

28 TYPING REPERFORATOR AND TAPE PRINTER KEYBOARDS

LUBRICATION

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1. GENERAL

- 1.01 This section contains specific lubrication procedures for the 28 typing reperforator and tape printer keyboards.
- 1.02 This section has been revised to include change in title, recent engineering changes and additions, and to rearrange the text, so as to bring the section generally up-to-date. Since this is an extensive revision, marginal ar-

rows ordinarily used to indicate changes have been omitted.

1.03 The keyboards should be lubricated as directed in this section. The figures indicate points to be lubricated and the kind and quantity of lubricant to be used. Lubricate the keyboards just prior to placing them in service. After a few weeks in service, relubricate to make certain that all points receive lubrication. The following lubrication schedule should be followed thereafter:

Operating Speed (Words per Minute)	Lubrication Interval (Whichever Occurs First)
60	3000 hours or 1 year
75	2400 hours or 9 months
100	1500 hours or 6 months

1.04 Use TP88970 (KS7470) oil at all locations where the use of oil is indicated. Use TP88973 (KS7471) grease on all surfaces where grease is indicated.

1.05 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.

1.06 Apply a thick film of grease to all gears.

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:

- O1 Apply 1 drop of oil.
- O2 Apply 2 drops of oil.
- O3 Apply 3 drops of oil.
- G Apply thin film of grease.
- SAT Saturate (felt oilers, washers, wicks) with oil.

2. BASIC UNITS

Note: The apparatus should be in an upright position for lubrication.

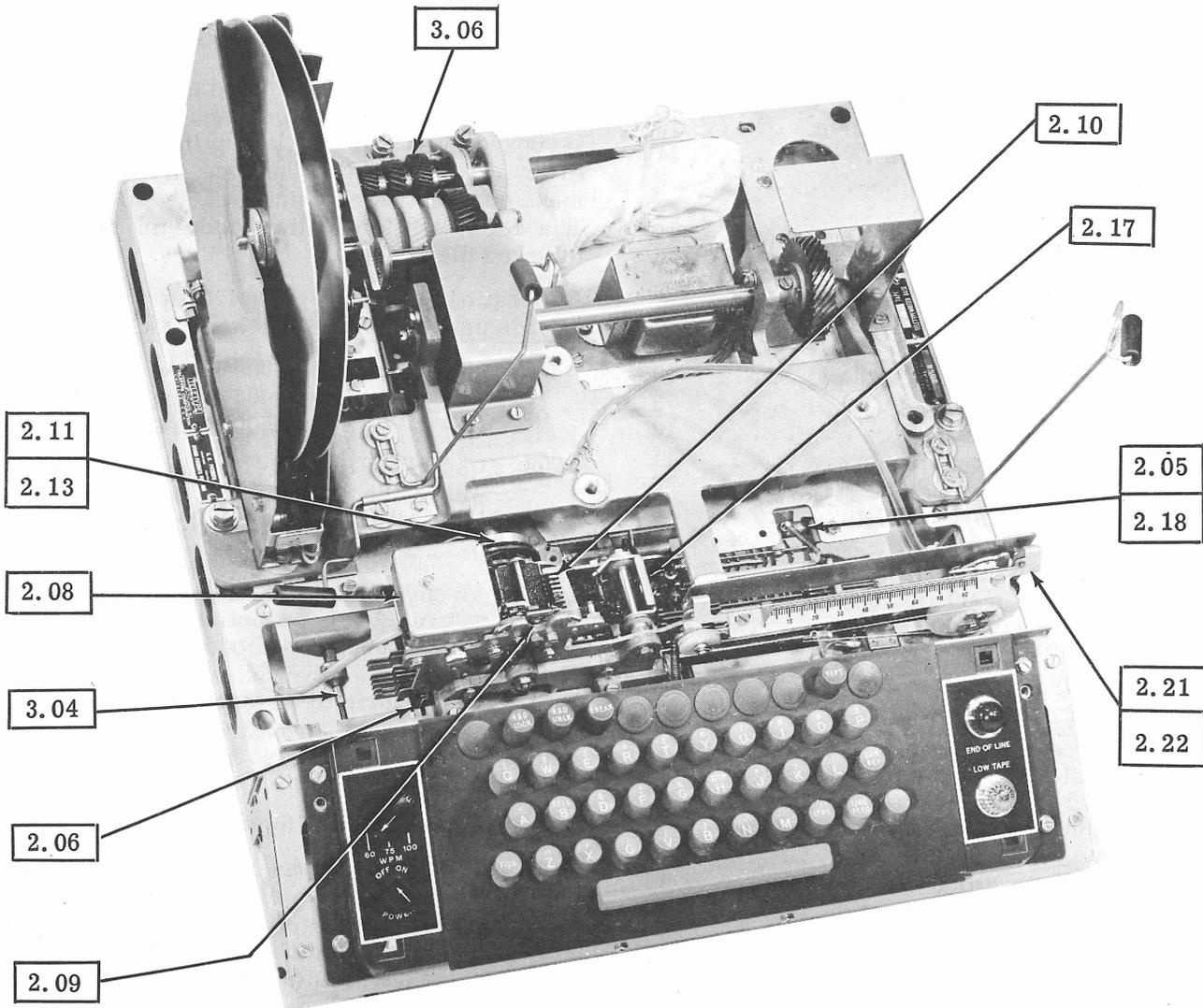
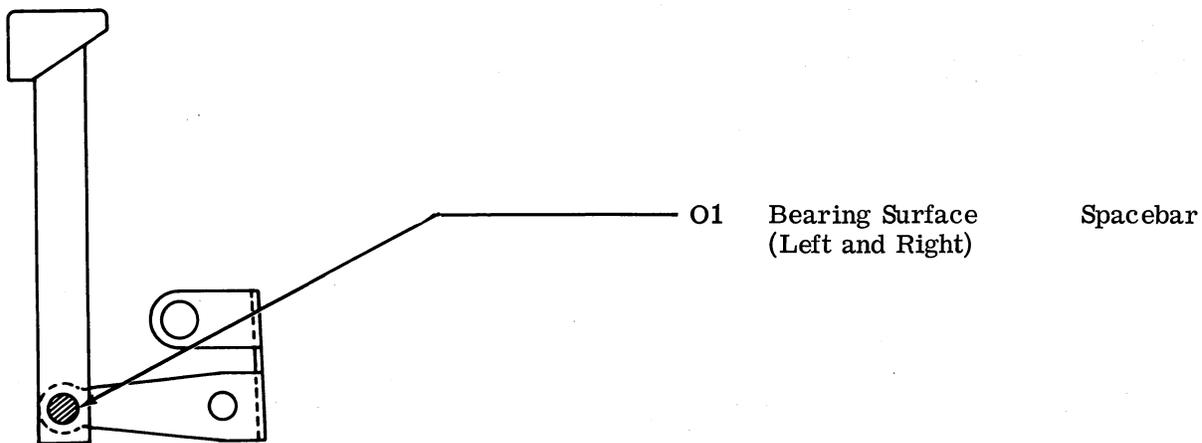
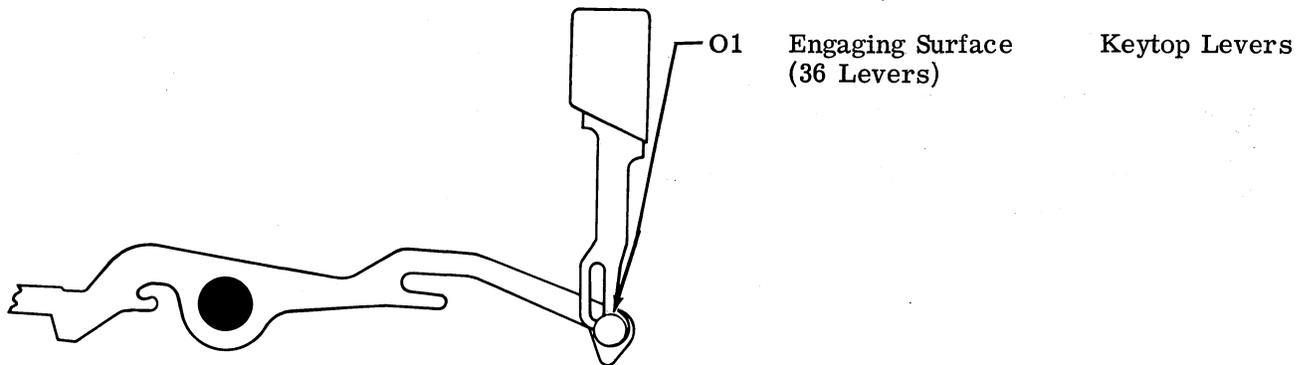


Figure 1 - 28 Tape Printer Keyboard (28 Typing Reperforator Keyboard is Similar to the 28 Tape Printer Keyboard)

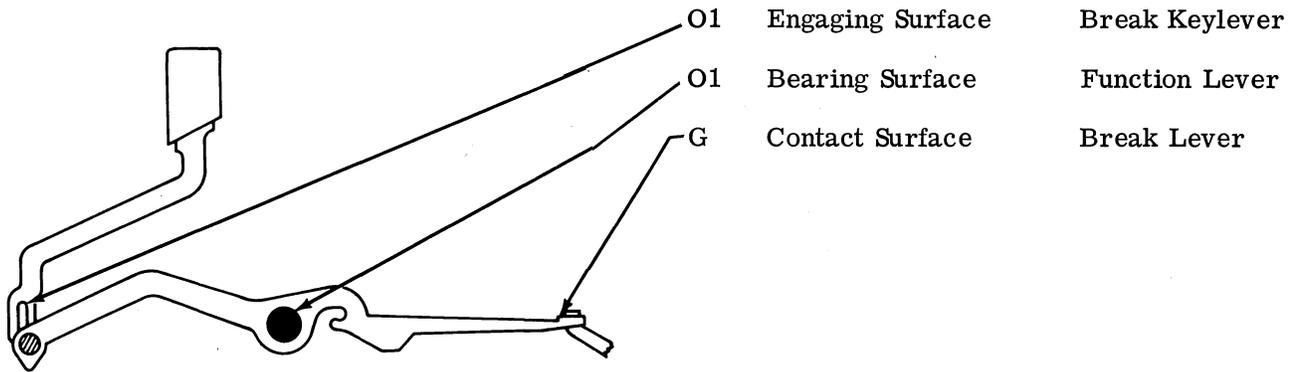
2.01 Spacebar Mechanism



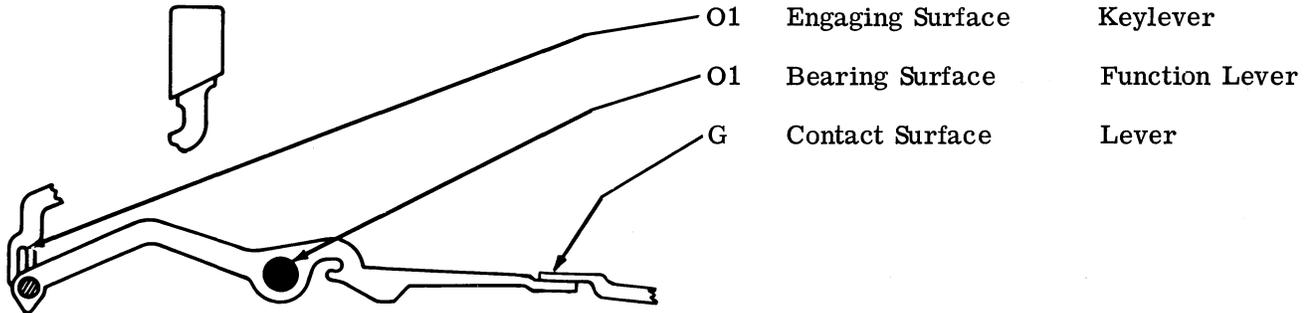
2.02 Keylever Mechanism



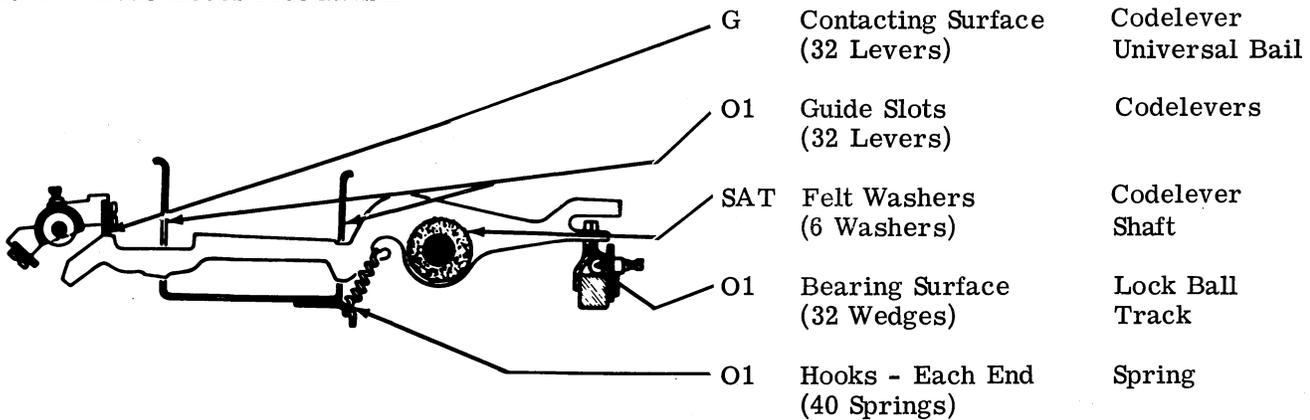
2.03 Break Lever Mechanism



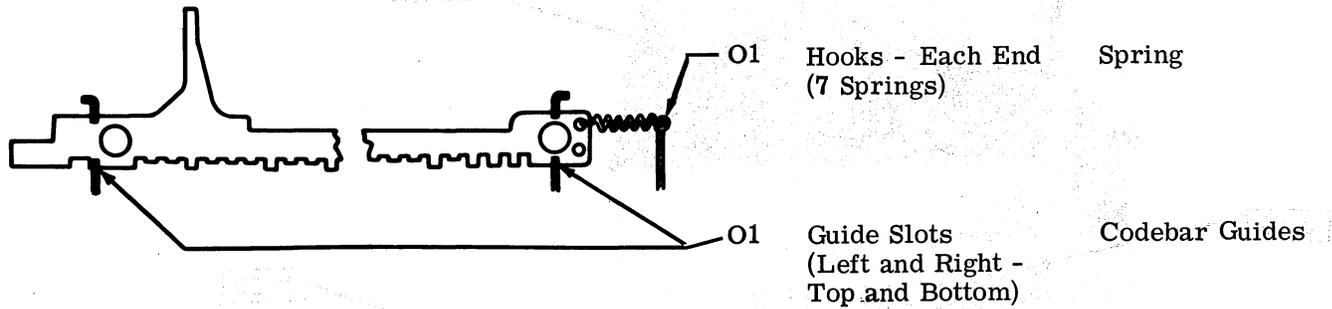
2.04 Function Lever Mechanism



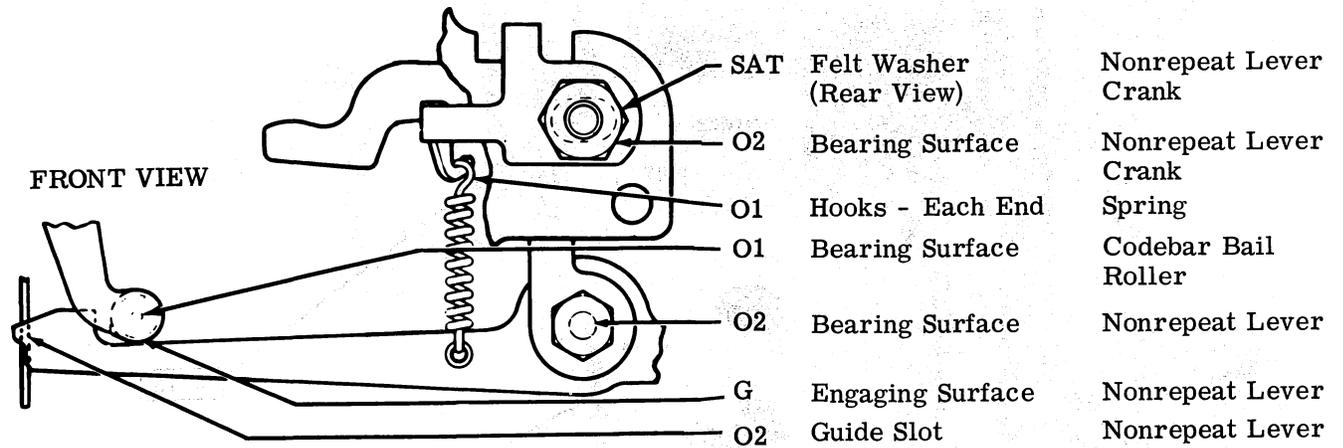
2.05 Code Lever Mechanism



2.06 Codebar Mechanism



2.07 Nonrepeat Lever Mechanism



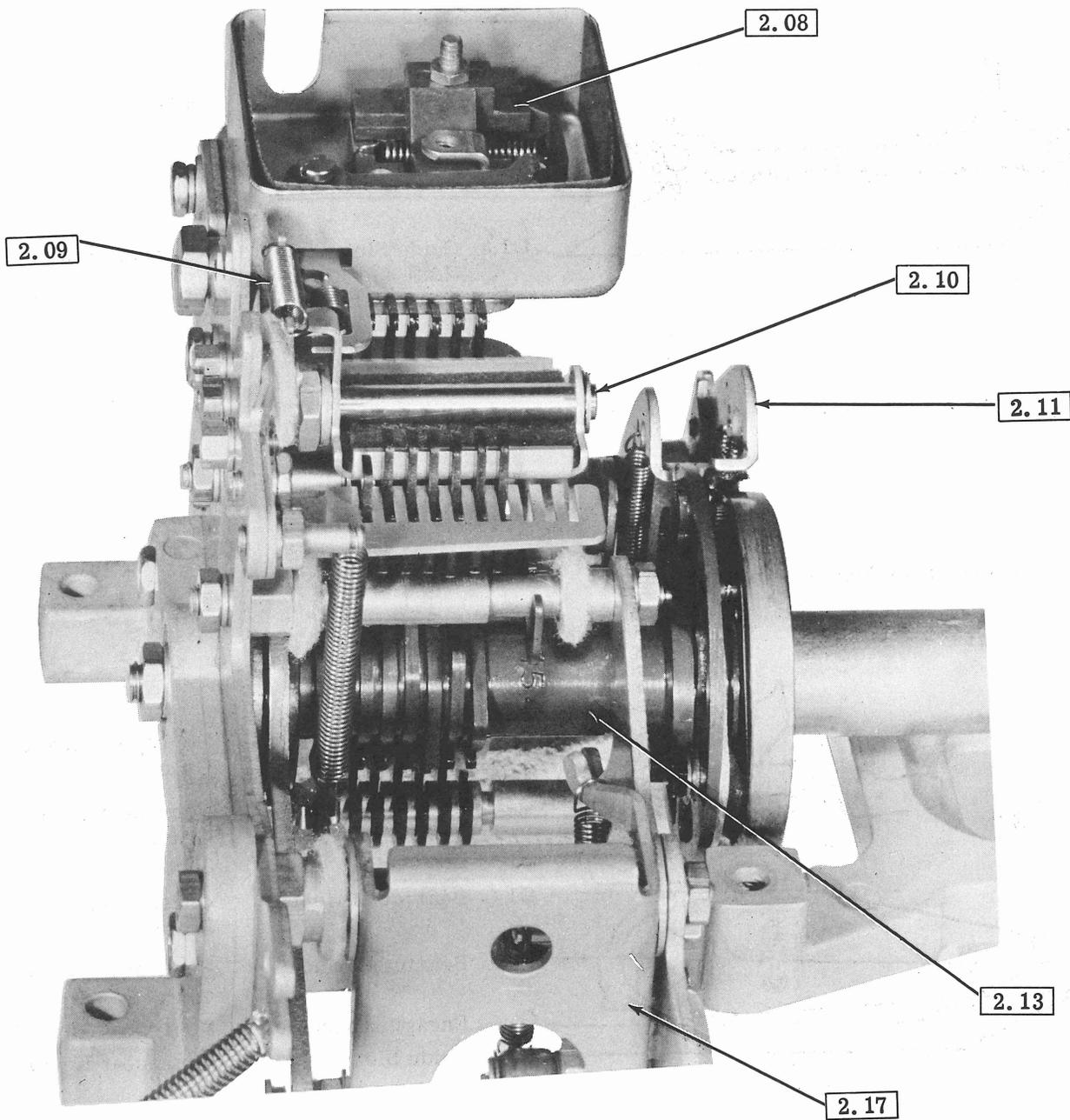
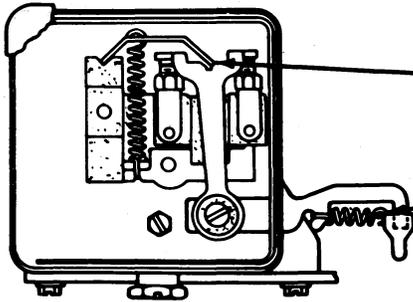


Figure 2 - Signal Generator Mechanism

2.08 Contact Box



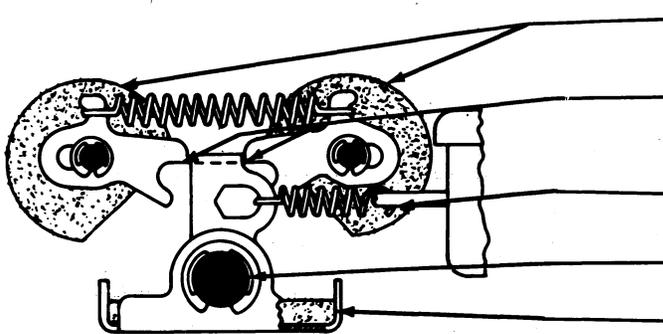
- G Engaging Surface Contact Toggle
- O1 Hooks - Each End Spring

Disassembly: Remove nut and lockwasher securing contact box cover and remove cover.

Note: The marking "DO NOT OIL" on the signal contact box cover should be interpreted literally. Portions of the mechanism should be greased as indicated, but no oil should be used.

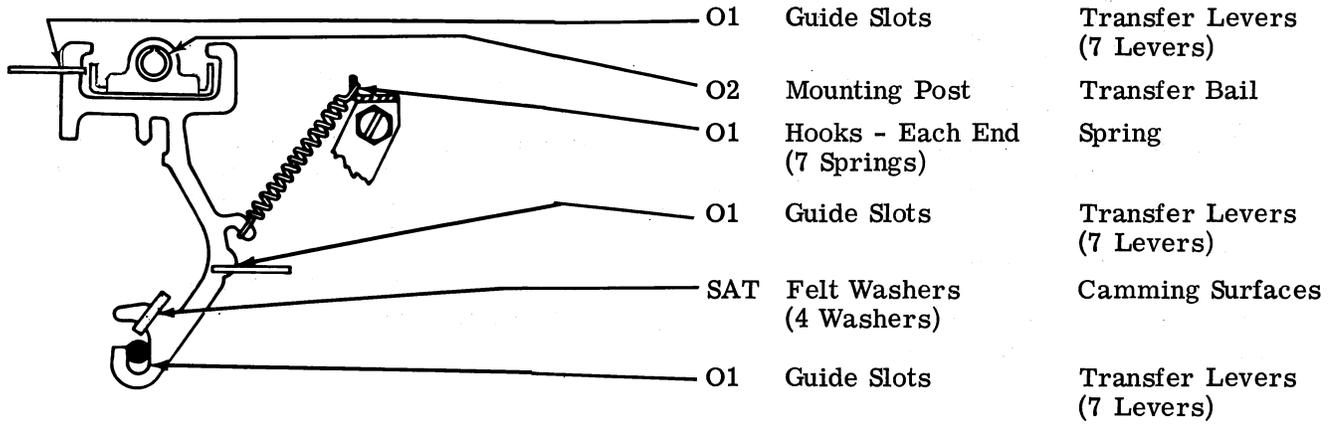
CAUTION: GREASE SPARINGLY - KEEP CONTACTS FREE OF OIL.

2.09 Transfer Bail Mechanism

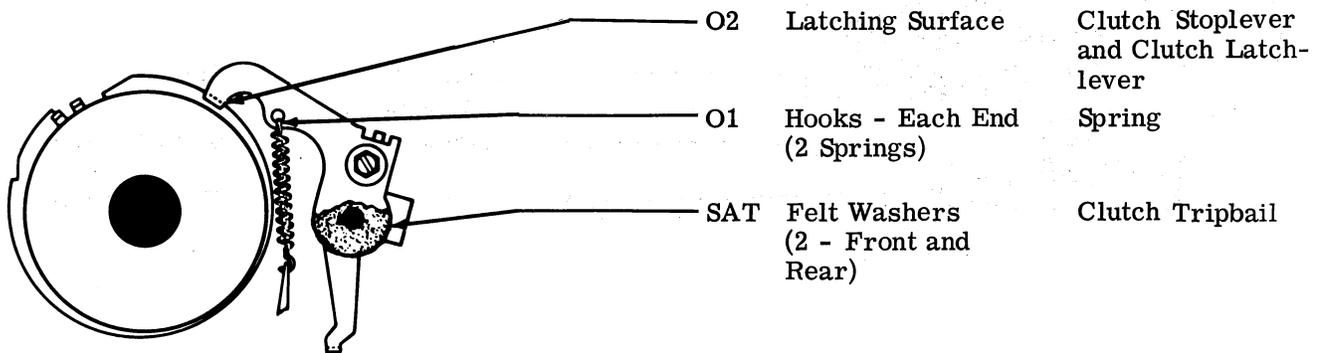


- SAT Felt Washers (2 Washers) Latches
- G Engaging Surface Transfer Bail
- O1 Hooks - Each End (2 Springs) Spring
- O2 Bearing Surface Transfer Bail
- SAT Oil Wick Transfer Bail

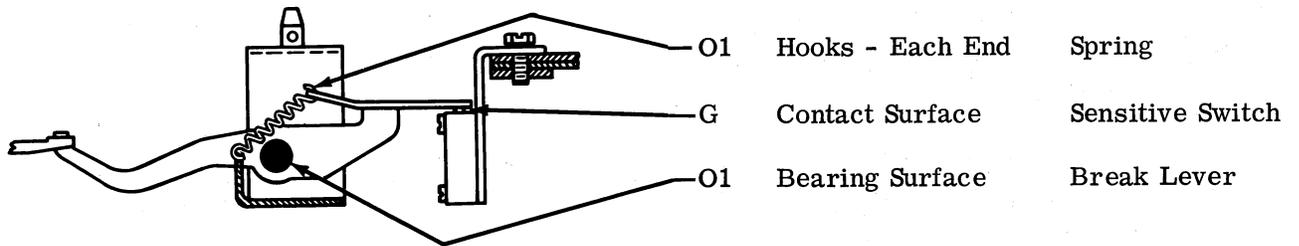
2.10 Transfer Lever Mechanism



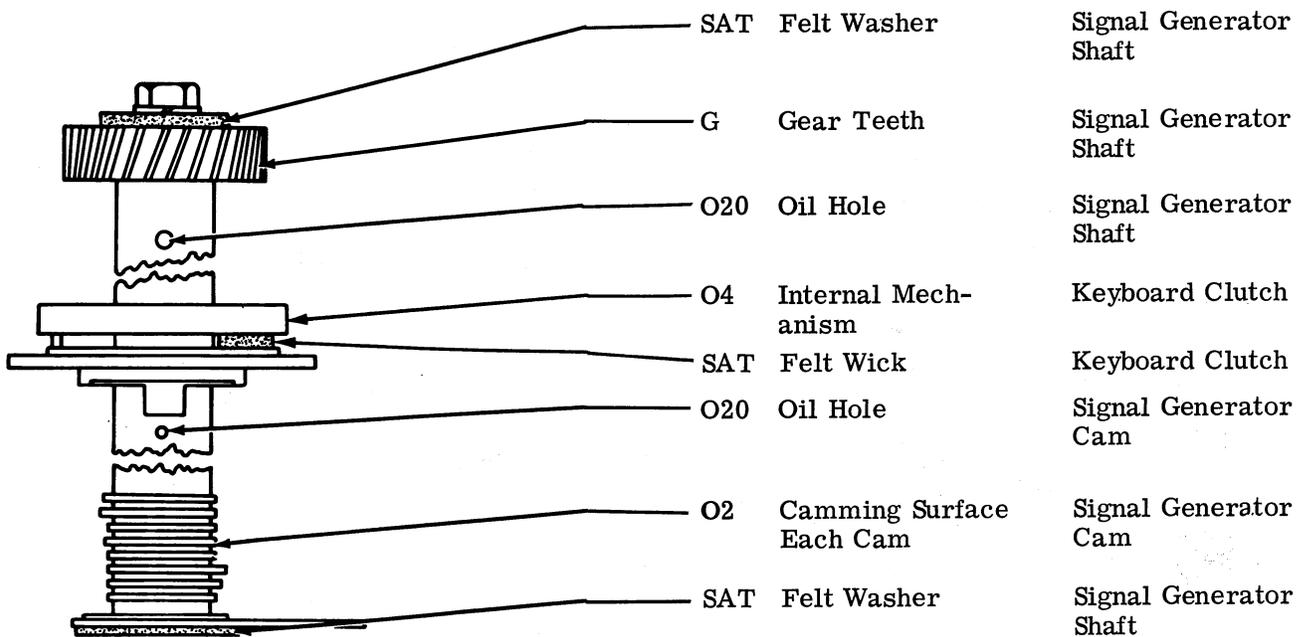
2.11 Function Clutch Mechanism



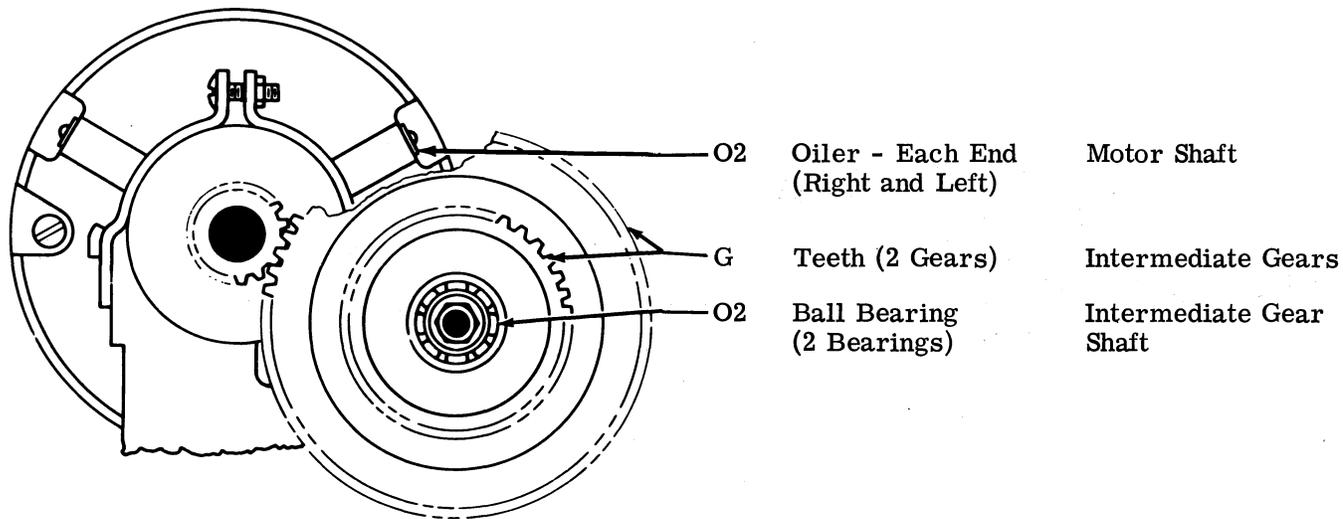
2.12 Electrical Line Break Mechanism



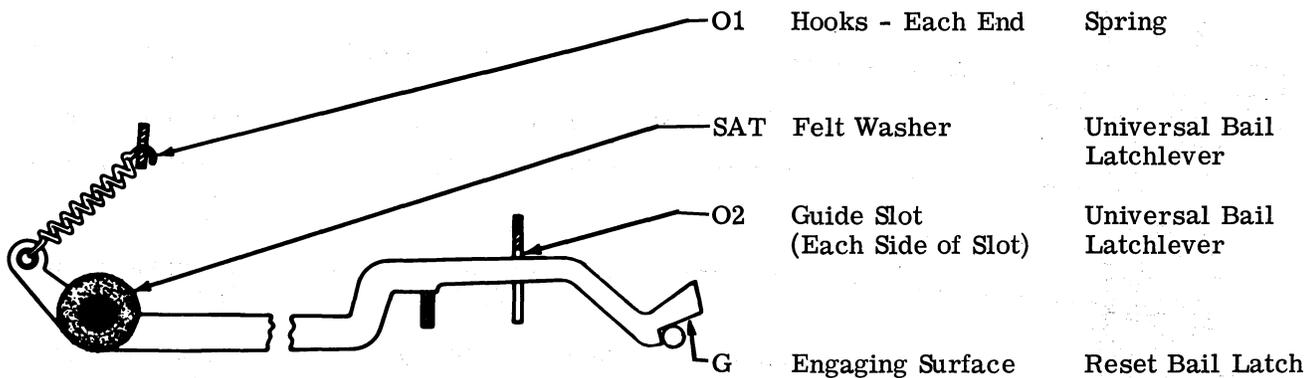
2.13 Shaft Mechanism



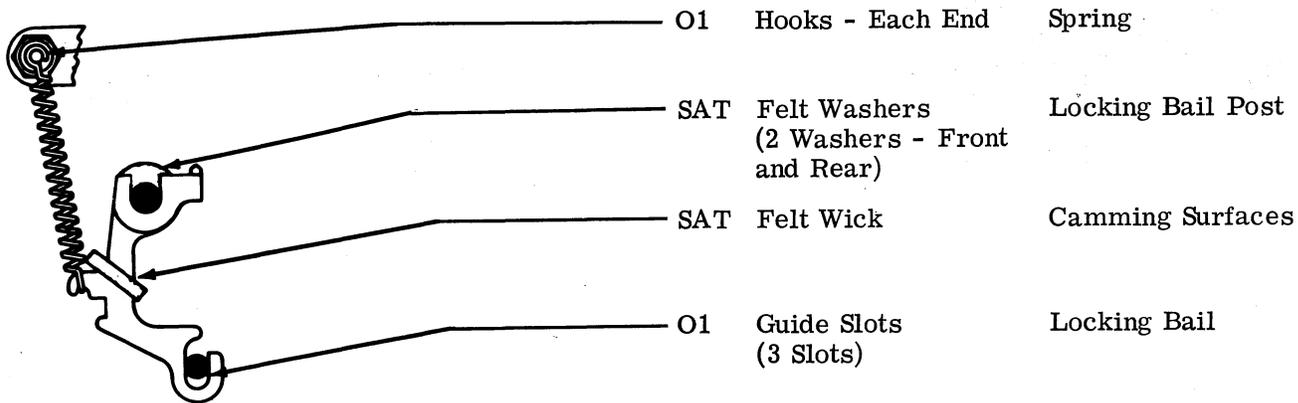
2.14 Intermediate Gear Mechanism



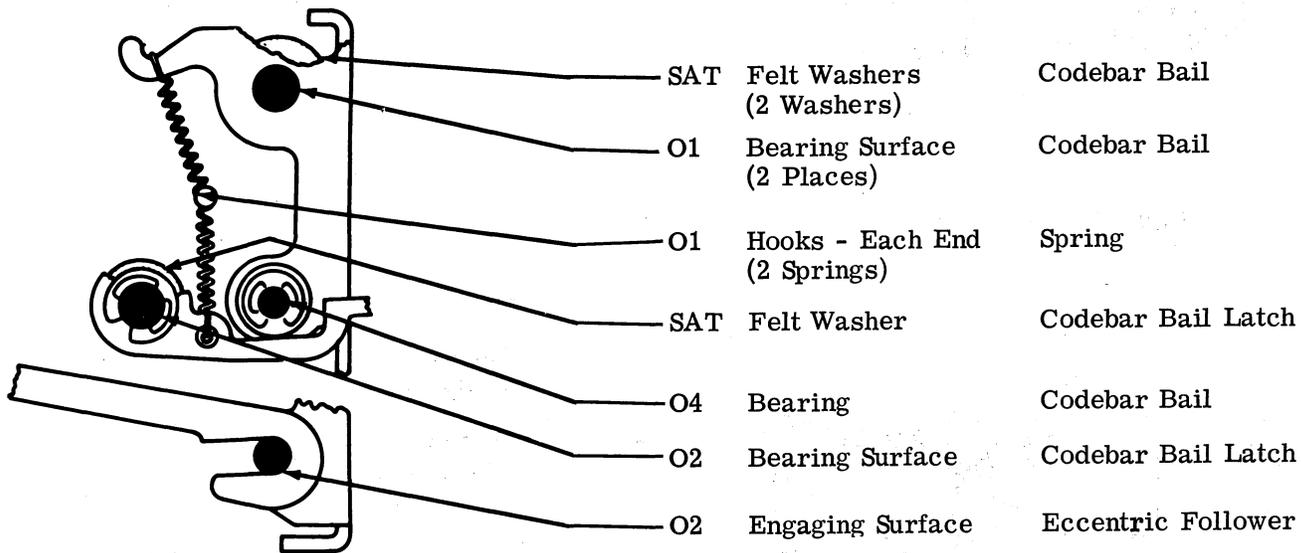
2.15 Universal Bail Latchlever (Right Side View)



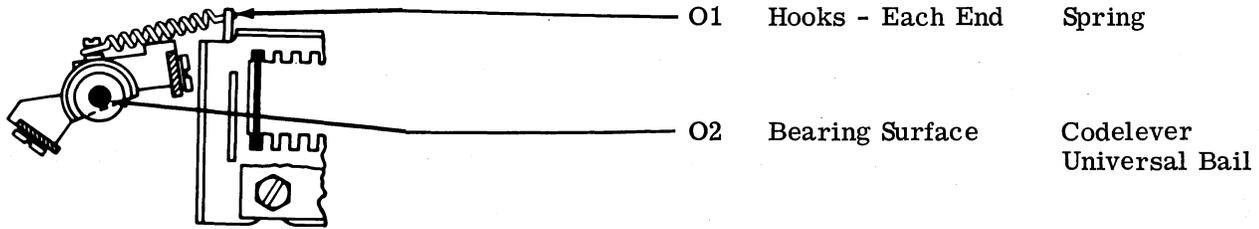
2.16 Locking Bail Mechanism



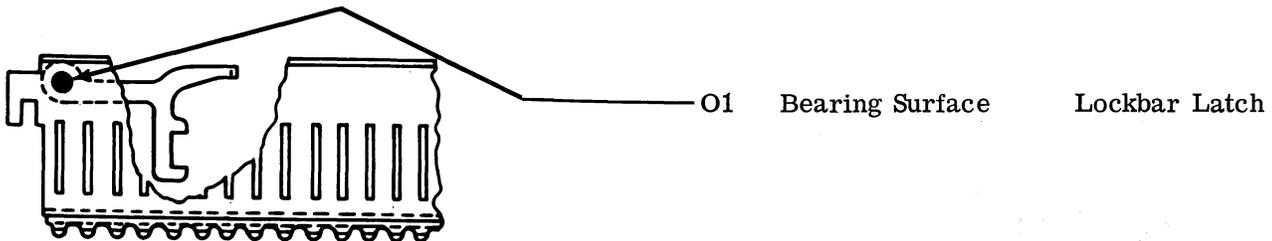
2.17 Codebar Bail Mechanism



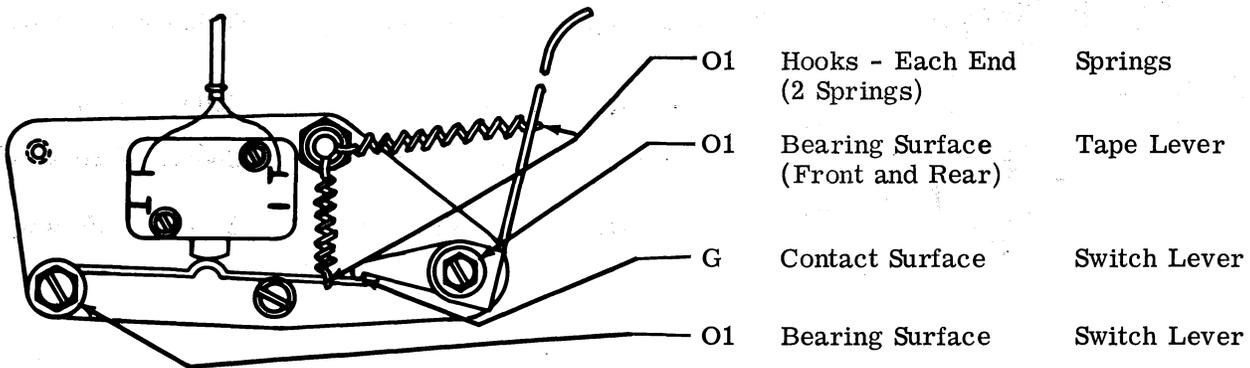
2.18 Code Lever Universal Bail Mechanism



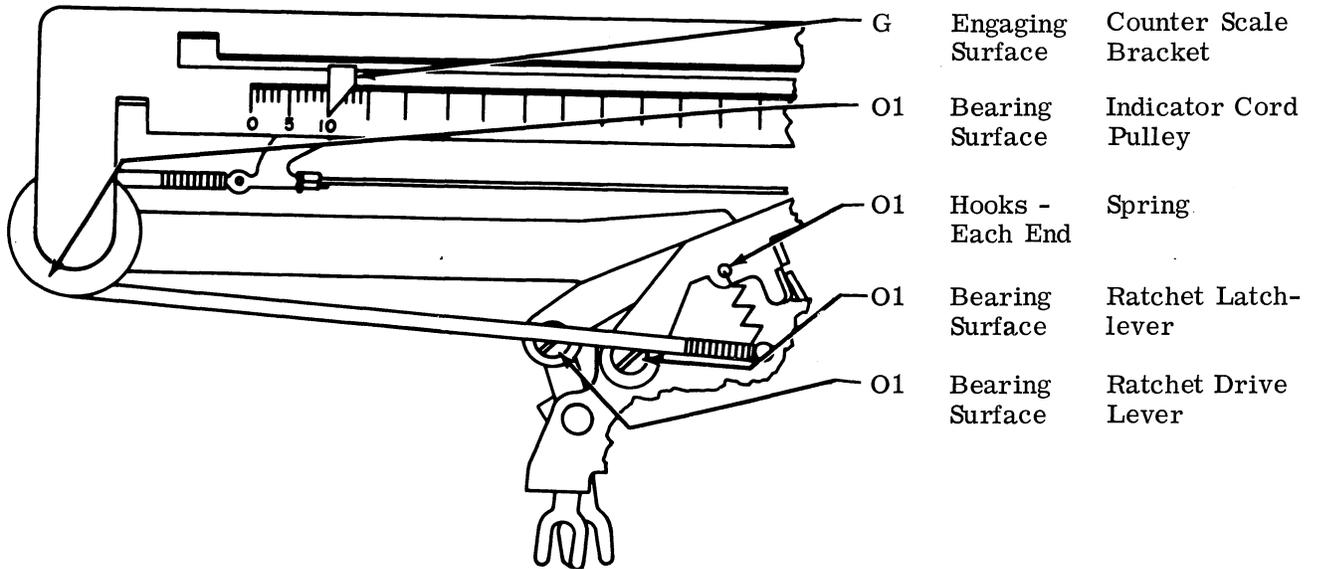
2.19 Lockbar Latch Mechanism



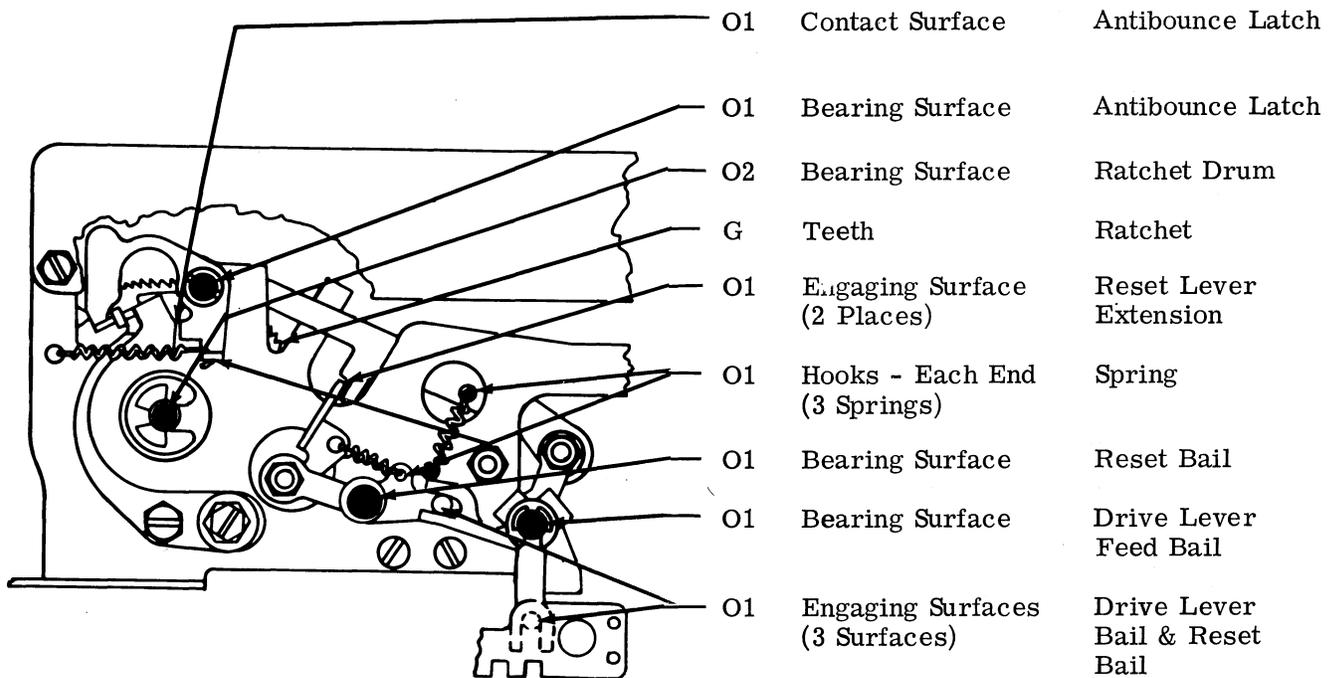
2.20 Tape-Out Switch Mechanism



2.21 Character Counter Mechanism (Front View)

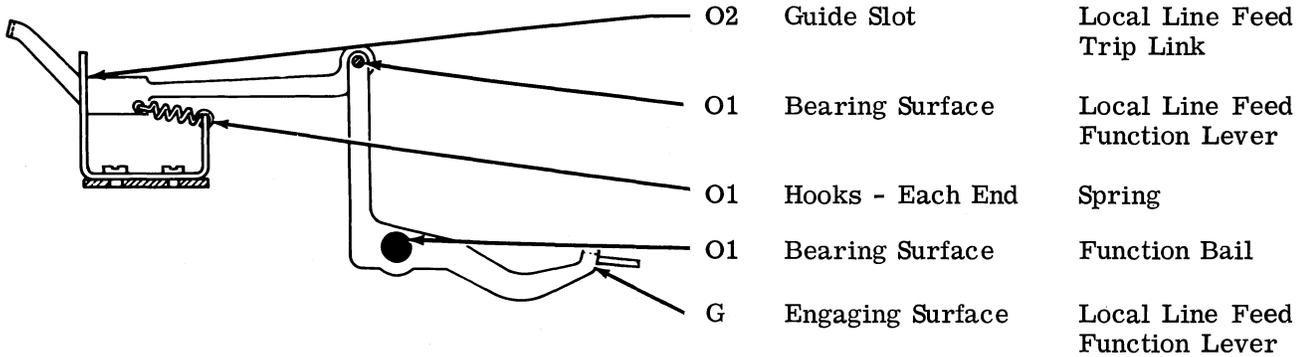


2.22 Character Counter Mechanism (Rear View)

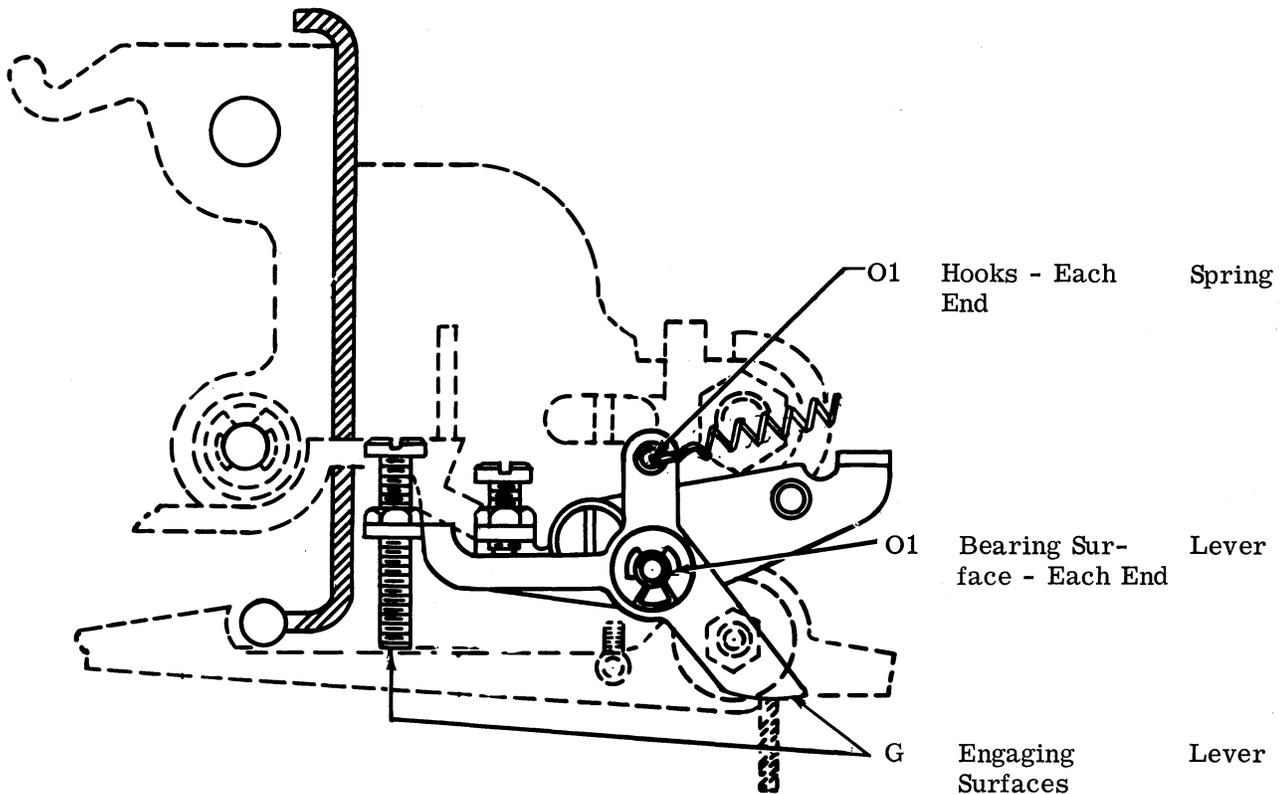


3. VARIABLE FEATURES

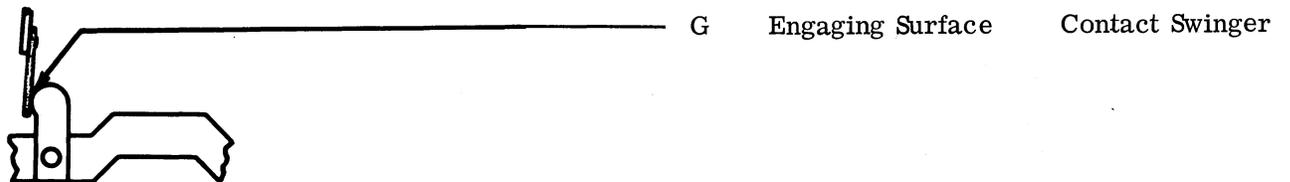
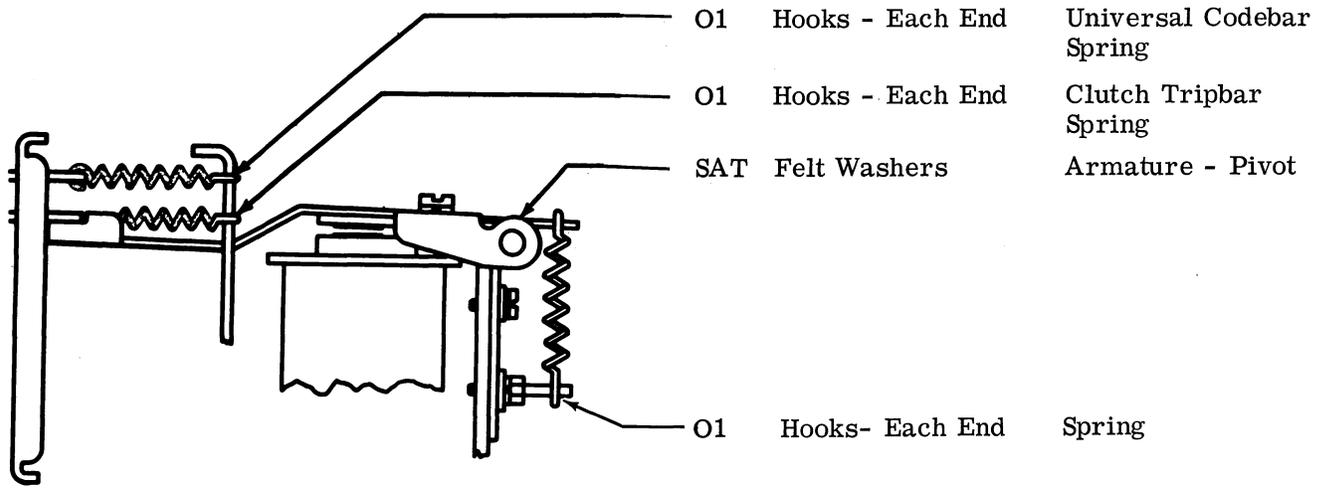
3.01 Local Tape Feed-Out Mechanism



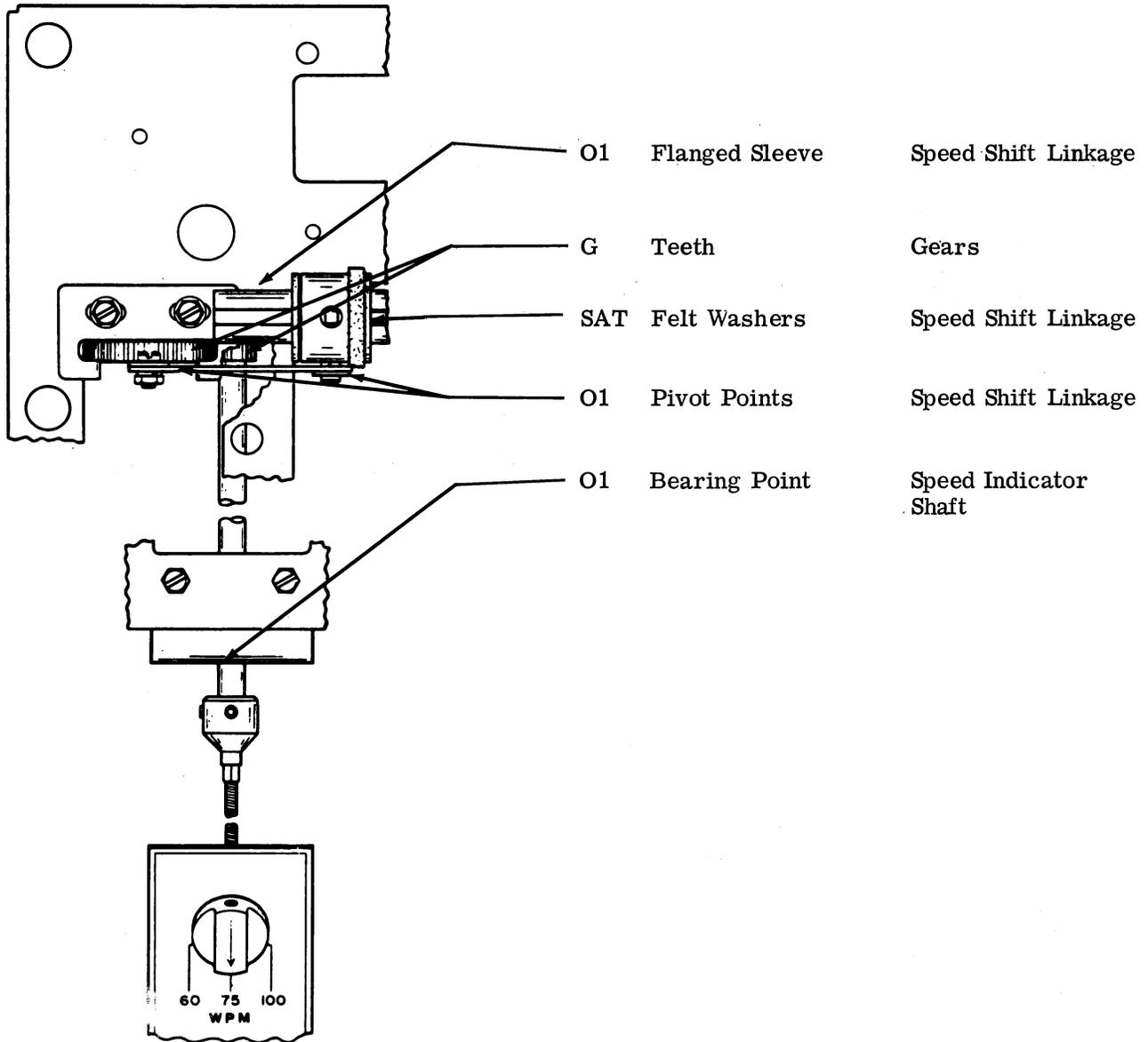
3.02 Repeat-On-Space Mechanism



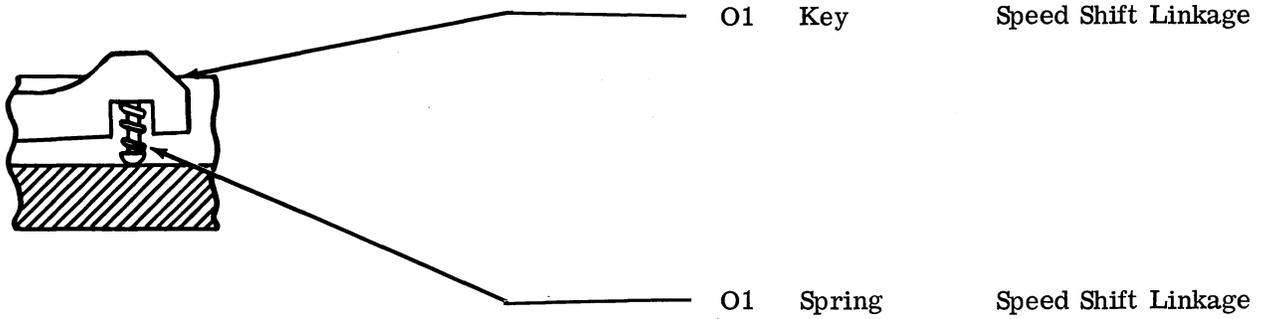
3.03 Synchronous Pulsed Magnet Mechanism



3.04 Gear Shift Mechanism for Tape Printer Keyboard



3.05 Gear Shift Mechanism for Tape Printer Keyboard continued



3.06 Gear Shift Assembly for Tape Printer Keyboard

