35 TYPING REPERFORATOR

LUBRICATION

CONTENTS

1. GENERAL

1.01 This section is reissued to include additional lubrication procedures for the 35 typing reperforator. Arrows in the margins indicate changes and additions.

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

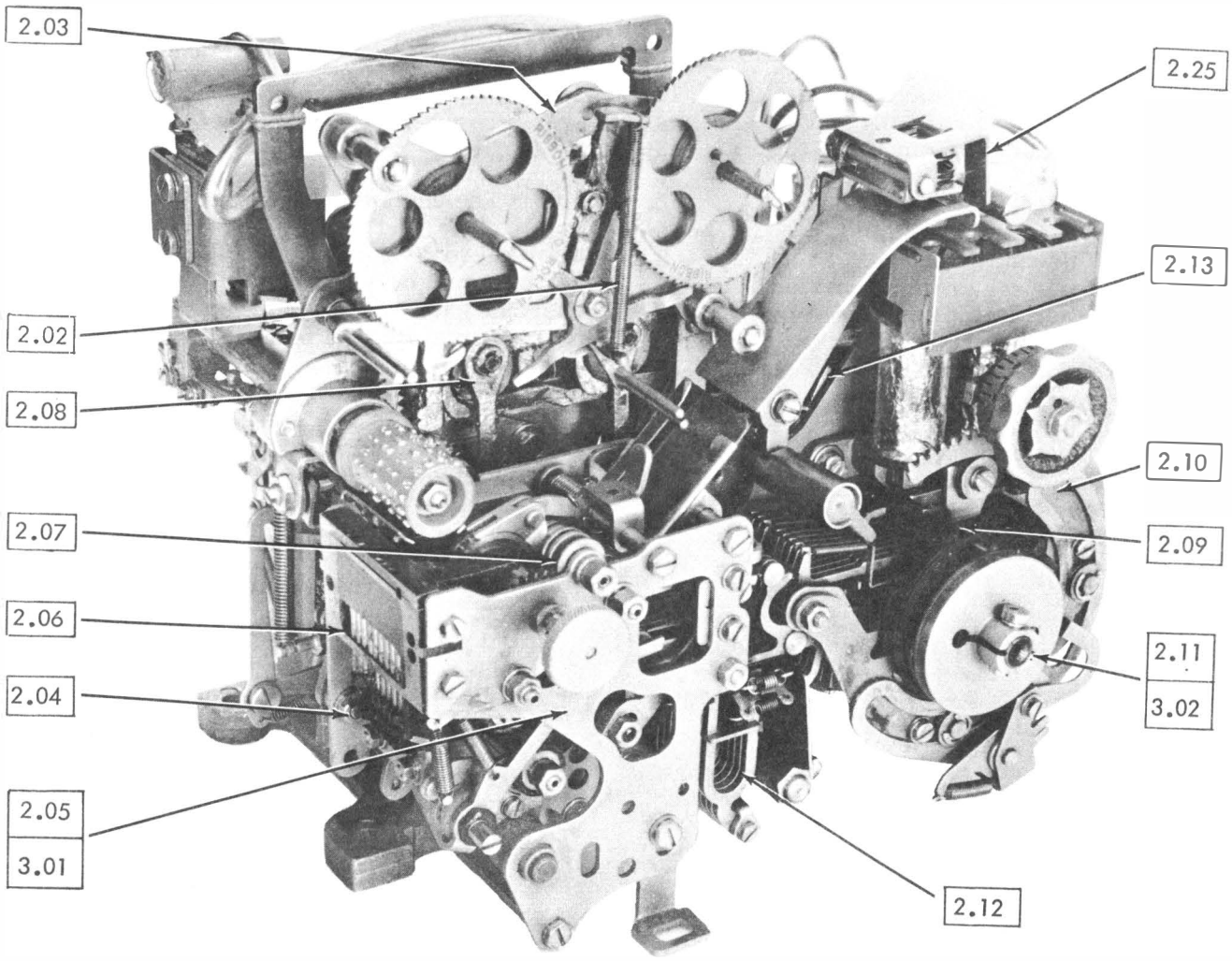
1.05 All equipment should be lubricated before being placed in service or prior to storage. After a few weeks of service, relubricate to make certain that all specified points have received lubricant. Thereafter, the following schedule should be adhered to:

Operating Speed	Lubrication Interval
60 W.P.M.	3000 hours or 1 year*
75 W.P.M.	2400 hours or 9 months*
100 W.P.M.	1500 hours or 6 months*

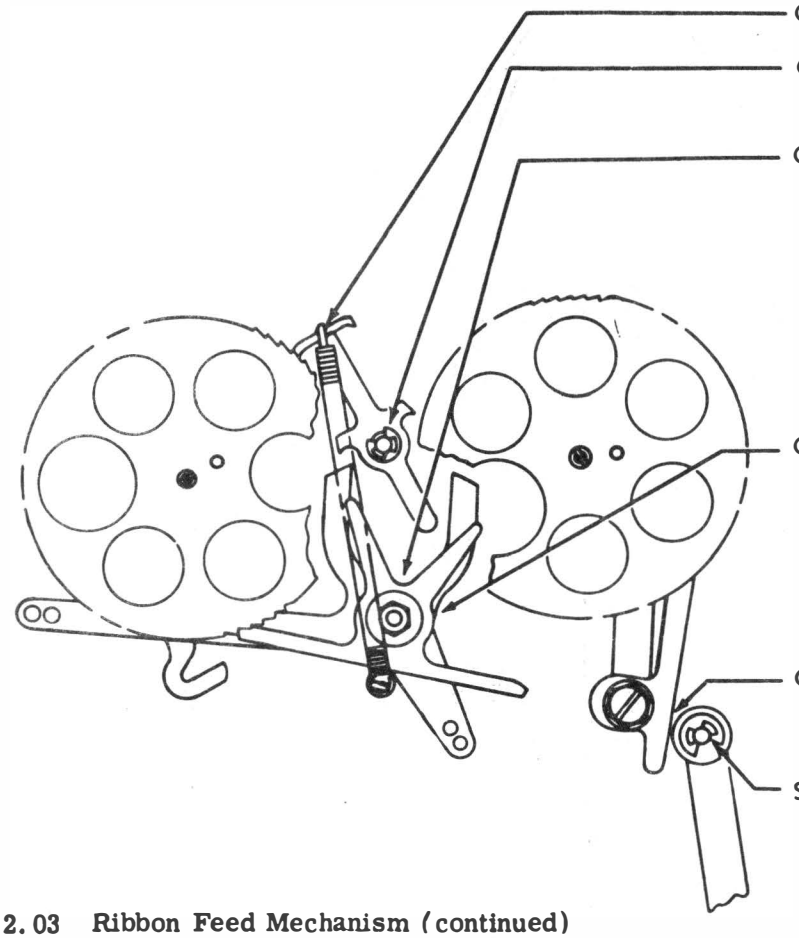
*Whichever occurs first.

2. BASIC UNIT

2.01 Typing Reperforator (Left Front View)

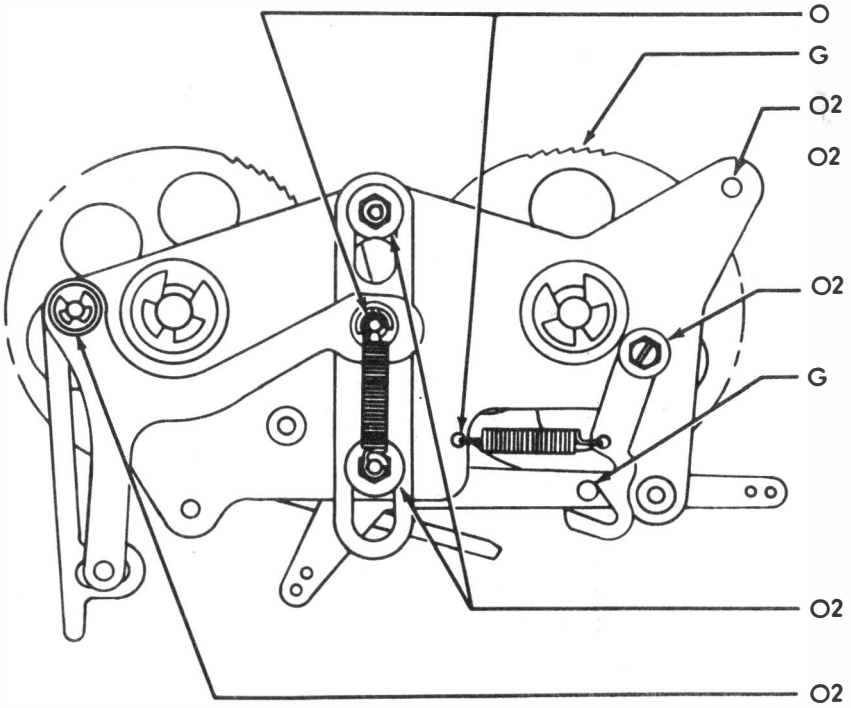


2.02 Ribbon Feed Mechanism



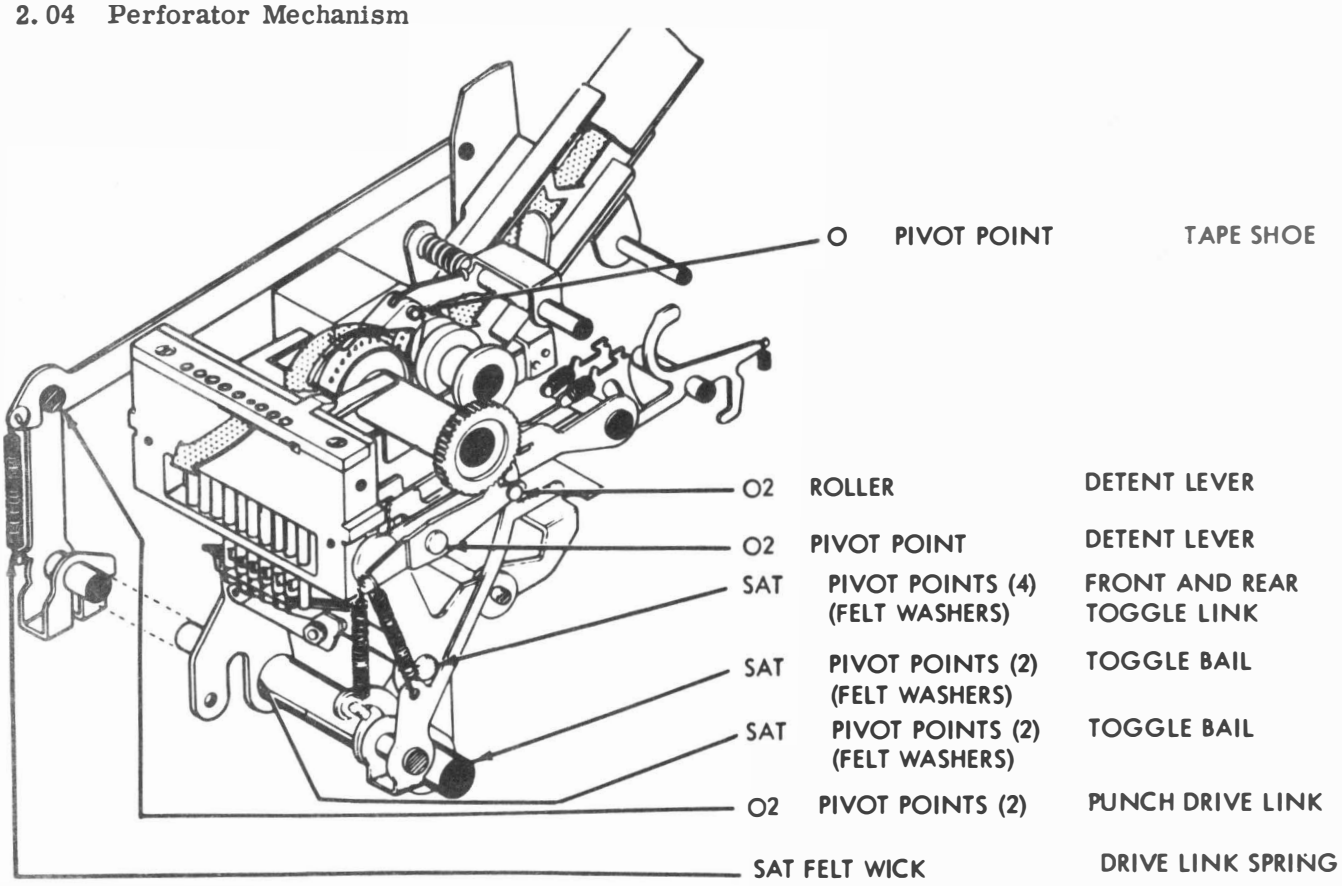
O	HOOKS (2)	SPRING
O2	PIVOT POINT	FEED PAWL
O2	PIVOT	CHECK PAWL
O2	PIVOT POINTS (2)	REVERSING ARM
G	CONTACTING SURFACE	DRIVE ARM ADJUSTABLE EXTENSION
SAT	FELT WASHER	DRIVE ARM ROLLER

2.03 Ribbon Feed Mechanism (continued)

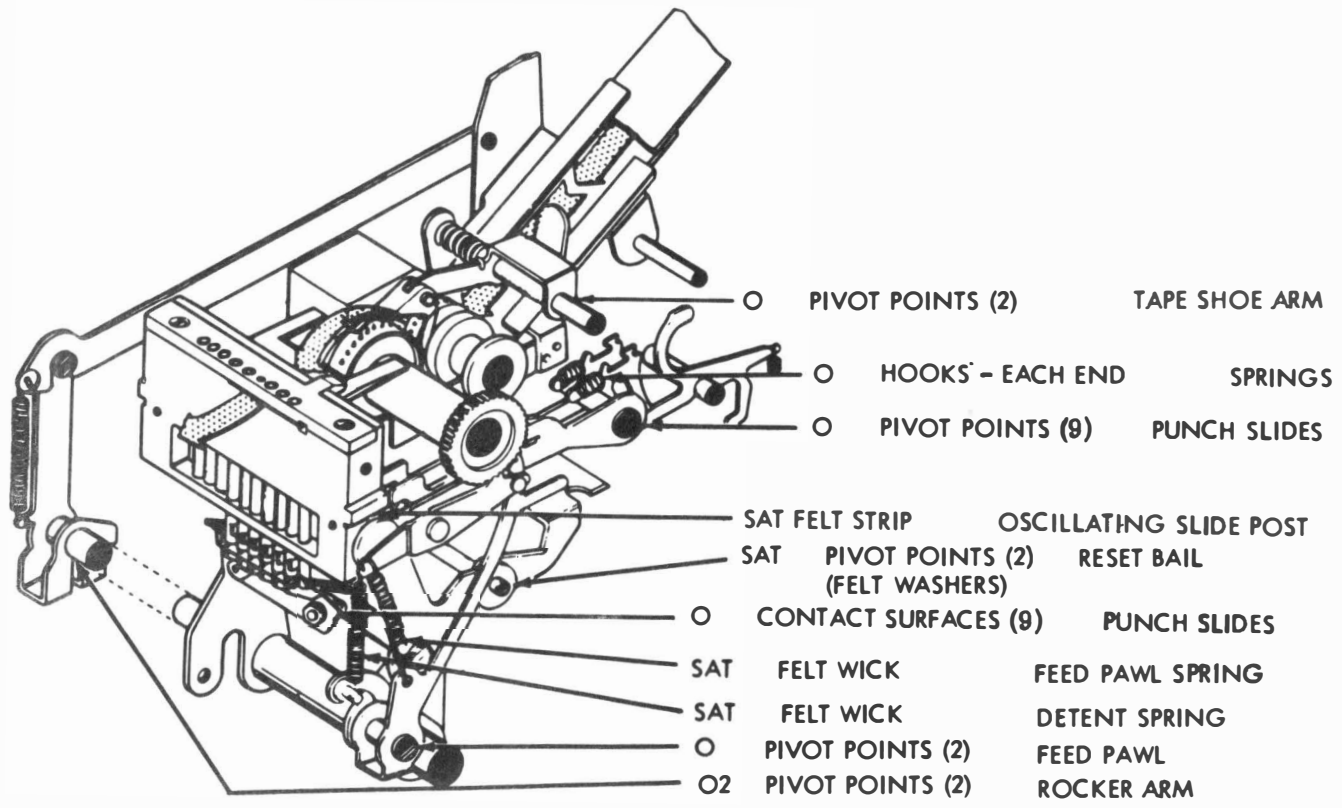


O	HOOKS (2)	SPRINGS (2)
G	TEETH	RATCHET WHEEL
O2	SHAFT	ROLLERS (2)
O2	SHAFT, FELT WASHERS	RATCHET WHEEL
O2	PIVOT	DETENT
G	CONTACTING SURFACES	DETENT
O2	UPPER AND LOWER BUSHING	SLIDE LEVER
O2	PIVOT	DRIVE ARM

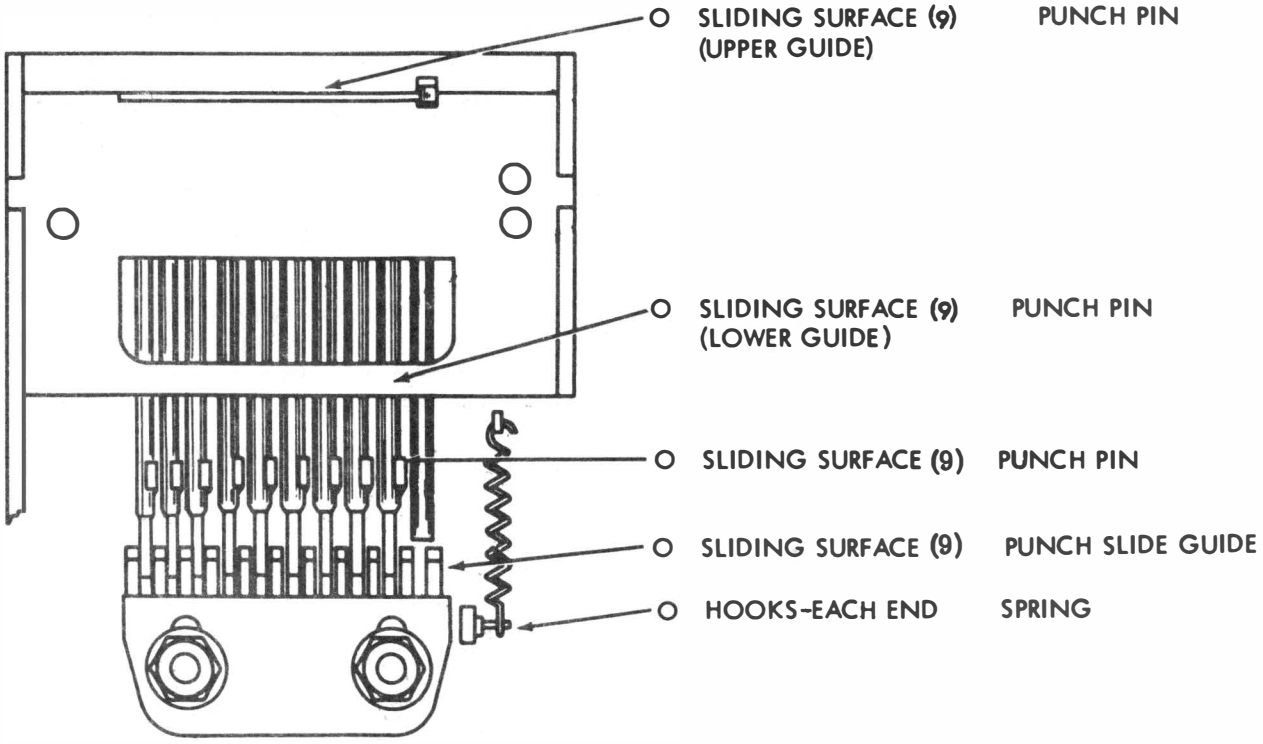
2.04 Perforator Mechanism



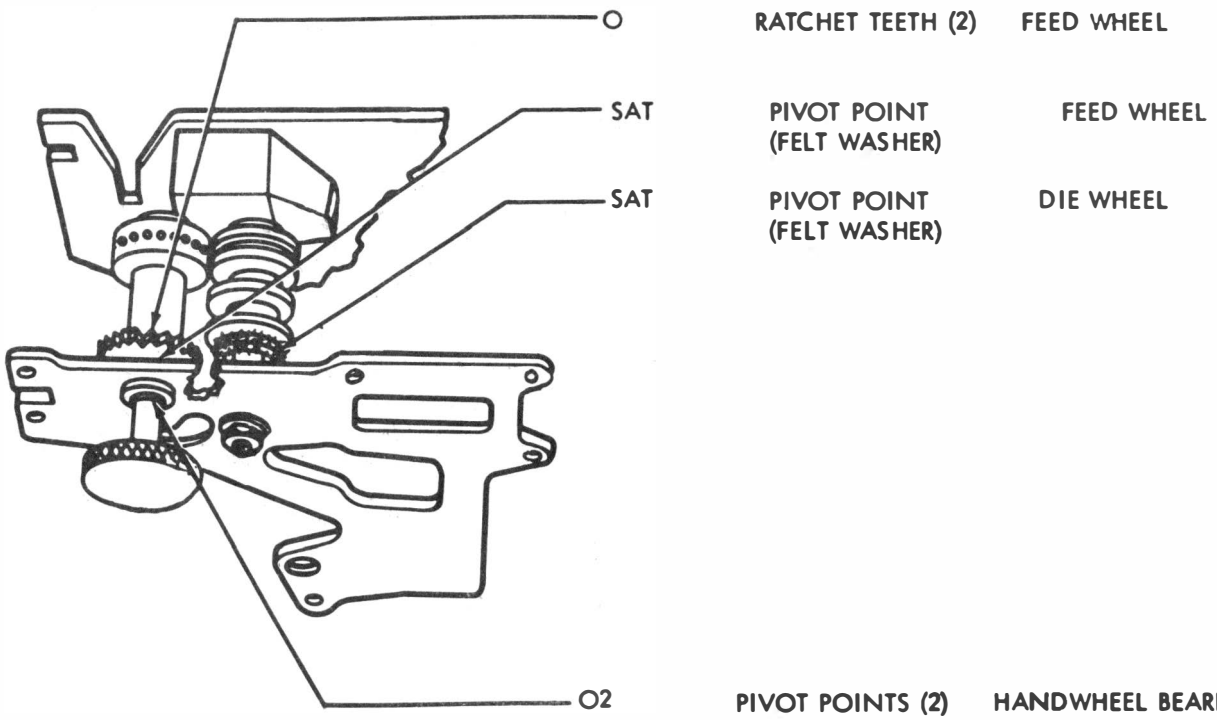
2.05 Perforator Mechanism (continued)



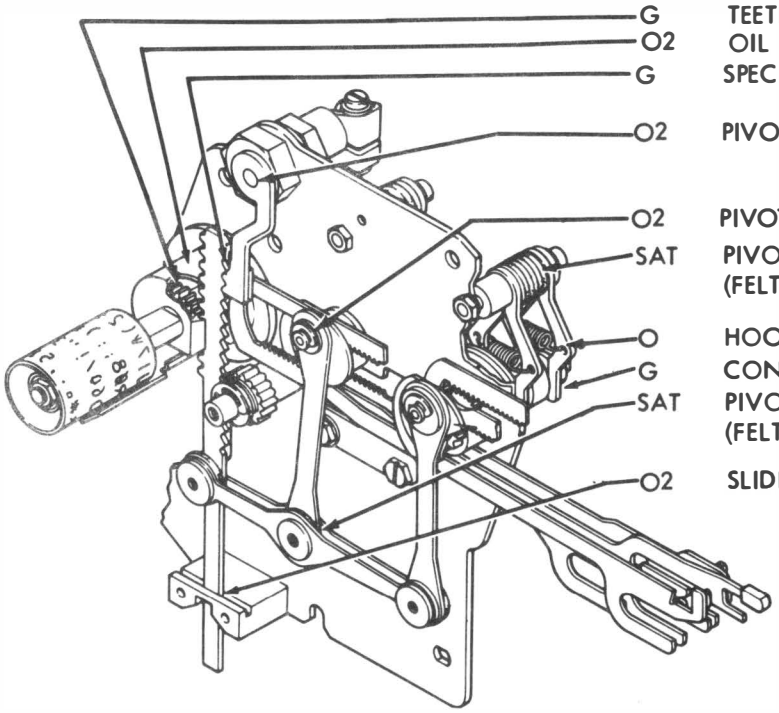
2.06 Punch Mechanism



2.07 Feed Mechanism

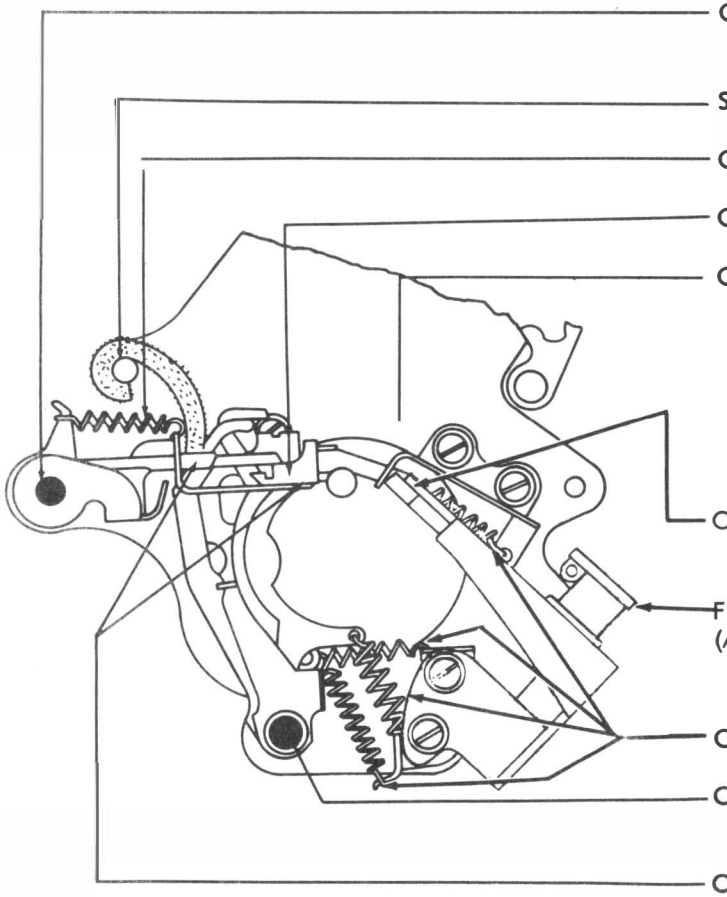


2.08 Rotary Positioning Mechanism



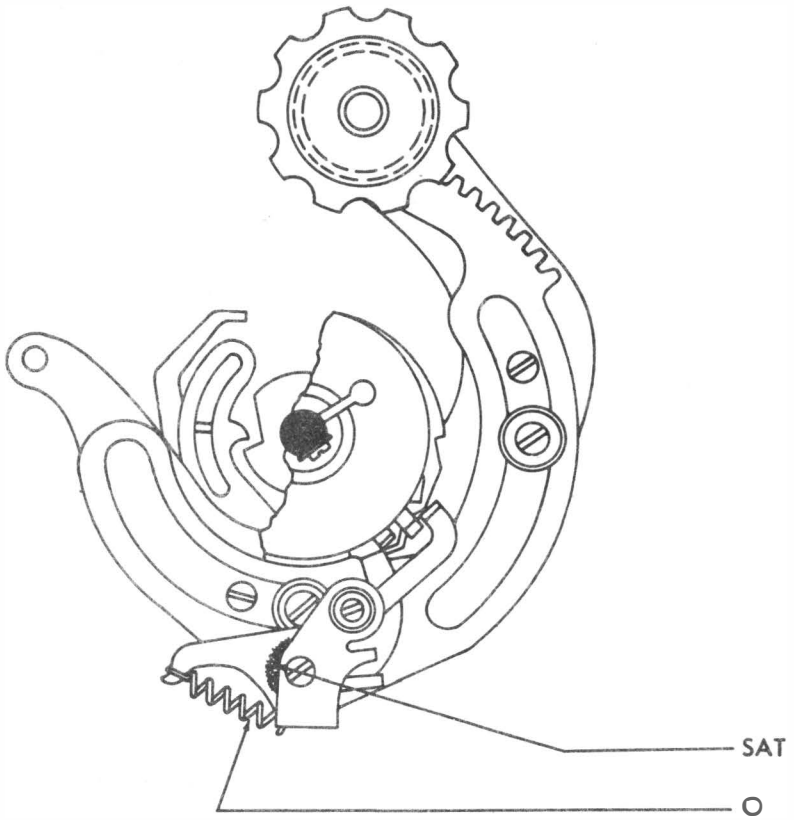
G	TEETH	ROTARY OUTPUT RACK
O2	OIL HOLE	TYPE WHEEL HOUSING
G	SPECIAL TEETH	ROTARY OUTPUT RACK
		ROTARY CORRECTING LEVER
O2	PIVOT POINT	ROTARY CORRECTING LEVER SHAFT
O2	PIVOT POINTS (2)	CONNECTING RODS
SAT	PIVOT POINTS (FELT WASHERS)	DETENT LEVERS (8)
O	HOOKS - EACH END	SPRINGS (4)
G	CONTACT POINTS	DETENT LEVERS (8)
SAT	PIVOT POINTS (3) (FELT WASHERS)	CROSS LINKS
O2	SLIDING SURFACE	ROTARY OUTPUT RACK

2.09 Selecting Mechanism



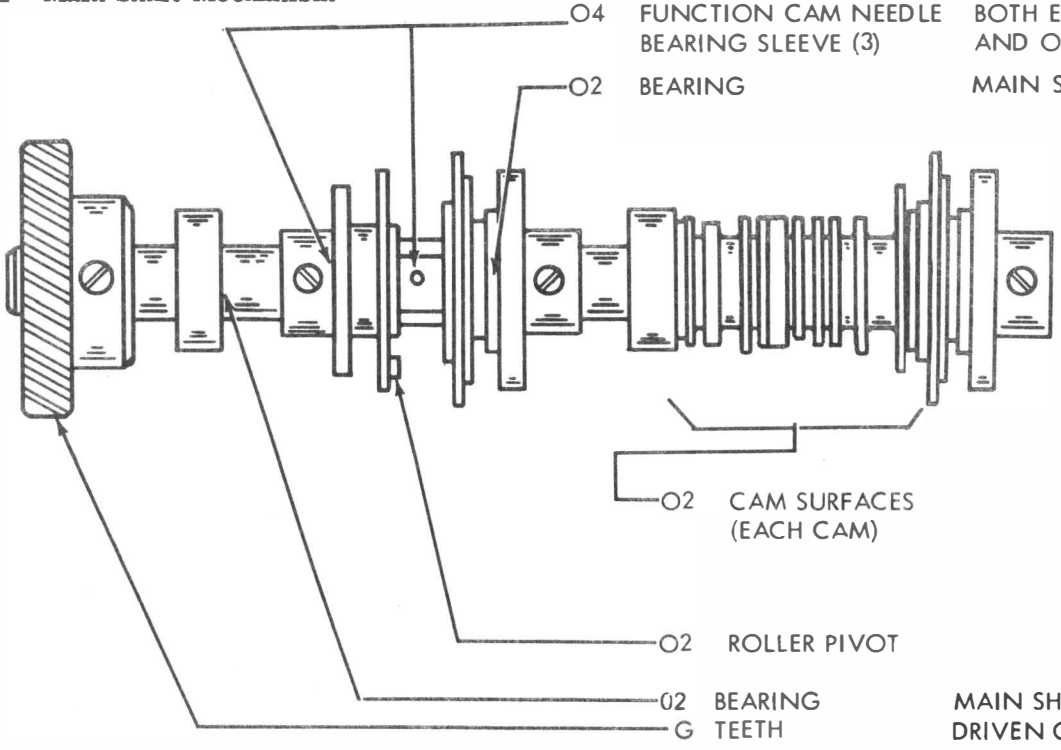
O2	BEARING GUIDE SLOTS (5)	PUSH LEVER GUIDE
SAT	FELT WICK	SELECTOR WICK
O	HOOKS - EACH END (12)	SPRINGS
O2	ENGAGING SURFACES (5)	PUSH LEVERS
O2	GUIDE SLOT	MARKING LOCK LEVER
O2	WICK	LUBRICATOR WICK
FILL UP (AVOID AIRLOCK)		LUBRICATOR RESERVOIR
O	HOOKS - EACH END (12)	SPRINGS
O2	BEARING GUIDE SLOTS (6)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

2.10 Range Finder Mechanism



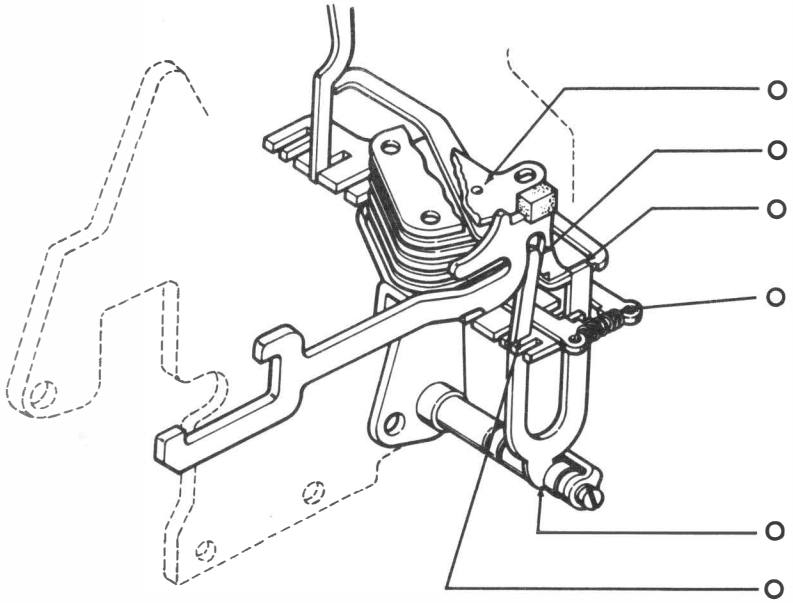
SAT	FELT WASHERS (2)	CLUTCH STOP ARM
O	HOOKS - EACH END	SPRING

2.11 Main Shaft Mechanism



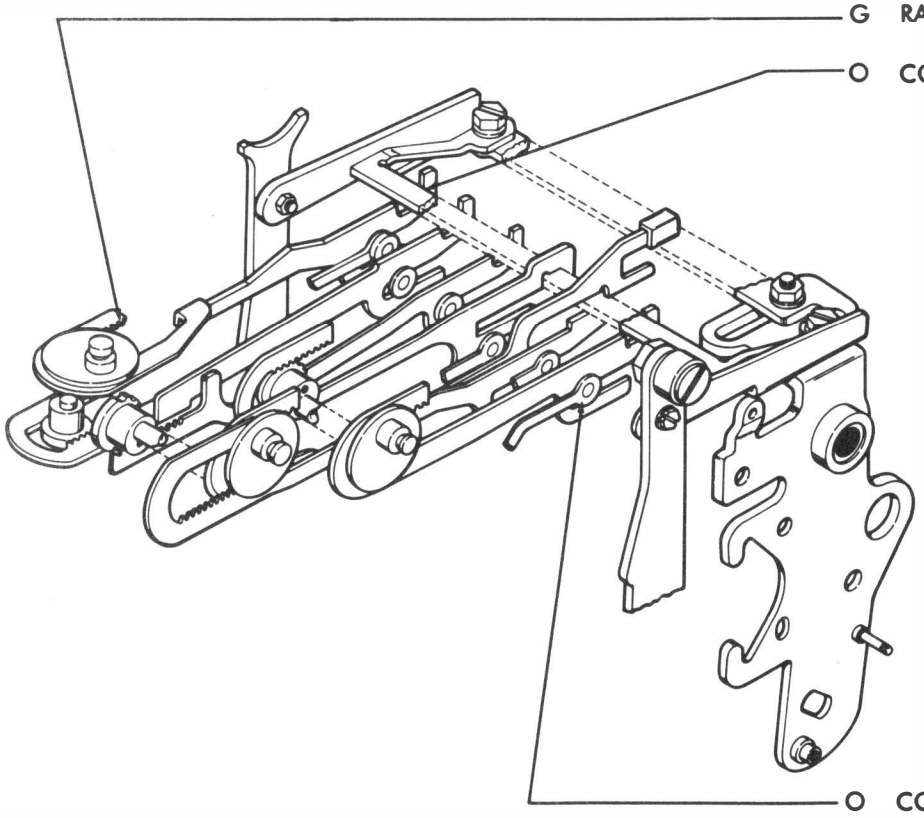
O4	FUNCTION CAM NEEDLE BEARING SLEEVE (3)	BOTH ENDS OF SLEEVE AND OIL HOLE IN SLEEVE
O2	BEARING	MAIN SHAFT
O2	CAM SURFACES (EACH CAM)	SELECTOR CAM
O2	ROLLER PIVOT	FUNCTION CAM
02	BEARING	MAIN SHAFT
G	TEETH	DRIVEN GEAR

2.12 Transfer Mechanism



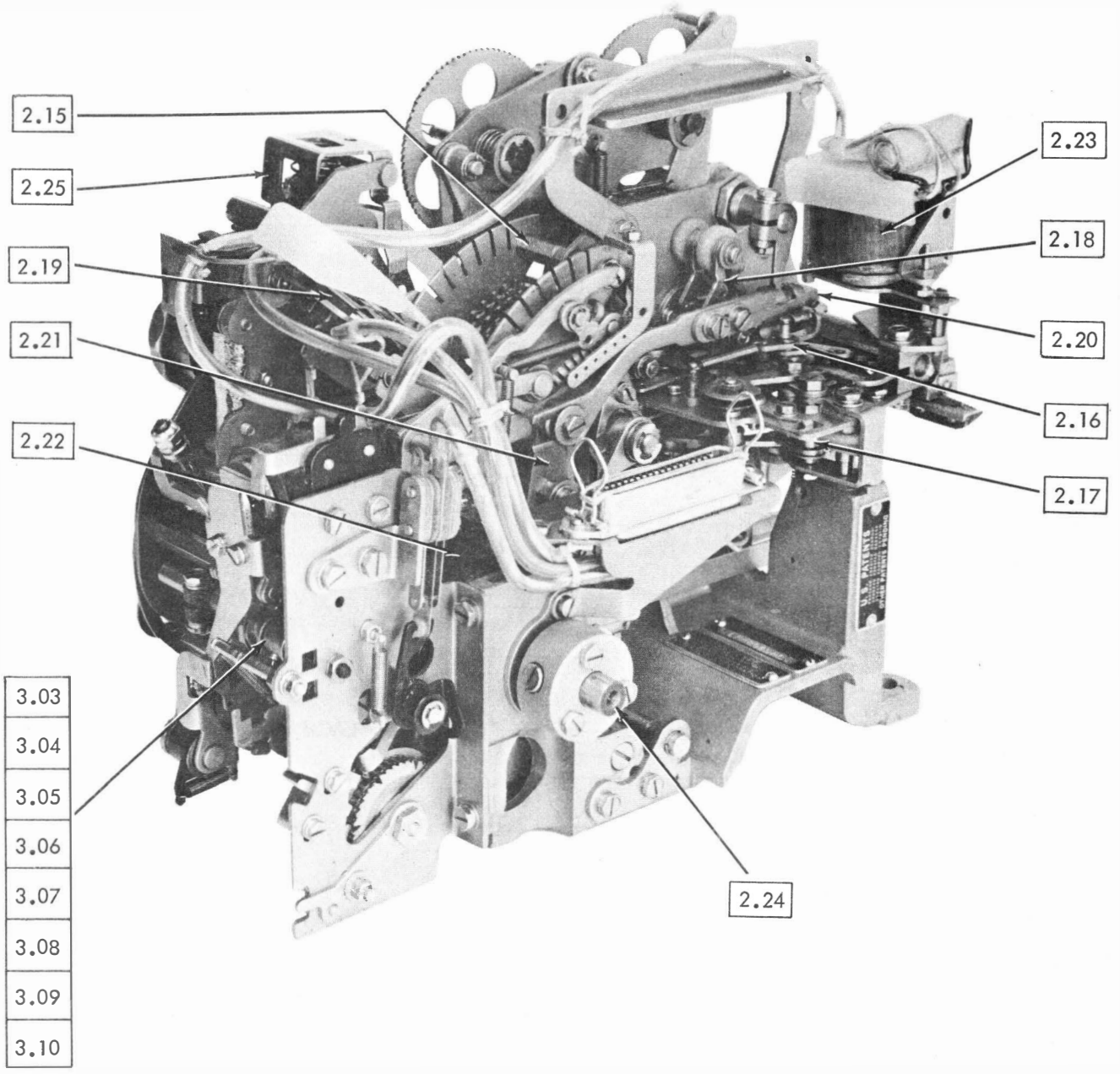
O	PIVOT POINTS (8)	PULSE BEAMS
O	CONTACT SURFACES (8)	TRANSFER LEVERS
O	CONTACT POINTS (8) (EACH END)	PULSE BEAMS
O	HOOKS - EACH END	SPRING
O	PIVOT POINTS (8)	TRANSFER LEVERS
O	SLIDING SURFACES (8) (EACH SIDE)	GUIDE BRACKET

2.13 Push Bars

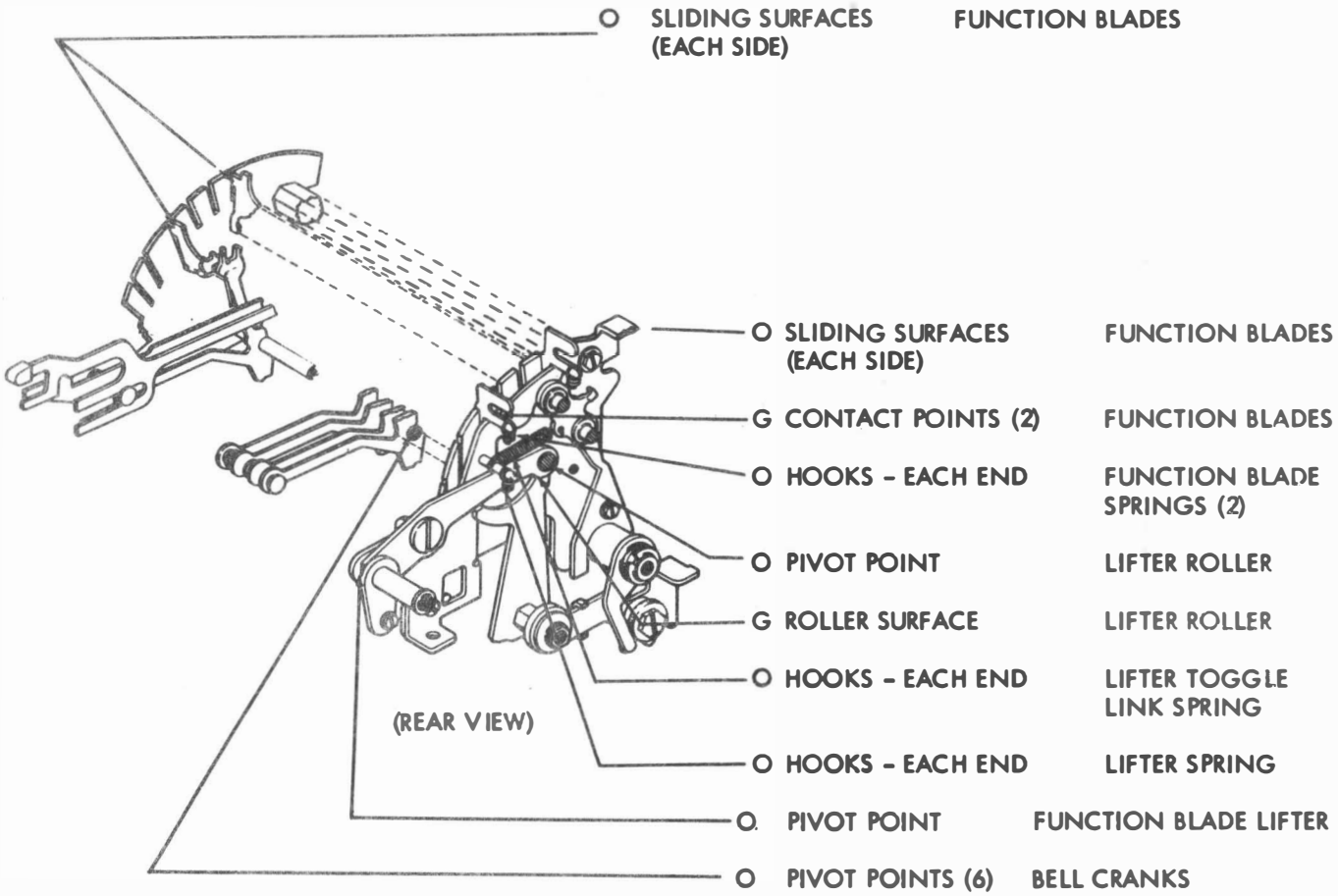


G	RACK TEETH (7)	PUSH BARS
O	CONTACT SURFACES (7)	PUSH BARS
O	CONTACT SURFACES (6)	PUSH BARS

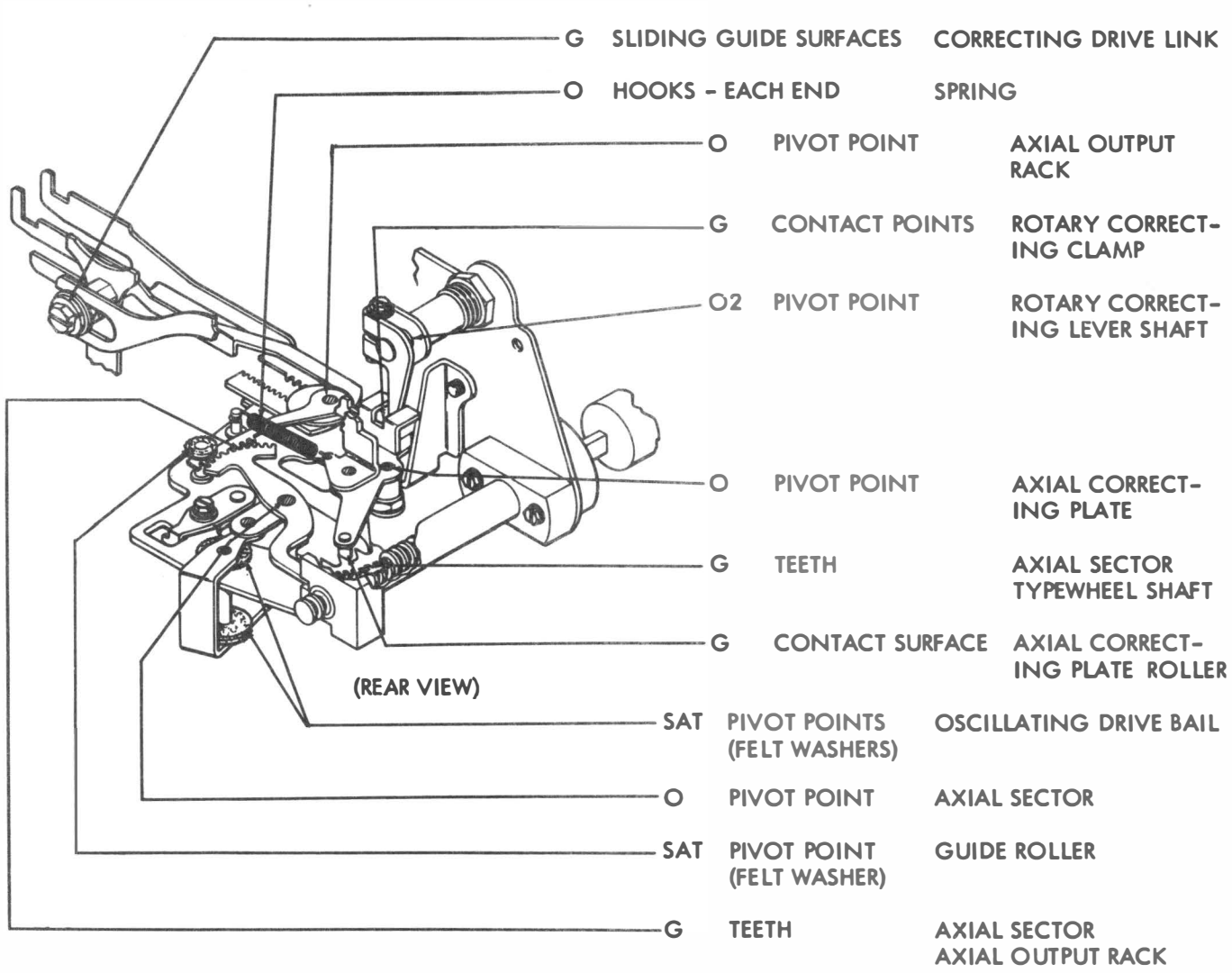
2.14 Typing Reperforator (Right Rear View)



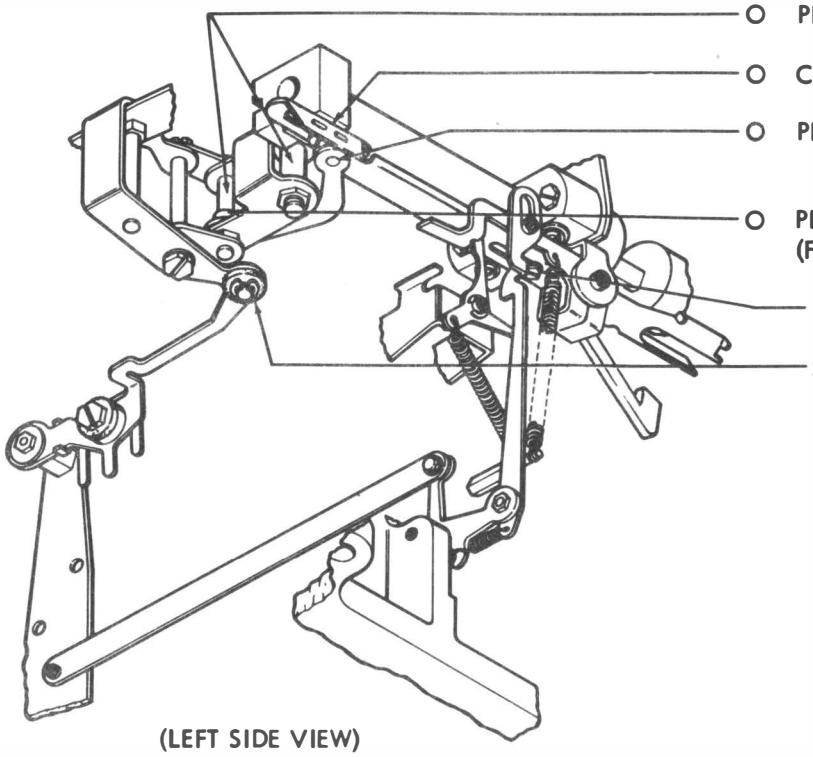
2.15 Function Box



2.16 Axial Positioning Mechanism



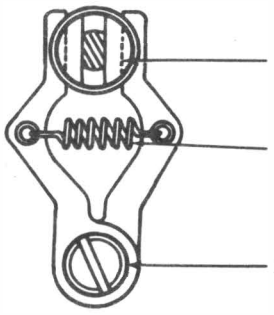
2.17 Axial Positioning Mechanism (continued)



(LEFT SIDE VIEW)

O	PIVOT POINT	OSCILLATING BAIL
O	CONTACT SURFACES	RIBBON CARRIER
O	PIVOT POINTS	RIBBON OSCILLATING LEVER
O	PIVOT POINT (FELT WASHER)	RIBBON OSCILLATING LEVER
O	CONTACT SURFACES	RIBBON CARRIER
SAT	PIVOT POINTS (2) (FELT WASHERS)	OSCILLATING DRIVE LINK

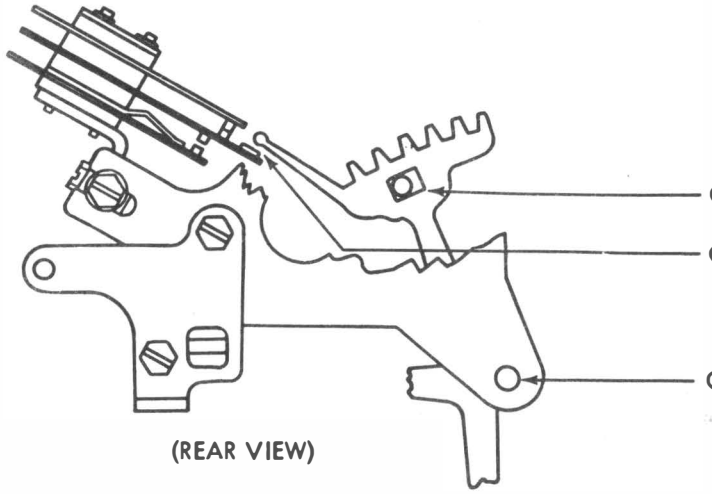
2.18 Detent Assemblies



(BOTTOM VIEW)

O	DETENT POINTS	DETENT LEVERS (4)
O	HOOKS - EACH END	DETENT LEVER SPRINGS (2)
SAT	PIVOT POINTS (FELT WASHERS)	DETENT LEVERS (4)

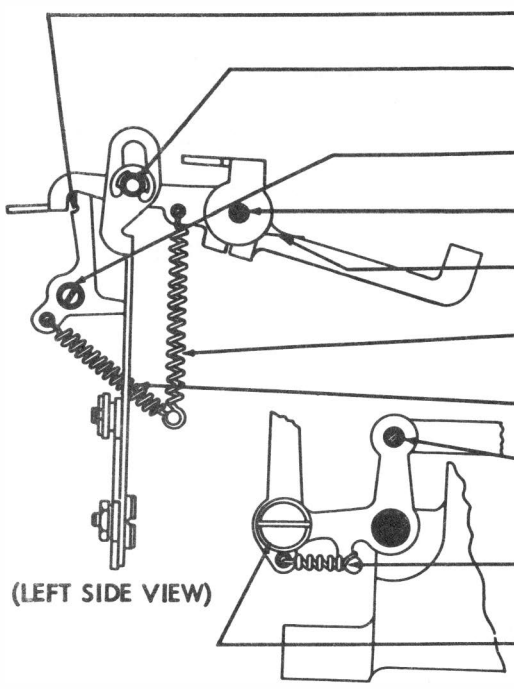
2.19 Ribbon Shift Contact



(REAR VIEW)

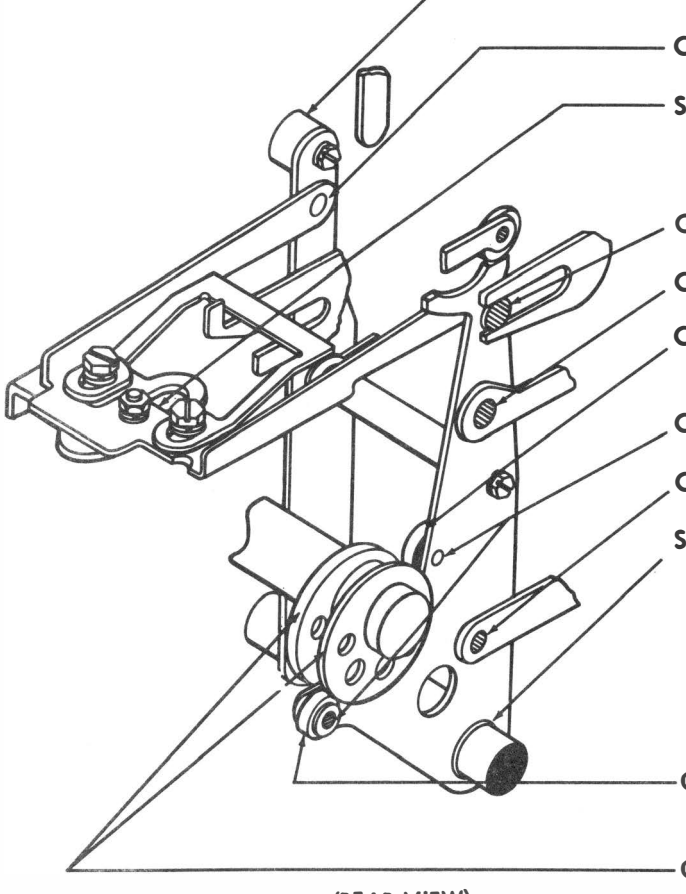
O	SLIDING SURFACE	STOP POST
G	SURFACES	SWINGER AND BELL CRANK
O	PIVOT	BELL CRANK

2.20 Printing Mechanism



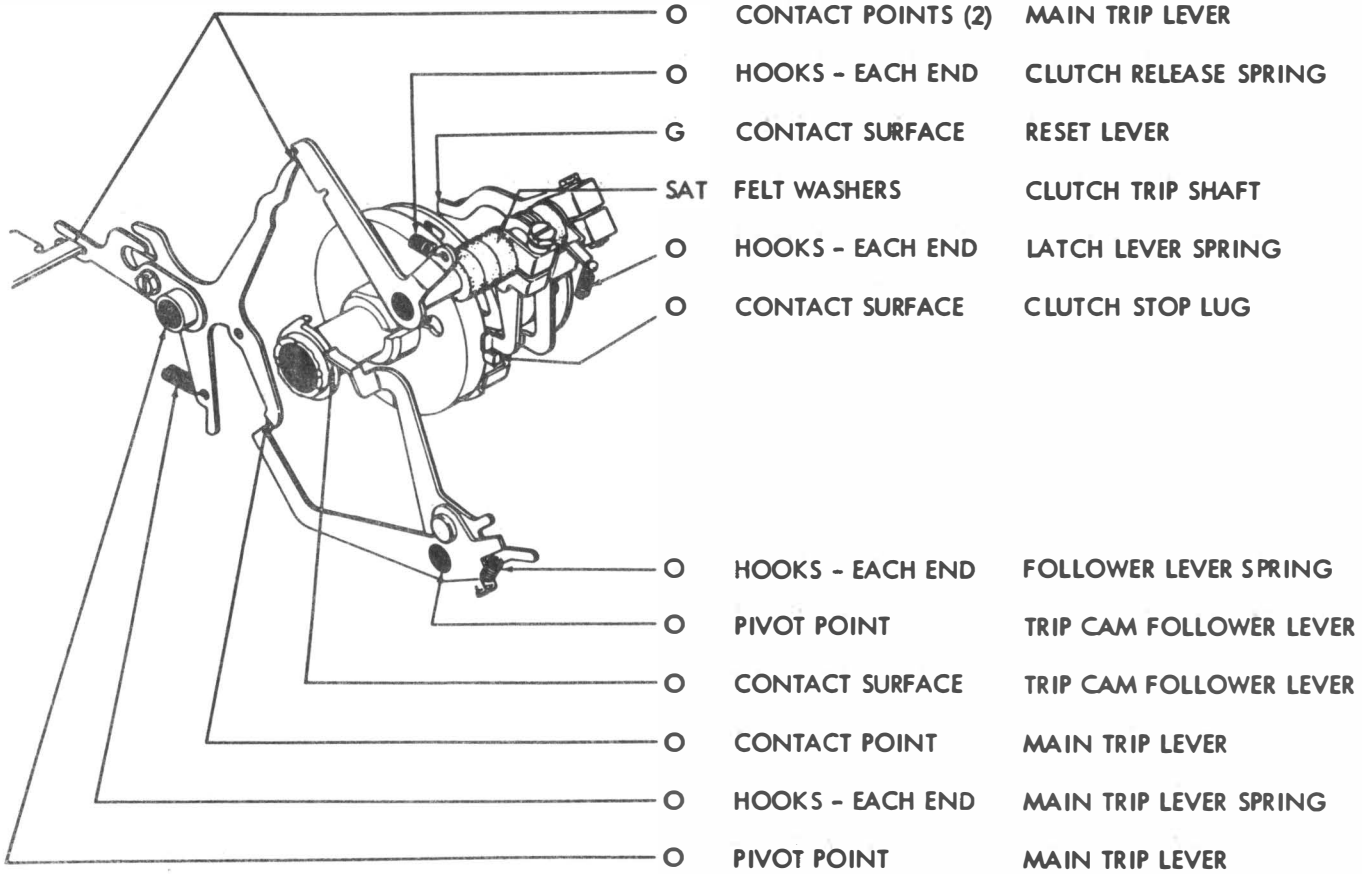
G	CONTACT SURFACE	PRINTING LATCH
O2	SLIDING SURFACE	PRINTING TRIP LINK
O2	PIVOT POINT	PRINTING LATCH
O2	PIVOT POINTS	PRINT HAMMER
O	HOOKS - EACH END	PRINT HAMMER SPRING
O	HOOKS - EACH END	HAMMER ACCELERATOR SPRING
O	HOOKS - EACH END	PRINTING LATCH SPRING
O	PIVOT POINT	PRINTING DRIVE LINK
O	HOOKS - EACH END	PRINTING TRIP LINK SPRING
O	PIVOT POINTS (2)	PRINTING PIVOT ARM

2.21 Rocker Bail Mechanism



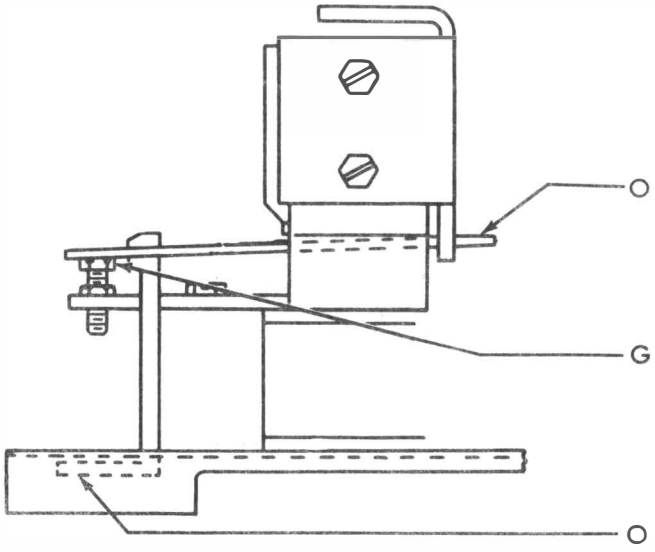
G	CONTACT SURFACE	RIBBON FEED ECCENTRIC STUD
O	PIVOT POINTS	PUSH BAR OPERATING BLADE
SAT	SLIDING SURFACE (FELT WASHER UNDER BLADE)	PUSH BAR OPERATING BLADE
G	PIVOT POINT	CORRECTING DRIVE LINK
O	PIVOT POINT	OSCILLATING DRIVE LINK
O	ROLLER SURFACE	CAM FOLLOWER ROLLER (UPPER AND LOWER)
O	PIVOT POINTS	CAM FOLLOWER ROLLERS
O	PIVOT POINT	PRINTING DRIVE LINK
SAT	PIVOT POINT (FELT STRIP)	ROCKER BAIL
O	ROLLER SURFACE	CAM FOLLOWER ROLLER
O	CONTACT SURFACE	FUNCTION CAM

2.22 Function Cam-Clutch Trip Mechanism



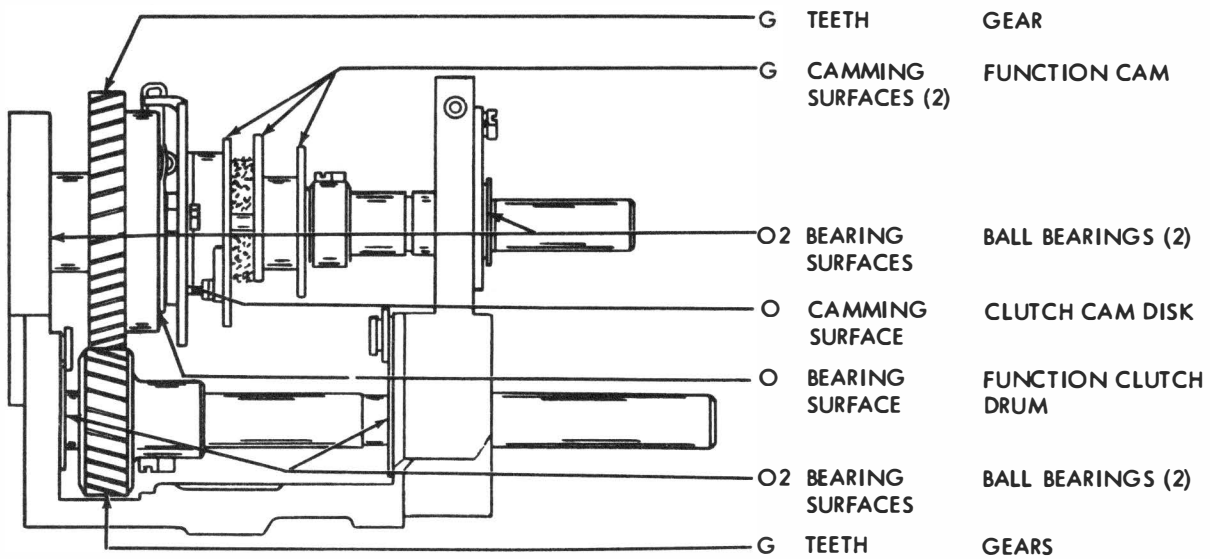
O	CONTACT POINTS (2)	MAIN TRIP LEVER
O	HOOKS - EACH END	CLUTCH RELEASE SPRING
G	CONTACT SURFACE	RESET LEVER
SAT	FELT WASHERS	CLUTCH TRIP SHAFT
O	HOOKS - EACH END	LATCH LEVER SPRING
O	CONTACT SURFACE	CLUTCH STOP LUG
O	HOOKS - EACH END	FOLLOWER LEVER SPRING
O	PIVOT POINT	TRIP CAM FOLLOWER LEVER
O	CONTACT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

2.23 Ribbon Shift Magnet

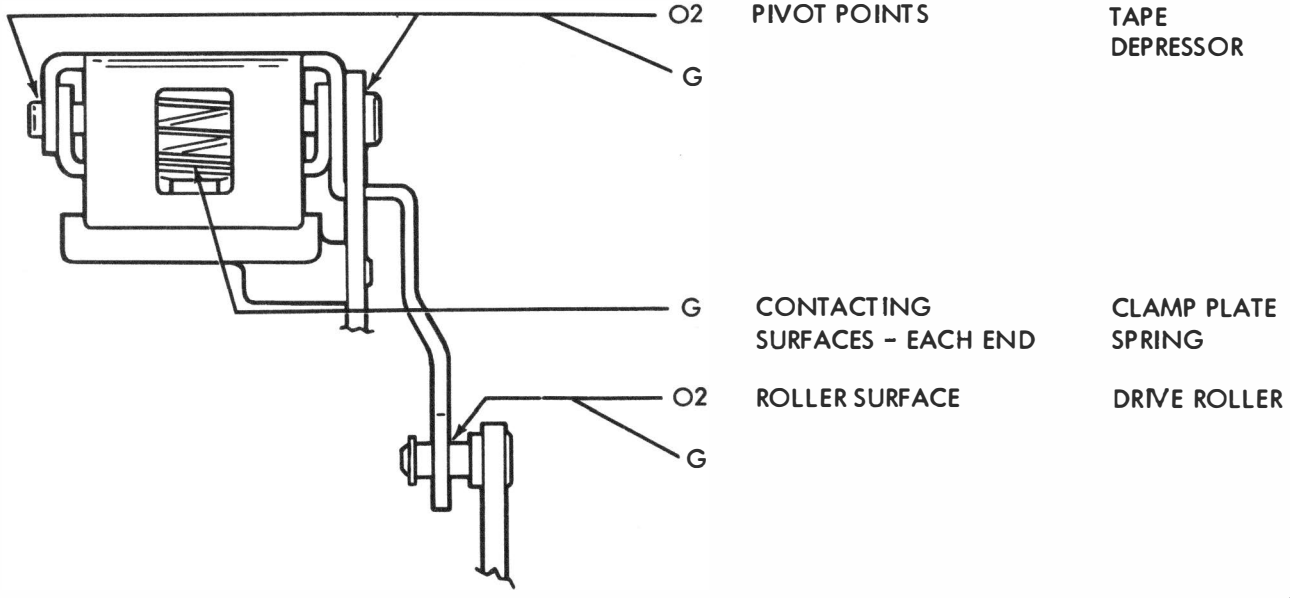


O	PIVOT POINT	ARMATURE HINGE
G	CONTACT POINT	DOWNSTOP
O	CONTACT SURFACES	BLOCKING LINK

2.24 Jack Shaft Mechanism

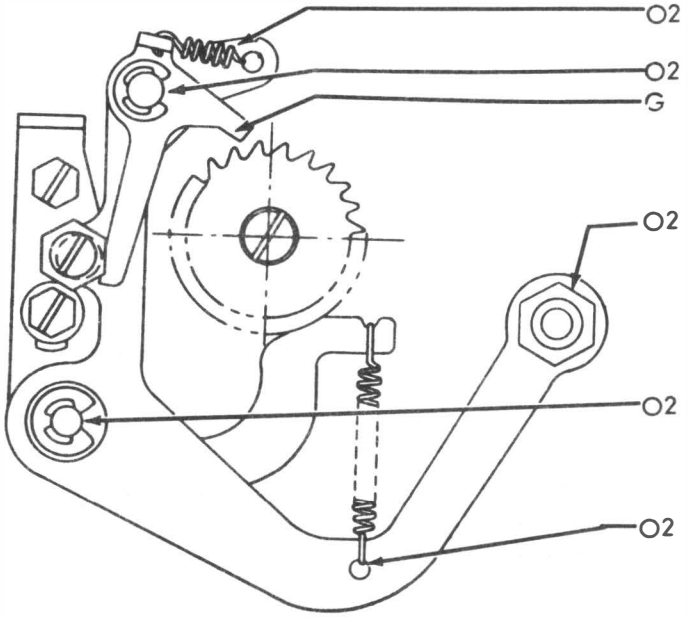


2.25 Tape Depressor Mechanism



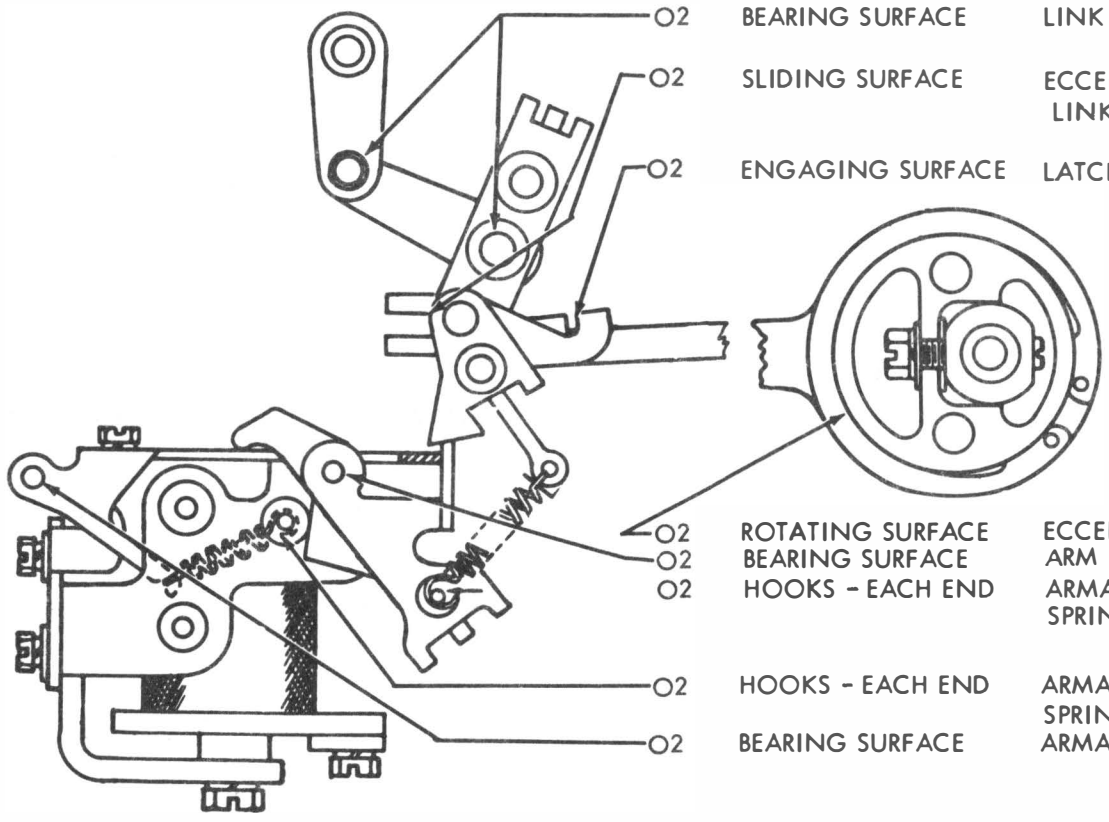
3. VARIABLE FEATURES

3.01 Manual Backspace Mechanism



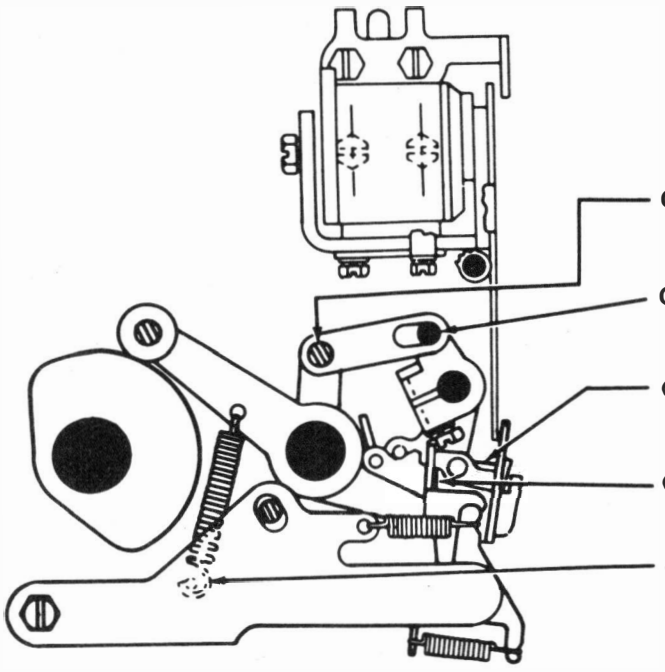
O2	HOOKS - EACH END	BACKSPACE PAWL SPRING
O2	BEARING SURFACE	BACKSPACE PAWL
G	FEEDING SURFACE	BACKSPACE PAWL
O2	BEARING SURFACE	NUT, SHOULDER
O2	BEARING SURFACE	BELL CRANK
O2	HOOKS - EACH END	BELL CRANK SPRING

3.02 Power Drive Backspace Mechanism



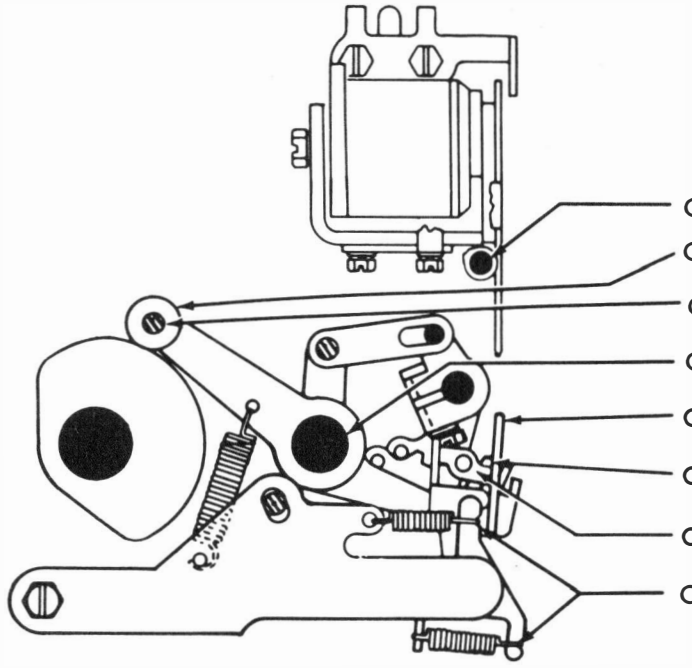
O2	BEARING SURFACE	LINK
O2	SLIDING SURFACE	ECCENTRIC DRIVE LINK FORK
O2	ENGAGING SURFACE	LATCH
O2	ROTATING SURFACE	ECCENTRIC
O2	BEARING SURFACE	ARM
O2	HOOKS - EACH END	ARMATURE LATCH SPRING
O2	HOOKS - EACH END	ARMATURE BAIL SPRING
O2	BEARING SURFACE	ARMATURE BAIL

3.03 Remote Control Non-Interfering Rubout Tape Feed-Out Mechanism



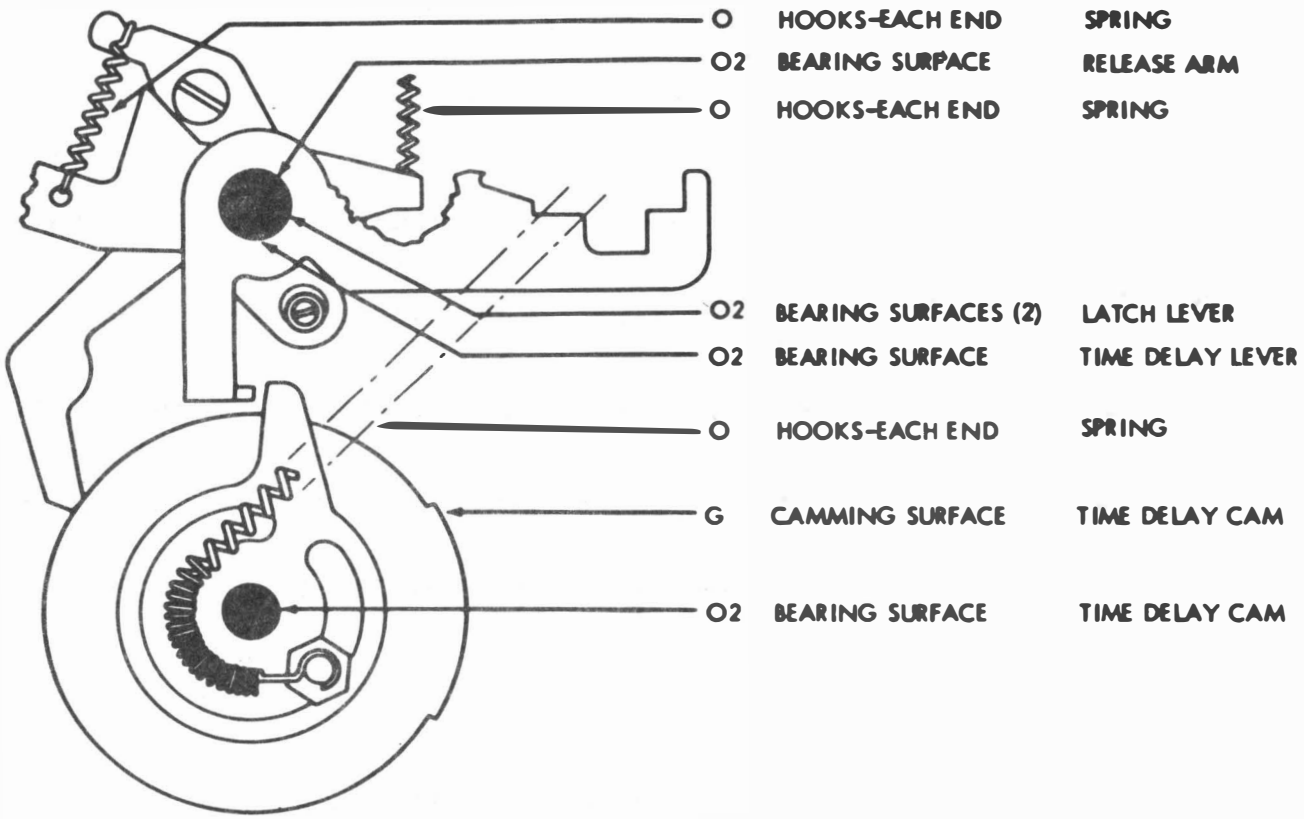
O2	PIVOT POINT	DRIVE LINK
O2	SLIDE SURFACE	DRIVE LINK
G	CONTACT POINT	RELEASE LEVER
G	CONTACT POINT	LATCH LEVER
O2	HOOKS-EACH END	SPRING

3.04 Remote Control Non-Interfering Rubout Tape Feed-Out Mechanism (continued)

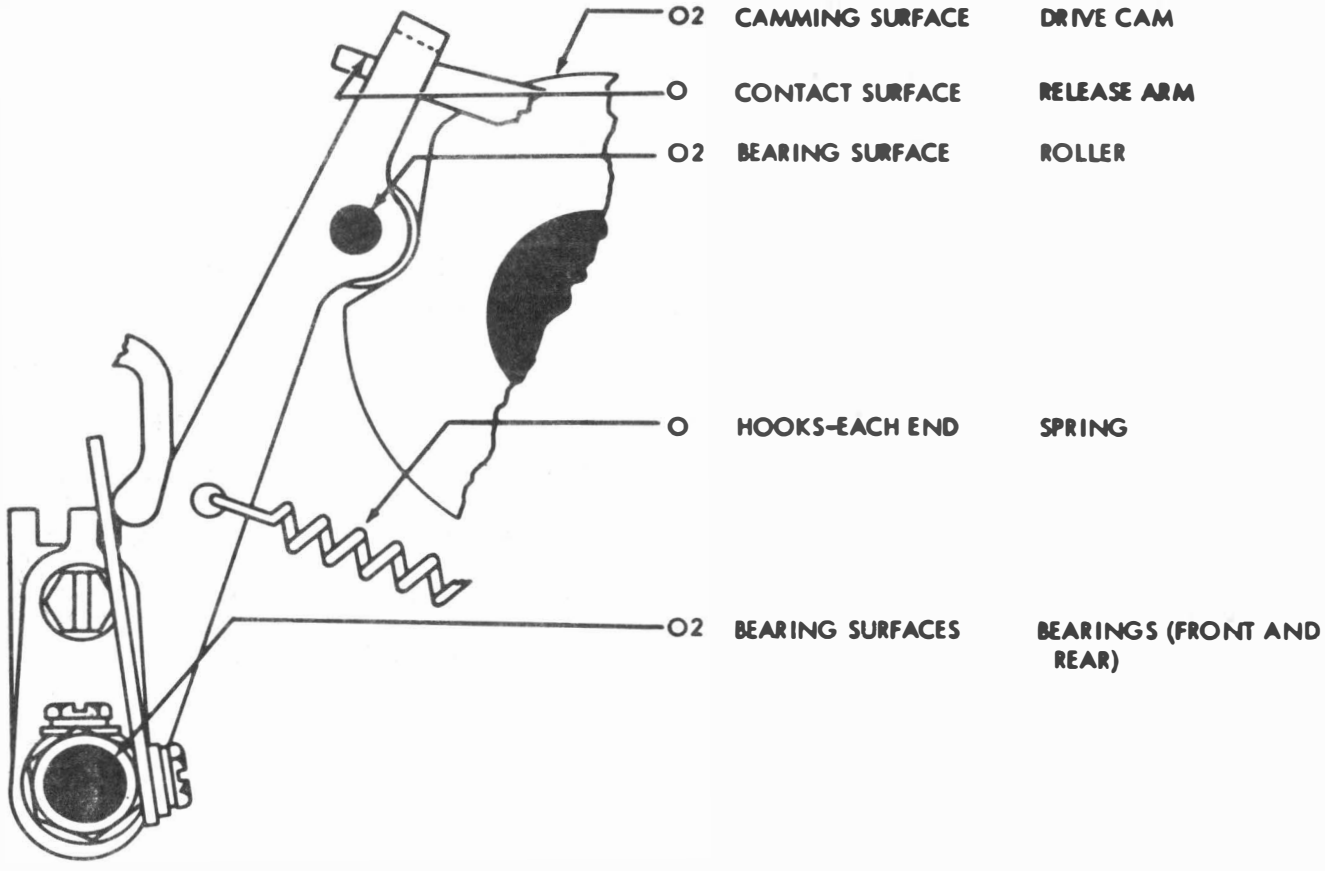


O2	PIVOT POINT	ARMATURE HINGE
O2	ROLLER SURFACE	DRIVE BAIL ROLLER
O2	PIVOT POINT	DRIVE BAIL ROLLER
O2	PIVOT POINT	DRIVE BAIL
G	CONTACT POINT	BLOCKING BAIL
G	CONTACT POINT	DRIVE BAIL
G	CONTACT POINT	BLOCKING LATCH
O	HOOKS-EACH END (2)	SPRING

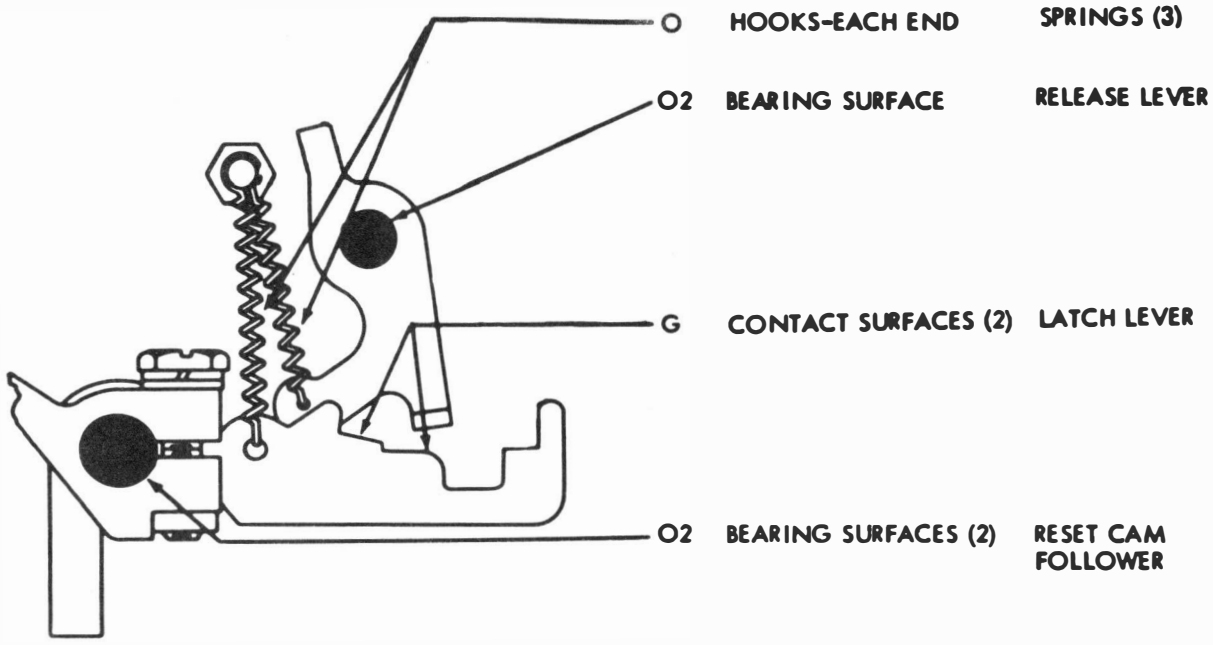
→ 3.05 Remote Control Non-Interfering Rubout Tape Feed-Out Mechanism (continued)



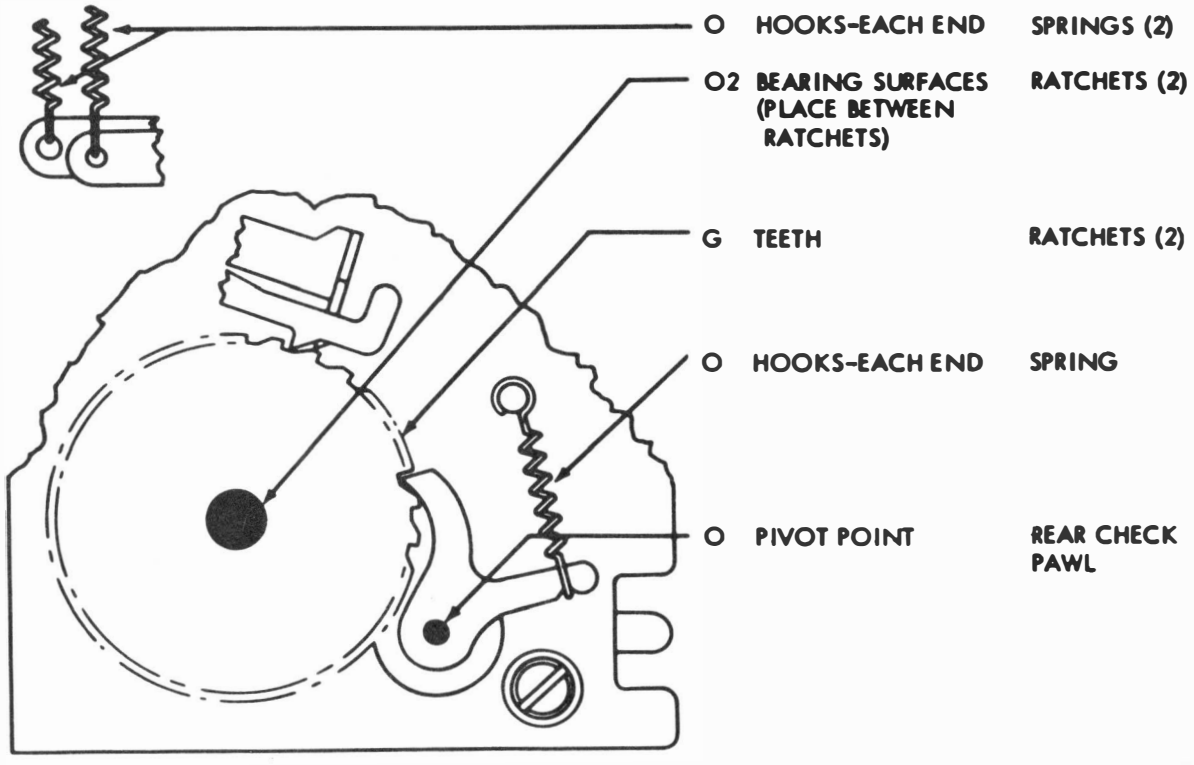
→ 3.06 Remote Control Non-Interfering Rubout Tape Feed-Out Mechanism (continued)



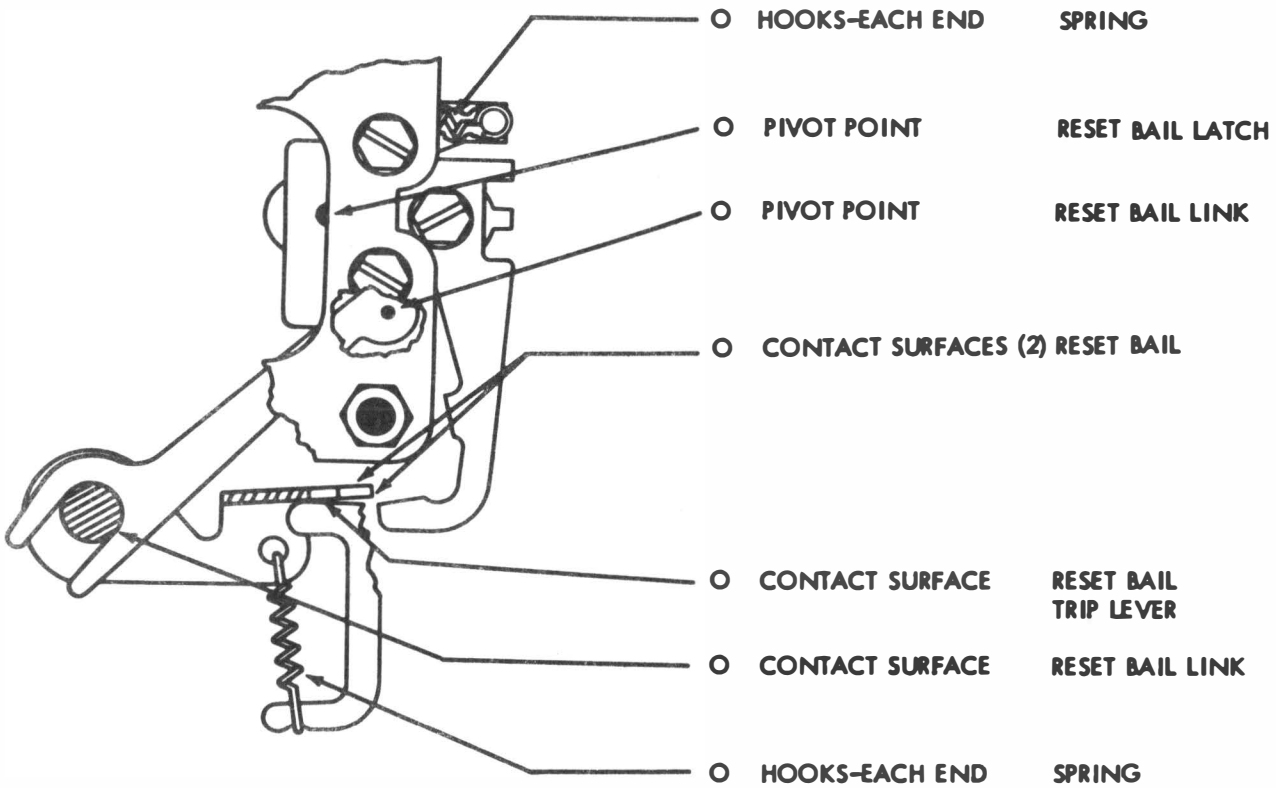
3.07 Remote Control Non-Interfering Rubout Tape Feed-Out Mechanism (continued)



3.08 Remote Control Non-Interfering Rubout Tape Feed-Out Mechanism (continued)



→ 3.09 Remote Control Non-Interfering Rubout Tape Feed-Out Mechanism (continued)



3.10 Remote Control Non-Interfering Rubout Tape Feed-Out Mechanism (continued)