35 KEYBOARD AND BASE FOR KEYBOARD SEND-RECEIVE AND RECEIVE-ONLY SETS

LUBRICATION

1. GENERAL

1.01 This section is reissued to add engineering changes and to update format. Since this is a general revision, the marginal arrows, used to indicate changes, have been omitted.

1.02 The 35 keyboard with or without an answer-back should be lubricated as directed in Par. 2. The lubrication for a 35 base with or without an answer-back is covered in Par. 3. The figures indicate points to be lubricated and the kind and quantity of lubricant to be used. Lubricate the unit just prior to placing it in service. After a few weeks in service, re-lubricate to make certain that all points receive lubrication. The following lubrication schedule should be followed thereafter.

Operating Speeds in Words per Minute	Lubrication Interval
60	3000 hours or 1 year*
75	2400 hours or 9 months*
100	1500 hours or 6 months*
150	1000 hours or 6 months*

*Whichever occurs first.

1.03 Use KS7470 oil at all locations where the use of oil is indicated. Use KS7471 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. Overlubrication, 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:

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

2. KEYBOARD
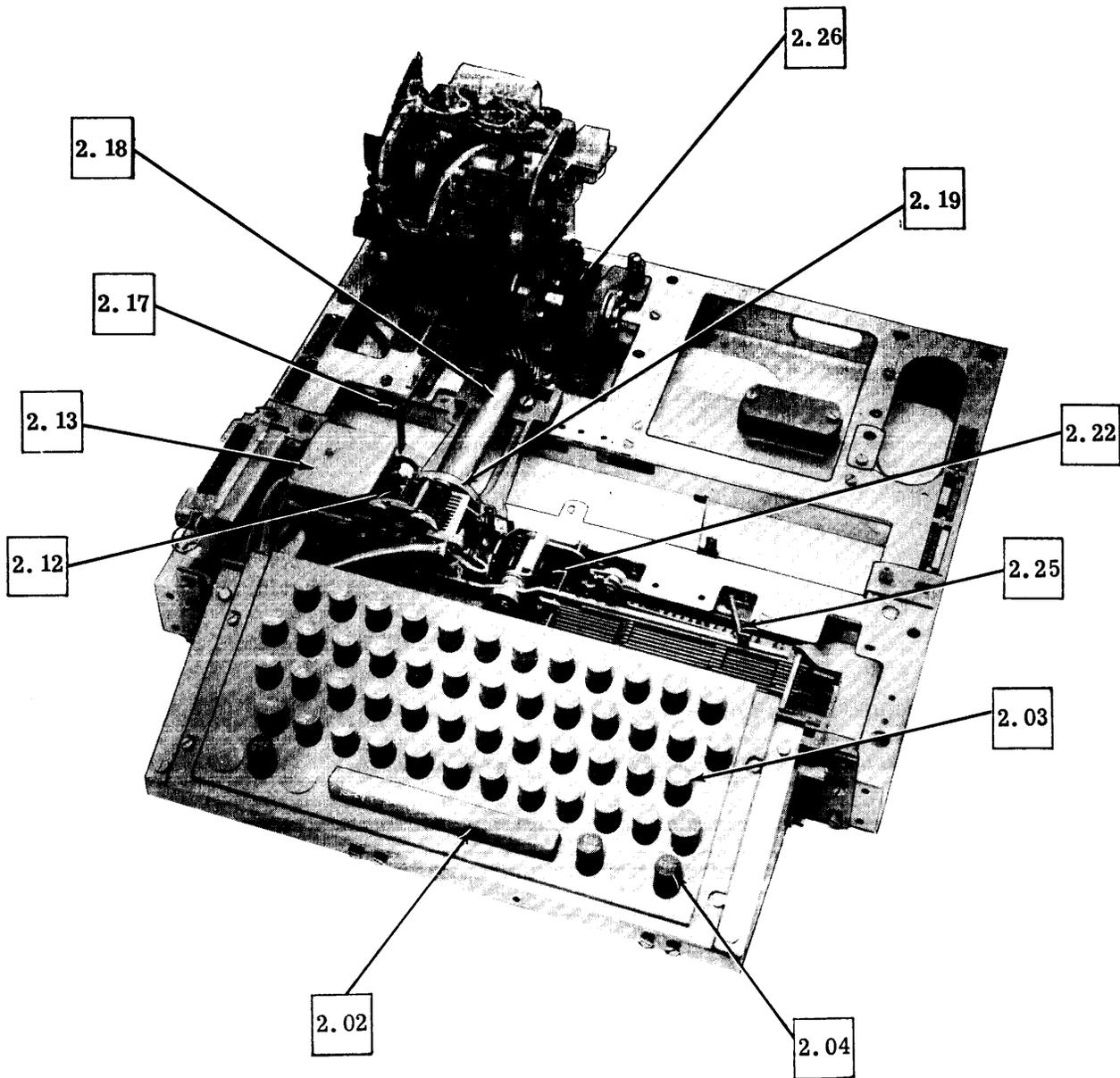
(Front View)

Figure 1 - Keyboard for Send-Receive Set

Figure 2 - Keyboard for Send-Receive Set

2.01   Keyboard

REST KEYBOARD BOTTOM SIDE UP

2.02   Spacebar Mechanism

O1   Bearing Surface   Spacebar
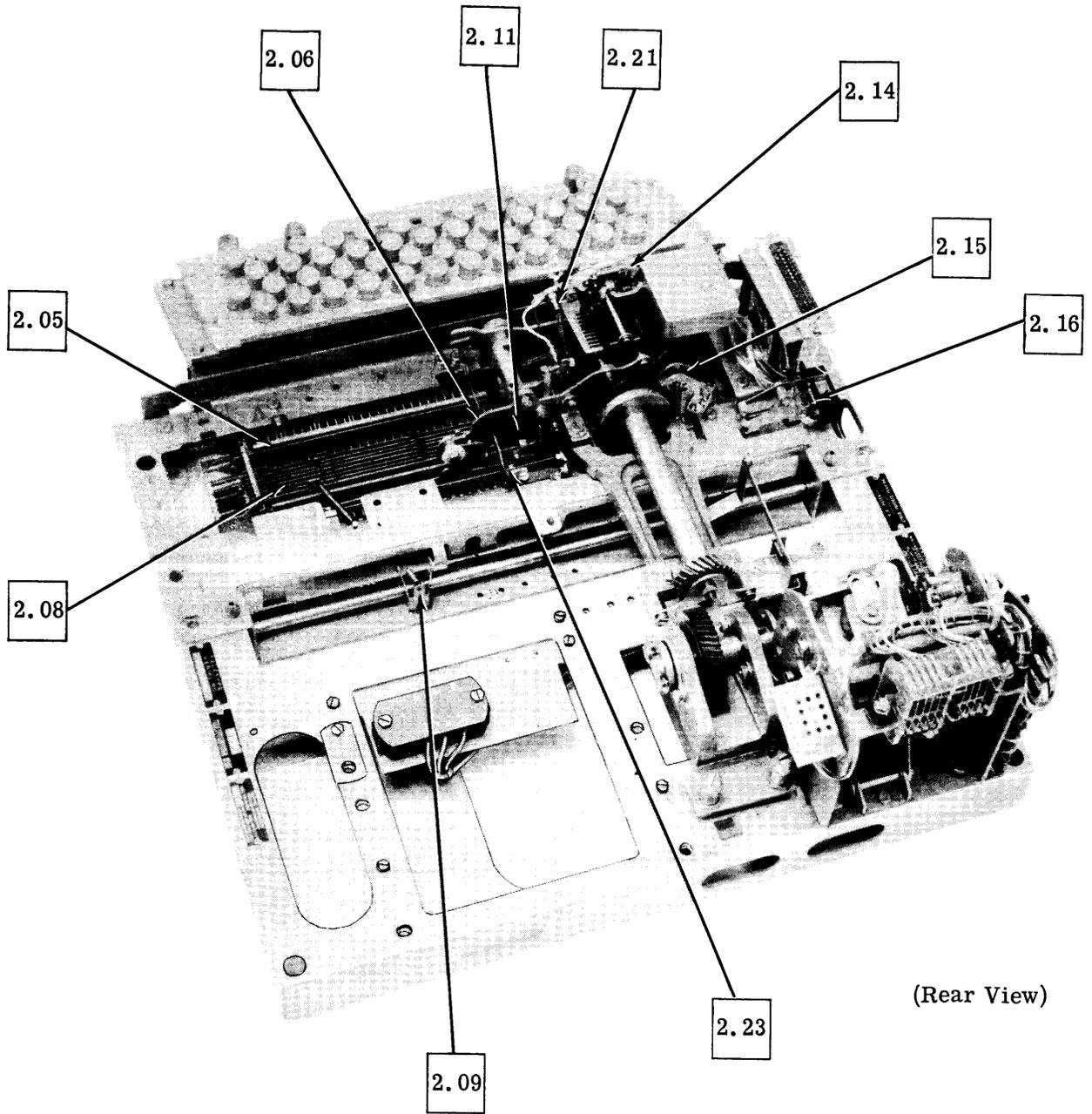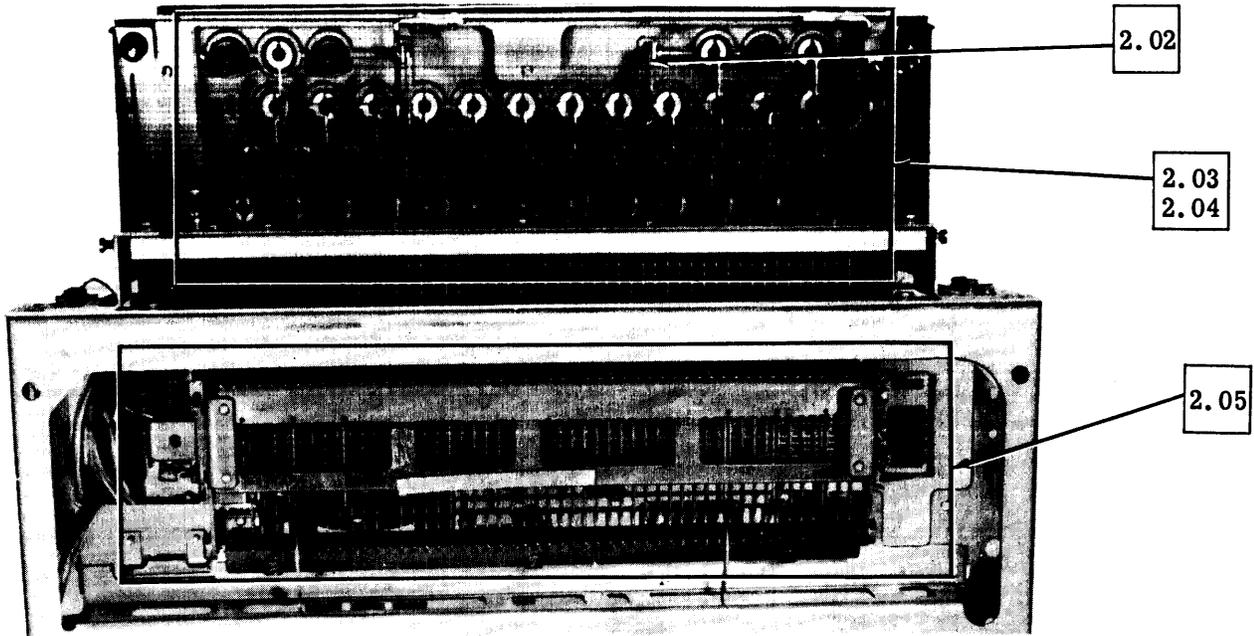   (Left and Right)
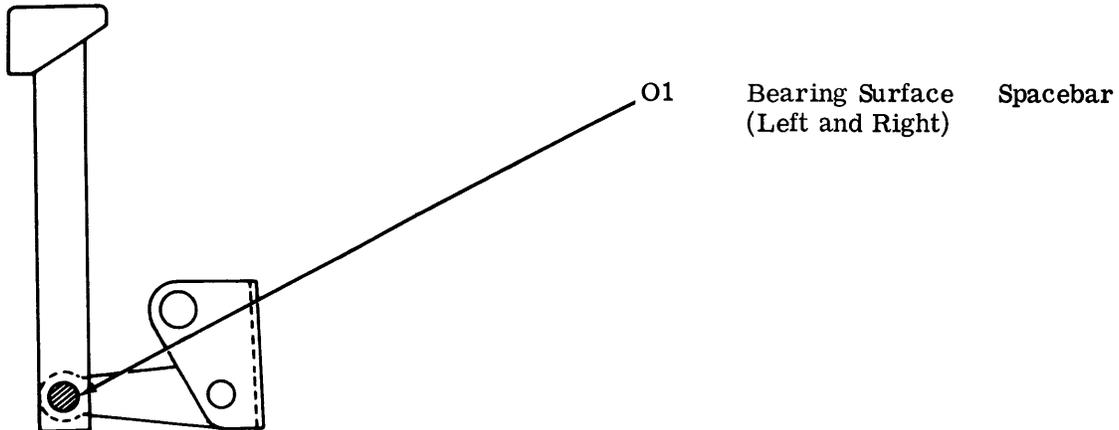
2.03   Keylever Mechanism

O1   Engaging Surface   Keytop Levers
      (49 Levers)
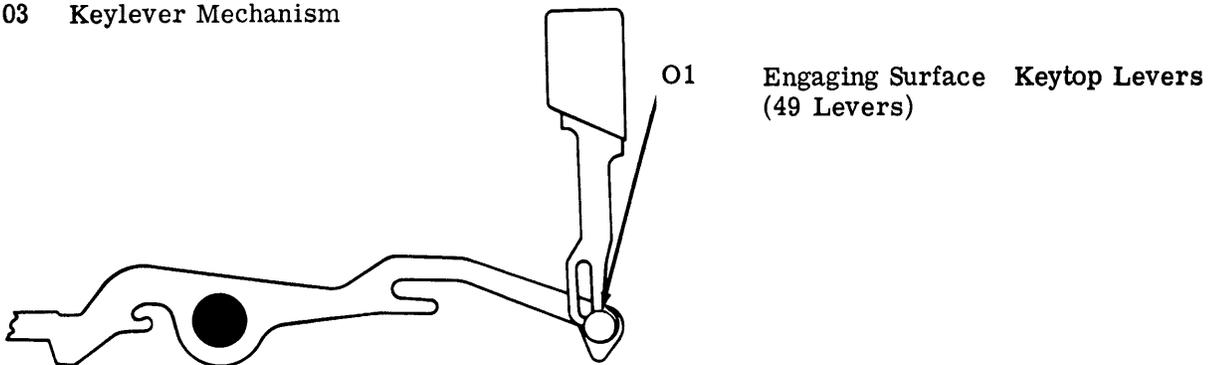
2.04   Function Lever Mechanism
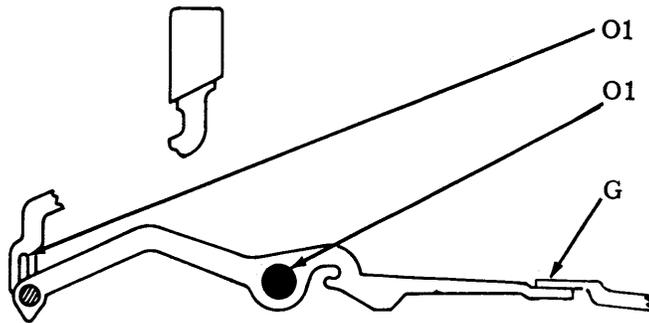
O1	Engaging Surface	Keylever
O1	Bearing Surface	Function Lever
G	Contact Surface	Lever

2.05   Code Lever Mechanism
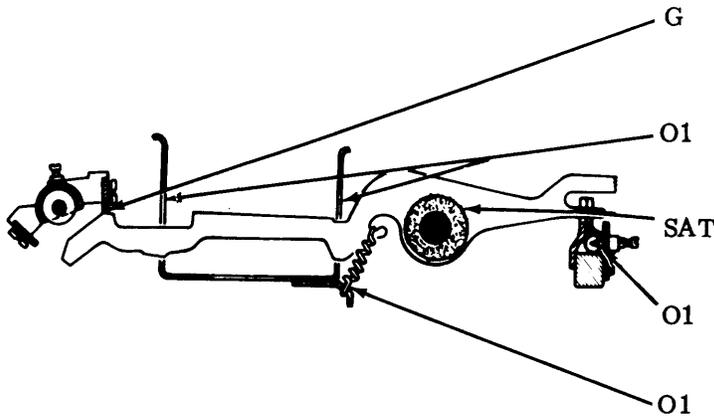
G	Contacting Surface (32 Levers	Code Lever Universal Bail
O1	Guide Slots (46 Levers)	Code Levers
SAT	Felt Washers (8 Washers)	Code Lever Shaft
O1	Bearing Surface (47 Wedges)	Lock Ball Track
O1	Hooks-Each End (50 Springs)	Spring

2.06   Clutch Tripbar Mechanism
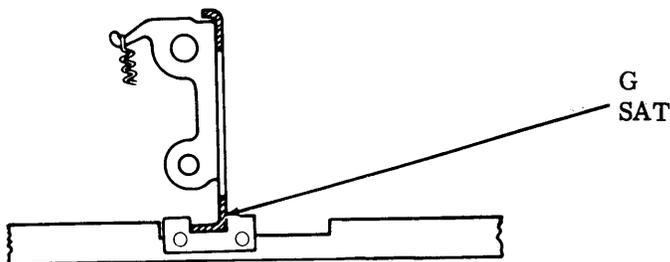
G	Slot	Clutch Tripbar
SAT		Wear Plate

2. 07   Keyboard Codebars

2. 08   Codebar Mechanism

O1	Hooks-Each End (10 Springs)	Spring
O1	Guide Slots (Left and Right Top and Bottom)	Codebar Guides

2. 09   Local Carriage Return Mechanism

O1	Hooks-Each End	Spring
O1	Bearing Surface (2 Places)	Local Carriage Return Function Bail
G	Engaging Surface	Local Carriage Return Function Lever
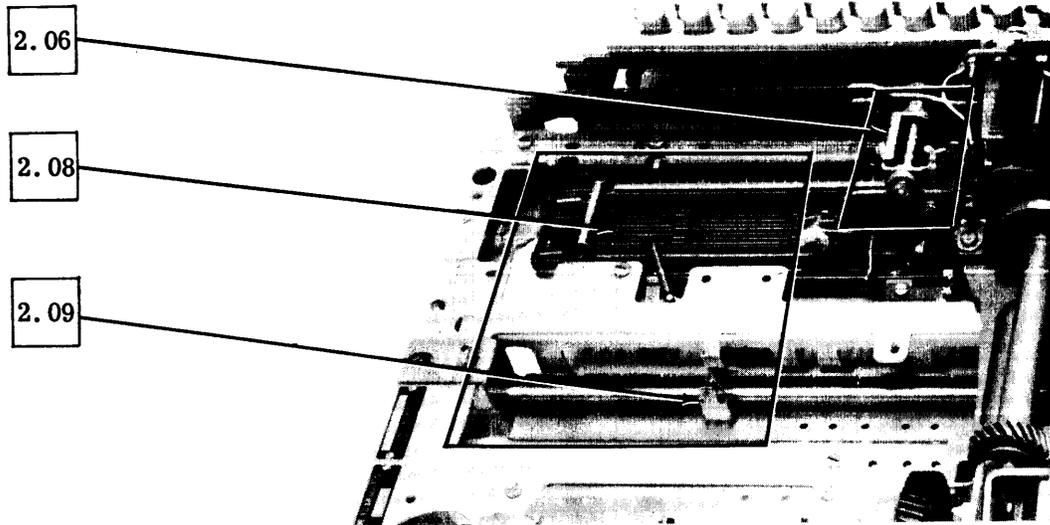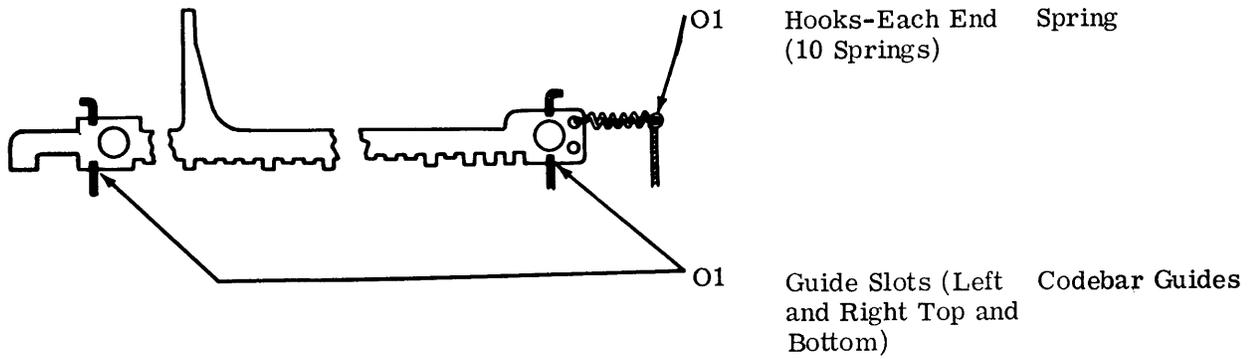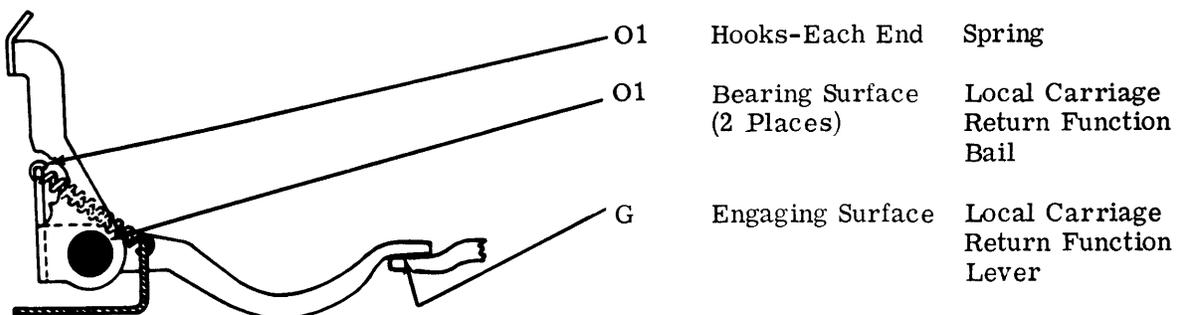
2.10   Keyboard Signal Generator
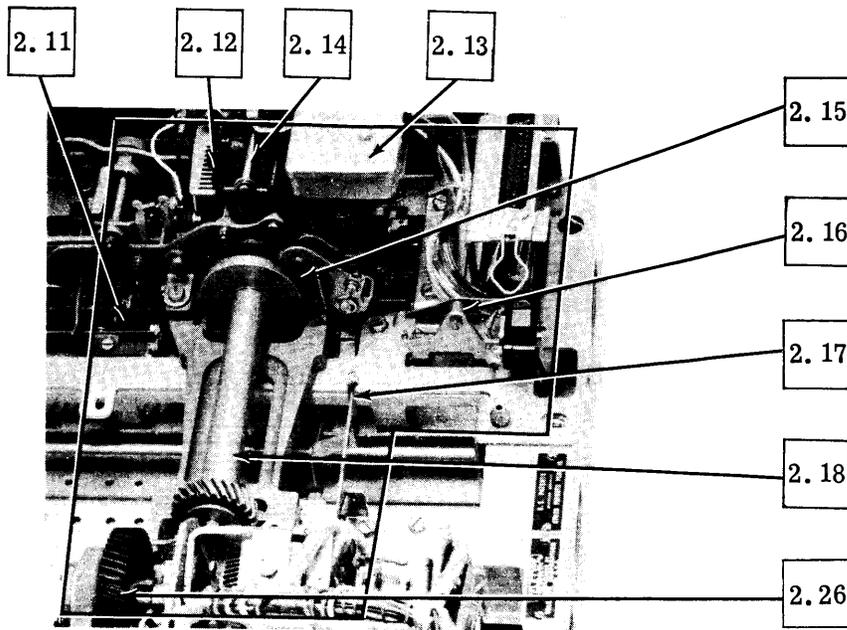
(Rear View)

2.11   Nonrepeat Lever Mechanism

(Front View)

SAT	Felt Washer (Rear View)	Nonrepeat Lever Crank
O2	Bearing Surface	Nonrepeat Lever Crank
O1	Hooks-Each End	Spring
O1	Bearing Surface	Codebar Bail Roller
O2	Bearing Surface	Nonrepeat Lever
G	Engaging Surface	Nonrepeat Lever
O2	Guide Slot	Nonrepeat Lever
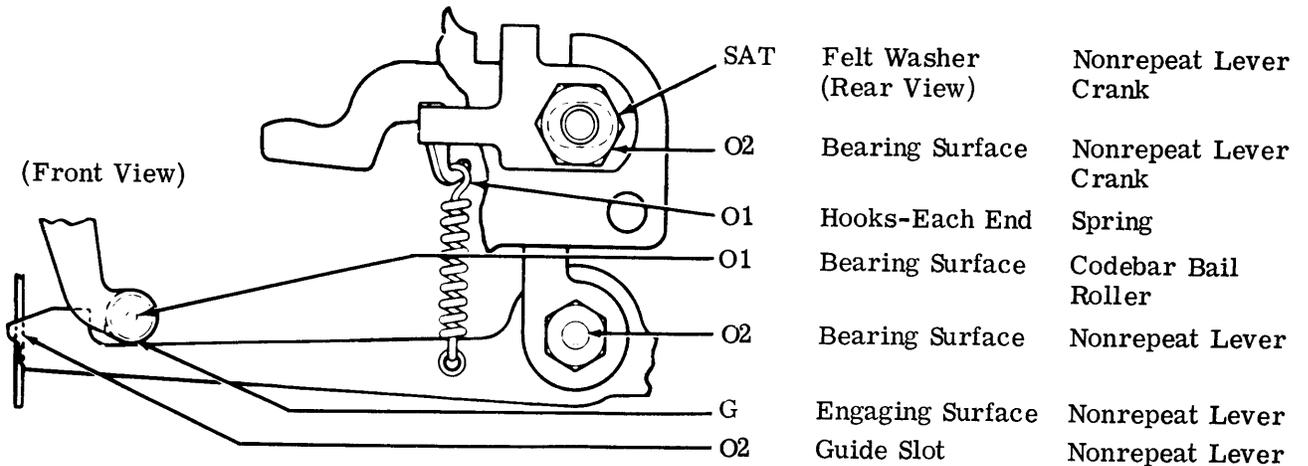
2.12   Transfer Lever Mechanism

O1	Guide Slots	Transfer Levers (10 Levers)
O1	Hooks-Each End (10 Springs)	Spring
O1	Guide Slots	Transfer Levers (10 Levers)
SAT	Felt Washers (5 Washers)	Camming Surfaces
O1	Guide Slots	Transfer Levers (10 Levers)
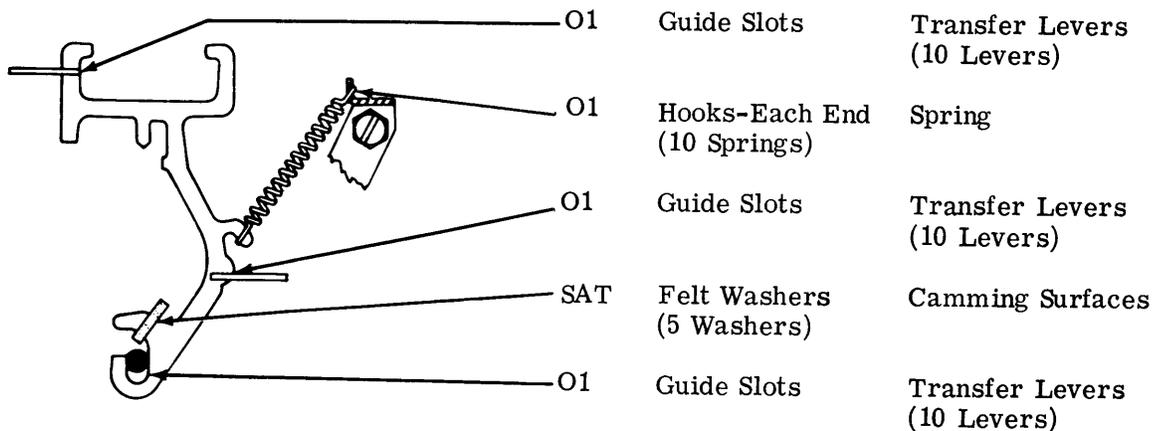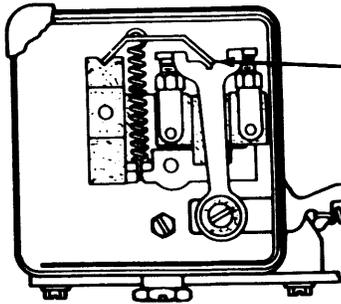
2.13   Contact Box

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 OR GREASE.

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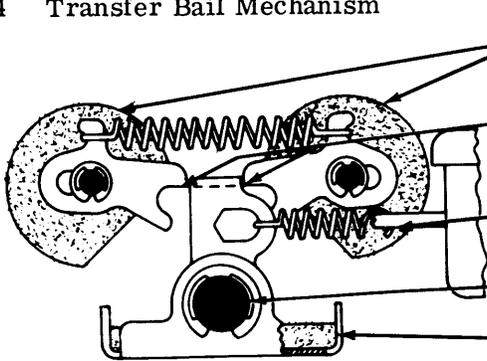
SAT	Felt Washers (2 Washers)	Latches
G	Engaging Surface	Transfer Bail
O1	Hooks-Each End (2 Springs)	Spring
O2	Bearing Surface	Transfer Bail
SAT	Oil Wick	Transfer Bail

2.15   Function Clutch Mechanism
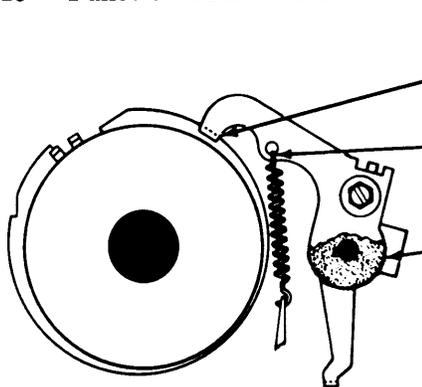
O2	Latching Surface	Clutch Stop Lever and Clutch Latch-lever
O1	Hooks-Each End (2 Springs)	Spring
SAT	Felt Washers (2 Front and Rear)	Clutch Tripbail

2.16   Margin Indicating Mechanism
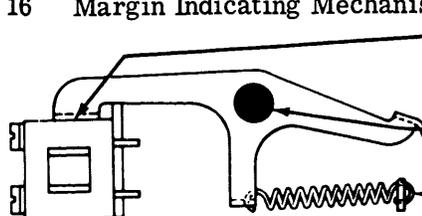
O1	Engaging Surface	Margin Indicator Switch
O1	Bearing Surface	Switch Lever
O1	Hooks-Each End	Spring

2.17   Local Line Feed Mechanism

O2	Guide Slot	Local Line Feed Trip Link
O1	Bearing Surface	Local Line Feed Function Lever
O1	Hooks-Each End	Spring
O1	Bearing Surface	Function Bail
G	Engaging Surface	Local Line Feed Function Lever

2.18   Shaft Mechanism

SAT	Felt Washer	Signal Generator Shaft
G	Gear Teeth	Signal Generator Shaft
O20	Oil Hole	Signal Generator Shaft
SAT	Internal Mechanism	Keyboard Clutch
SAT	Felt Wick	
O20	Oil Hole	Signal Generator Cam
O2	Camming Surface Each Cam	Signal Generator Cam
SAT	Felt Washer	Signal Generator Shaft

2.19   Keyboard Clutch

G	Hooks-Each End	Clutch Shoe Lever Spring

2.20 Keyboard and Signal Generator
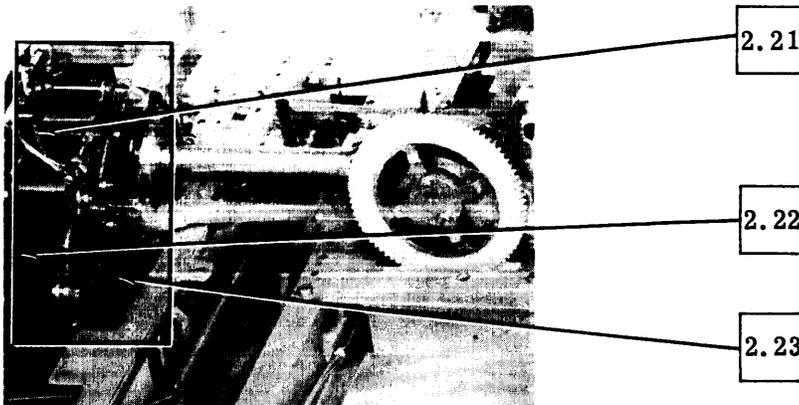
2.21 Locking Bail Mechanism

O1	Hooks-Each End	Spring
SAT	Felt Washers (2 Washers — Front and Rear)	Locking Bail Post
SAT	Felt Wick	Camming Surfaces
O1	Guide Slots (3 Slots)	Locking Bail
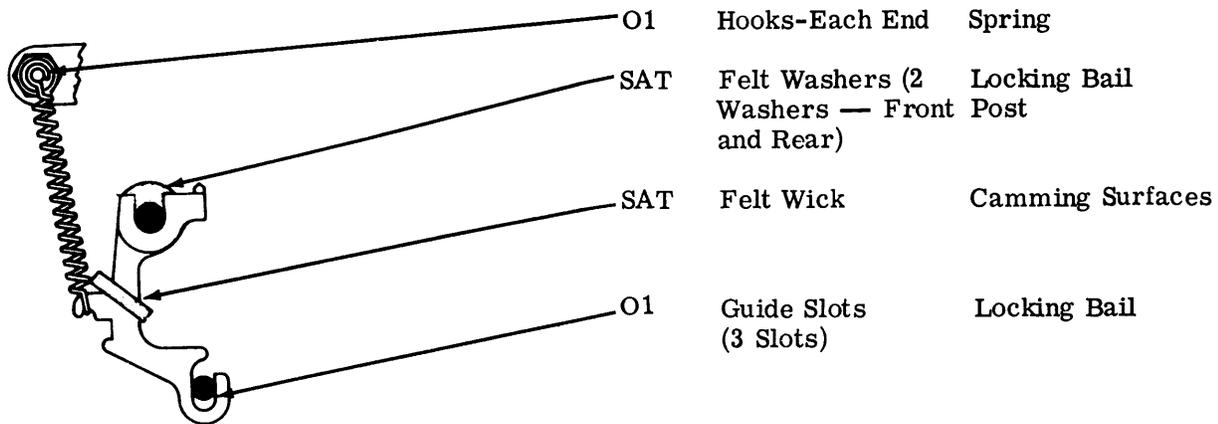
2.22 Codebar Bail Mechanism

SAT	Felt Washers (2 Washers)	Codebar Bail
O1	Bearing Surface (2 Places)	Codebar Bail
O1	Hooks-Each End (2 Springs)	Spring
SAT	Felt Washer	Codebar Bail Latch
O4	Bearing	Codebar Bail
O2	Bearing Surface	Codebar Bail Latch
O2	Engaging Surface	Eccentric Follower

2.23 Universal Bail Latchlever

O1	Hooks-Each End	Spring
SAT	Felt Washer	Universal Bail Latchlever
O2	Guide Slot (Each Side of Slot)	Universal Bail Latchlever
G	Engaging Surface	Reset Bail Latch

2.24 Keyboard Code Levers

2.25

2.25 Code Lever Universal Bail
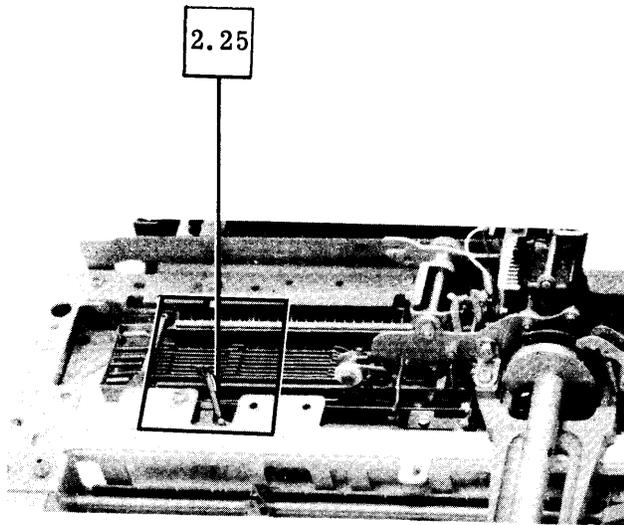
O1	Hooks-Each End	Spring
O2	Bearing Surface	Code Lever Universal Bail
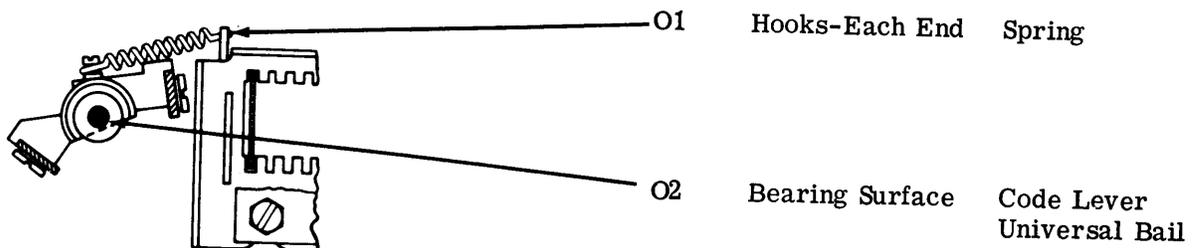
2.26   Intermediate Gear Mechanism

O2	Oiler-Each End (Right and Left)	Motor Shaft
G	Teeth (2 Gears)	Intermediate Gears
O2	Ball Bearing (2 Bearings)	Intermediate Gear Shaft
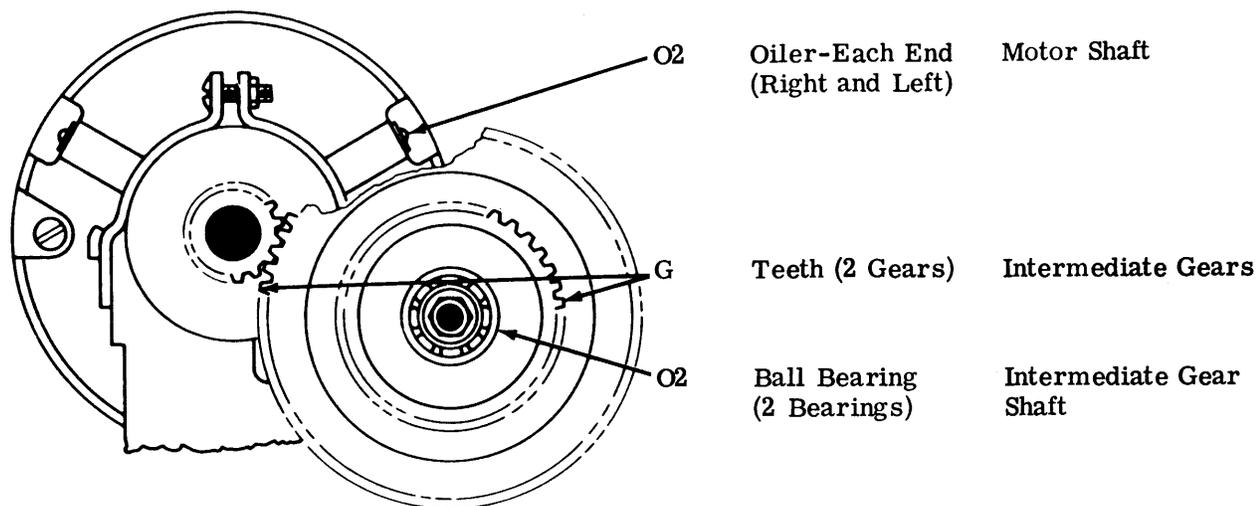
3.   BASE

THE LUBRICATION REQUIREMENTS IN PAR. 2.26 PLUS THOSE SHOWN IN PAR. 3.01 AND PAR. 3.02 CONSTITUTE THE LUBRICATION FOR A BASE.
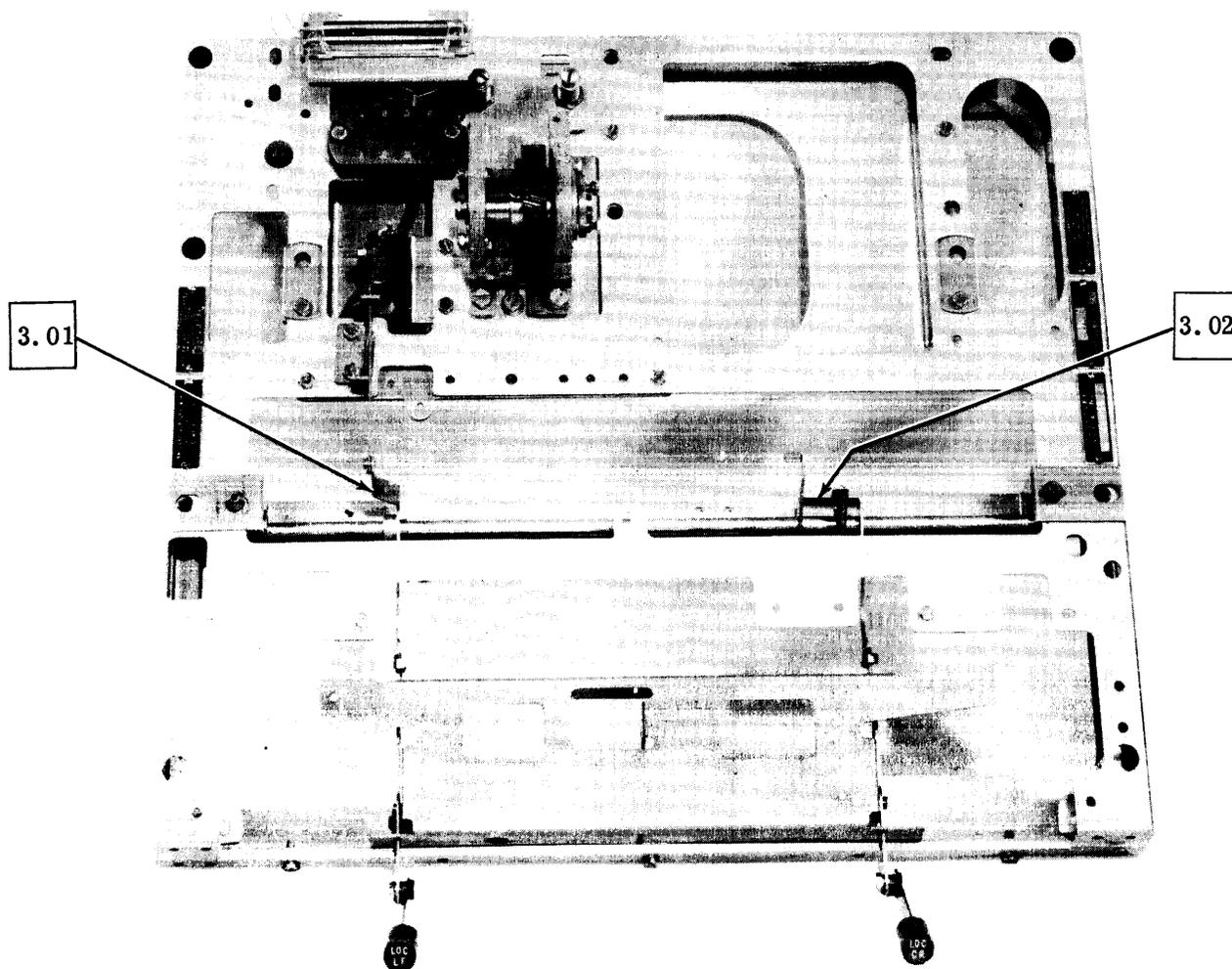
Figure 3 - Receive-Only Base

3.01   Local Line Feed Mechanism (Base)

O1	Hooks-Each End	Spring
O2	Guide Slot	Local Line Feed Trip Link
G	Engaging Surface	Clutch Trip Lever Link

O1	Bearing Surface (2 Places)	Function Bail
G	Engaging Surface	Local Line Feed Function Lever
O1	Bearing Surface	Function Lever
O1	Bearing Surface	Keylever
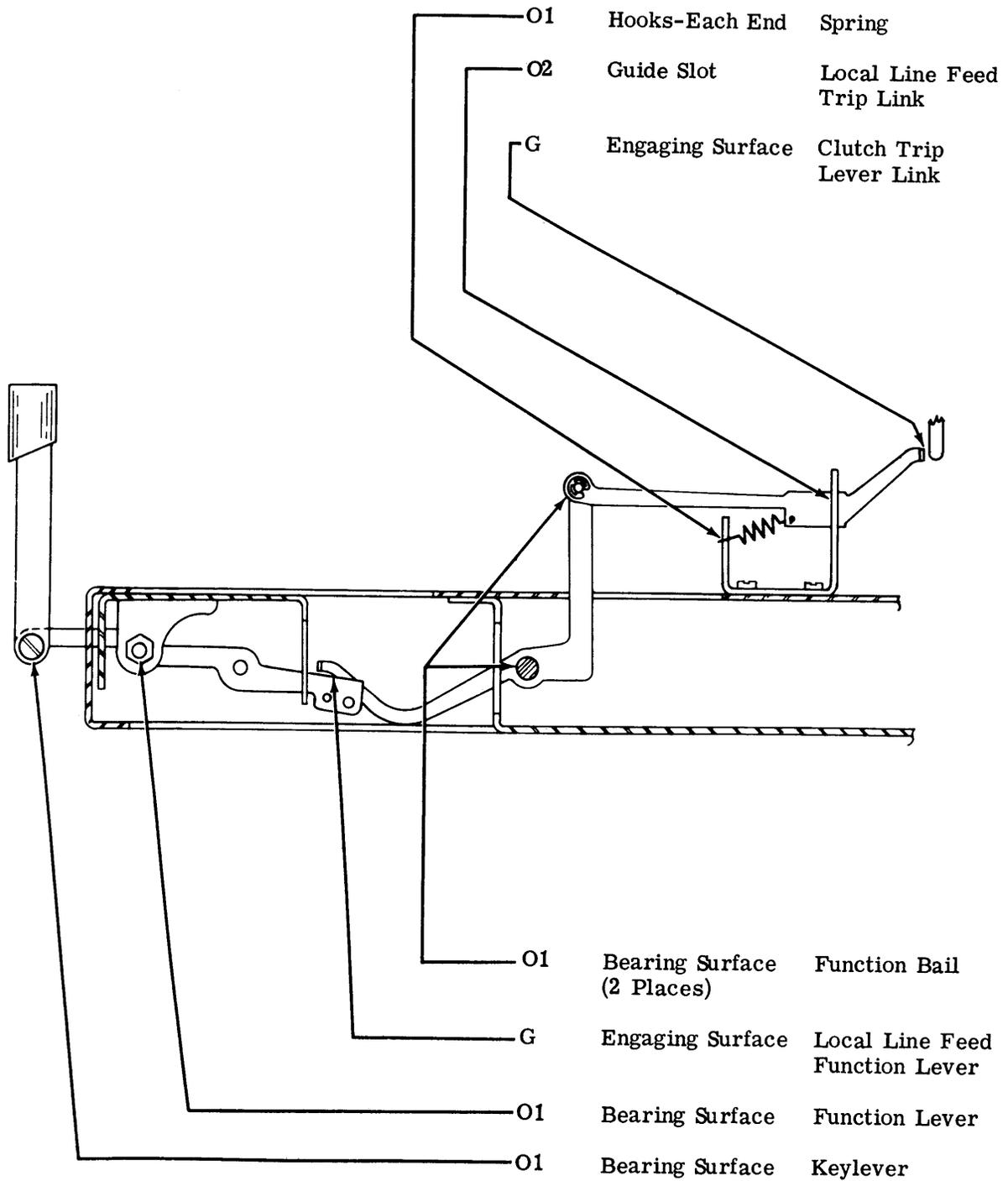
3.02   Local Carriage Return Mechanism (Base)

O1	Bearing Surface	Function Lever	
O1	Hooks-Each End	Spring	
G	Engaging Surface	Local Carriage Return Function Bail	

O1	Bearing Surface (2 Places)	Local Carriage Return Function Bail
G	Engaging Surface	Local Carriage Return Function Lever
O1	Engaging Surface	Keylever