

32 AND 33 TYPING UNIT

LUBRICATION

CONTENTS	PAGE	CONTENTS	PAGE
1. GENERAL	1	Stop bail	4
2. BASIC UNITS	2	Trip lever	3
COMMON MECHANISMS	2	Trip shaft	5
Armature	7	Typewheel mechanism	15
Automatic codebar	8	FRICITION FEED MECHANISMS	18
Blocking levers	8	Line feed mechanism	19
Carriage area	13	Paper feed area	18
Carriage return and spacing levers	11	Platen	18
Codebars	9	SPROCKET FEED MECHANISMS	19
Codebar clutch	5	Cam, pulley, and gear combination	21
Dashpot	13	Form-out mechanism	22
Disc and brushes	3	Line feed clutch	22
Distributor area	2	Paper feed area	19
Drive mechanism	12	Platen mechanism	20
Function area	8	Platen drive area	21
Function clutch	5	3. VARIATIONS TO BASIC UNITS	23
Function levers	10	Answer-back area	23
Intermediate gears	17	Answer-back mechanism	24
Latchlever	3	Trip magnet	23
Latchlever and trip lever	6	1. GENERAL	
Main shaft area	4	1.01 This section is issued to provide in-	
Motor	17	structions for lubricating the 32 and 33	
Motor area	17	typing unit and to present the lubricating in-	
Print hammer	14	structions as a separate section.	
Push levers and stripper bail	7	1.02 The general lubrication areas are illus-	
Reset arm	14	trated by photographs. The specific	
Reset bail	9	points to receive lubricant are indicated on	
Ribbon guide spring	15	line drawings with appropriate textual instruc-	
Ribbon mechanism	16	tions. Line drawings and textual instructions	
Rocker and pawls	9	follow each photograph and are keyed to the	
Selector area	6	photograph by paragraph numbers.	
Selector clutch	6		
Selector levers	7		
Slides	16		
Slide guide plates - 1	14		
Slide guide plates - 2	15		
Spacing area	10		
Space bellcrank	10		
Spacing mechanism - 1	11		
Spacing mechanism - 2	12		

SECTION 574-122-701

1.03 Thoroughly lubricate the typing unit, but avoid over lubrication that might permit the lubricant to drip or be thrown onto adjacent parts. Saturate all felt washers and oilers with oil, and apply oil to each end of all bearings. Use KS7470 Oil where oil is required and KS7471 Grease where grease is required.

1.04 Lubricate the typing unit before placing it into service or prior to storage. After a short period of service, relubricate it to make sure no areas have been missed. Thereafter, lubricate the typing unit at regular intervals as indicated below:

Operating Speed (Words per Minute)	Lubrication Interval
60 or 66	1000 hr* or 1 yr**
100	500 hr* or 6 mo**

*Station Set operating hours.

**Whichever comes first.

1.05 The textual instructions that accompany the line drawings consist of abbreviated directions, specific lubrication points, and parts affected. The meanings of the abbreviated directions (symbols) follow:

Symbol	Meaning
D	Keep dry - no lubricant permitted
G	Apply thin coat of KS7471 Grease

Symbol	Meaning
GOL	Brush on well a mixture of 50% KS7471 Grease and 50% KS7470 Oil
OL	Oil liberally (3 or more drops)
OS	Oil sparingly (1 or 2 drops only)
OSAT	Saturate with oil (felt washers and oilers)
OSD	Oil sparingly or leave dry**
OSL	Oil sparingly or liberally

**Applies to all areas not contacted by other parts.

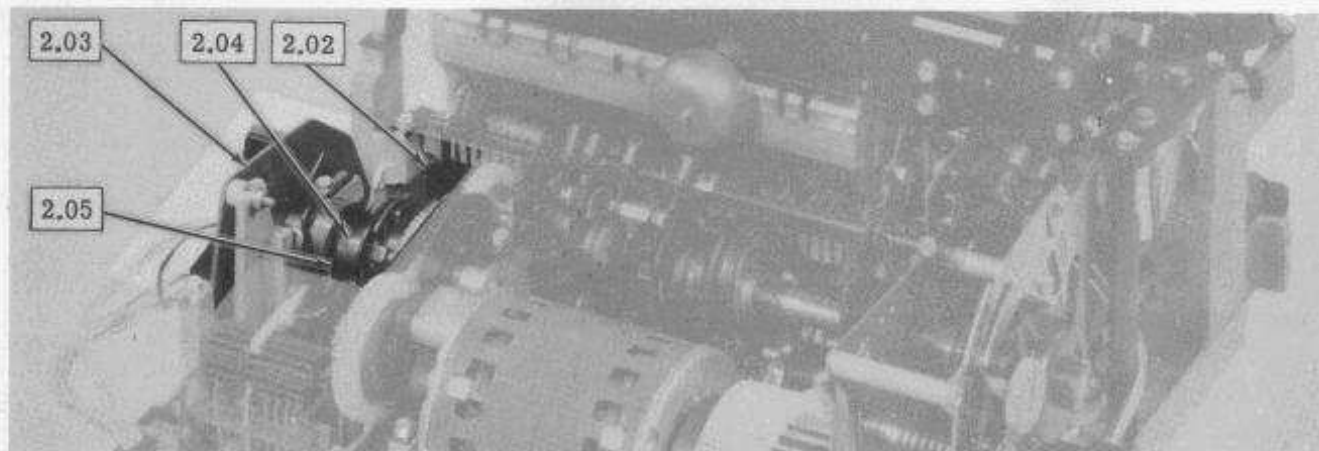
1.06 References to "left," "right," "front," or "rear," etc consider the typing unit to be viewed from a position where the carriage area faces up and the selector area is located to the viewer's left.

CAUTION: DO NOT USE ALCOHOL, MINERAL SPIRITS, OR OTHER SOLVENTS TO CLEAN PLASTIC PARTS OR PARTS WITH PROTECTIVE-DECORATIVE FINISHES. NORMALLY, A SOFT, DRY CLOTH SHOULD BE USED TO REMOVE DUST, OIL, GREASE, OR OTHERWISE CLEAN PARTS OR SUBASSEMBLIES. IF NECESSARY, A SOFT CLOTH DAMPENED WITH SOAP OR MILD DETERGENT MAY BE USED. AFTERWARDS, RINSE EACH CLEANED PART OR SUBASSEMBLY WITH SOFT, DAMP CLOTH AND BUFF WITH A SOFT, DRY CLOTH.

2. BASIC UNITS

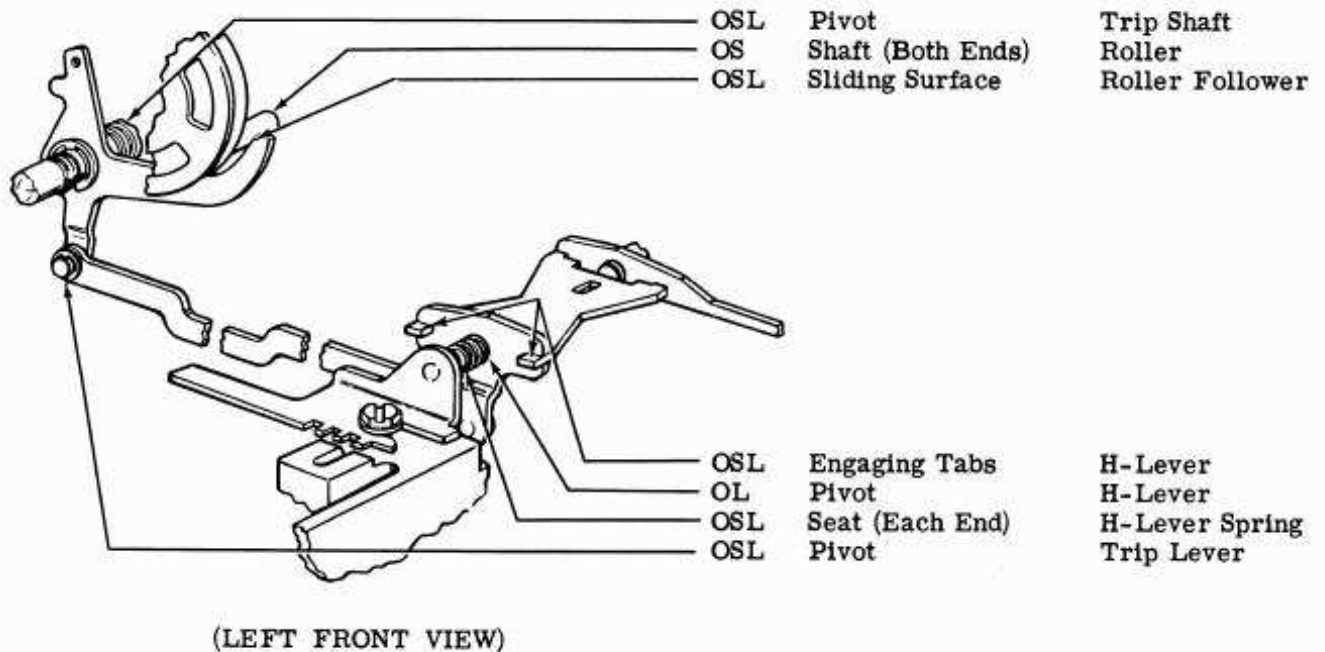
COMMON MECHANISMS

2.01 Distributor Area

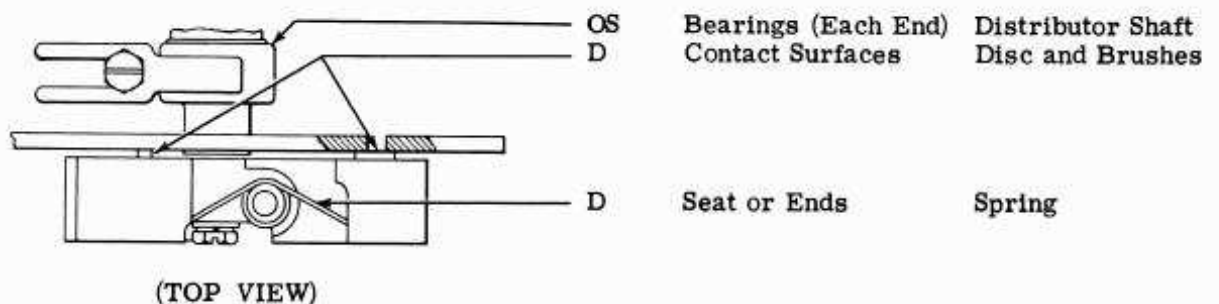


(LEFT REAR VIEW)

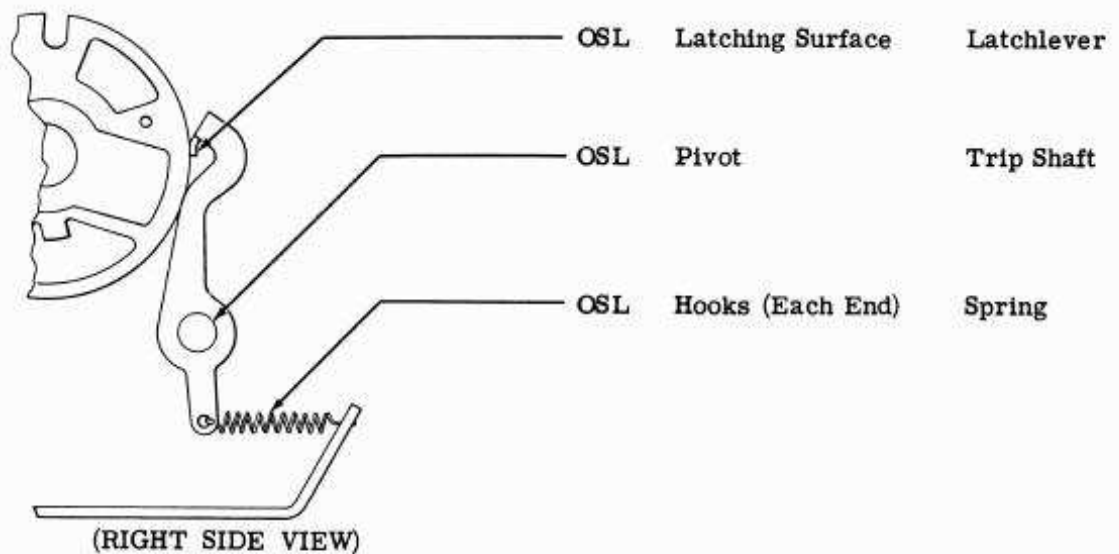
2.02 Trip Lever



2.03 Disc and Brushes

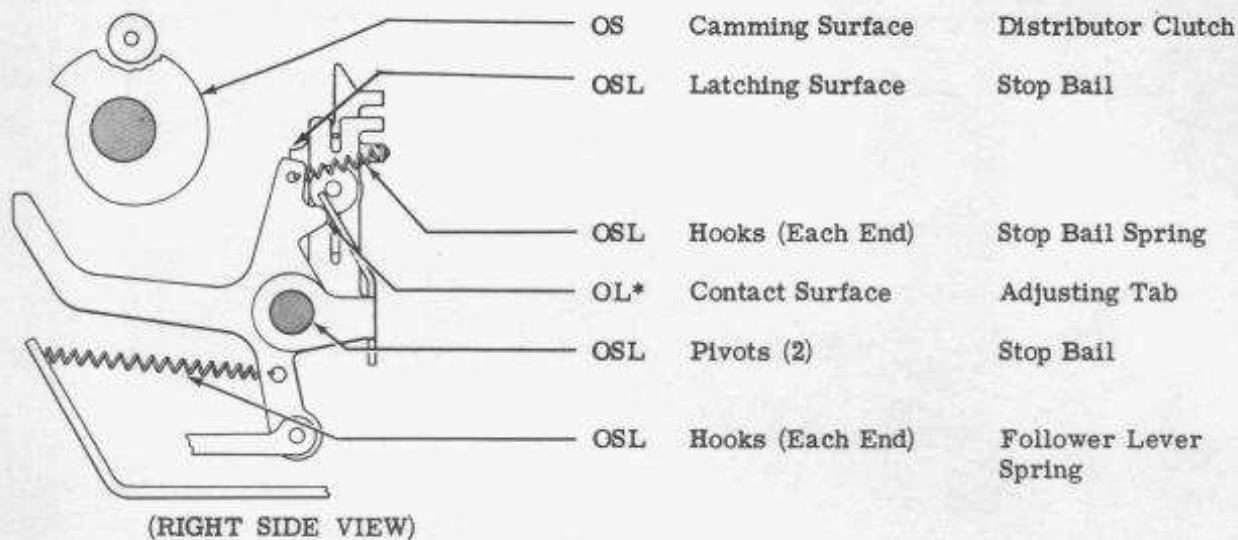


2.04 Latchlever



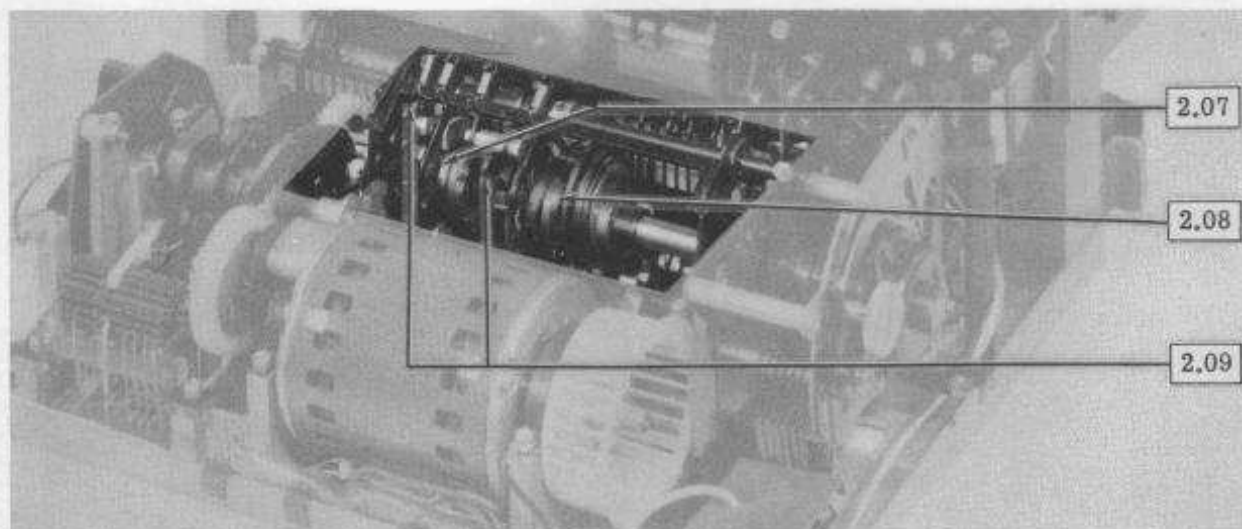
SECTION 574-122-701

2.05 Stop Bail



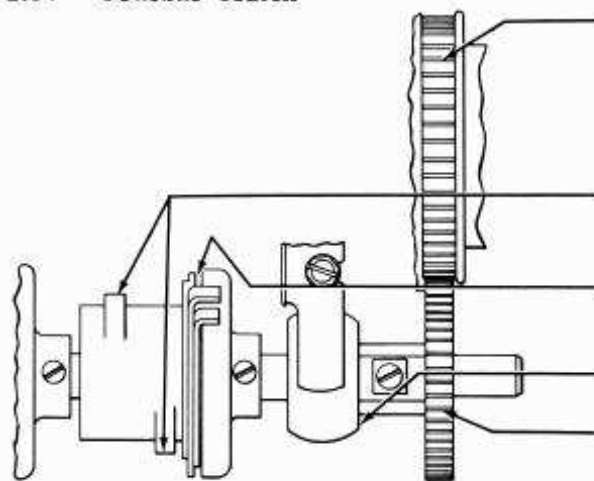
*GOL when assembly is overhauled.

2.06 Main Shaft Area



(LEFT REAR VIEW)

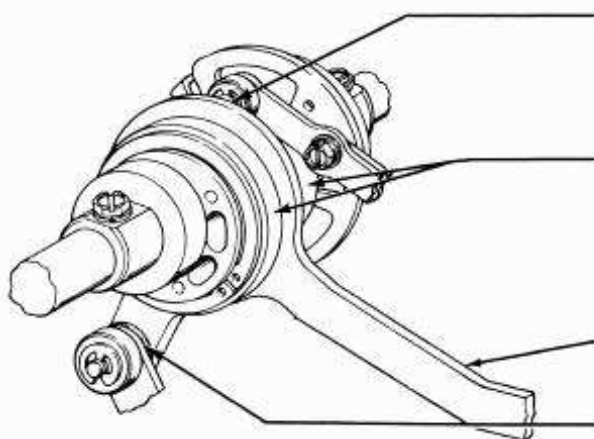
2.07 Codebar Clutch



(TOP VIEW)

G	Teeth	Distributor Gear
(Do not grease teeth of motor belt sprocket)		
OL*	Camming Surfaces	Eccentric Cams
OSD	Interior Mechanism	All Clutches
OS	Bearings (Both Ends)	Main Shaft
G	Teeth	Gear

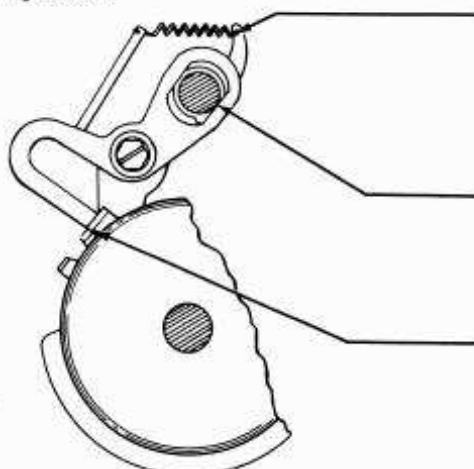
2.08 Function Clutch



(LEFT FRONT VIEW)

OS	Shaft (Each End)	Roller
OL*	Camming Surfaces	Eccentric Cams
OSL	Sliding Surface	Carriage Drive Arm
OSAT	Felt Washer	Function Drive Arm

2.09 Trip Shaft

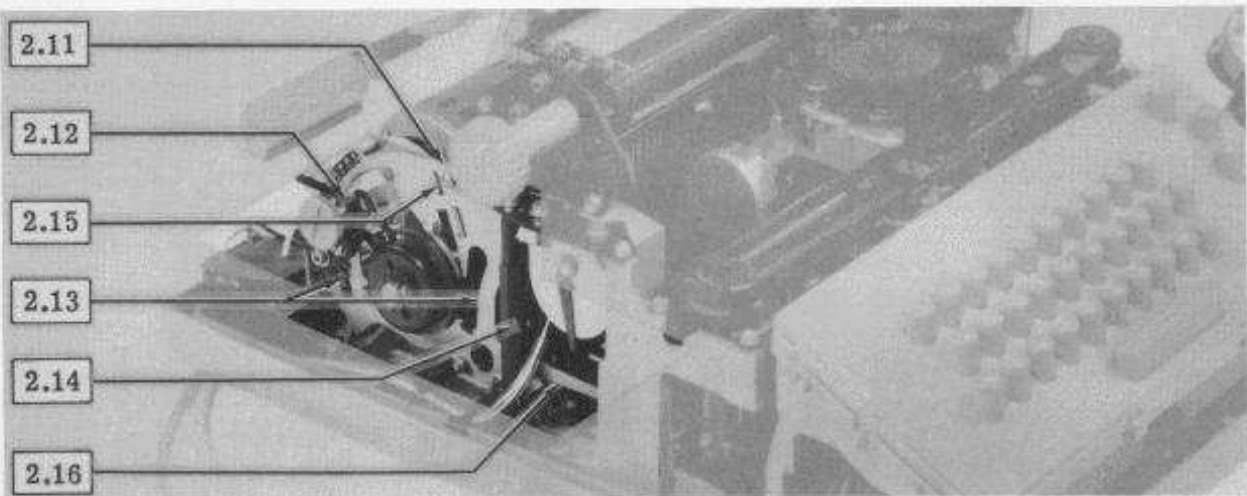


(LEFT SIDE VIEW)

OSL	Hooks (Each End)	Springs (4)
OL*	Pivot Bearings	Shaft (6 Points)
OSL	Latching Surface	Trip Lever (2)

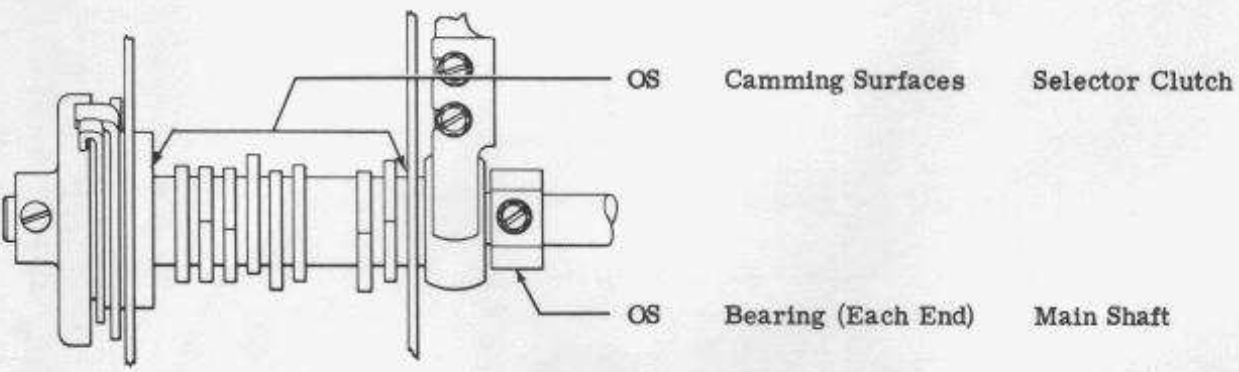
*GOL when assembly is overhauled.

2.10 Selector Area



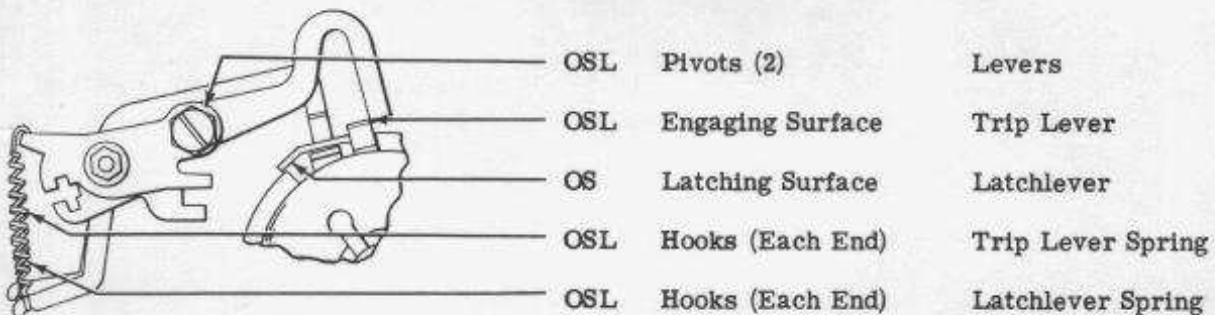
(LEFT SIDE VIEW)

2.11 Selector Clutch



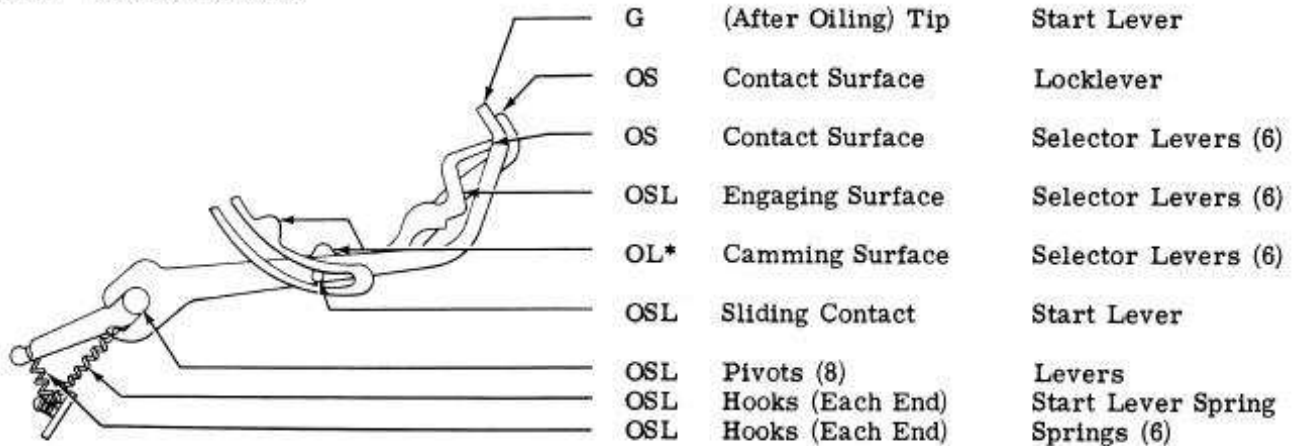
(TOP VIEW)

2.12 Latchlever and Trip Lever



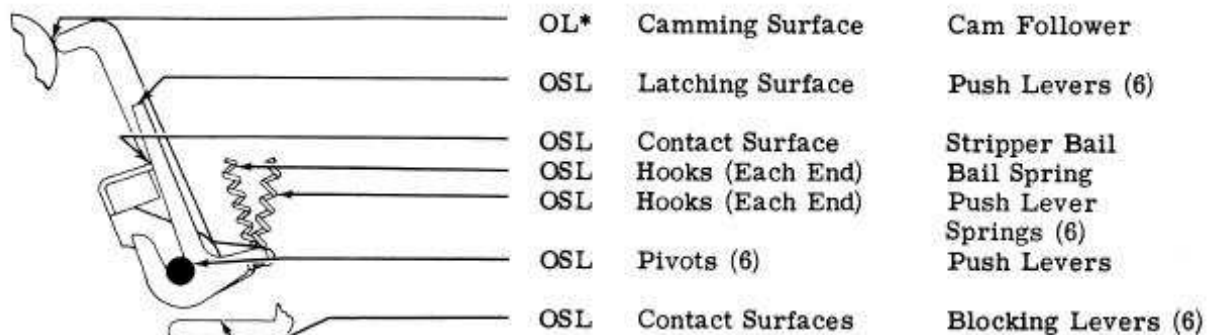
(LEFT SIDE VIEW)

2.13 Selector Levers



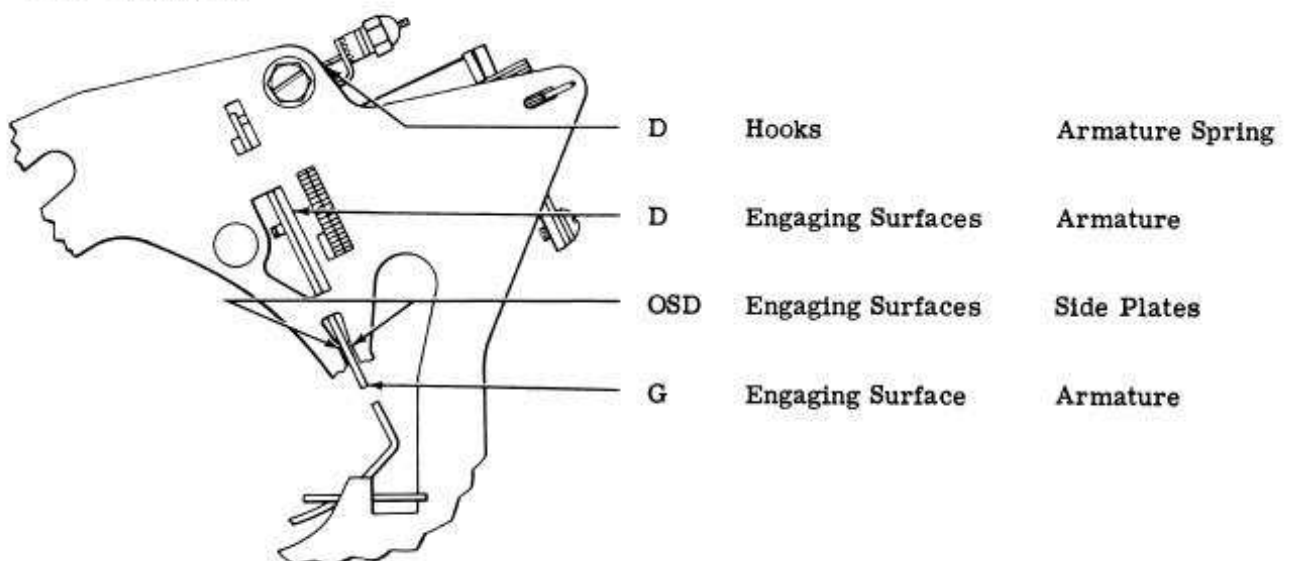
(LEFT SIDE VIEW)

2.14 Push Levers and Stripper Bail



(LEFT SIDE VIEW)

2.15 Armature

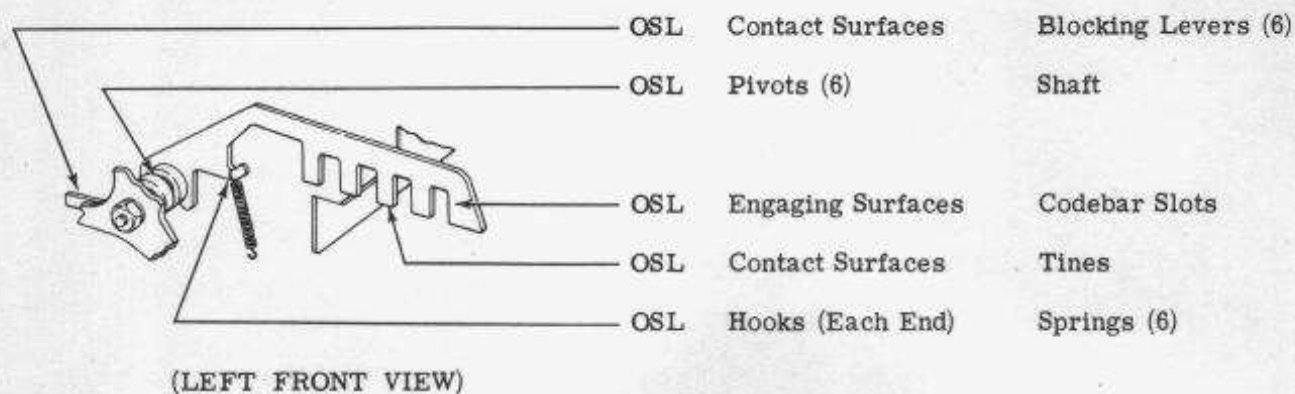


(LEFT SIDE VIEW)

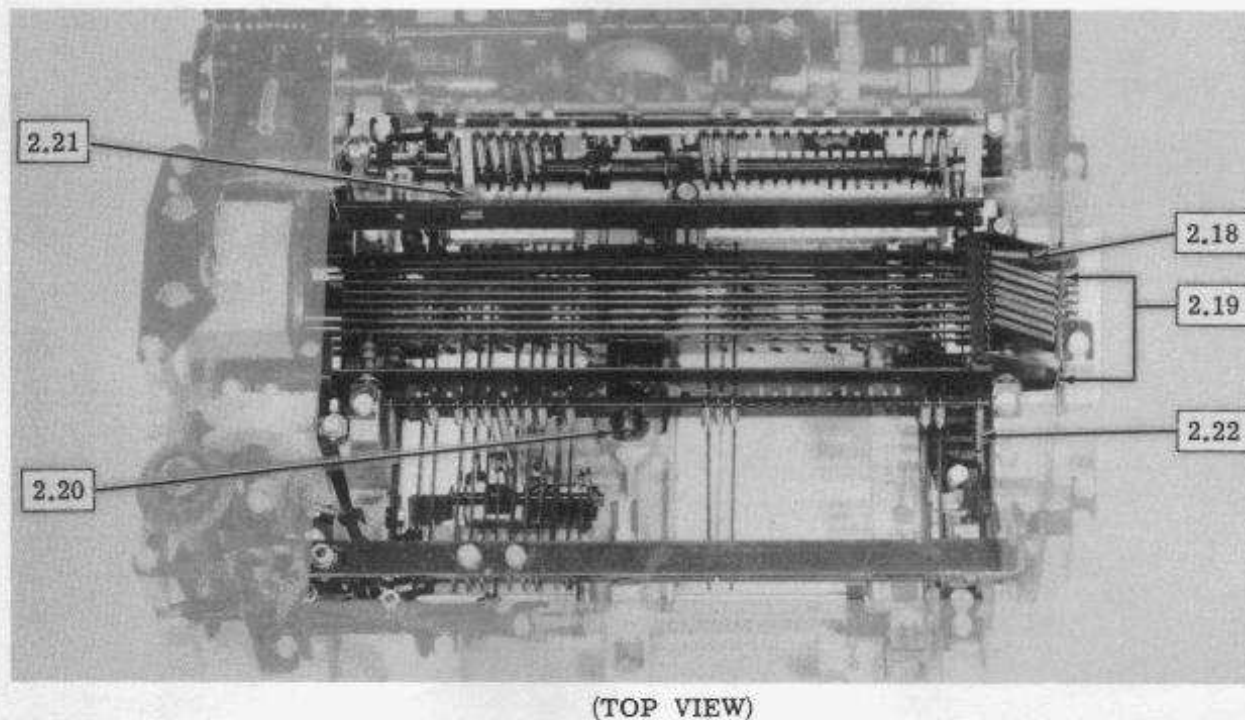
*GOL when assembly is overhauled.

SECTION 574-122-701

2.16 Blocking Levers

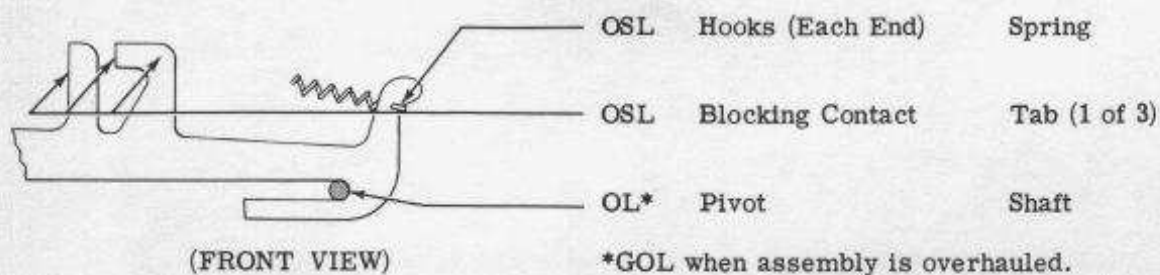


2.17 Function Area

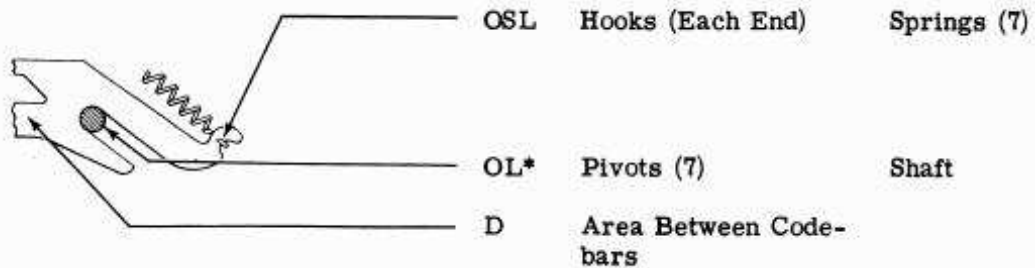


(Platen and carriage removed for illustration purposes.
Removal for lubrication is not required.)

2.18 Automatic Codebar



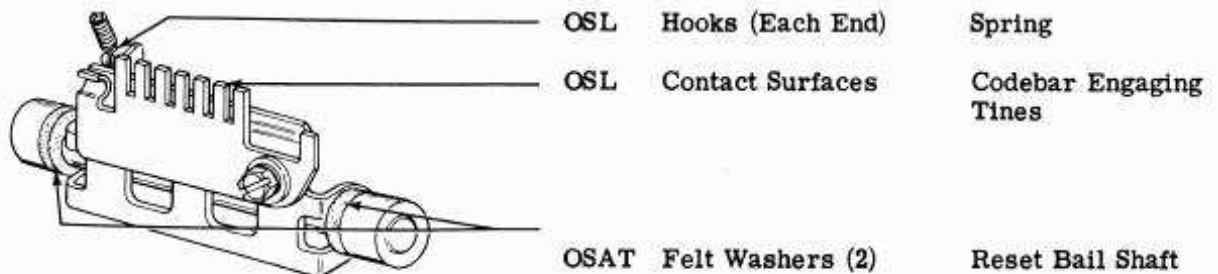
2.19 Codebars



(FRONT VIEW)

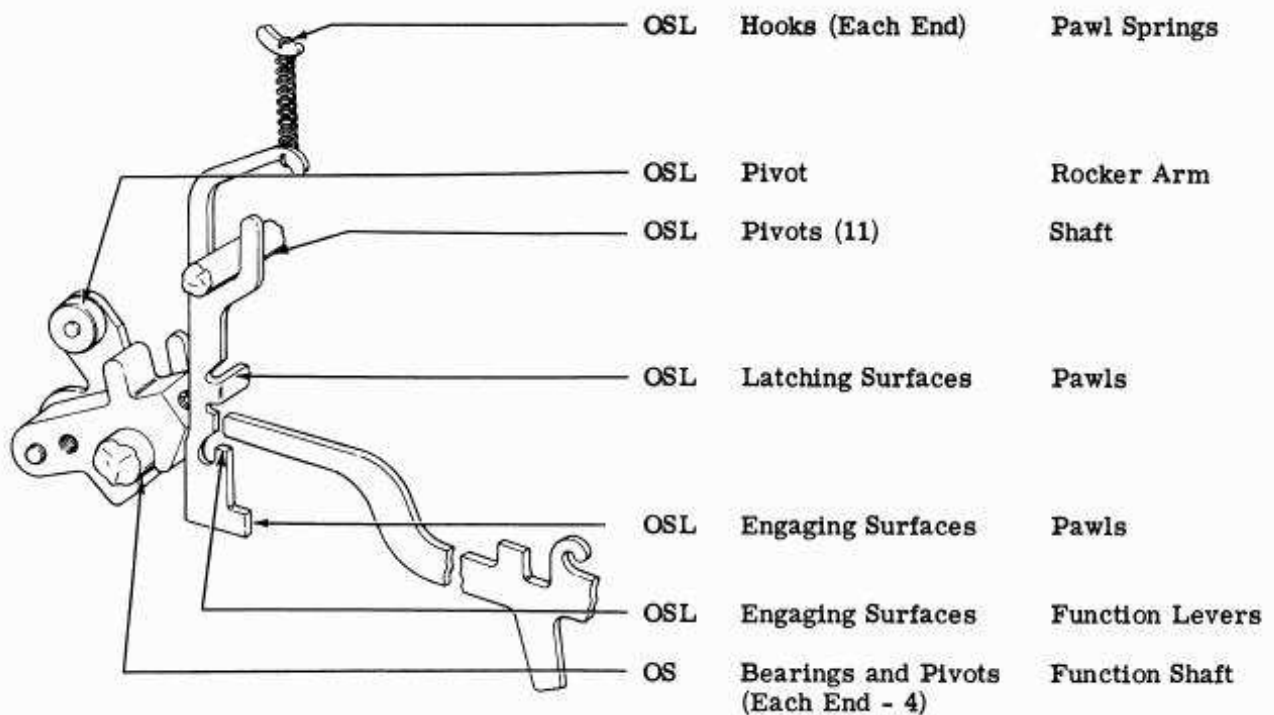
*GOL when assembly is overhauled.

2.20 Reset Bail



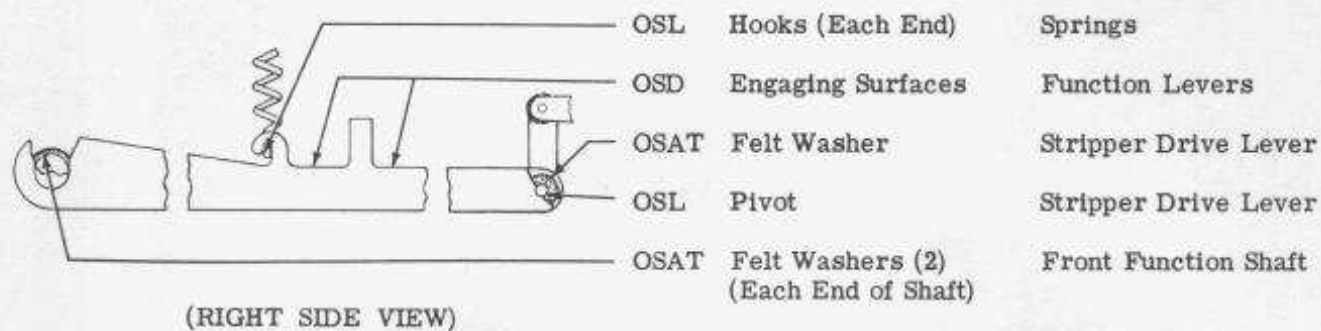
(LEFT FRONT VIEW)

2.21 Rocker and Pawls

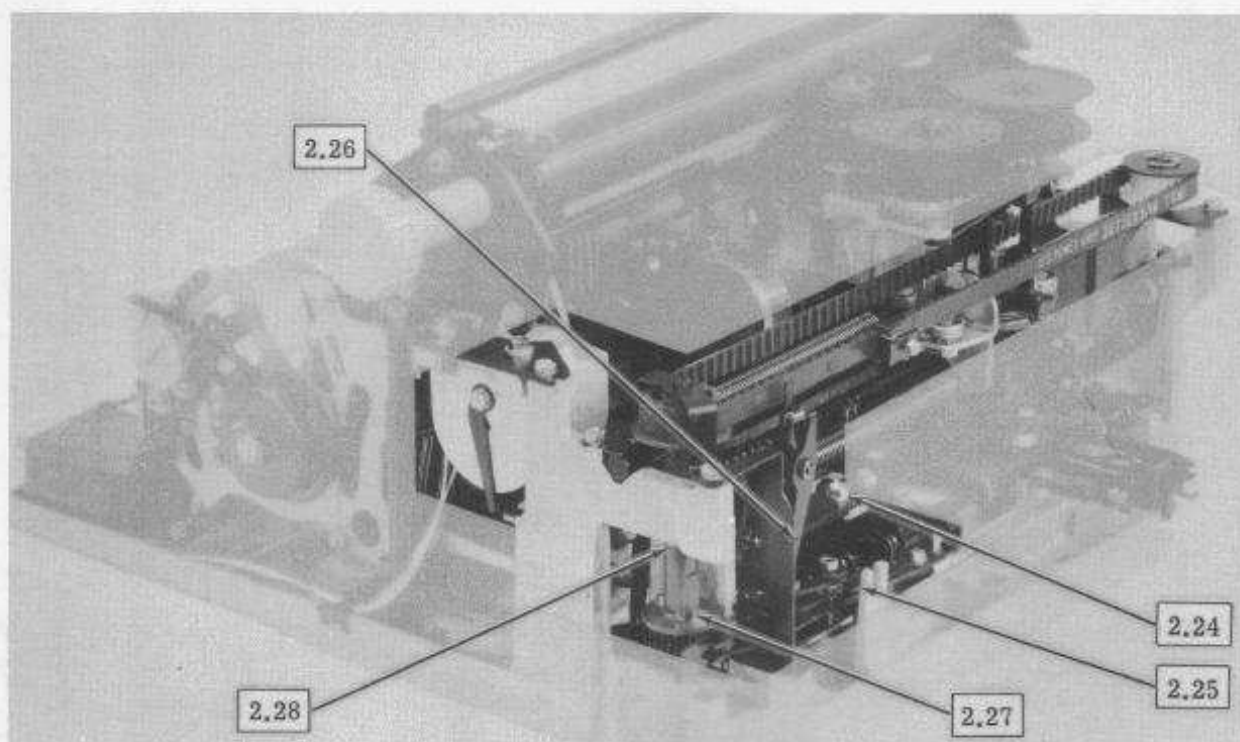


(LEFT FRONT VIEW)

2.22 Function Levers

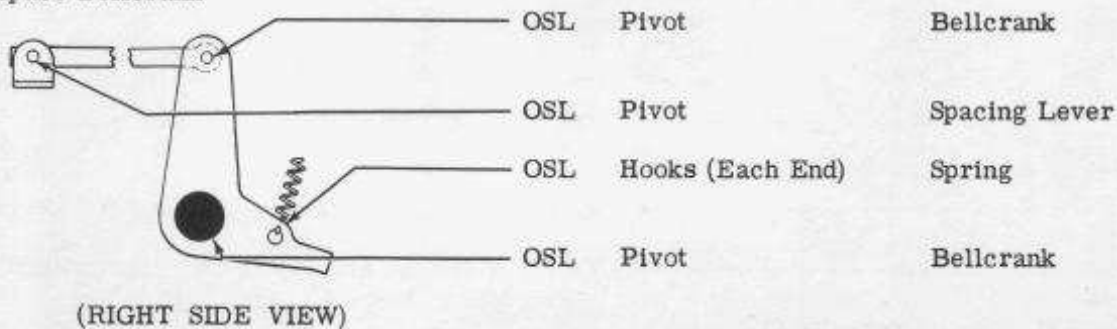


2.23 Spacing Area

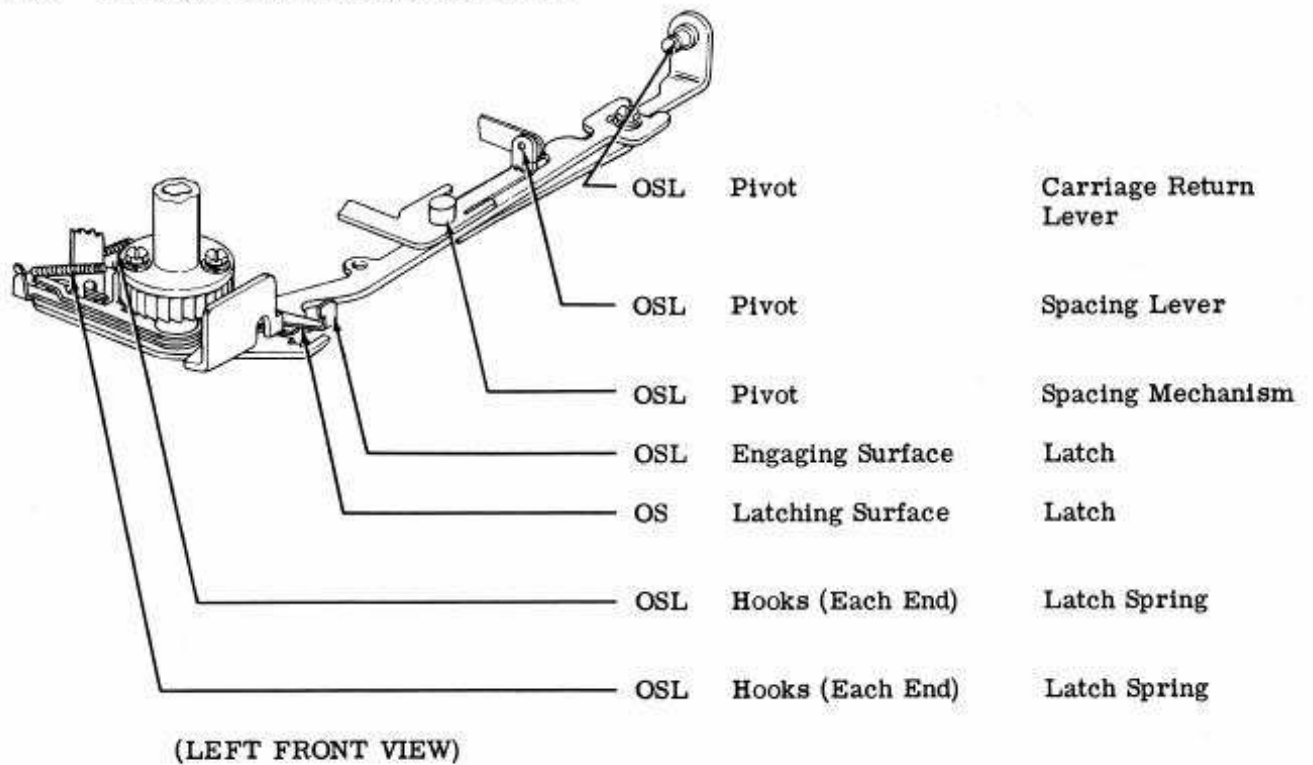


(LEFT FRONT VIEW)

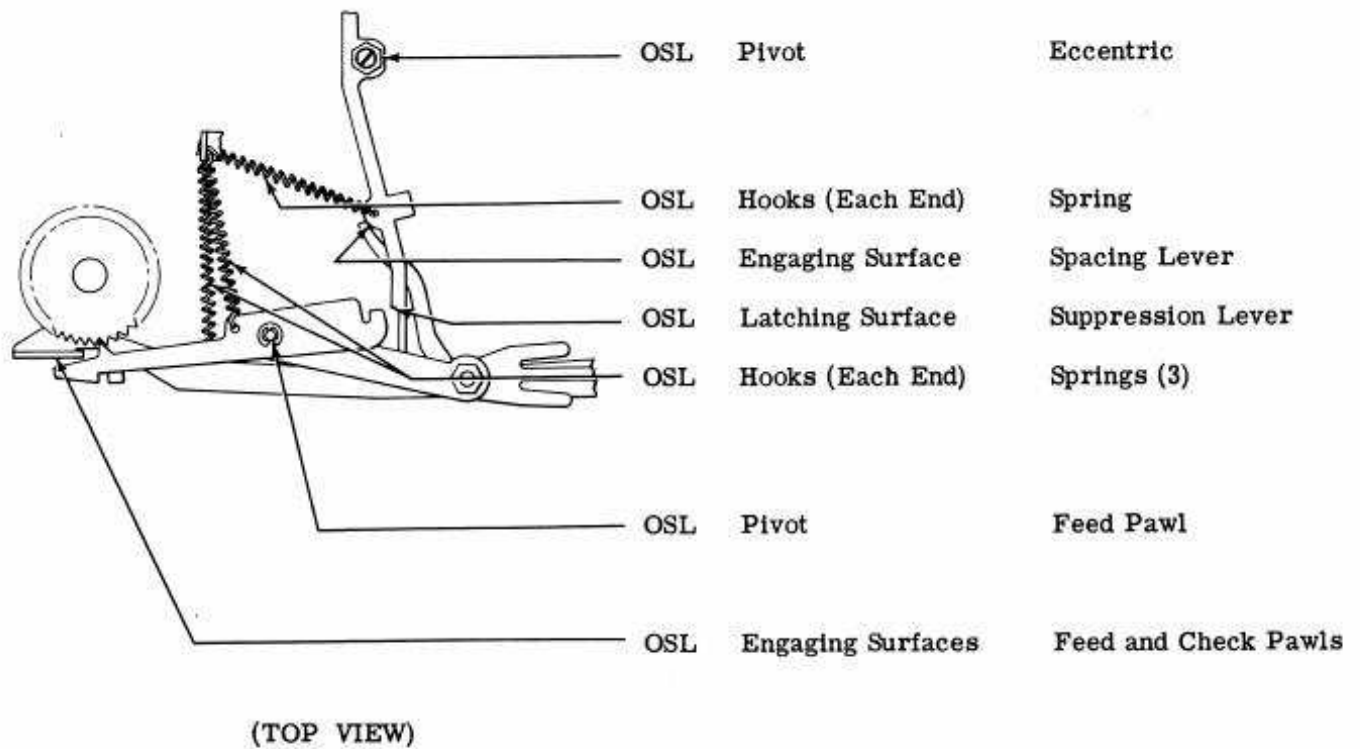
2.24 Space Bellcrank



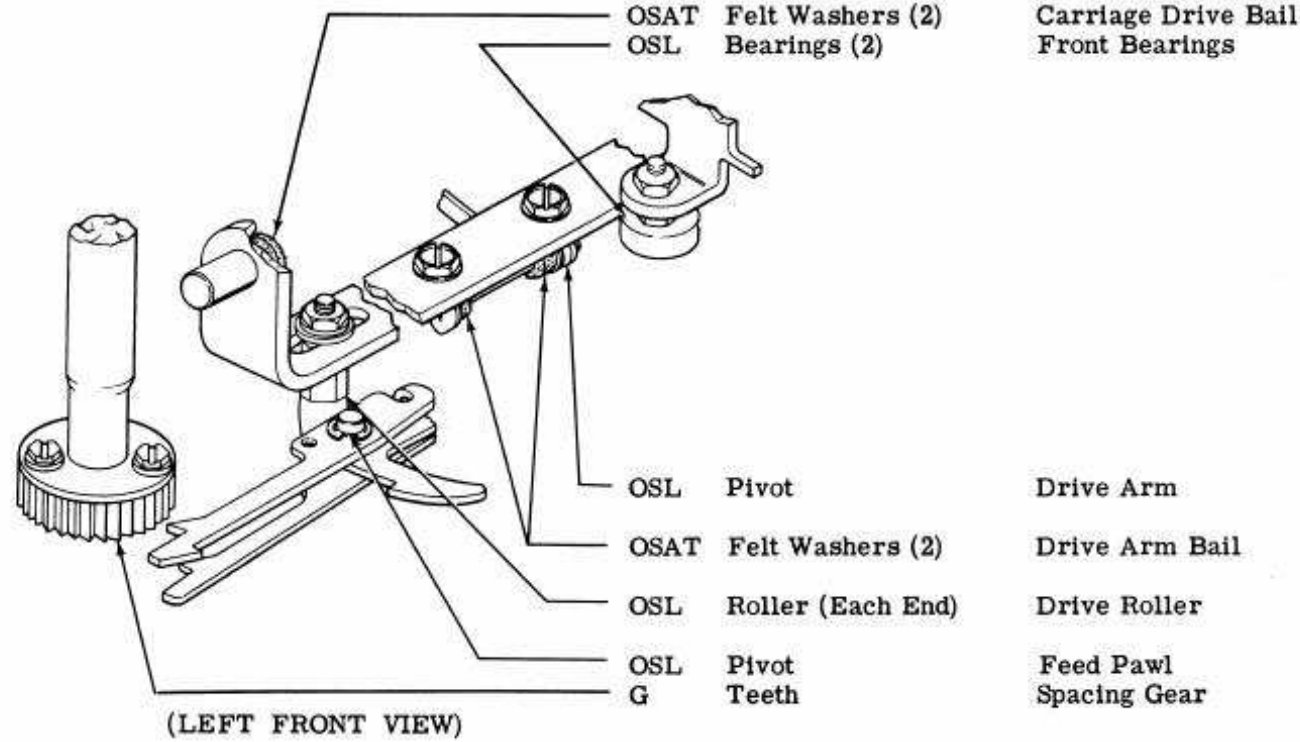
2.25 Carriage Return and Spacing Levers



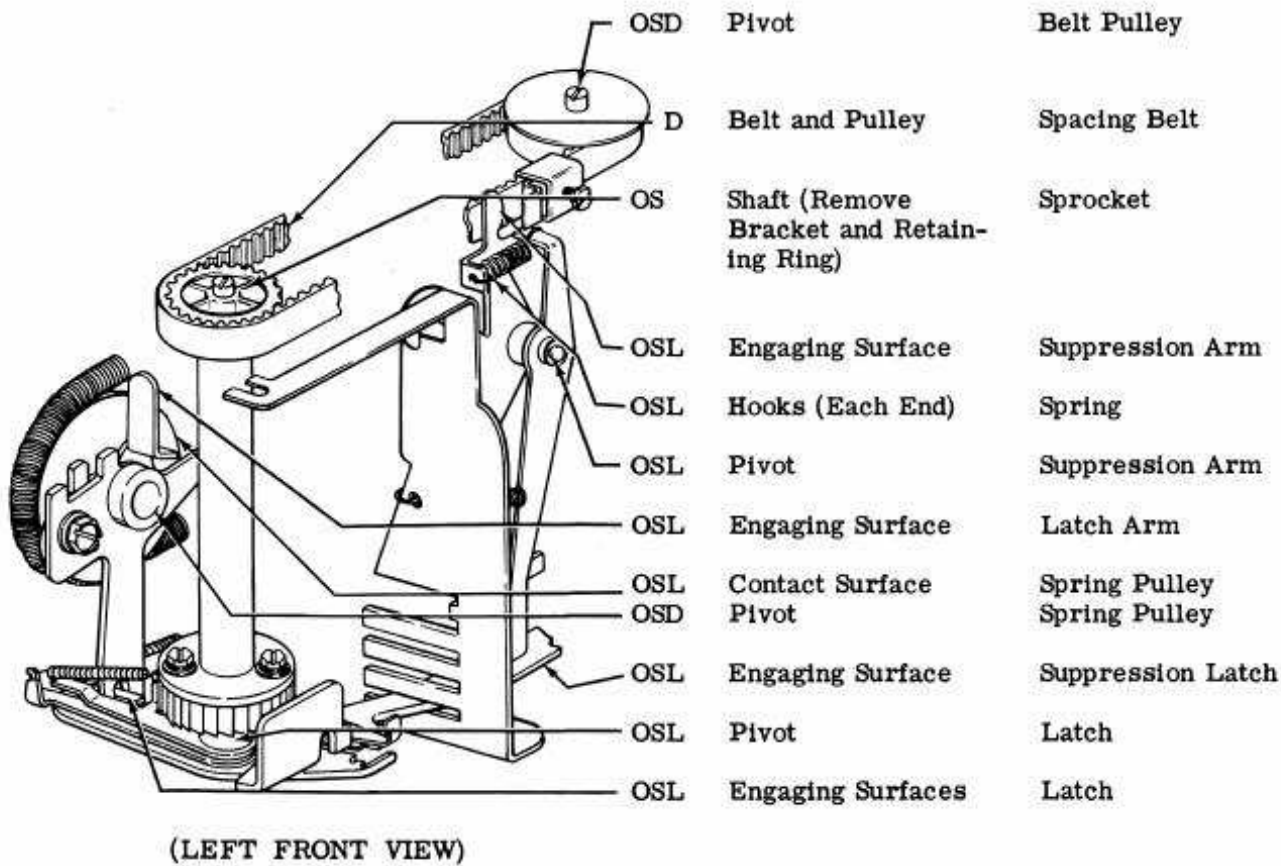
2.26 Spacing Mechanism - 1



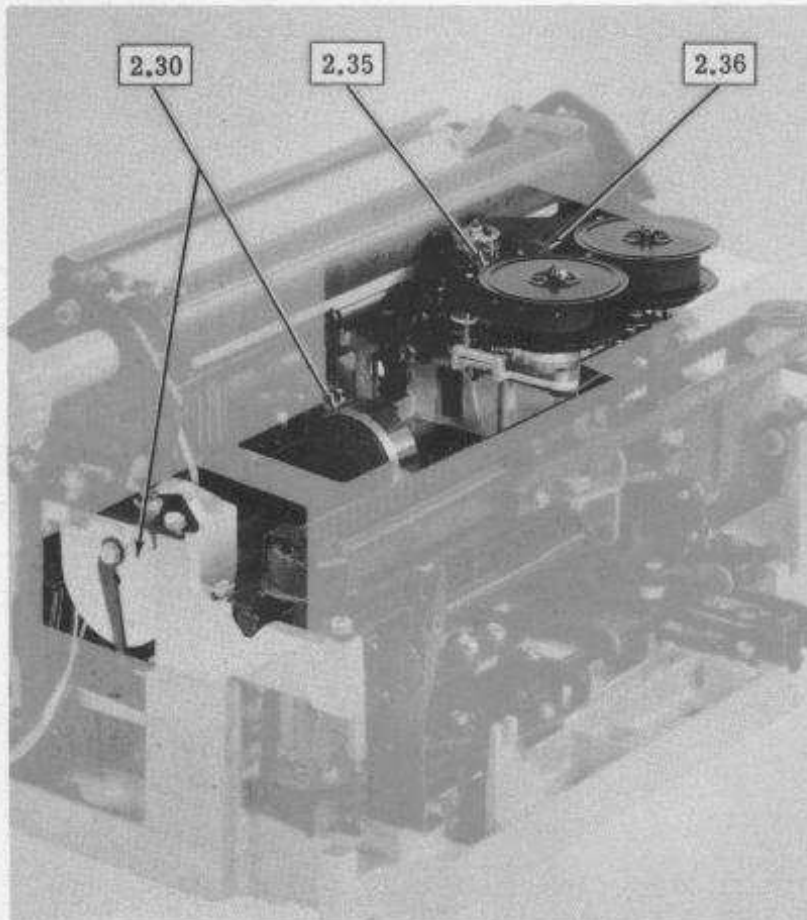
2.27 Drive Mechanism



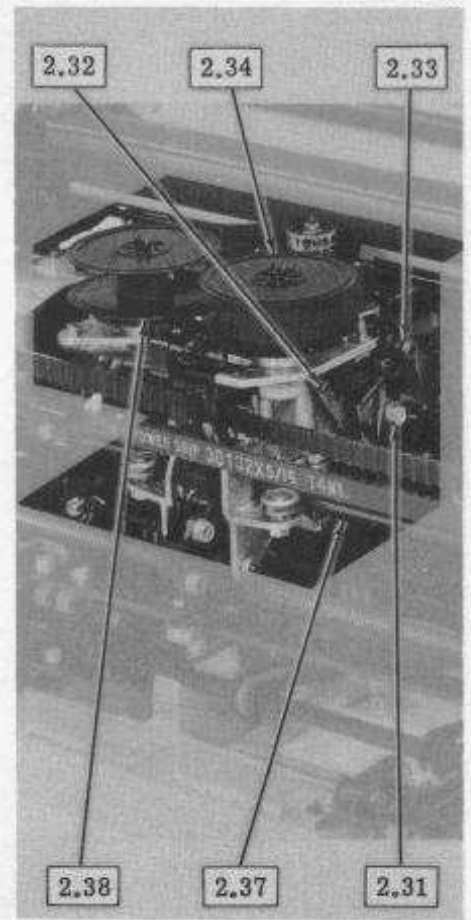
2.28 Spacing Mechanism - 2



2.29 Carriage Area



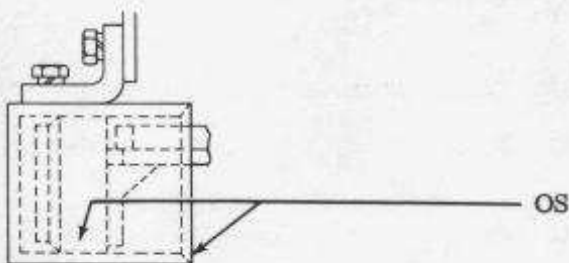
(LEFT FRONT VIEW)



(RIGHT FRONT VIEW)

Note: Remove ribbon mechanism before lubricating. For instructions, see the appropriate typing unit section.

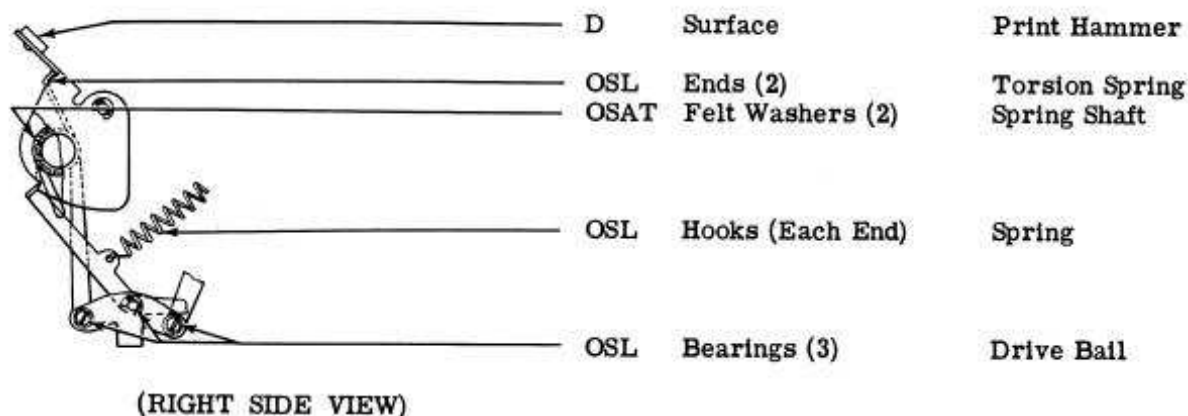
2.30 Dashpot



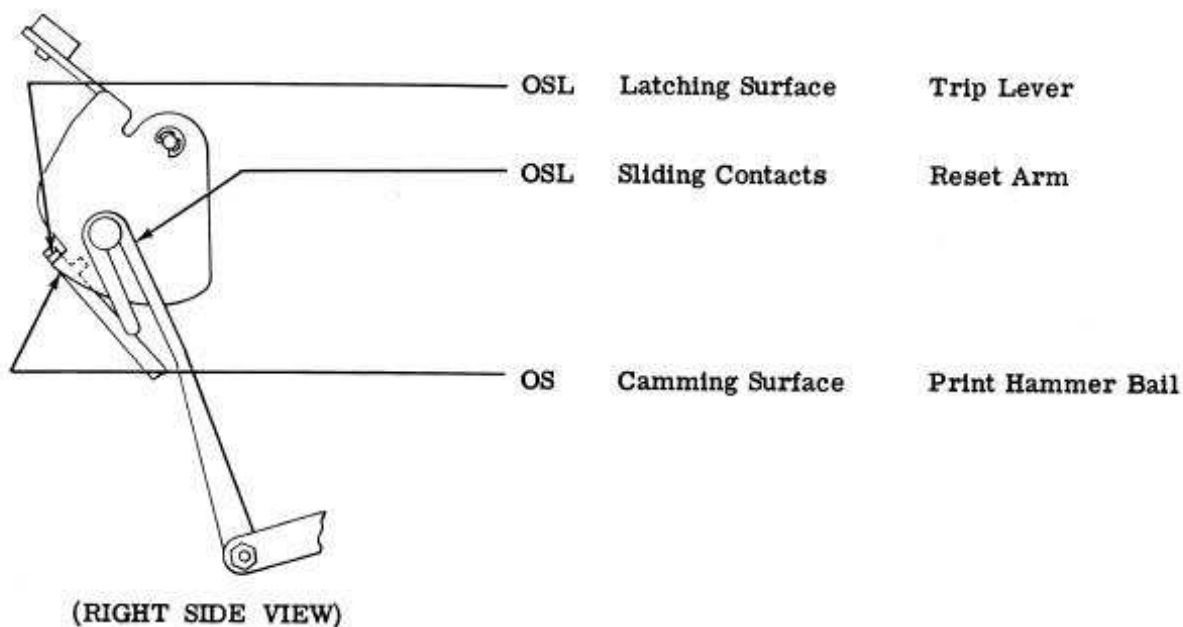
(FRONT VIEW)

Sliding Surfaces Dashpot and Cylinder
(Apply with oil dampened cloth. Too much
lubricant will cause malfunction.)

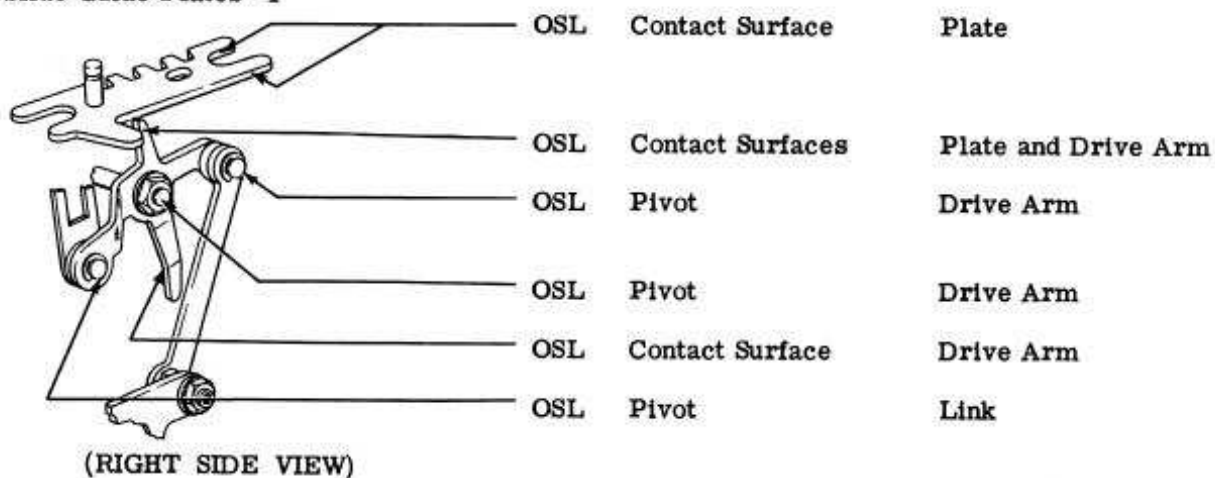
2.31 Print Hammer



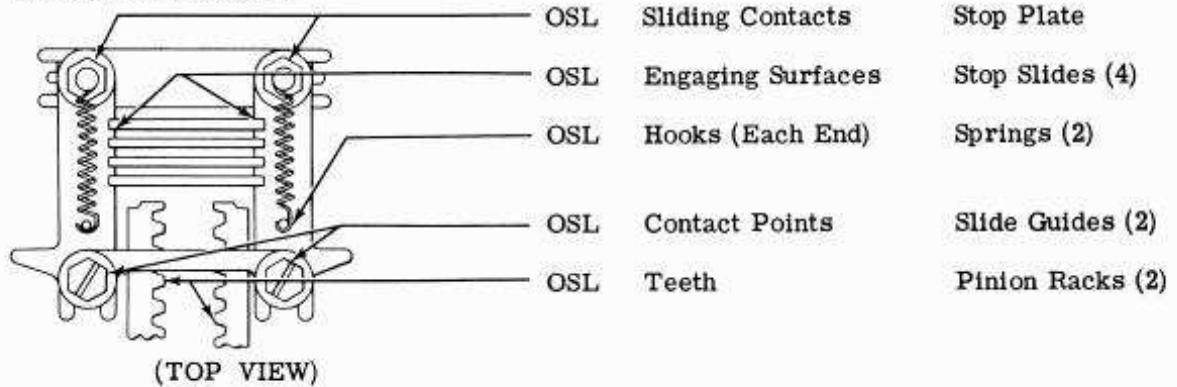
2.32 Reset Arm



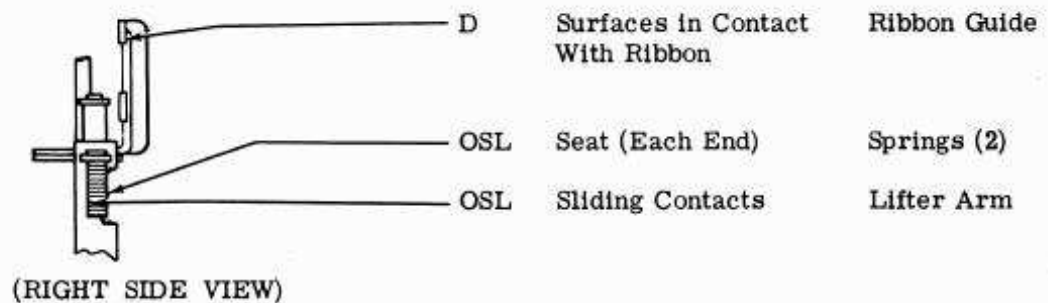
2.33 Slide Guide Plates - 1



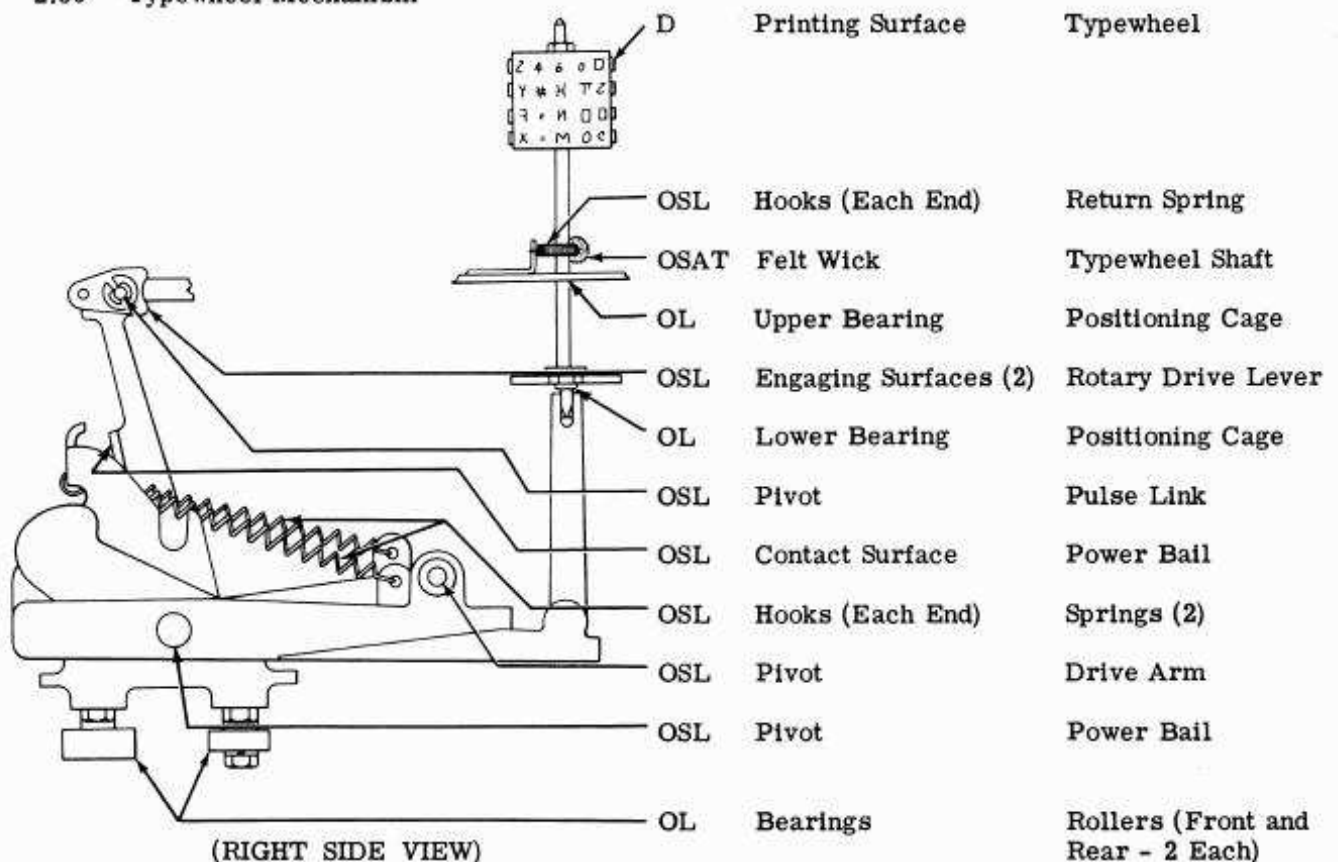
2.34 Slide Guide Plates - 2



2.35 Ribbon Guide Spring

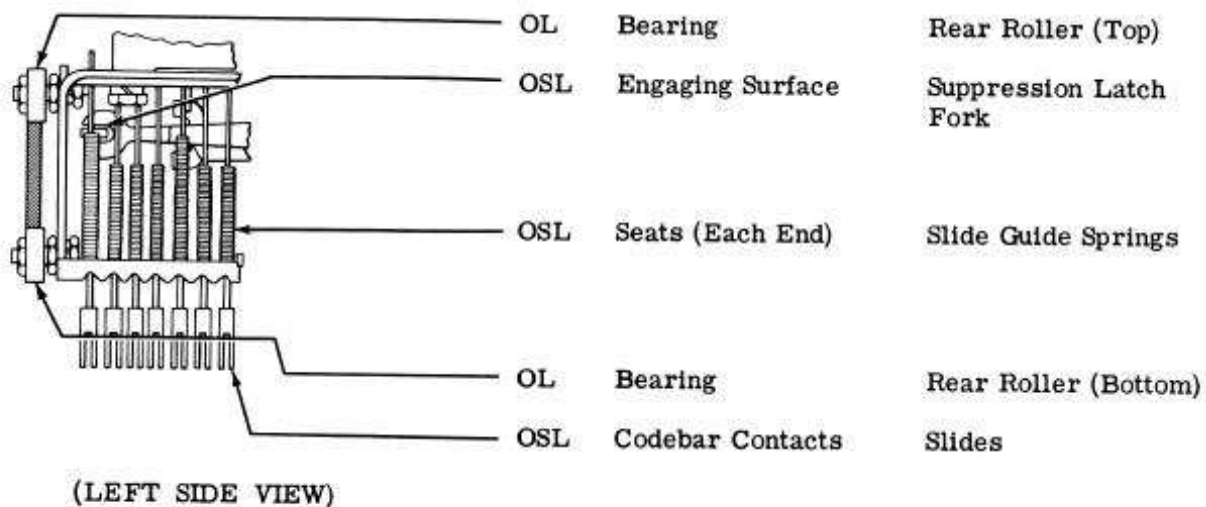


2.36 Typewheel Mechanism

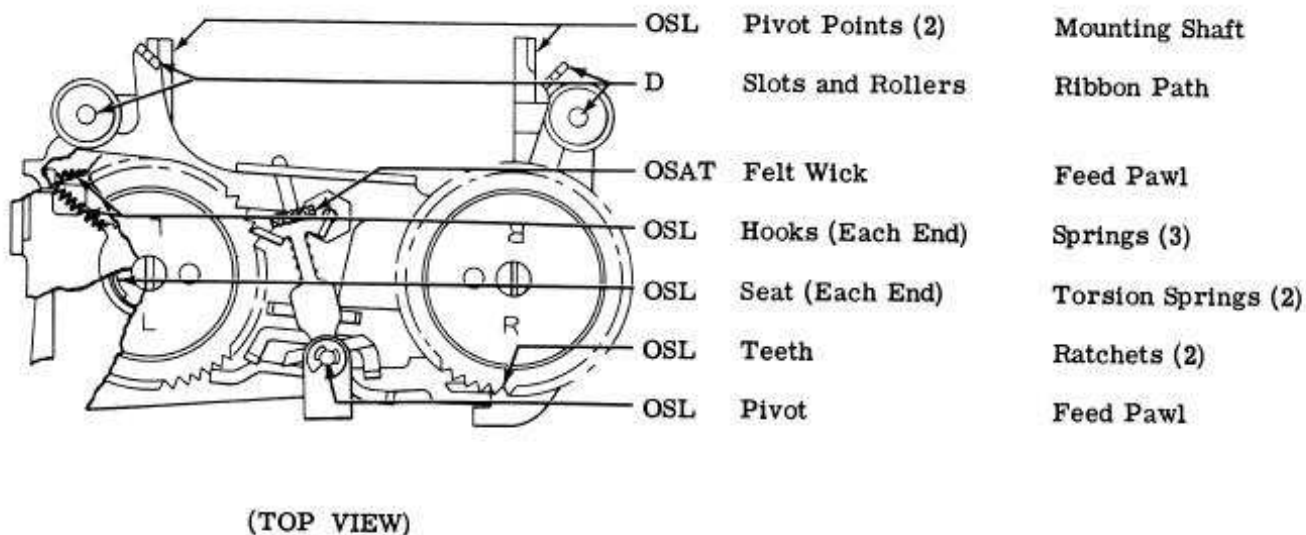


SECTION 574-122-701

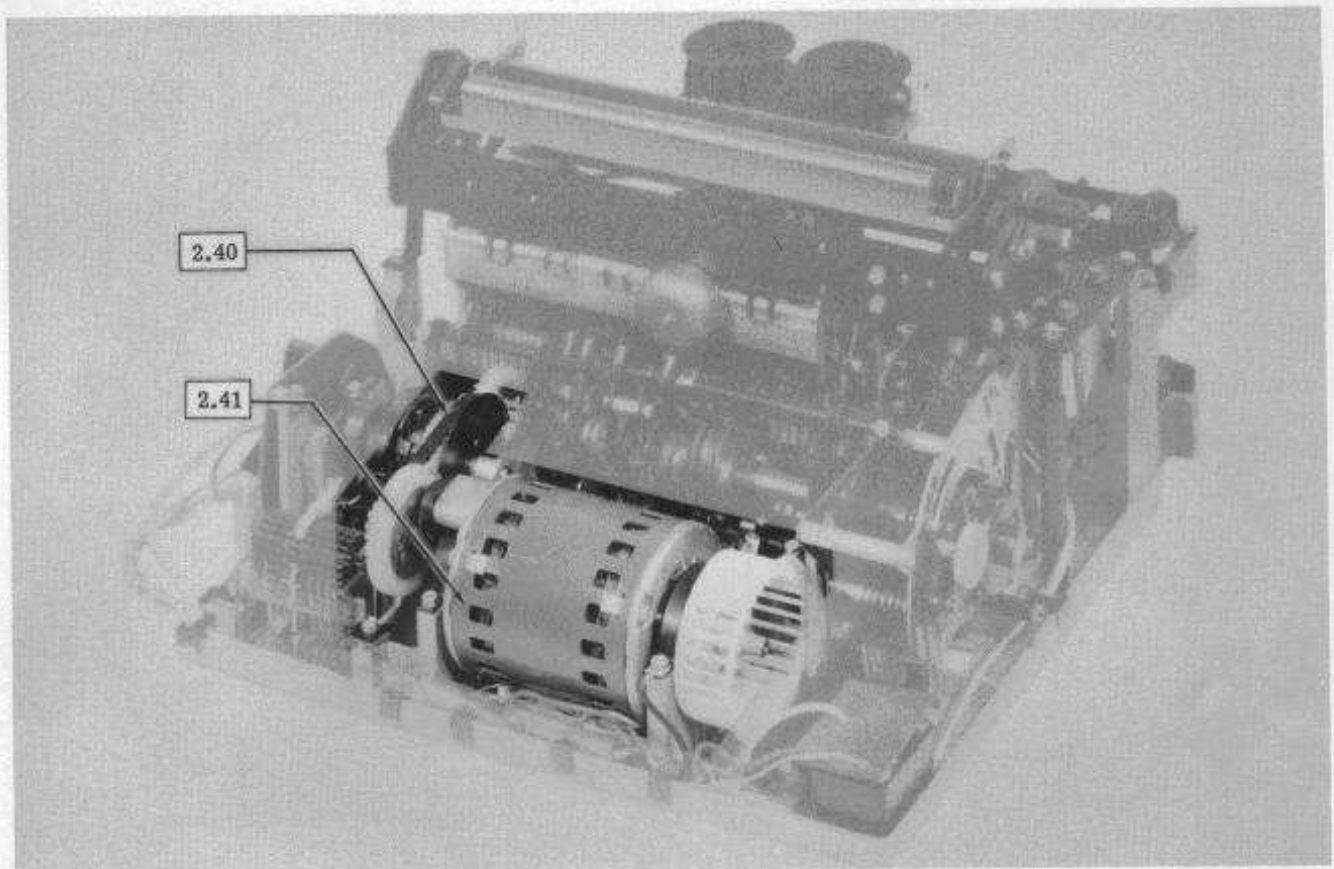
2.37 Slides



2.38 Ribbon Mechanism

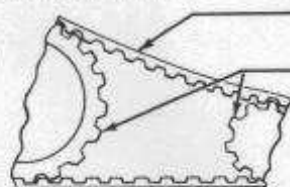


2.39 Motor Area



(REAR VIEW)

2.40 Intermediate Gears



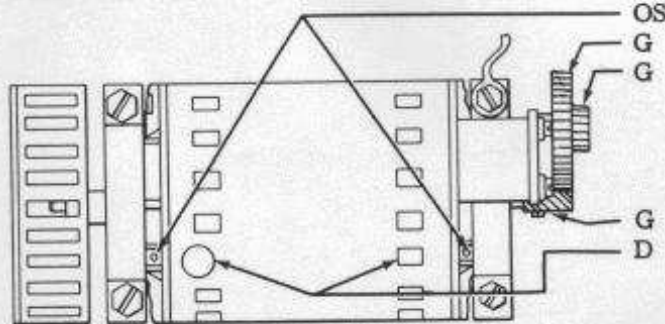
(RIGHT SIDE VIEW)

Motor Belt

Teeth

Sprockets (2)

2.41 Motor



(TOP VIEW)

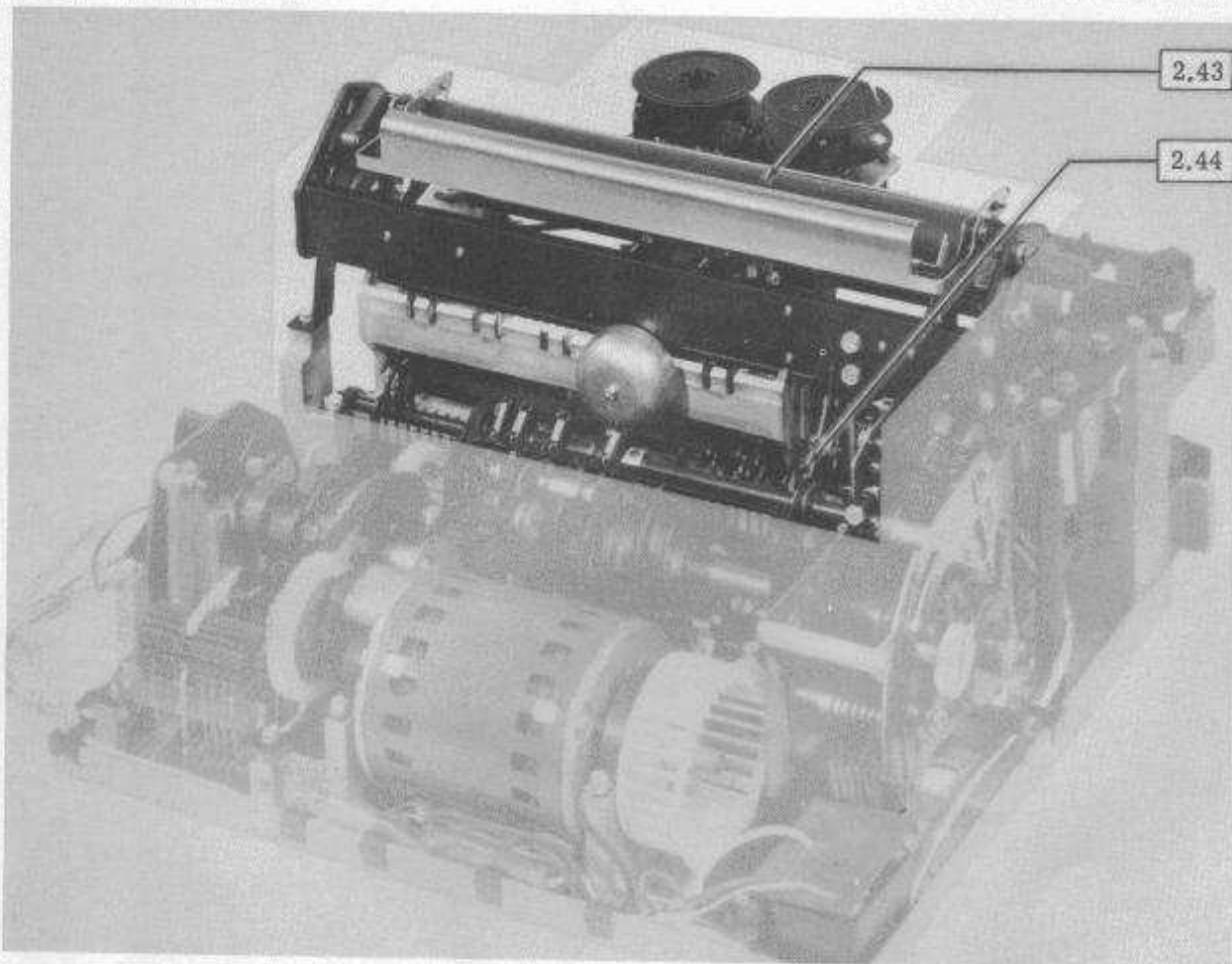
Bearings (Each End)
TeethPack Grease in Space
Between Two Oilite
Bearings. Intermedi-
ate Gear Must Be
Removed.Teeth
Interior AreasMotor Shaft
Intermediate Gear
Intermediate GearMotor Pinion
Motor

CAUTION: MOTOR START RELAY AND CAPACITOR MUST BE KEPT FREE OF LUBRICANTS.

FRICION FEED MECHANISMS

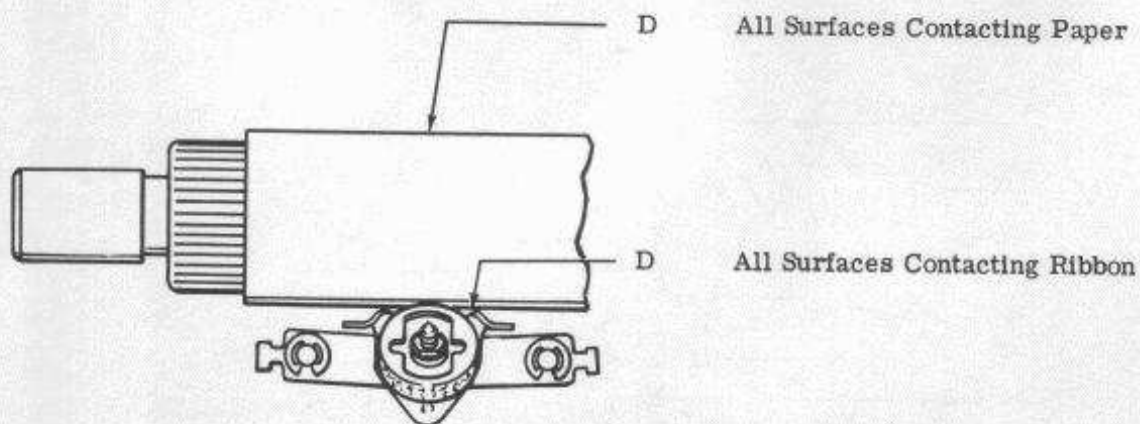
2.42 Paper Feed Area

Note: Reinstall ribbon mechanism. For instructions, see the appropriate typing unit section.



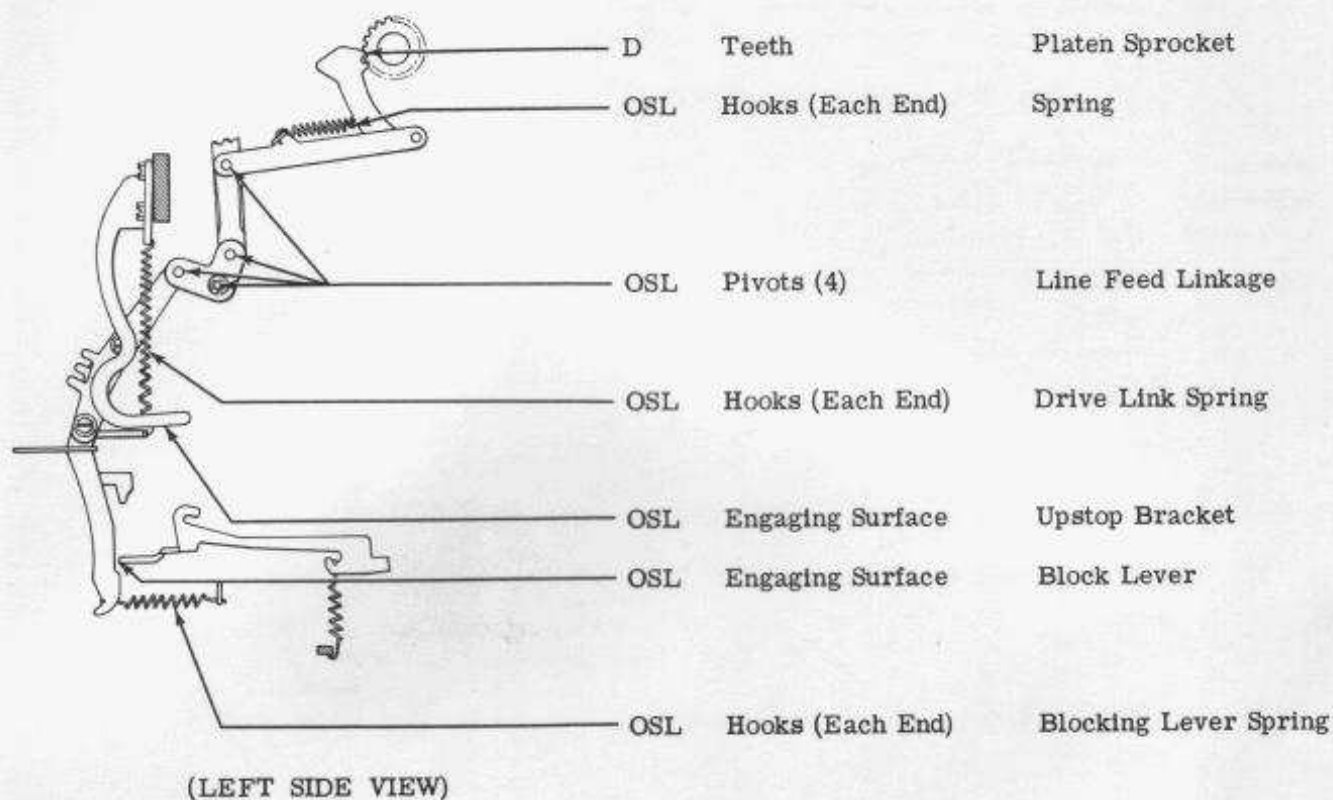
(REAR VIEW)

2.43 Platen



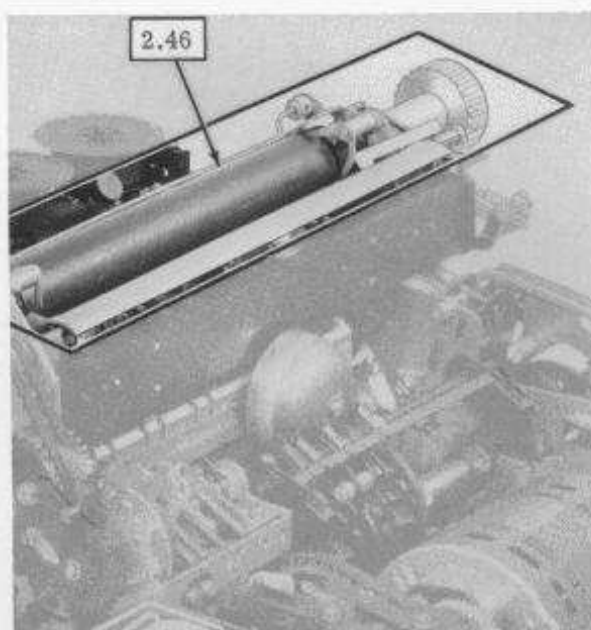
CAUTION: DO NOT CLEAN PLATEN WITH SOLVENTS.

2.44 Line Feed Mechanism



SPROCKET FEED MECHANISMS

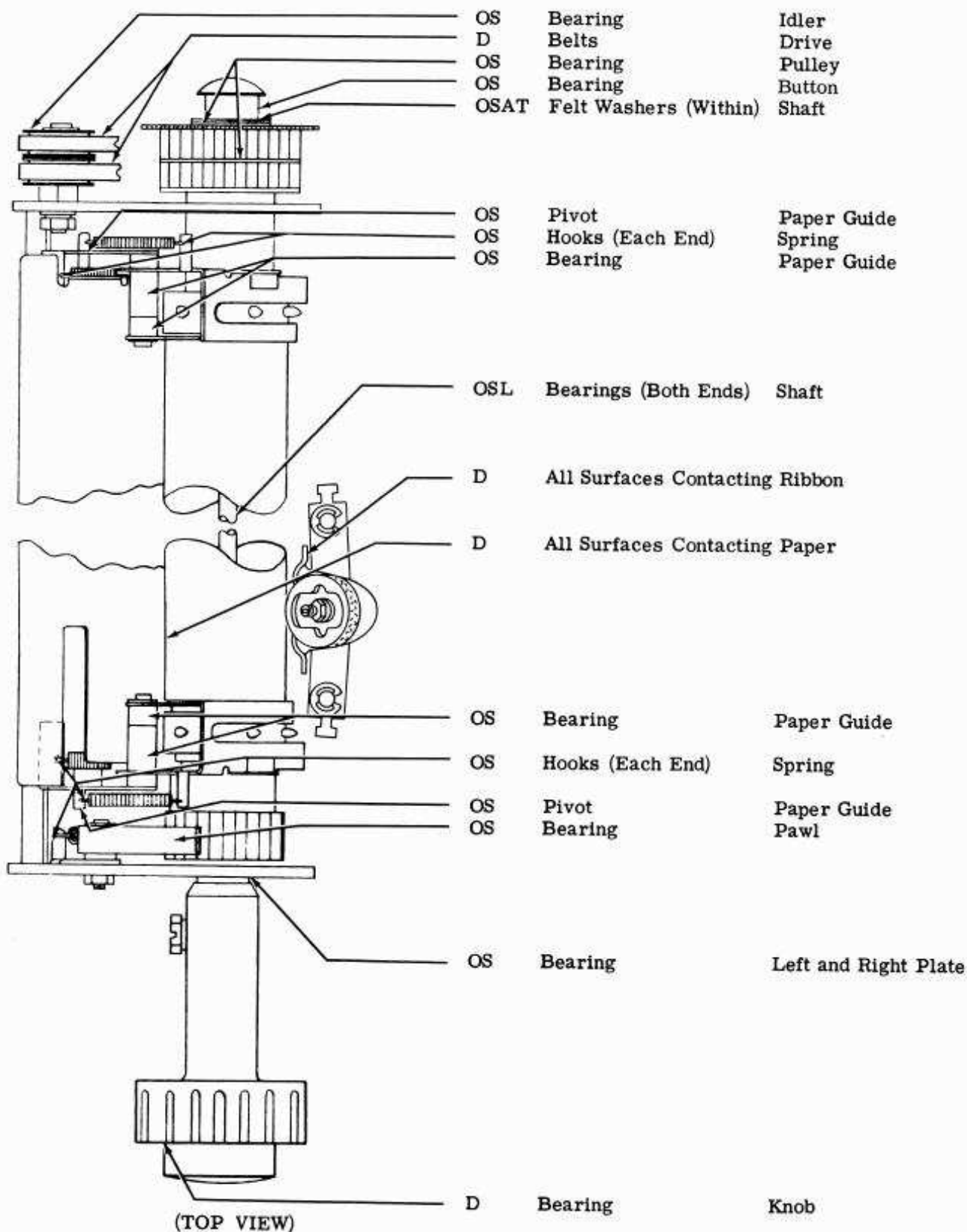
2.45 Paper Feed Area



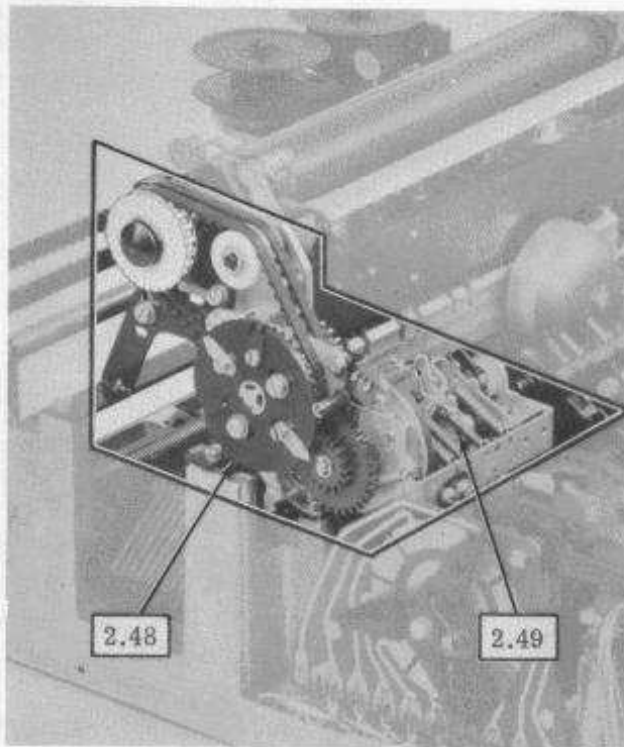
(RIGHT REAR VIEW)

Note: Reinstall ribbon mechanism. For instructions, see the appropriate typing unit section.

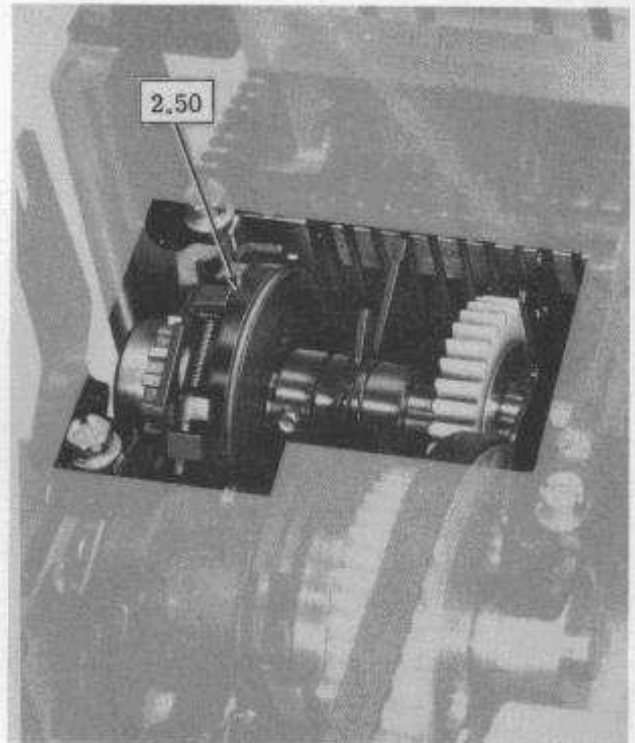
2.46 Platen Mechanism



2.47 Platen Drive Area



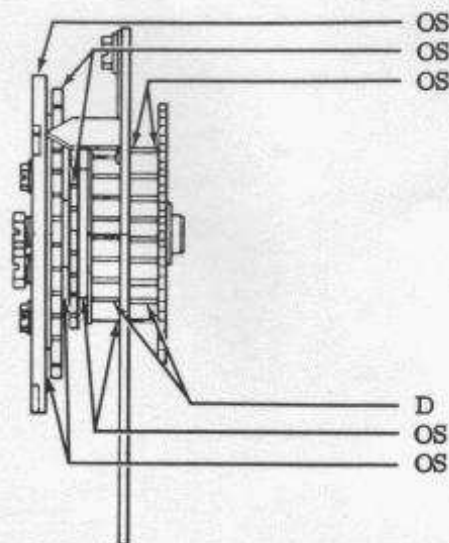
(RIGHT REAR VIEW)



(LEFT REAR VIEW)

(Form-out mechanism removed for illustration purposes. Removal for lubrication is not required.)

2.48 Cam, Pulley, and Gear Combination



(TOP VIEW)

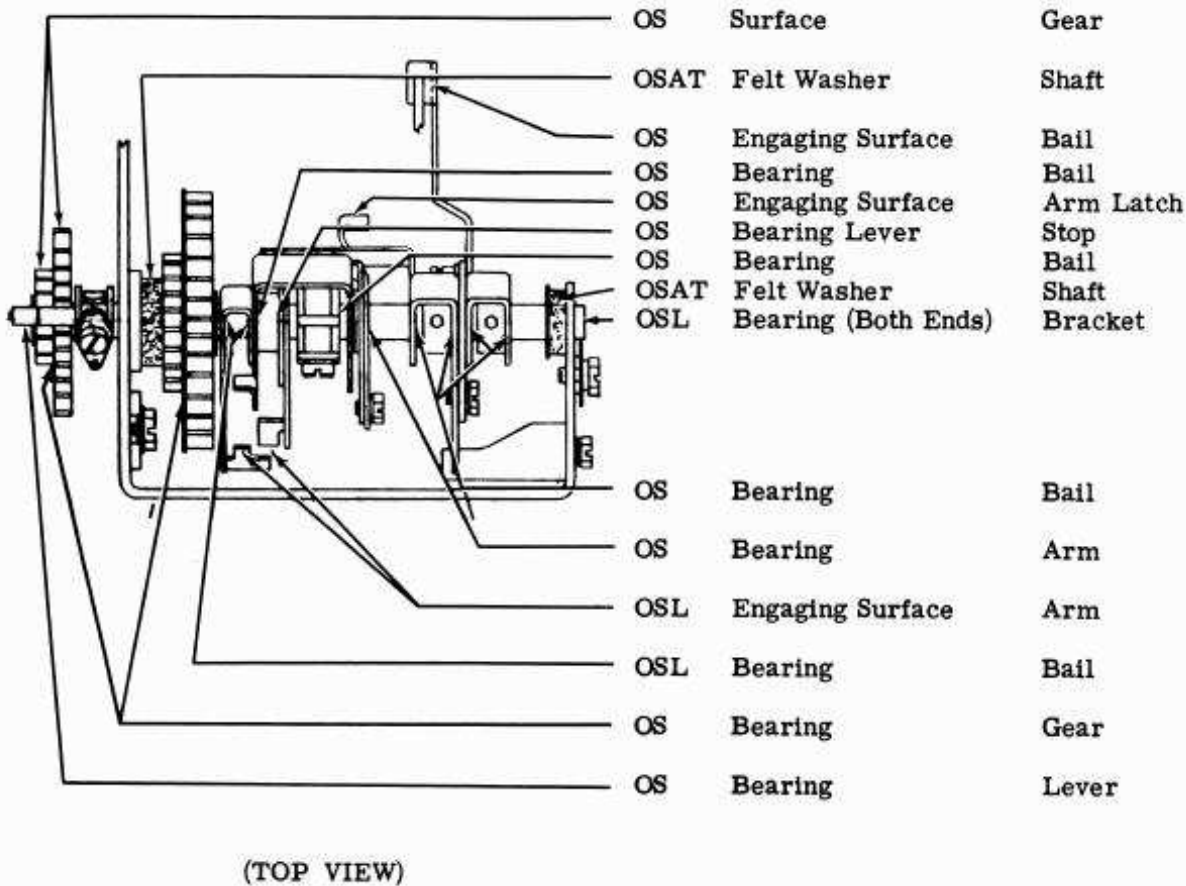
Cam Surface
Gear Surface
Bearing

Cam Gear
Cam Gear
Gear and Pulley

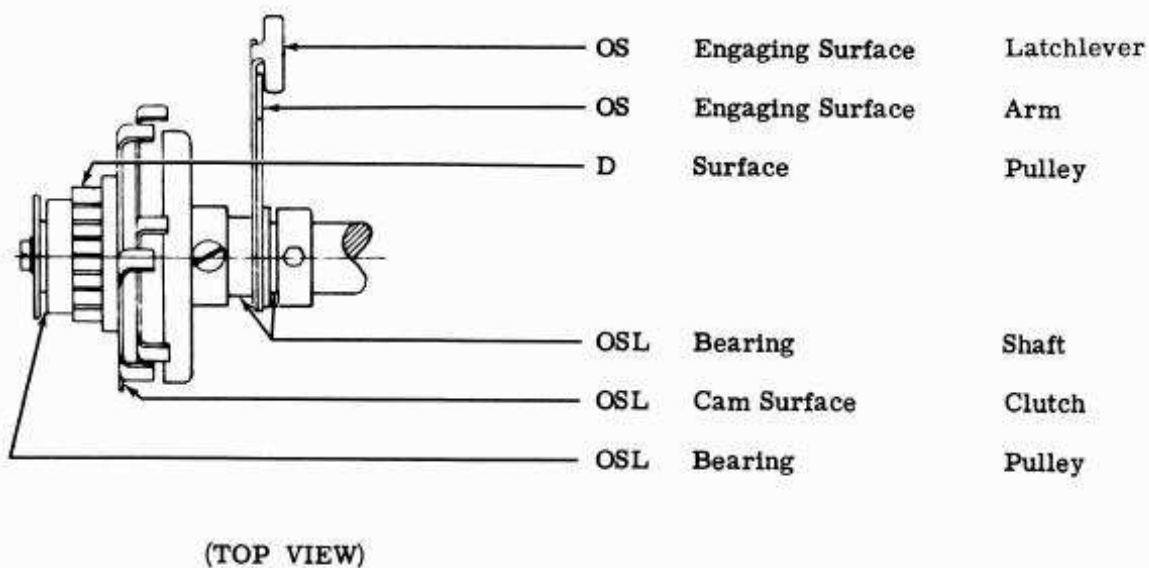
Surface
Bearing
Bearing

Pulley
Gear and Pulley
Cam Gear

2.49 Form-Out Mechanism

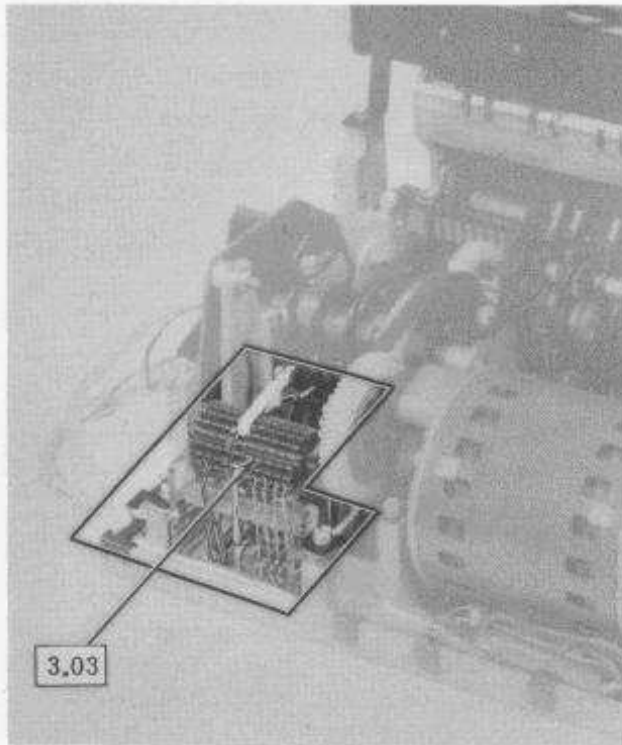


2.50 Line Feed Clutch

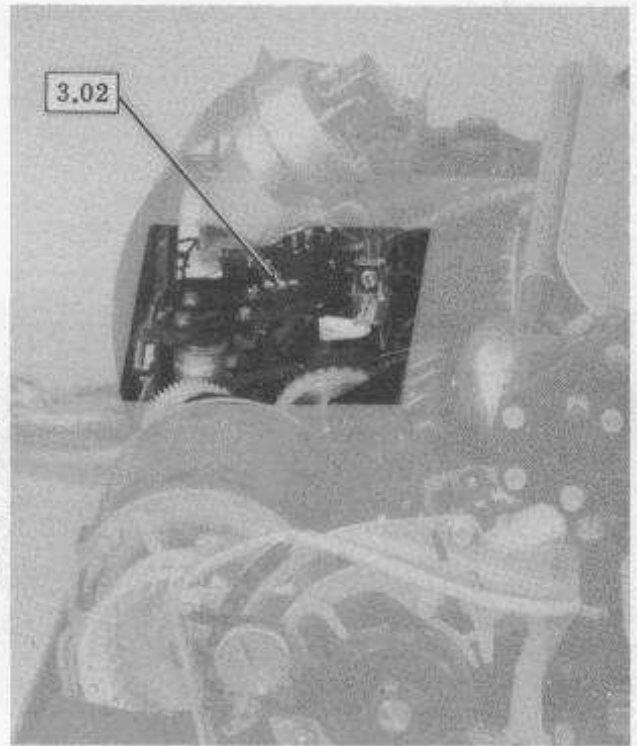


3. VARIATIONS TO BASIC UNITS

3.01 Answer-Back Area

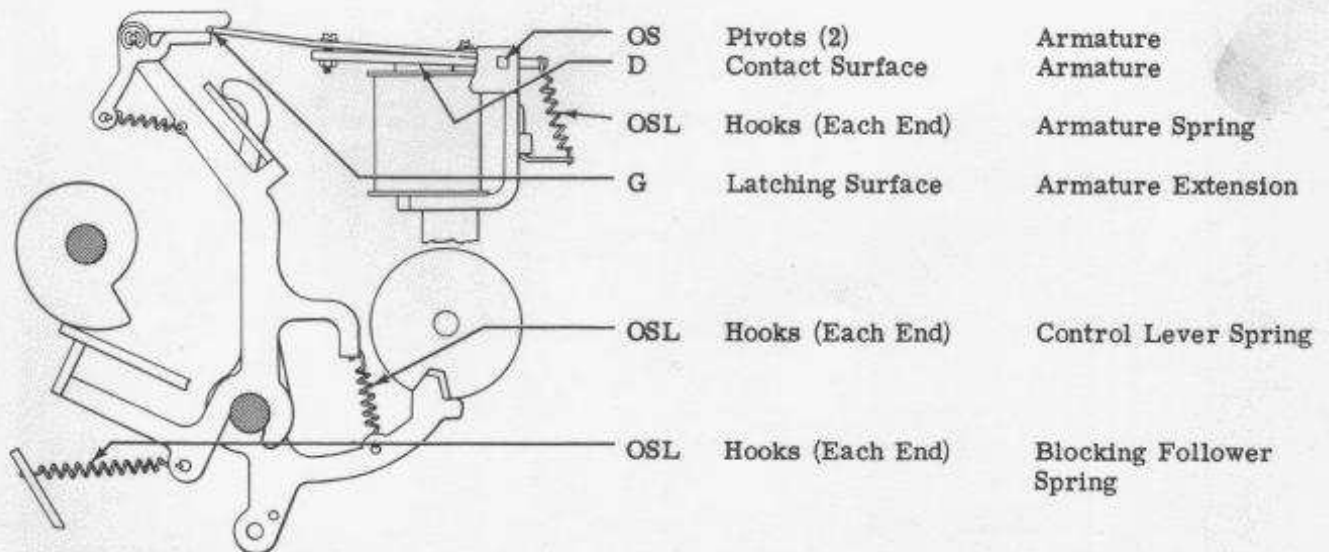


(LEFT REAR VIEW)

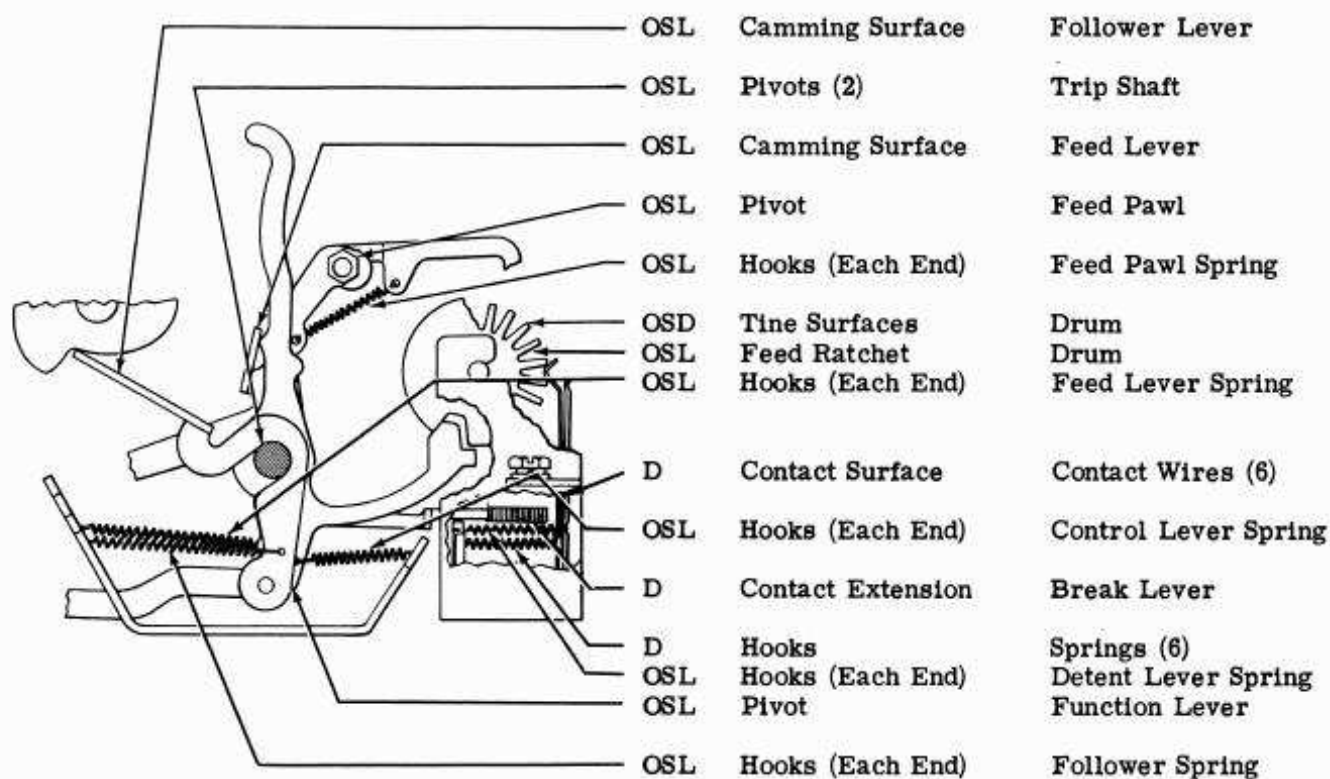


(LEFT SIDE VIEW)

3.02 Trip Magnet



3.03 Answer-Back Mechanism



CAUTION: DO NOT CLEAN CONTACT BLOCK WITH SOLVENTS.