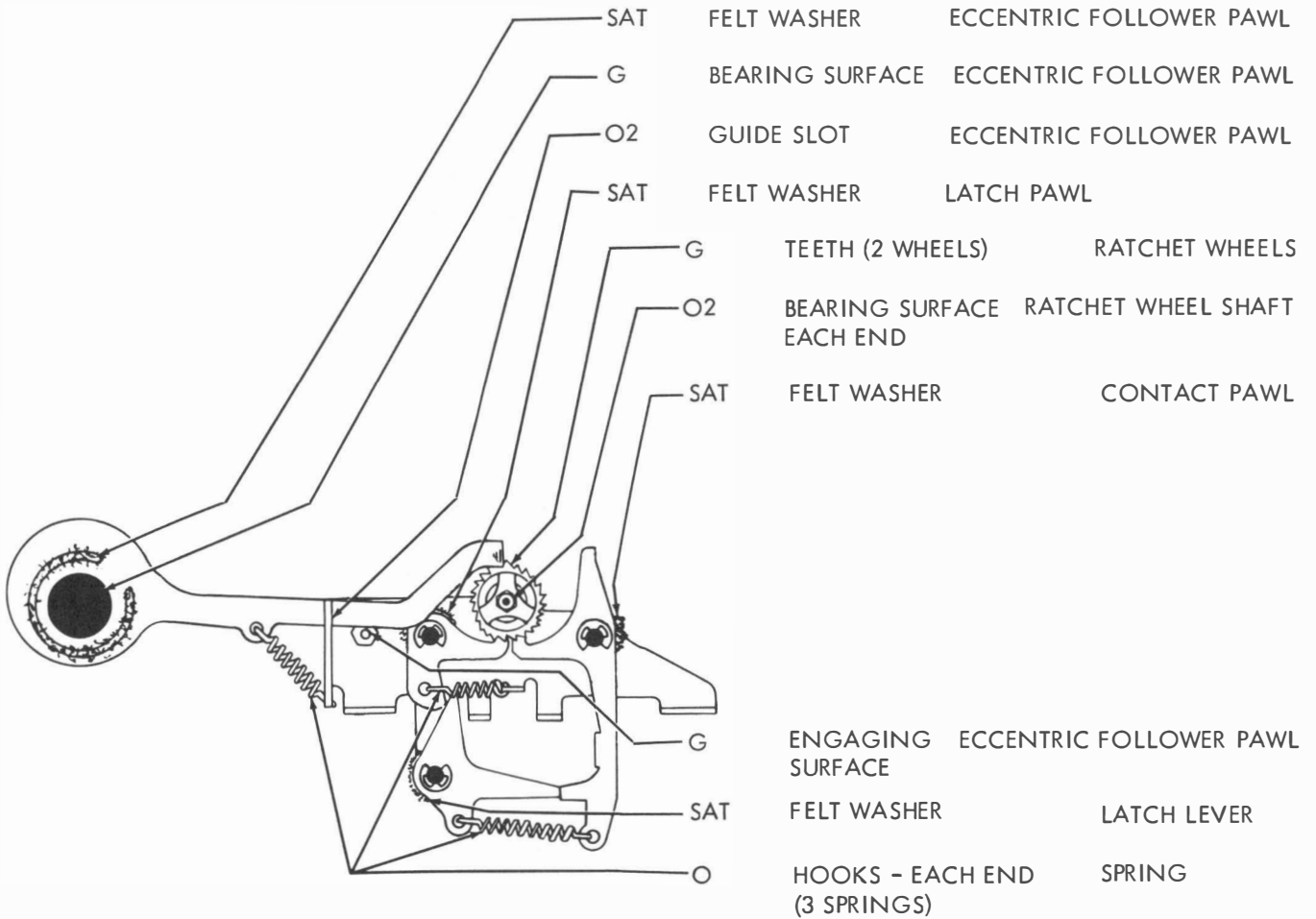


G ENGAGING SURFACE

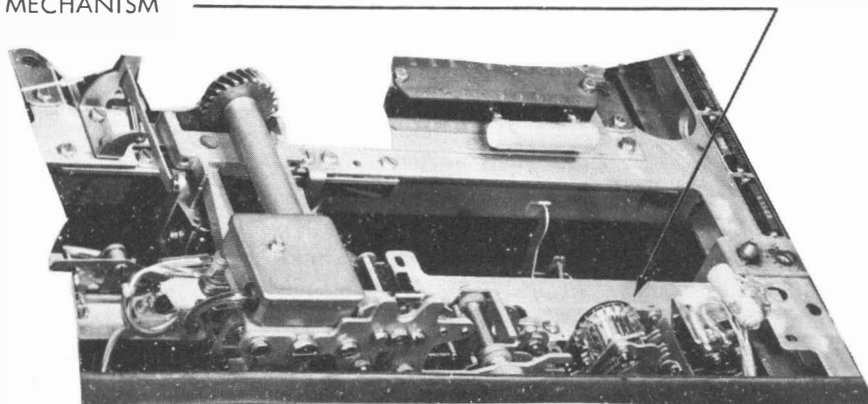
2.45 REMOTE CONTROL GEAR SHIFT



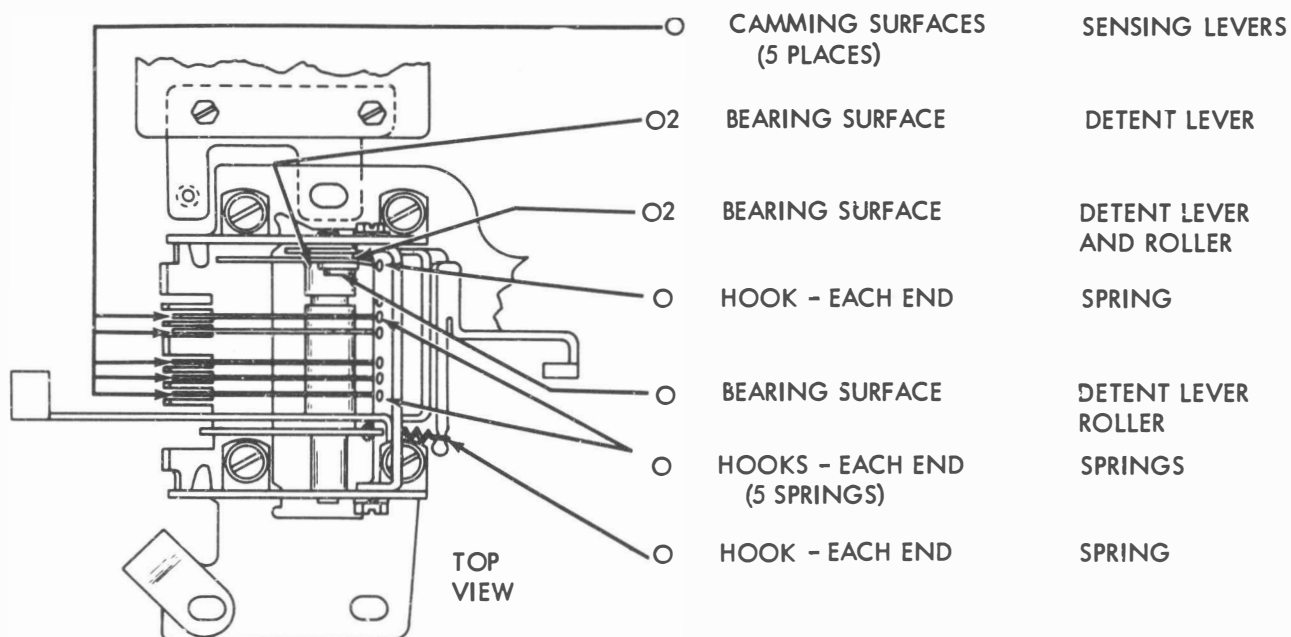
2.46 TIME DELAY MECHANISM



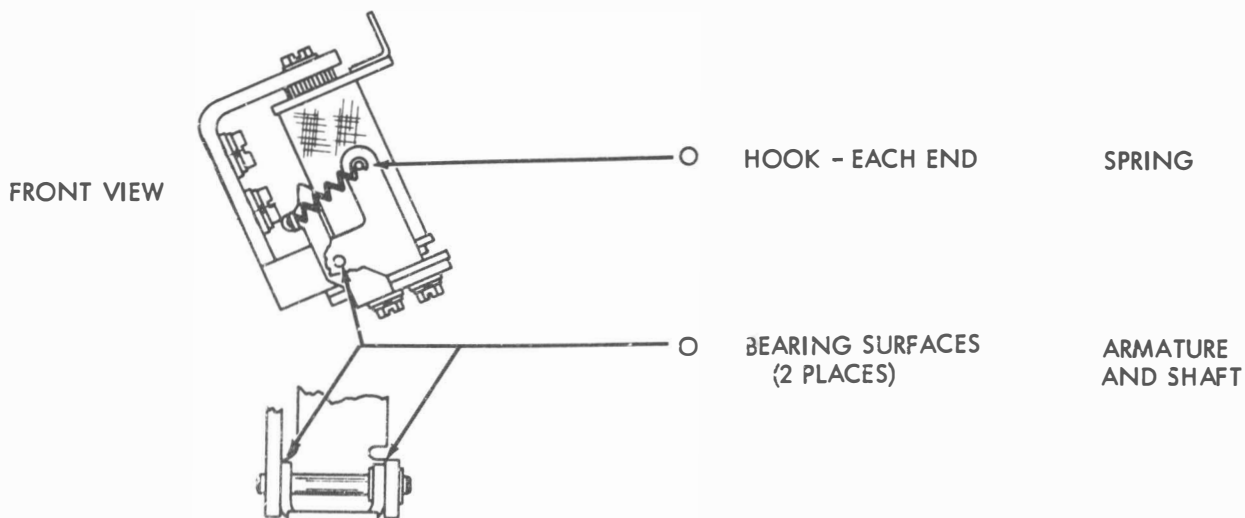
2.47 ANSWER-BACK MECHANISM



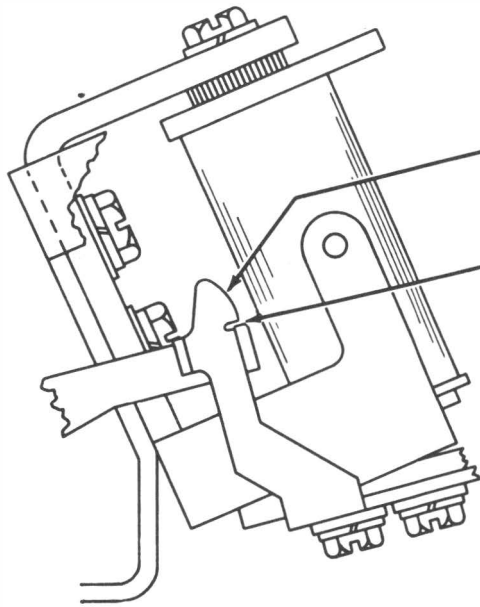
2.48 ANSWER-BACK — SENSING LEVER MECHANISM



2.49 ANSWER-BACK — ARMATURE MECHANISM



2.50 ANSWER-BACK — STOP LEVER

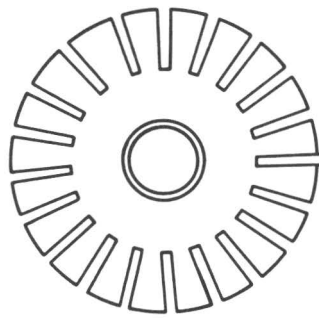


○ CONTACTING SURFACE

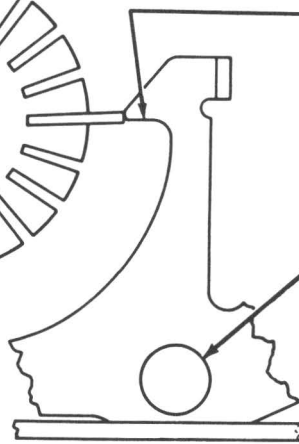
LATCH AND STOP LEVER

○ LATCHING SURFACE

LATCH AND STOP LEVER



(FRONT VIEW)



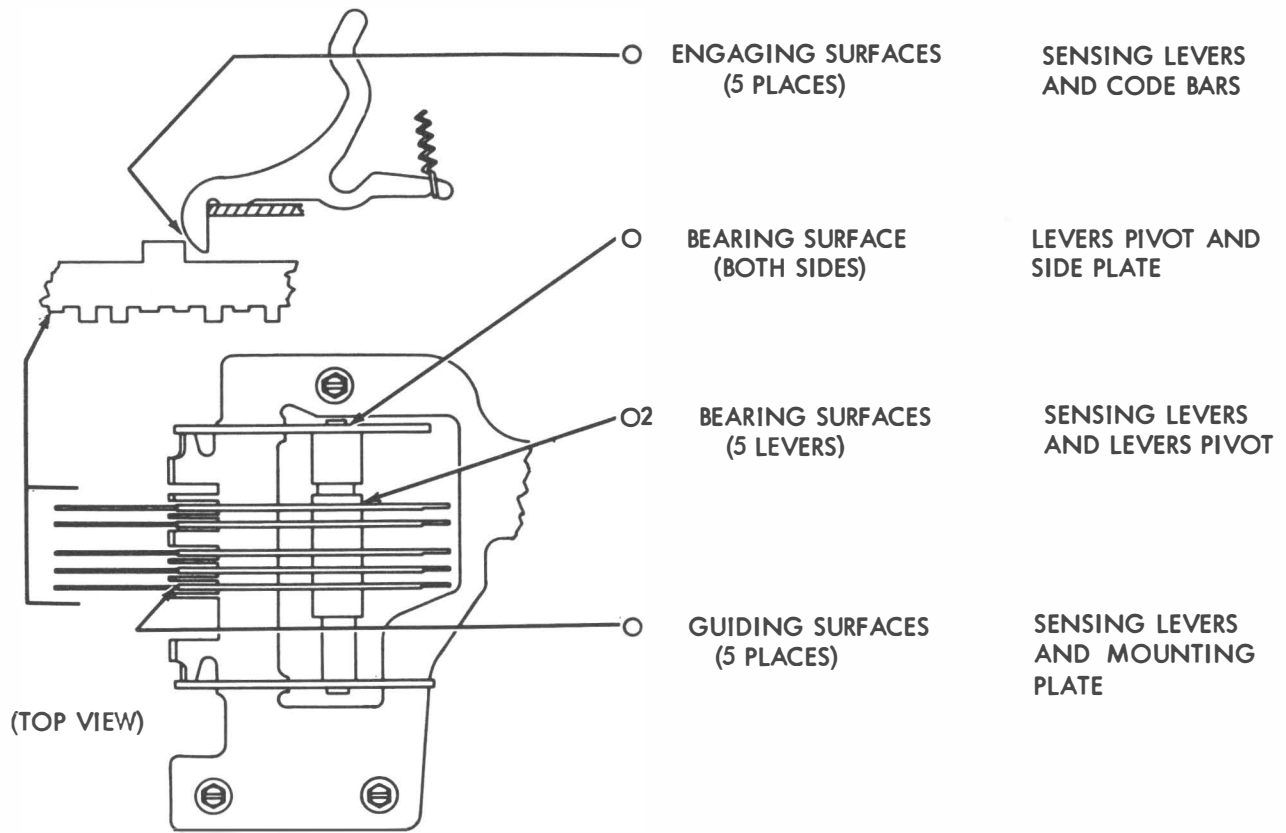
○ CAMMING SURFACE

STOP LEVER

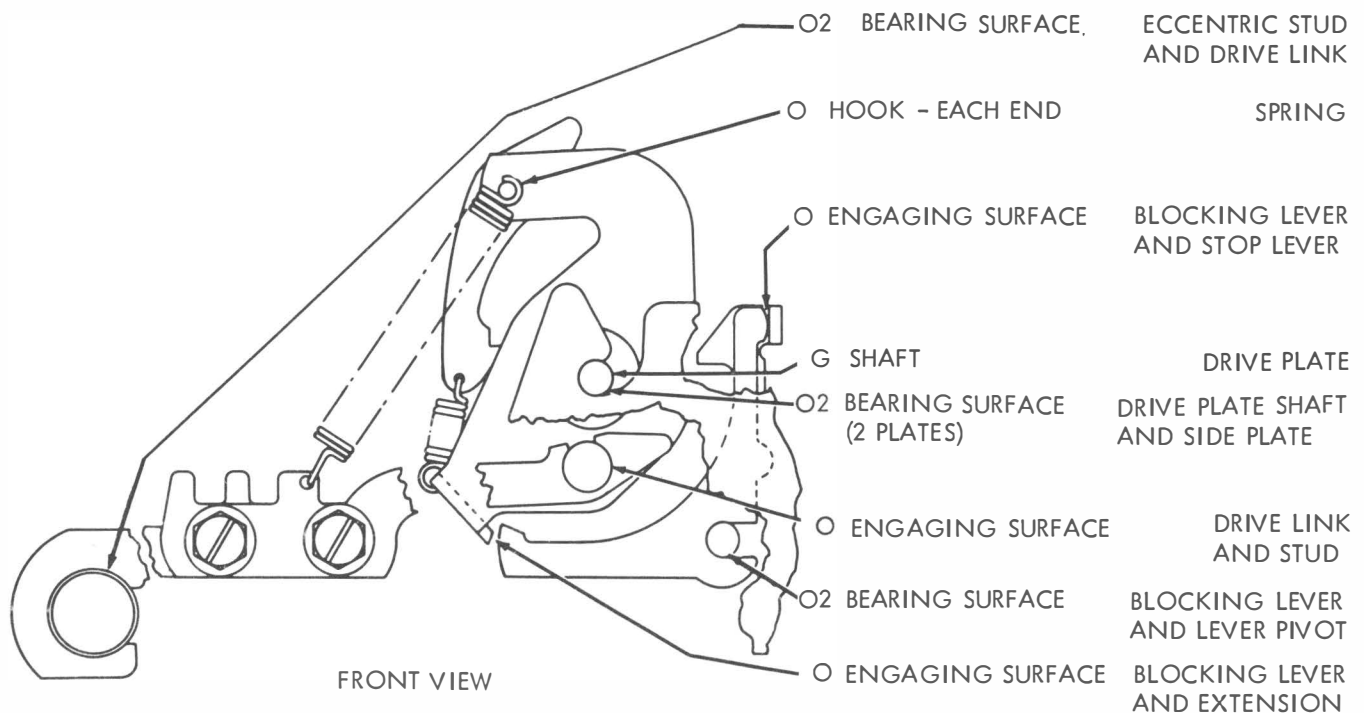
○ BEARING SURFACE (2 PLACES)

STOP LEVER AND LEVER PIVOT

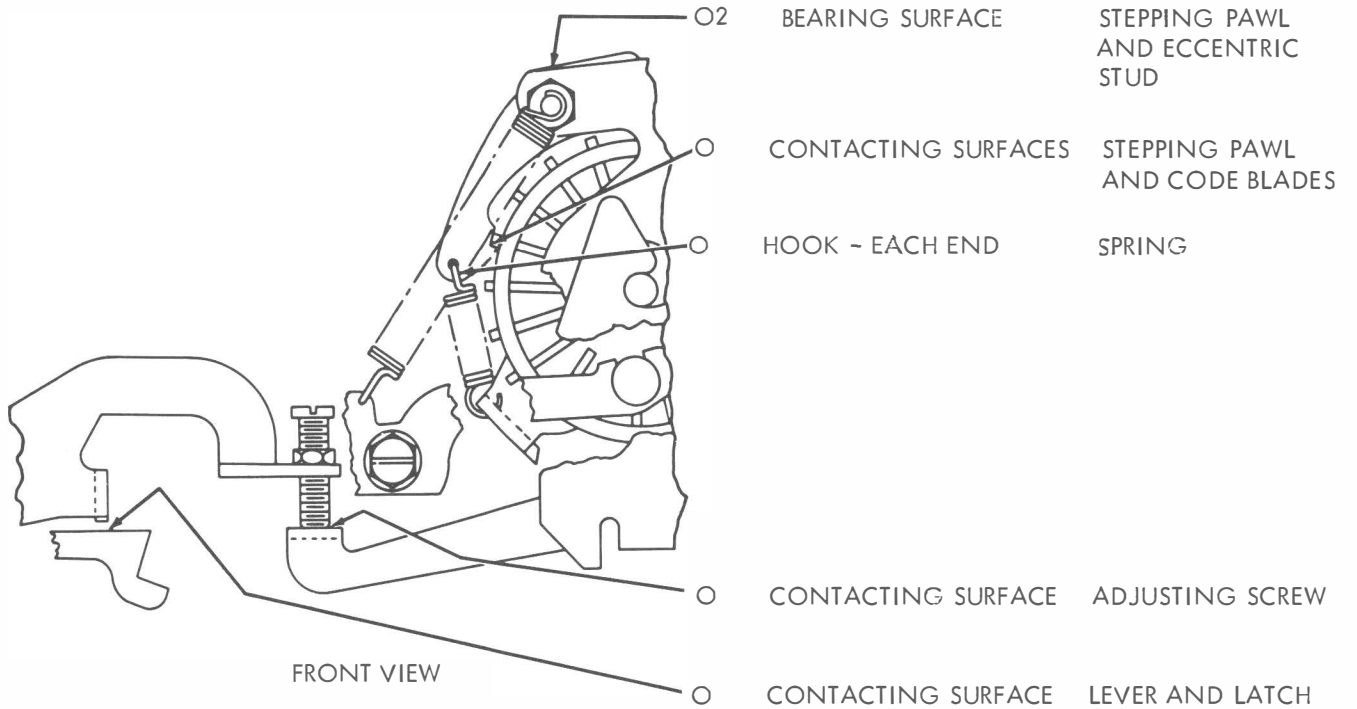
2.51 ANSWER-BACK — CODE BARS AND SENSING LEVERS



2.52 ANSWER-BACK — DRIVING MECHANISM



2.53 ANSWER-BACK — STEPPING PAWL



2.54 ANSWER-BACK — KEYBOARD LOCK BAIL MECHANISM

