

35 TAPE PRINTER
LUBRICATION

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by line drawings and descriptive text. The symbols in the text indicate the following directions:

- O Apply one drop of oil.
- O2 Apply two drops of oil.
- O3 Apply three drops of oil, etc.
- G Apply thin coat of grease.
- SAT Saturate with oil (felt washers, etc).

KS7470 oil and KS7471 grease should be used.

1.03 The equipment should be thoroughly lubricated, but over-lubrication which might allow oil to drop or grease to be thrown on other parts should be avoided. Special care should be exercised to prevent lubricant from getting between armature and pole faces or between electrical contact points.

1.04 The following general instructions supplement the specific lubricating points illustrated on subsequent pages.

- Apply one drop of oil to all spring hooks.
- Apply a light film of oil to all cam surfaces.
- Apply a thick coat of grease to all gears.
- Saturate all felt washers, oilers, etc.
- Apply oil to all pivot points.
- Apply oil to all sliding surfaces.

1. GENERAL

1.01 This section is reissued to change the format and to add engineering changes for the 35 tape printer. Arrows in the margins indicate changes or additions.

1.02 This section provides lubrication information for the 35 tape printer. General areas of the equipment are shown by photographs. Specific points to receive lubricant are indicated

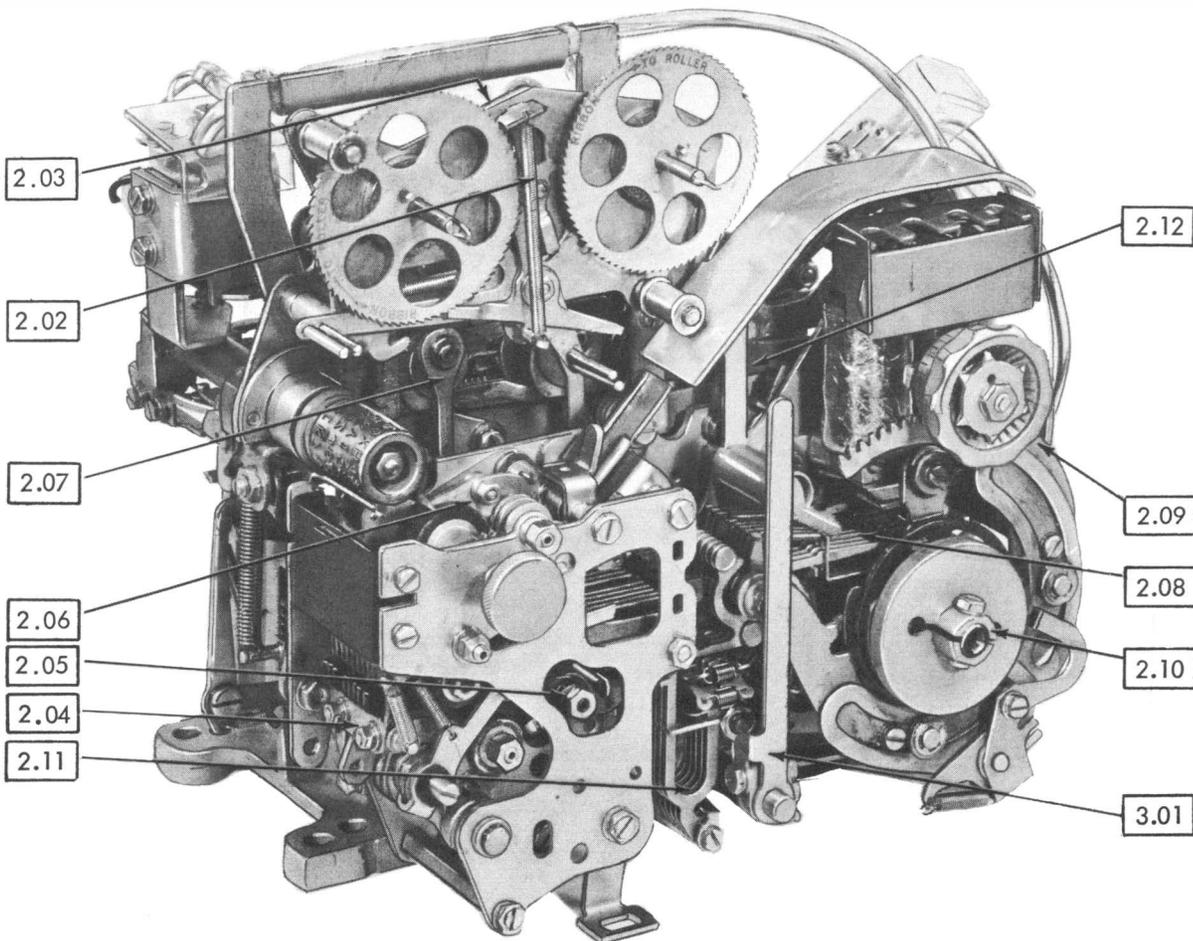
1.05 All equipment should be lubricated before being placed in service or prior to storage. After a few weeks of service, relubricate to make certain that all specified points have received lubricant. Thereafter, the following schedule should be adhered to:

<u>Operating Speed</u>	<u>Lubrication Interval</u>
60 wpm	3000 hours or 1 year*
75 wpm	2400 hours or 9 months*
100 wpm	1500 hours or 6 months*

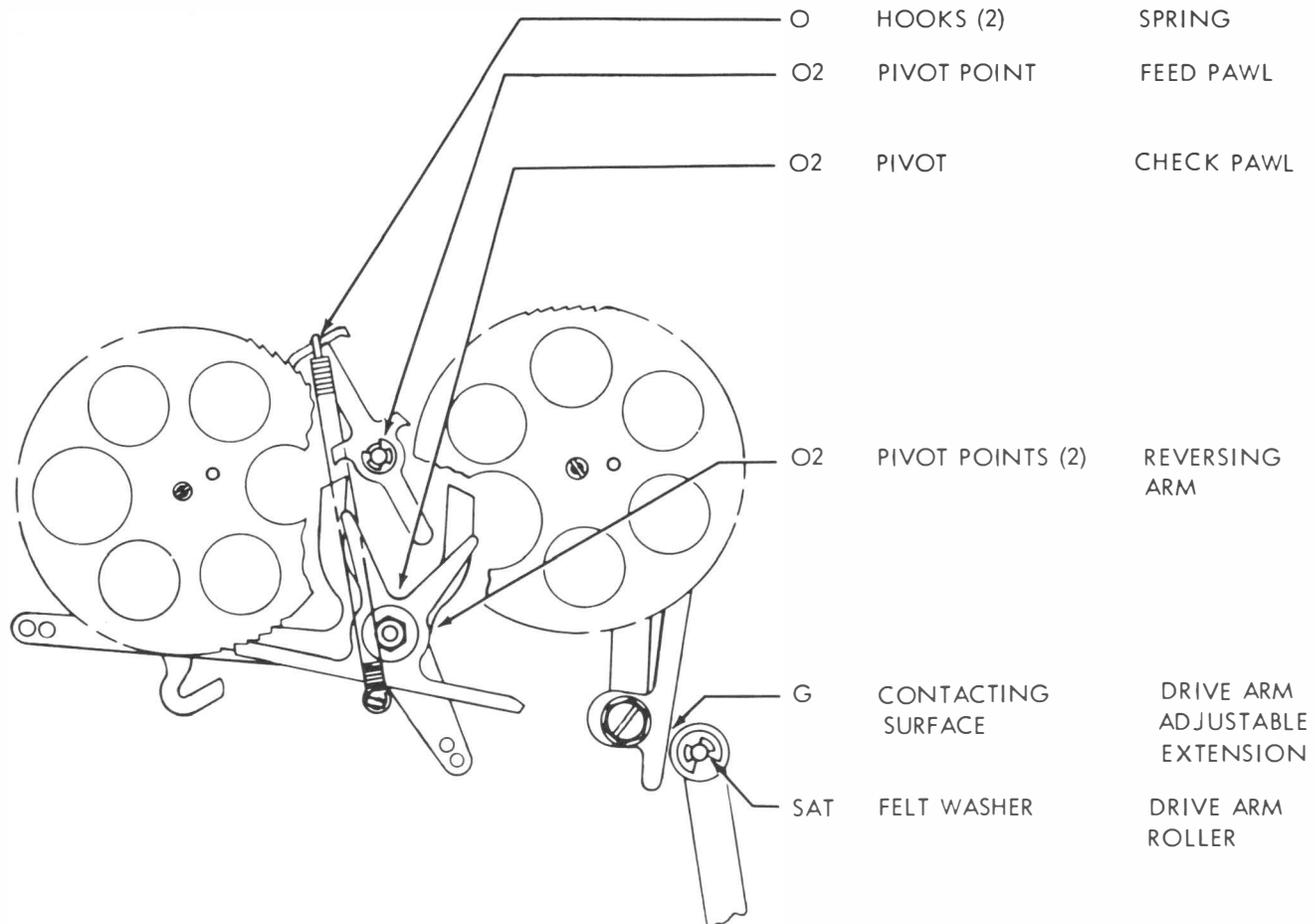
*Whichever comes first.

2. BASIC UNIT

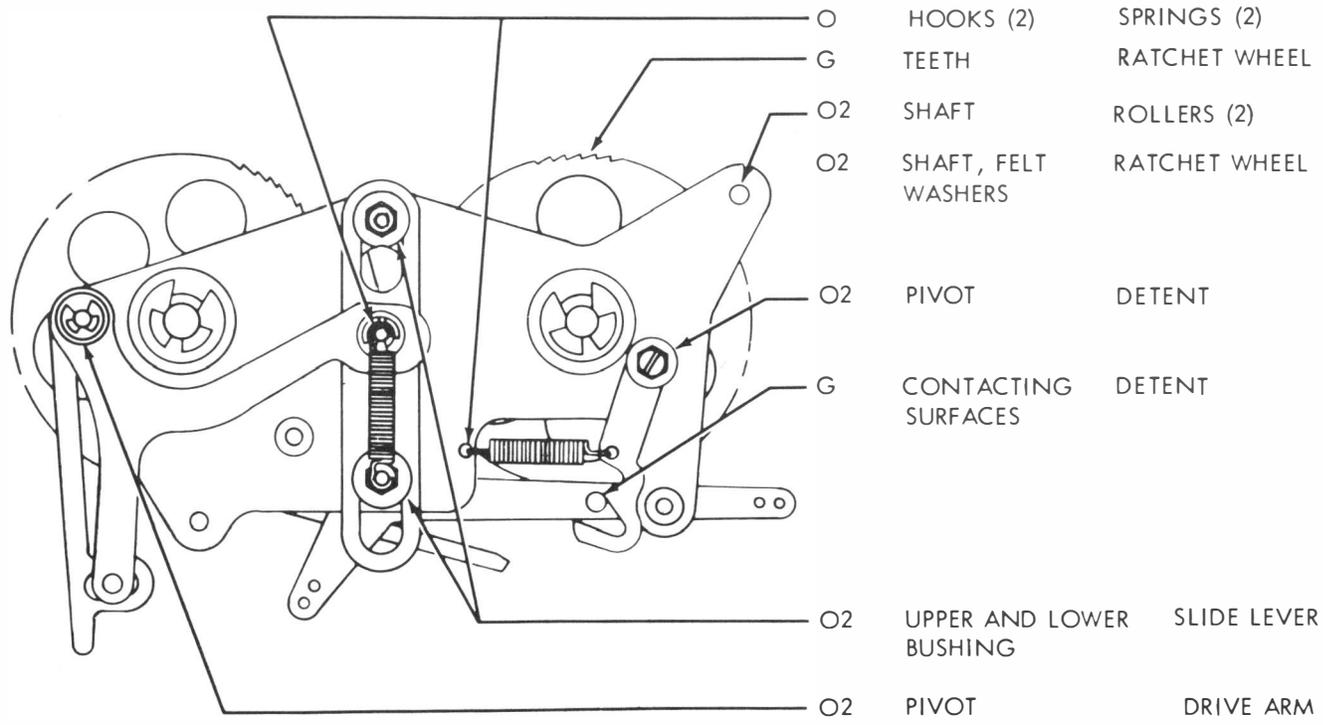
2.01 Tape Printer (Left Front View)



2.02 Ribbon Feed Mechanism

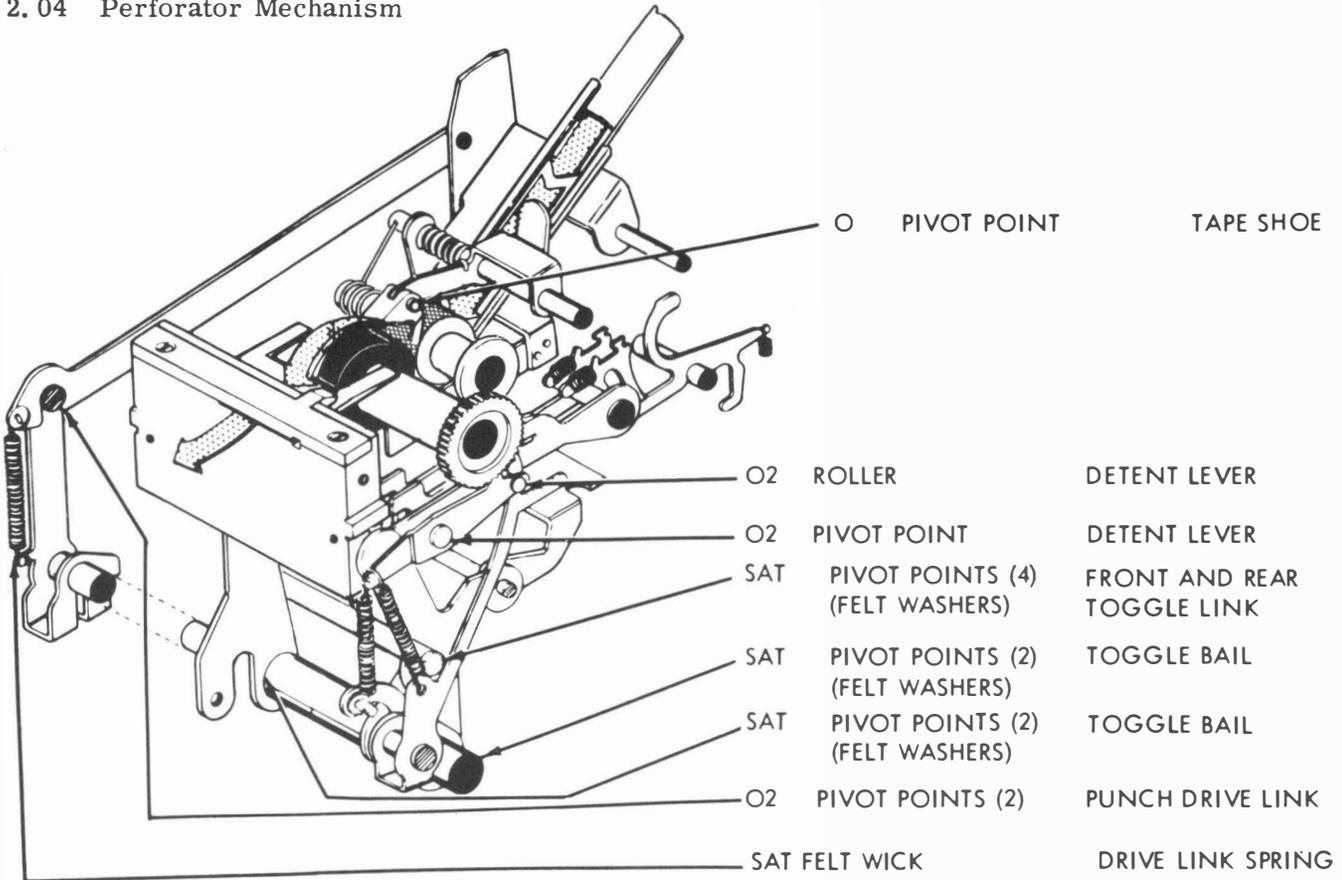


2.03 Ribbon Feed Mechanism cont.

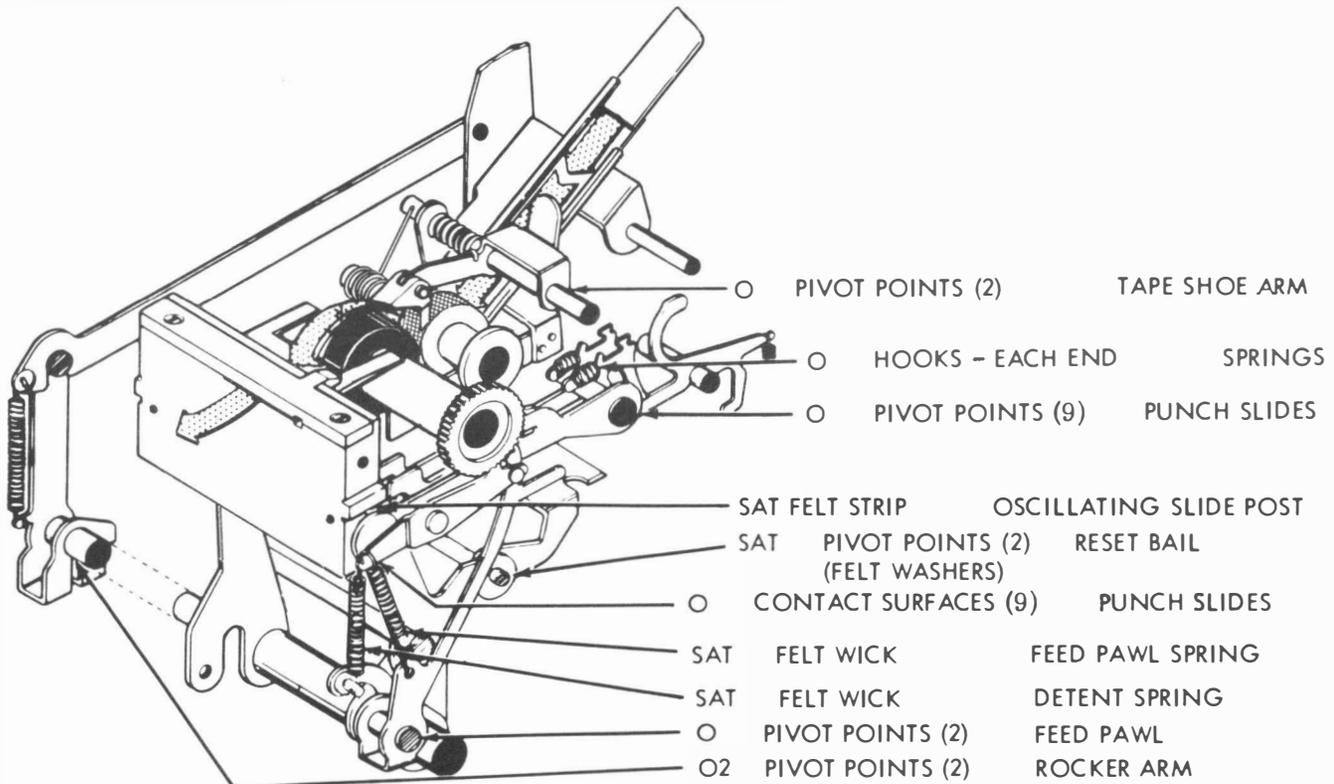


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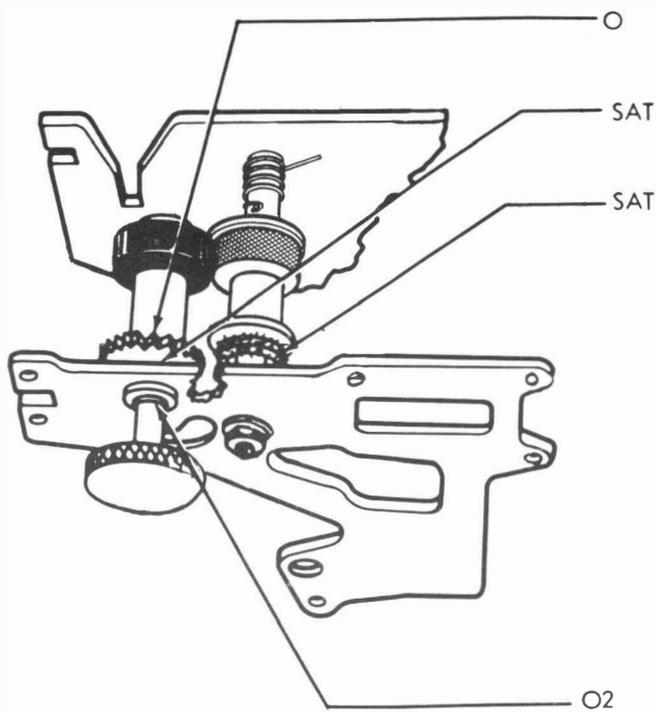
2.04 Perforator Mechanism



2.05 Perforator Mechanism (Cont.)



2.06 Feed Mechanism



RATCHET TEETH (2) FEED WHEEL

PIVOT POINT (FELT WASHER) FEED WHEEL

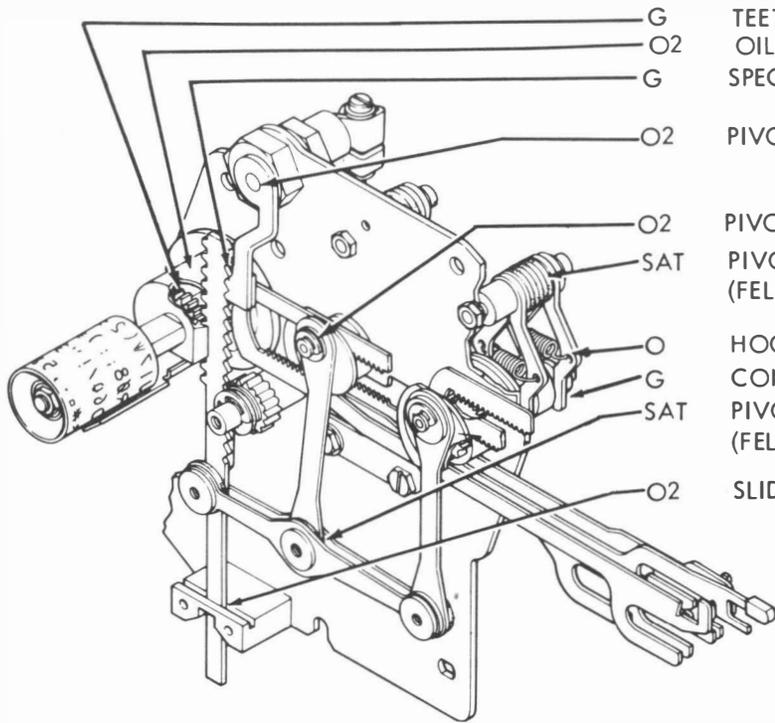
PIVOT POINT (FELT WASHER) DIE WHEEL

NOTE: FEED AND PRESSURE WHEEL AREAS MUST BE FREE OF OIL.



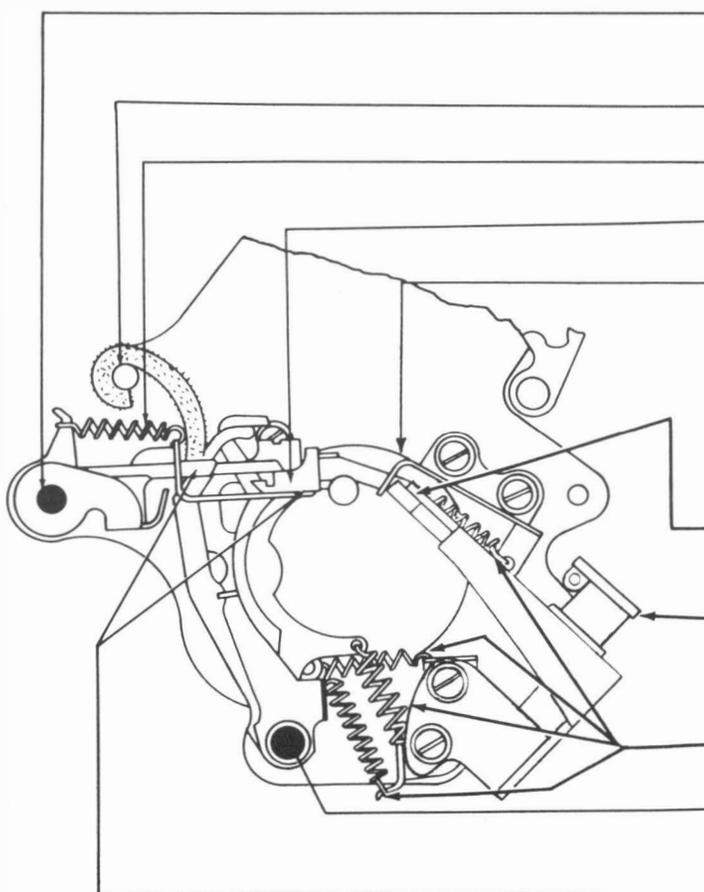
PIVOT POINTS (2) HANDWHEEL BEARING

→ 2.07 Rotary Positioning Mechanism



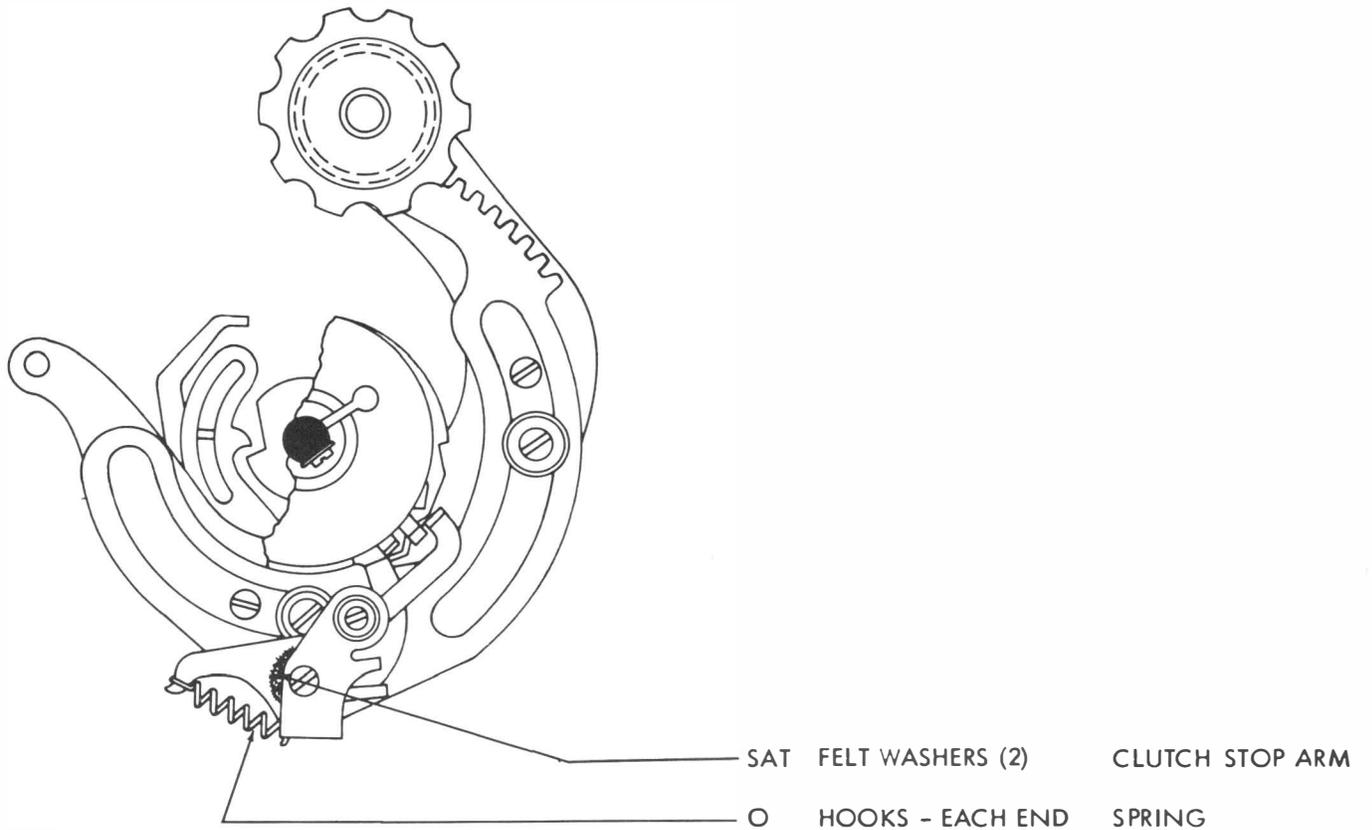
- | | | |
|-----|---------------------------------|-------------------------------|
| G | TEETH | ROTARY OUTPUT RACK |
| O2 | OIL HOLE | TYPE WHEEL HOUSING |
| G | SPECIAL TEETH | ROTARY OUTPUT RACK |
| O2 | PIVOT POINT | ROTARY CORRECTING LEVER |
| O2 | PIVOT POINTS (2) | ROTARY CORRECTING LEVER SHAFT |
| SAT | PIVOT POINTS (FELT WASHERS) | CONNECTING RODS |
| O | HOOKS - EACH END | DETENT LEVERS (8) |
| G | CONTACT POINTS | DETENT LEVERS (8) |
| SAT | PIVOT POINTS (3) (FELT WASHERS) | CROSS LINKS |
| O2 | SLIDING SURFACE | ROTARY OUTPUT RACK |

→ 2.08 Selecting Mechanism

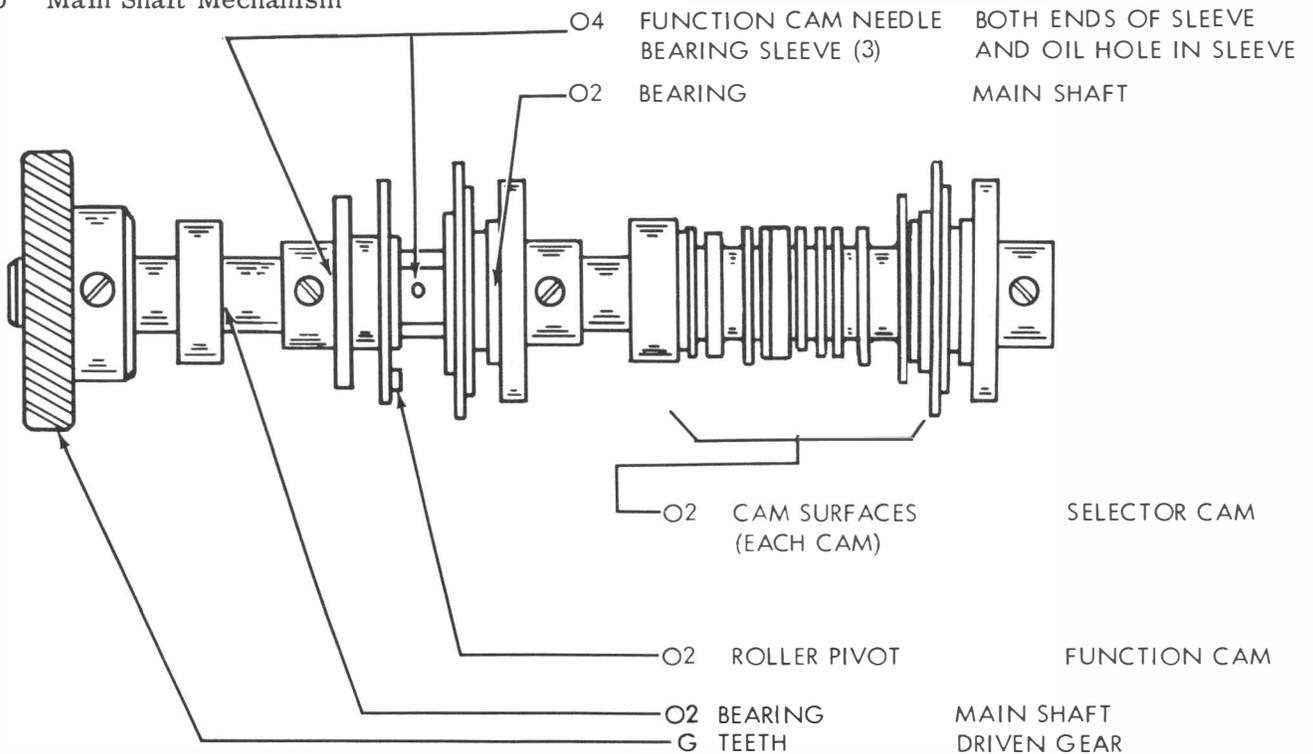


- | | | |
|-----|-------------------------|-------------------------------|
| O2 | BEARING GUIDE SLOTS (5) | PUSH LEVER GUIDE |
| SAT | FELT WICK | SELECTOR WICK |
| O | HOOKS - EACH END (12) | SPRINGS |
| O2 | ENGAGING SURFACES (5) | PUSH LEVERS |
| O2 | GUIDE SLOT | MARKING LOCK - LEVER |
| O2 | WICK | LUBRICATOR WICK |
| | FILL UP (AVOID AIRLOCK) | LUBRICATOR RESERVOIR |
| O | HOOKS - EACH END (12) | SPRINGS |
| O2 | BEARING GUIDE SLOTS (6) | SELECTOR LEVER GUIDE |
| O2 | GUIDE SLOTS | SELECTOR AND PUSH LEVER GUIDE |

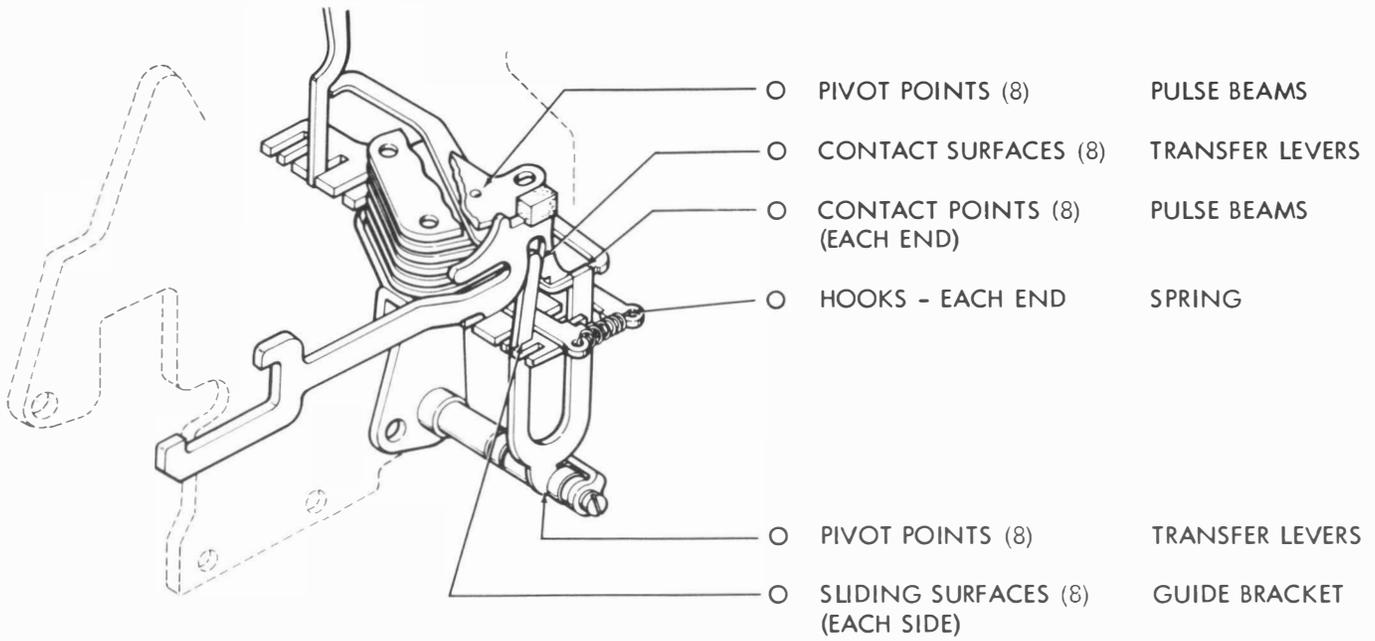
2.09 Range Finder Mechanism



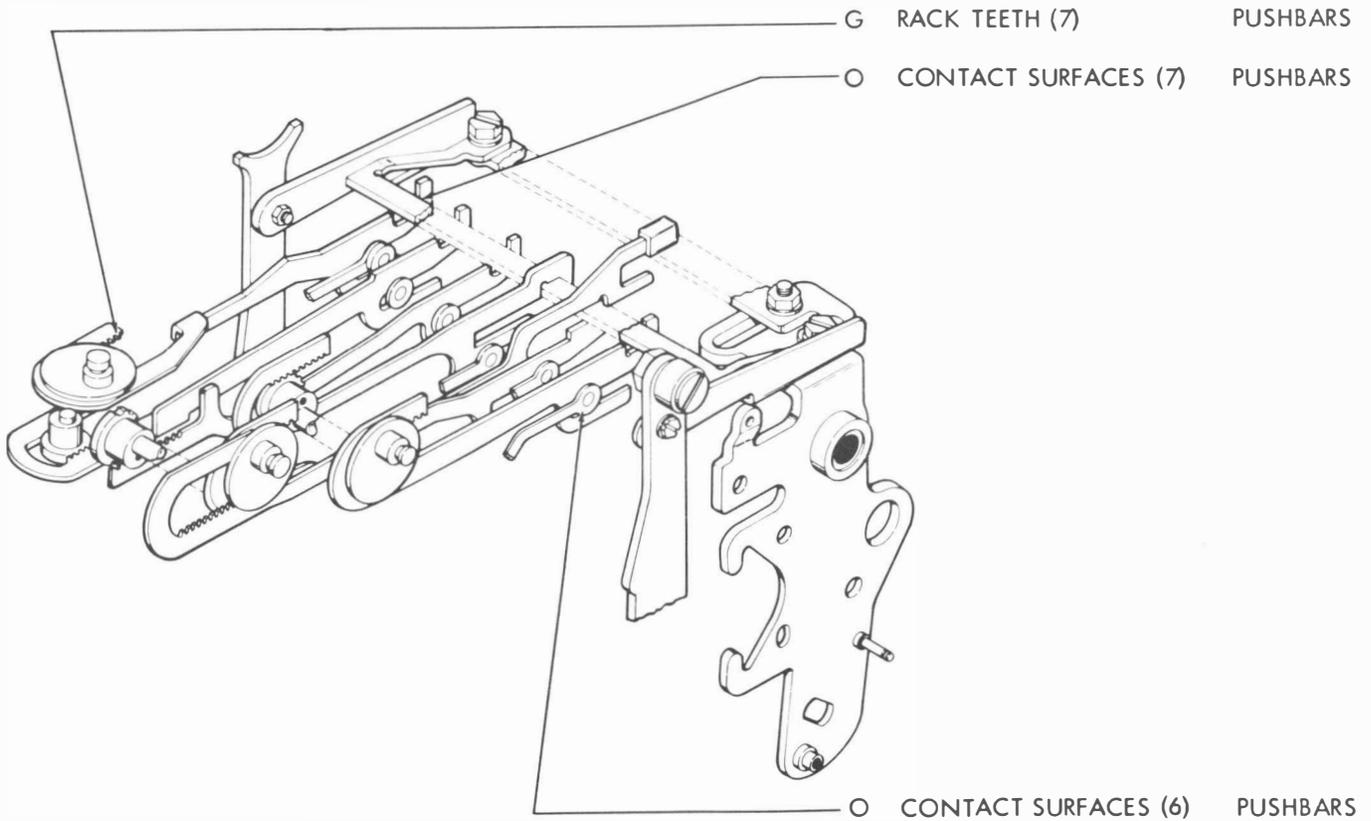
2.10 Main Shaft Mechanism



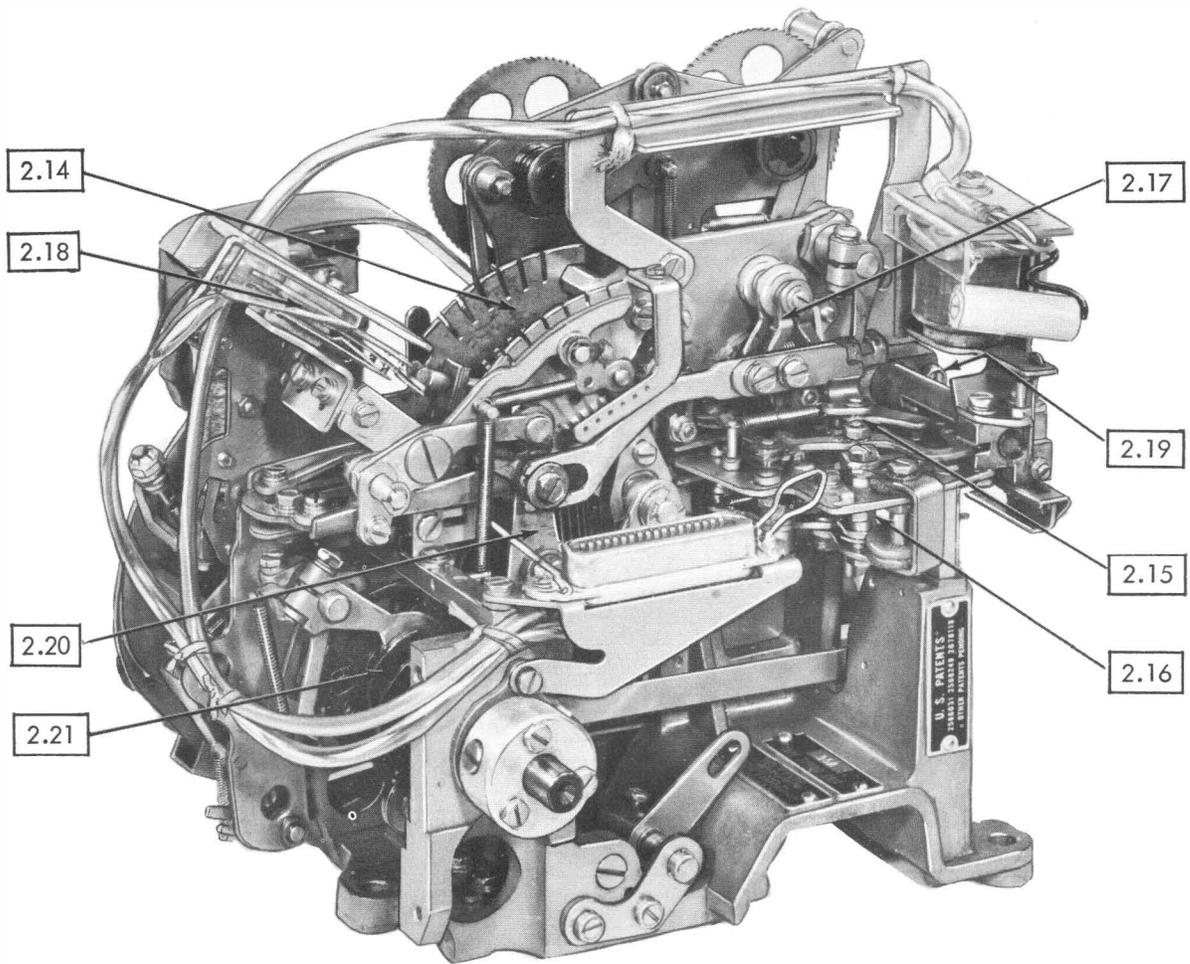
→ 2.11 Transfer Mechanism



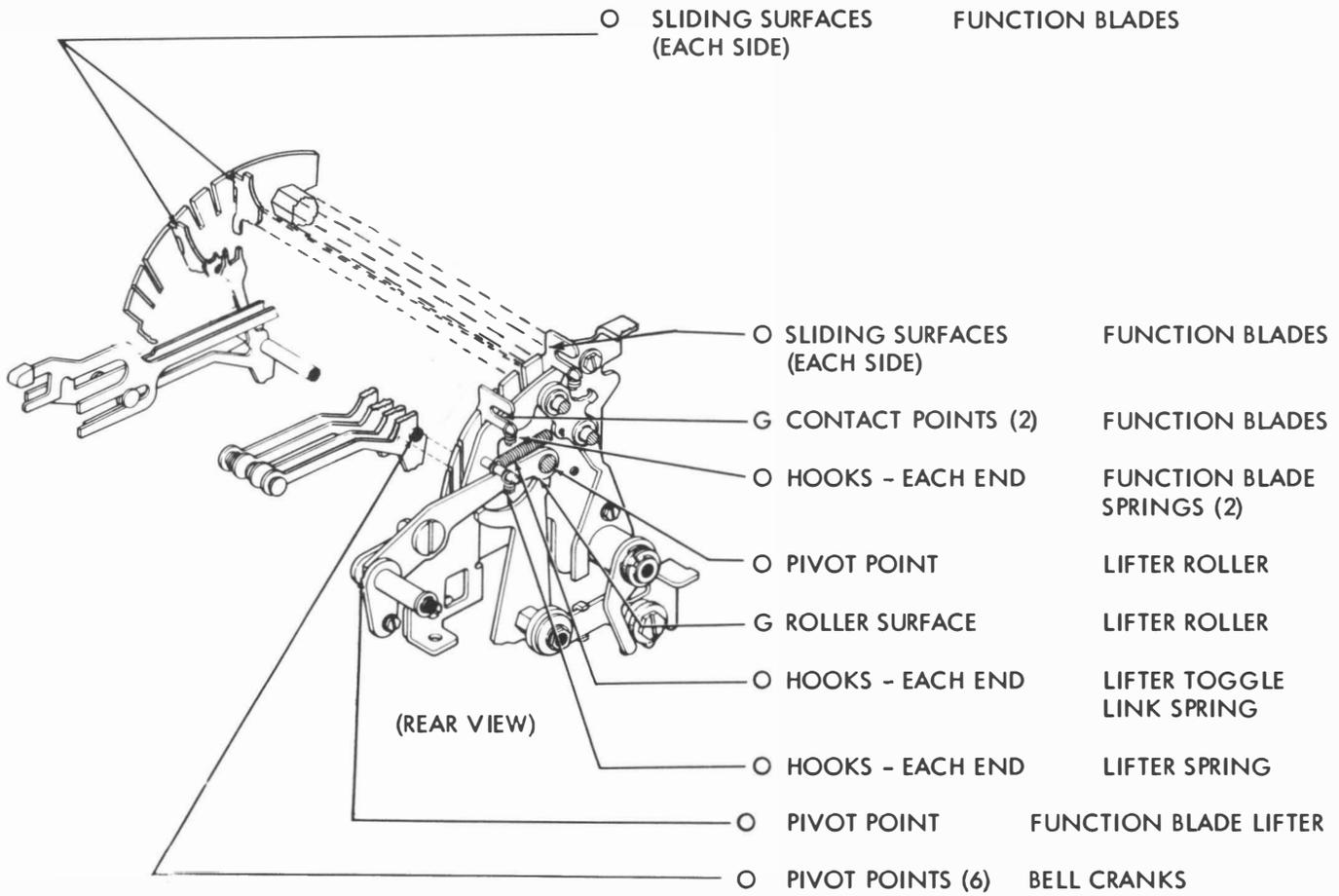
→ 2.12 Pushbars



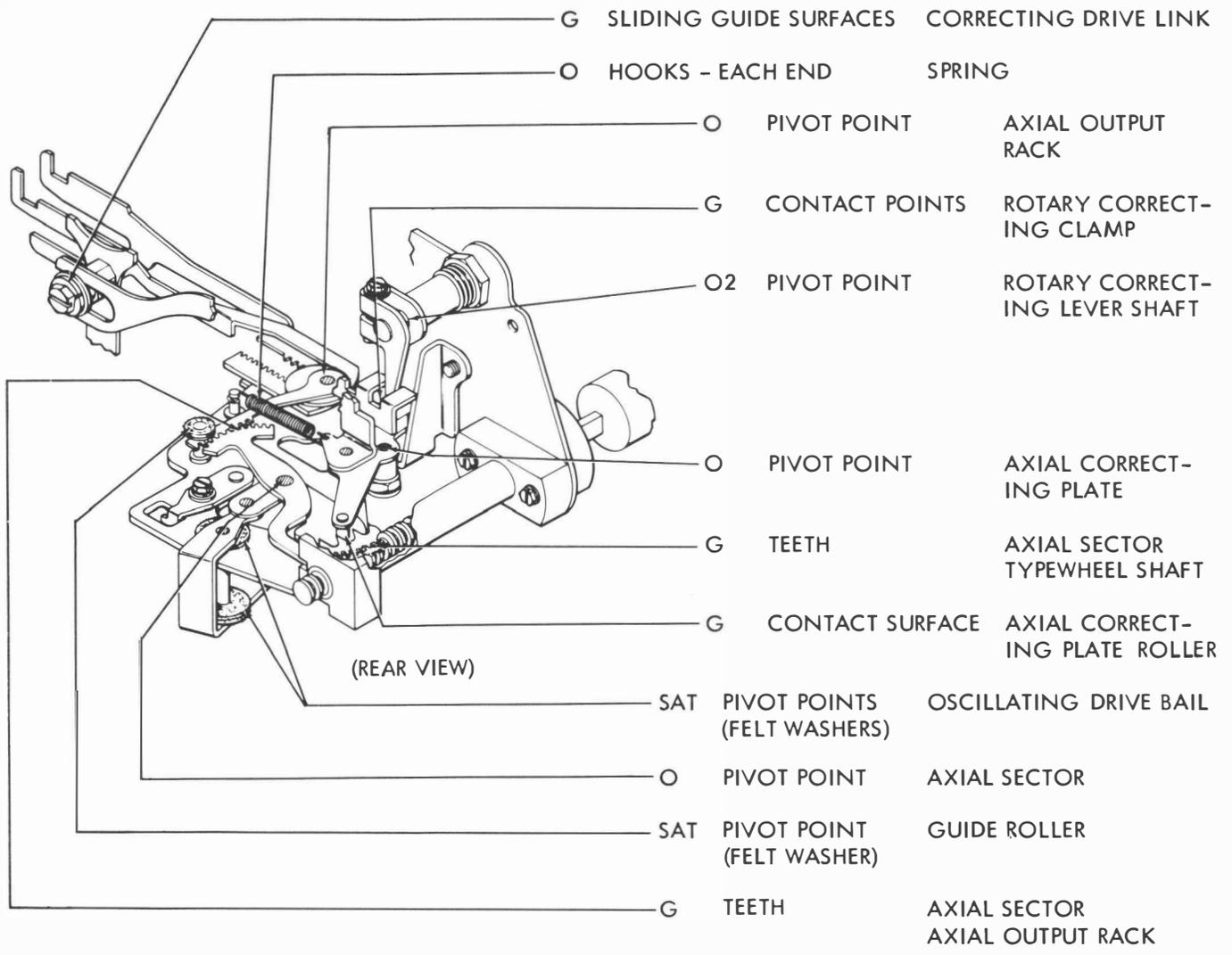
2.13 Tape Printer (Right Rear View)



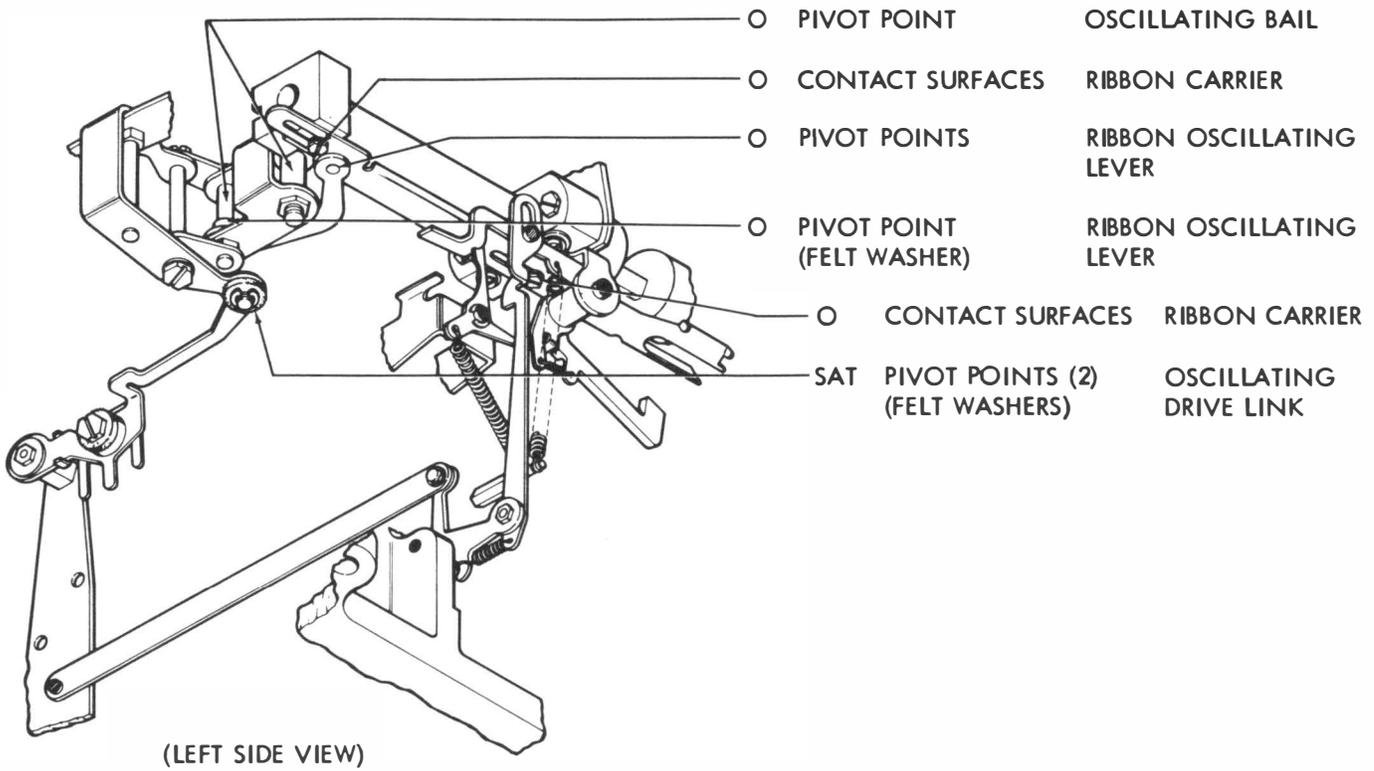
→ 2.14 Function Box



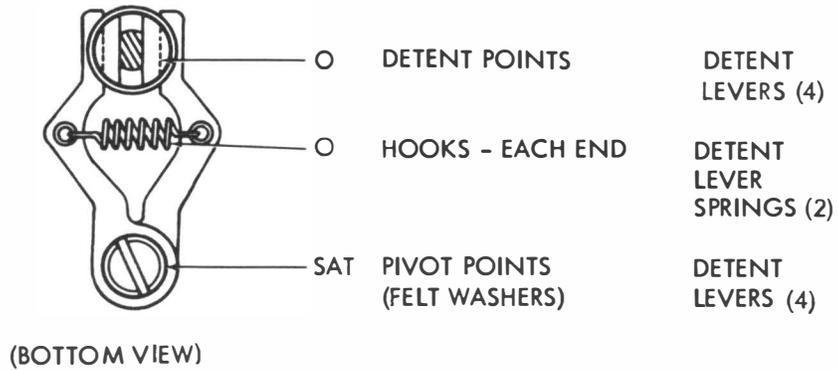
2.15 Axial Positioning Mechanism



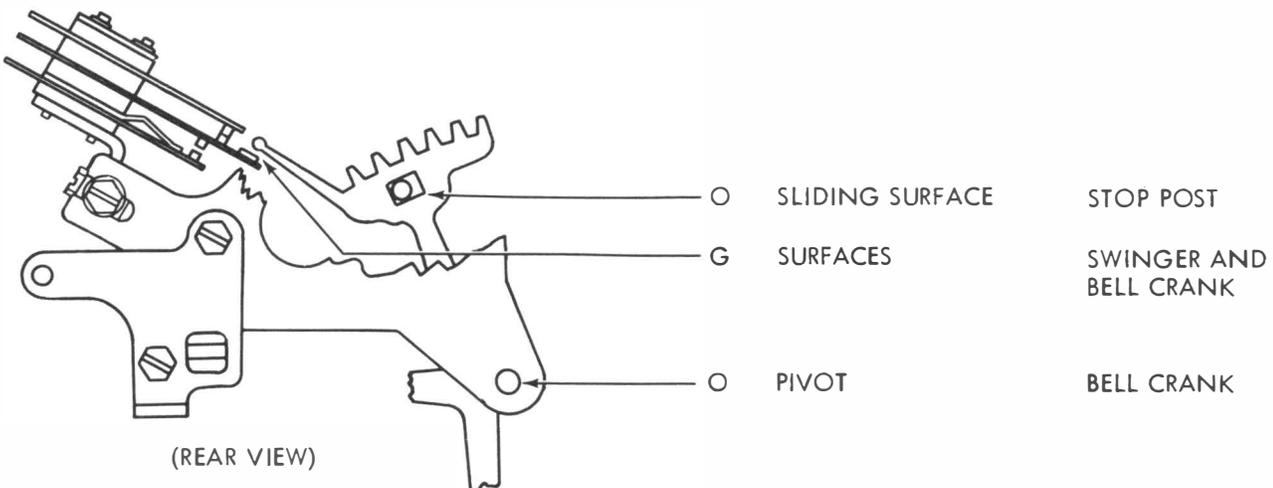
→ 2.16 Axial Positioning Mechanism cont.



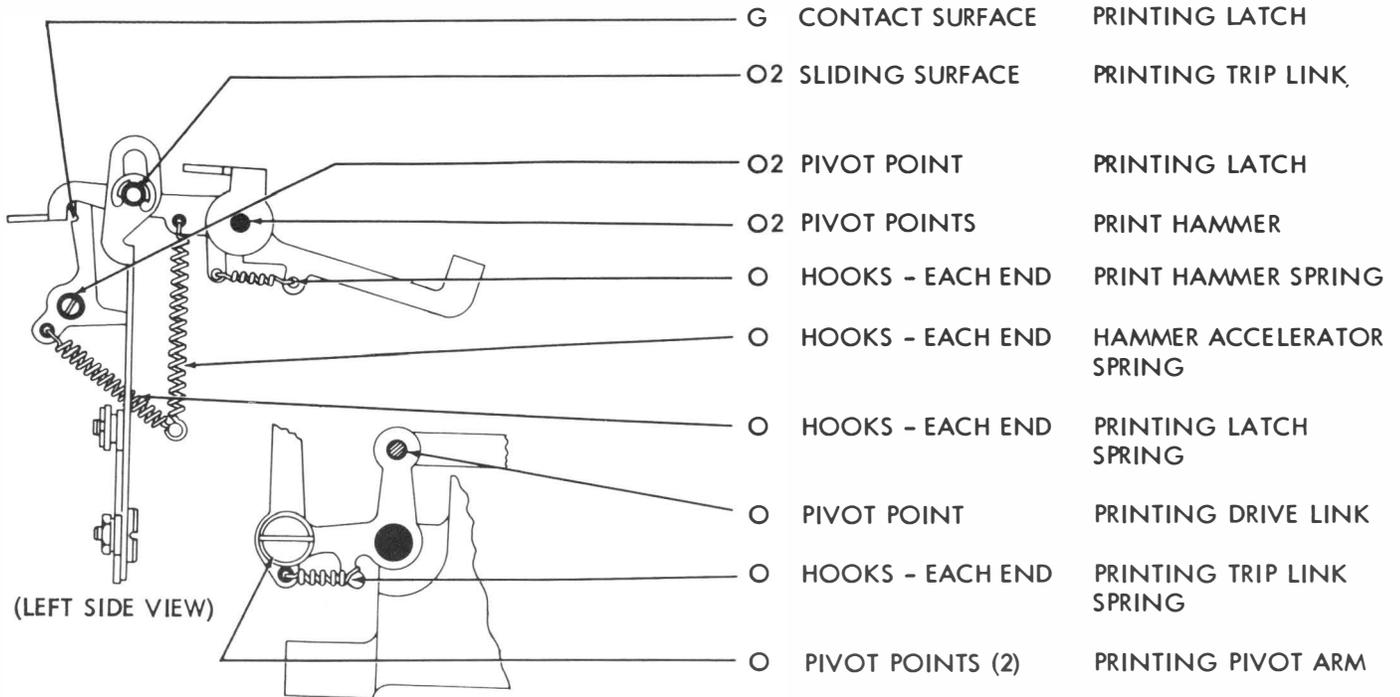
→ 2.17 Detent Assemblies



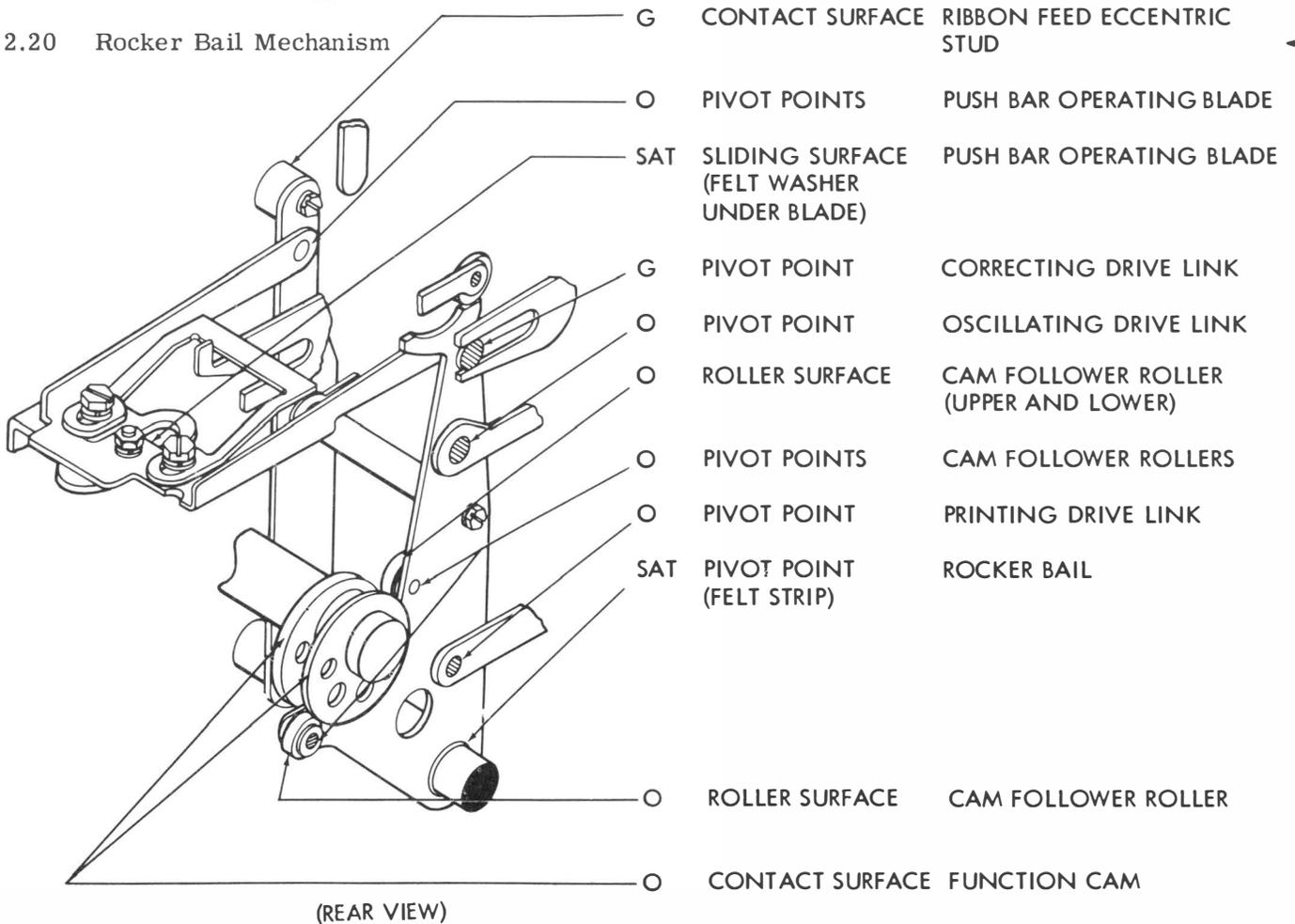
→ 2.18 Ribbon Shift Contact



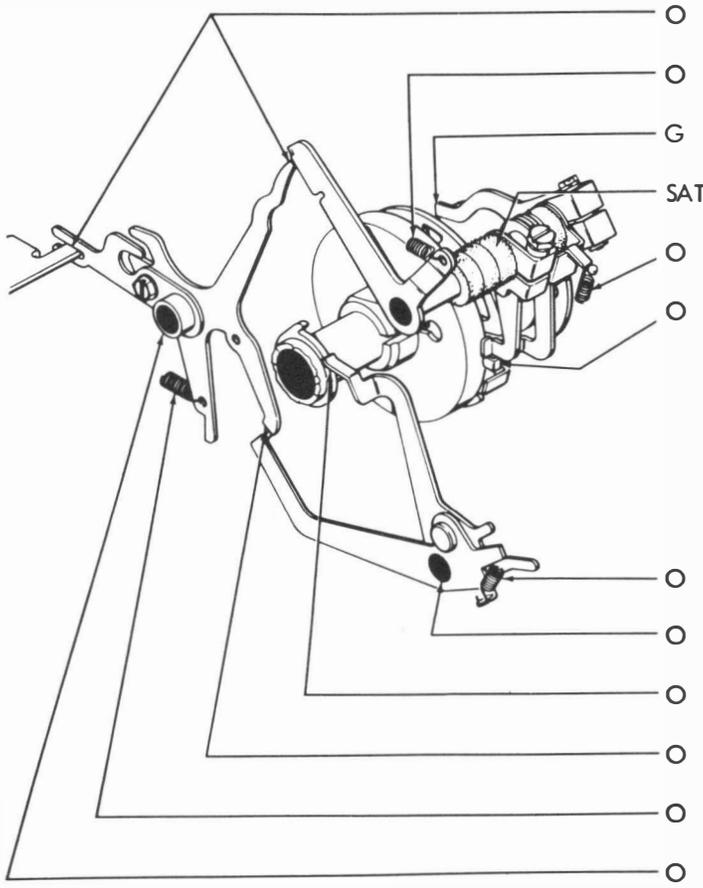
2.19 Printing Mechanism



2.20 Rocker Bail Mechanism

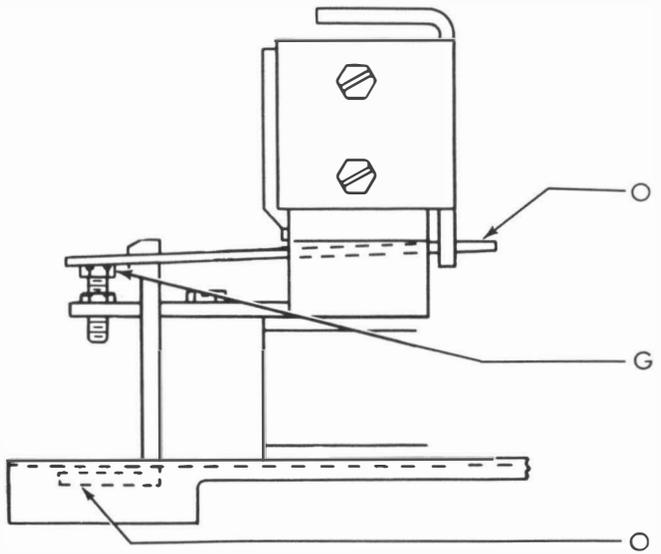


→ 2.21 Function Cam-Clutch Trip Mechanism



- O CONTACT POINTS (2) MAIN TRIP LEVER
- O HOOKS - EACH END CLUTCH RELEASE SPRING
- G CONTACT SURFACE RESET LEVER
- SAT FELT WASHERS CLUTCH TRIP SHAFT
- O HOOKS - EACH END LATCHLEVER SPRING
- O CONTACT SURFACE CLUTCH STOP LUG
- O HOOKS - EACH END FOLLOWER LEVER SPRING
- O PIVOT POINT TRIP CAM FOLLOWER LEVER
- O CONTACT SURFACE TRIP CAM FOLLOWER LEVER
- O CONTACT POINT MAIN TRIP LEVER
- O HOOKS - EACH END MAIN TRIP LEVER SPRING
- O PIVOT POINT MAIN TRIP LEVER

→ 2.22 Ribbon Shift Magnet



- O PIVOT POINT ARMATURE HINGE
- G CONTACT POINT DOWNSTOP
- O CONTACT SURFACES BLOCKING LINK

3. VARIABLE FEATURES

3.01 Manual Interfering Rubout Tape Feed-Out Mechanism

