32 AND 33 TYPING UNIT

LUBRICATION

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	Push levers and stripper bail		1. GENERAL
	Reset arm		
	Reset bail		1.01 This section is issued to provide in-
	Ribbon guide spring	. 15	structions for lubricating the 32 and 33
	Ribbon mechanism		typing unit and to present the lubricating in-
	Rocker and pawls	. 9	structions as a separate section.
	Selector area		
	Selector clutch		
	Selector levers		* AAT - AMERICAN CONTRACTOR AND
	Slides		1.02 The general lubrication areas are illus-
	Slide guide plates - 1	. 14	trated by photographs. The specific
	Slide guide plates - 2		points to receive lubricant are indicated on
	Spacing area	. 10	line drawings with appropriate textual instruc-
	Space bellcrank	. 10	tions. Line drawings and textual instructions
	Spacing mechanism - 1	. 11	follow each photograph and are keyed to the
	Spacing mechanism - 2	. 12	photograph by paragraph numbers.

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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

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

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

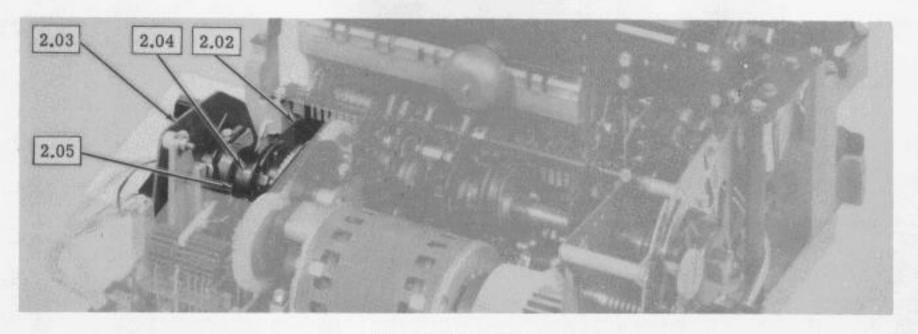
1.06 References to "left," "right," "front," or "rear," etc consider the typing unit to be viewed from a position where the carriage area faces up and the selector area is located to the viewer's left.

CAUTION: DO NOT USE ALCOHOL, MIN-ERAL 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 SUBAS-SEMBLIES. IF NECESSARY, A SOFT CLOTH DAMPENED WITH SOAP OR MILD DETERGENT MAY BE USED. AFTER-WARDS, RINSE EACH CLEANED PART OR SUBASSEMBLY WITH SOFT, DAMP CLOTH AND BUFF WITH A SOFT, DRY CLOTH.

BASIC UNITS

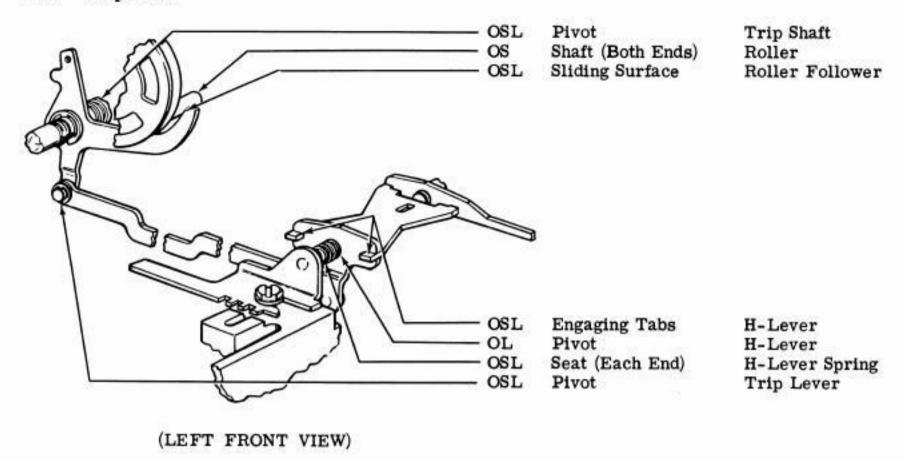
COMMON MECHANISMS

2.01 Distributor Area

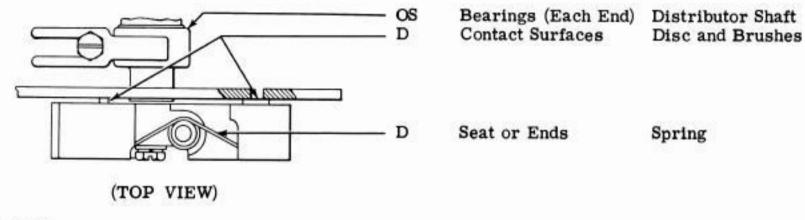


(LEFT REAR VIEW)

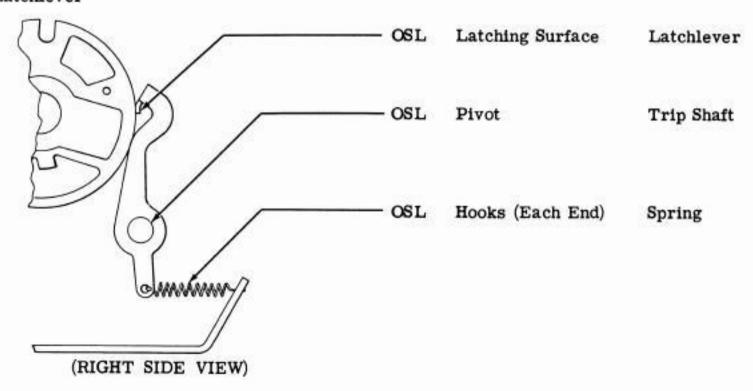
2.02 Trip Lever



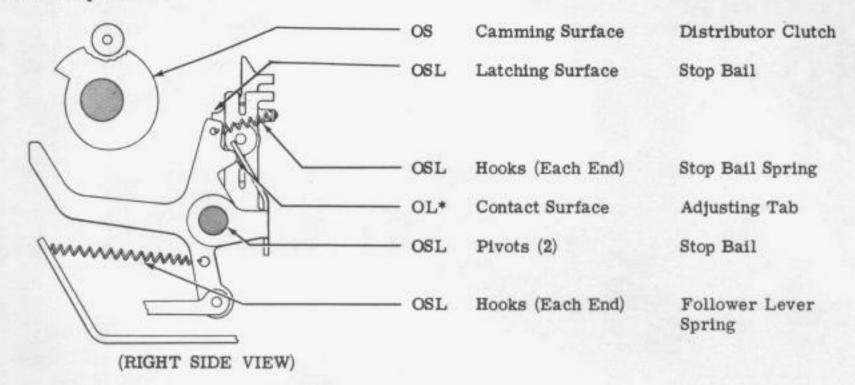
2.03 Disc and Brushes



2.04 Latchlever

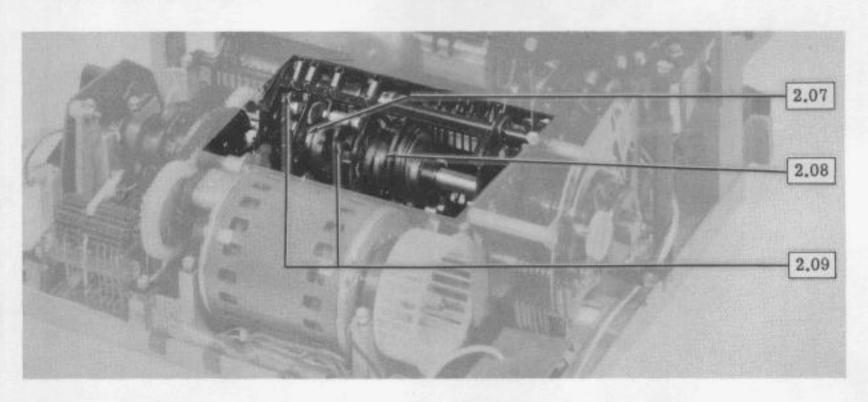


2.05 Stop Bail

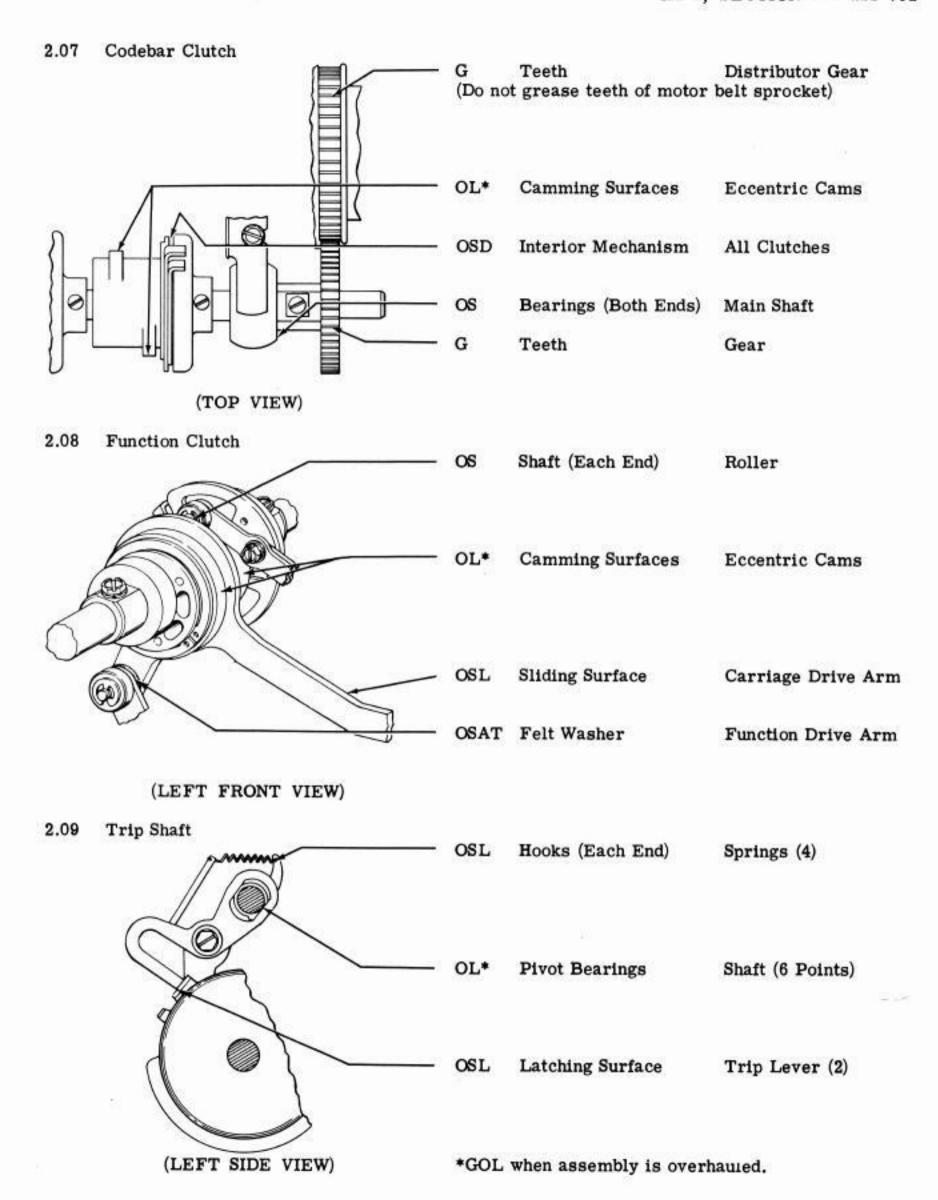


*GOL when assembly is overhauled.

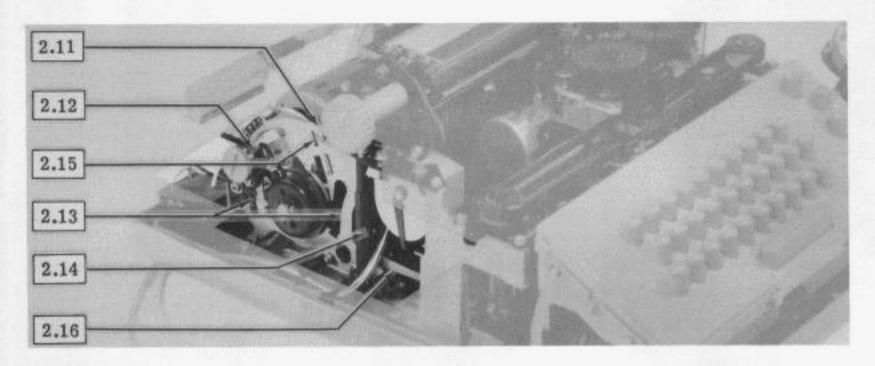
2.06 Main Shaft Area



(LEFT REAR VIEW)

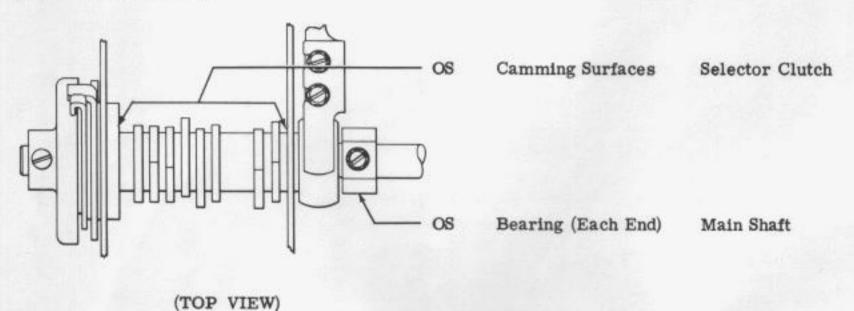


2.10 Selector Area

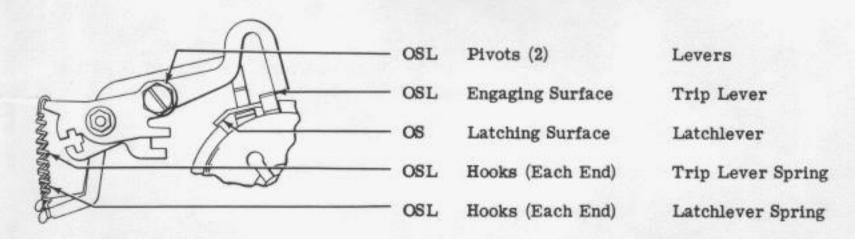


(LEFT SIDE VIEW)

2.11 Selector Clutch



Latchlever and Trip Lever

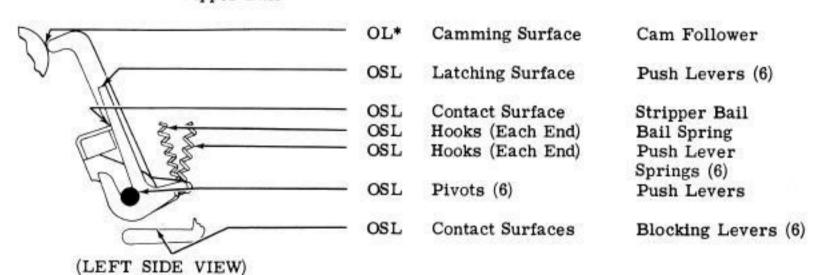


(LEFT SIDE VIEW)

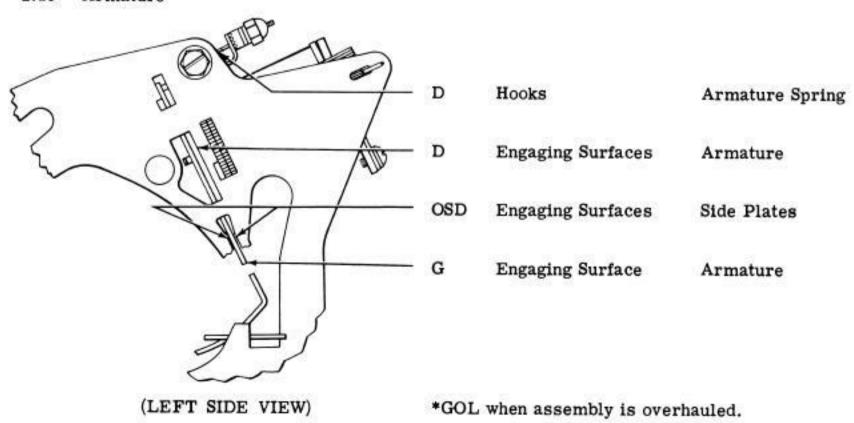
2.12

2.13 Selector Levers G (After Oiling) Tip Start Lever OS Contact Surface Locklever OS Contact Surface Selector Levers (6) OSL **Engaging Surface** Selector Levers (6) OL* Camming Surface Selector Levers (6) OSL Sliding Contact Start Lever OSL Pivots (8) Levers OSL Hooks (Each End) Start Lever Spring OSL Hooks (Each End) Springs (6) (LEFT SIDE VIEW)

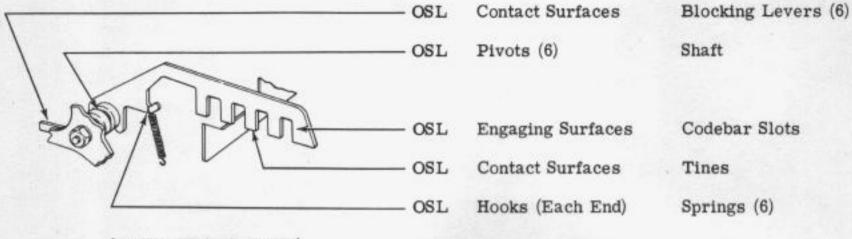
2.14 Push Levers and Stripper Bail



2.15 Armature

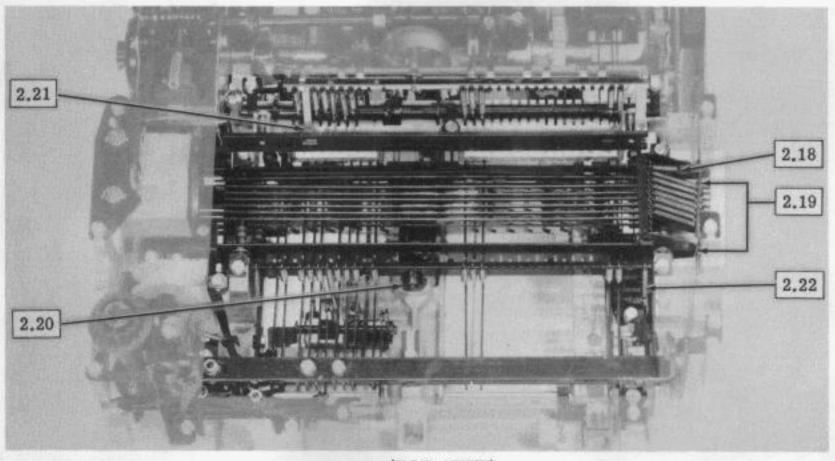


2.16 Blocking Levers



(LEFT FRONT VIEW)

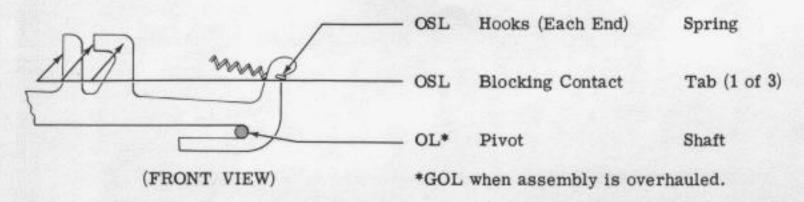
2.17 Function Area



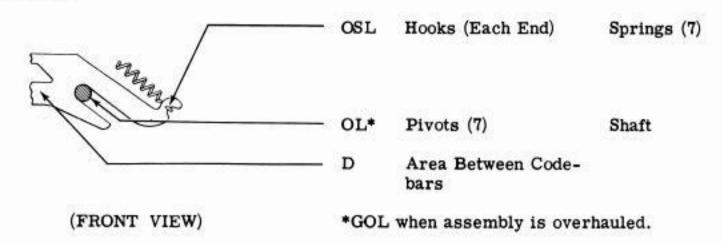
(TOP VIEW)

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

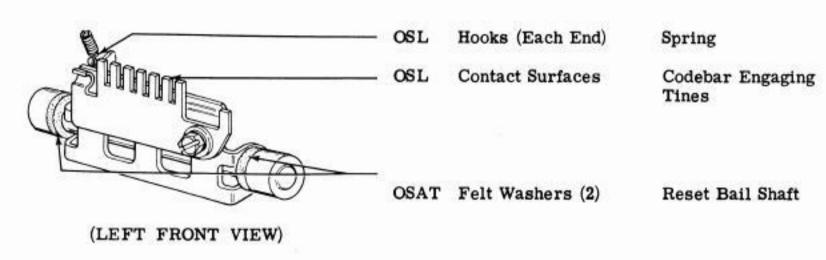
2.18 Automatic Codebar



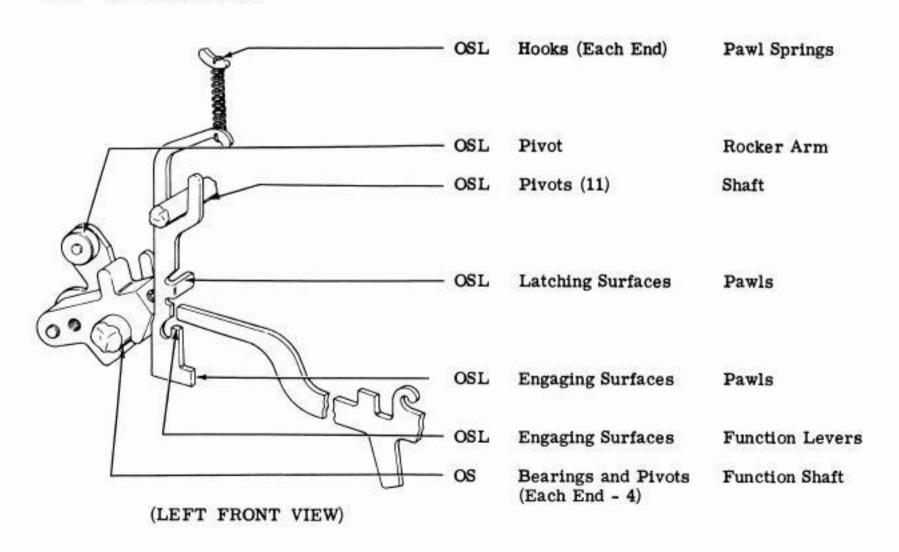
2.19 Codebars



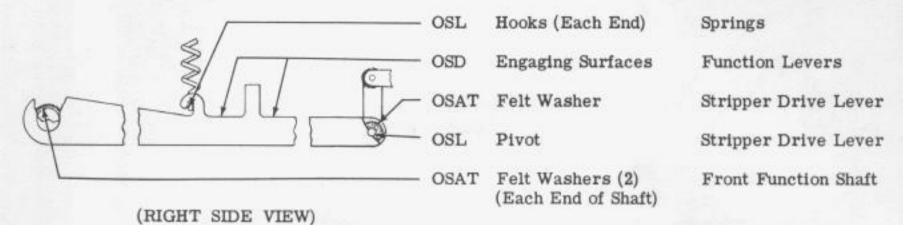
2.20 Reset Bail



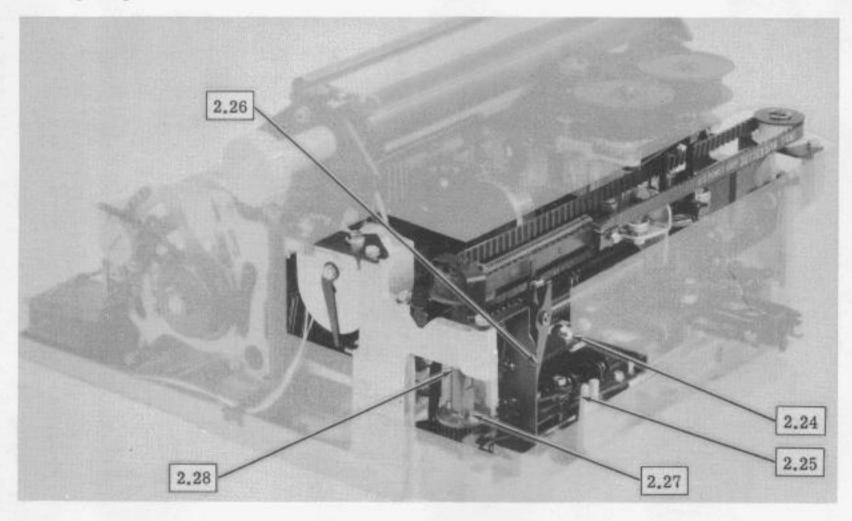
2.21 Rocker and Pawls



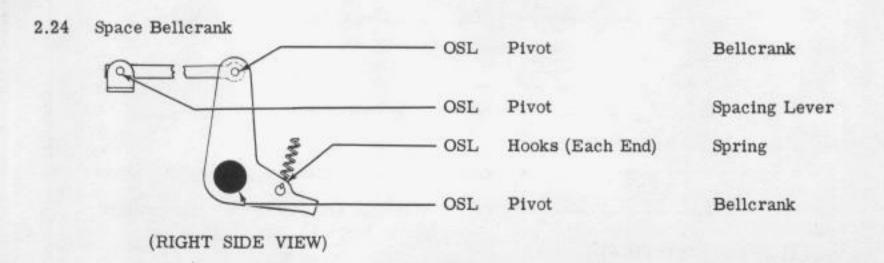
2.22 Function Levers



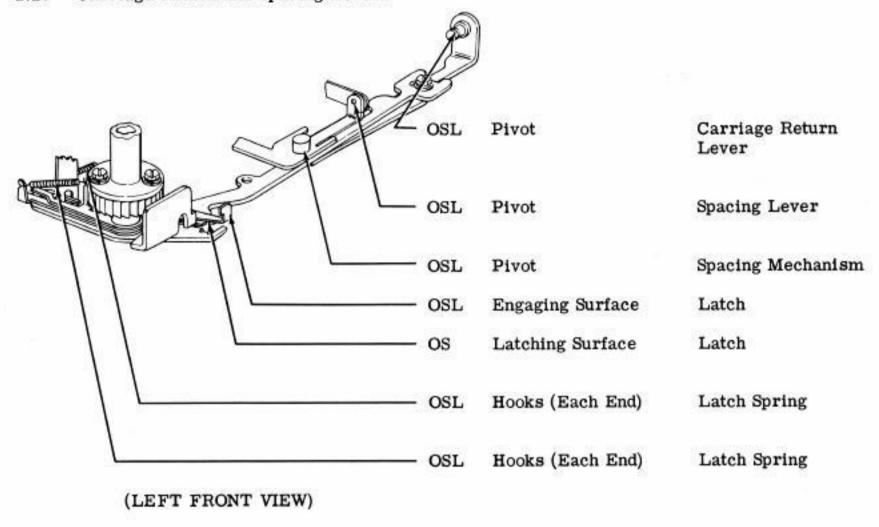
2.23 Spacing Area



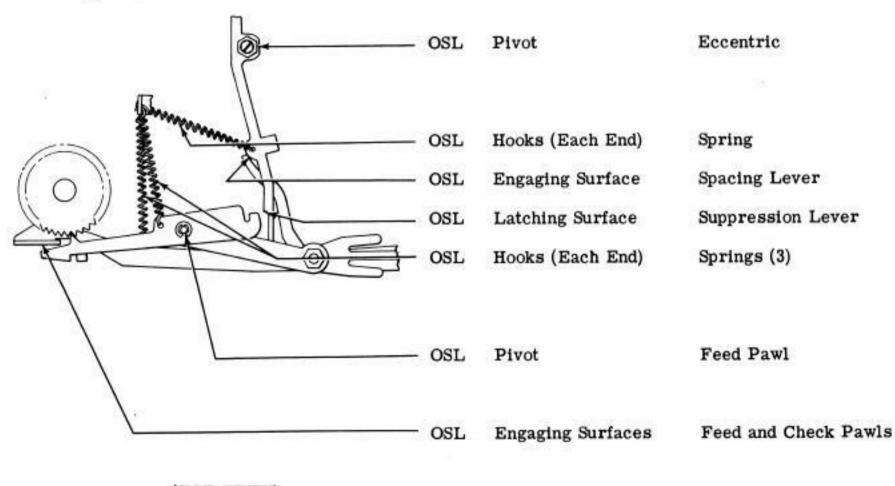
(LEFT FRONT VIEW)



2.25 Carriage Return and Spacing Levers



2.26 Spacing Mechanism - 1



(TOP VIEW)

OSAT Felt Washers (2) Carriage Drive Bail Front Bearings OSL Pivot Drive Arm

OSAT

OSL

OSL

Felt Washers (2)

Roller (Each End)

Pivot

Teeth

Drive Arm Bail

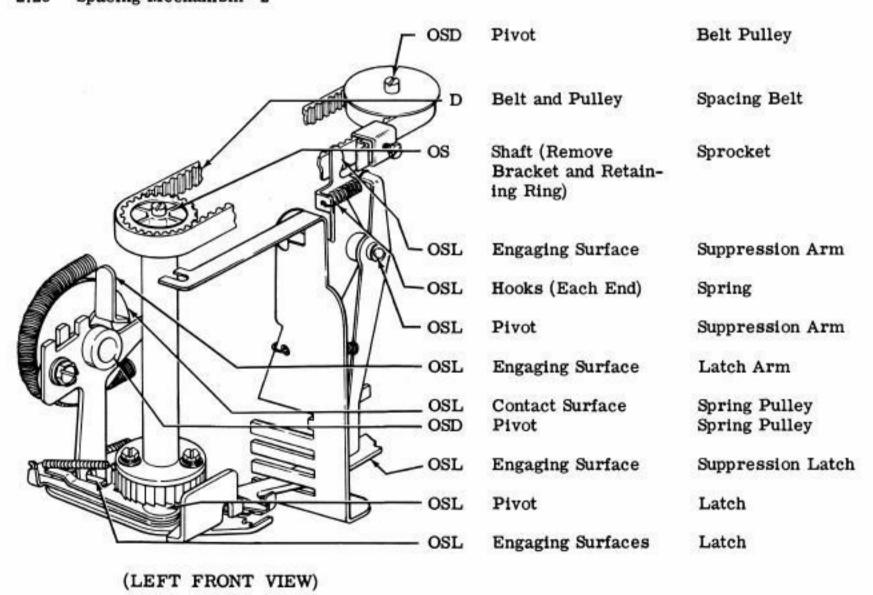
Drive Roller

Spacing Gear

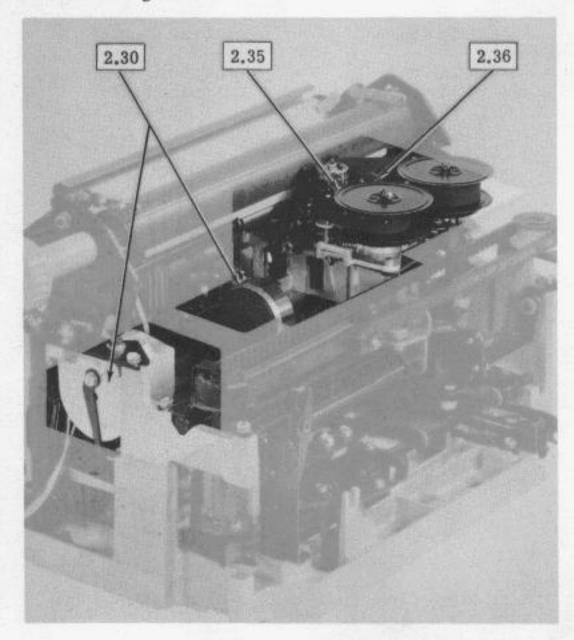
Feed Pawl

2.28 Spacing Mechanism - 2

(LEFT FRONT VIEW)



2.29 Carriage Area



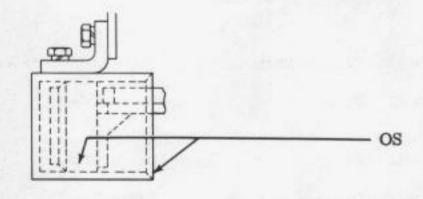


(LEFT FRONT VIEW)

(RIGHT FRONT VIEW)

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

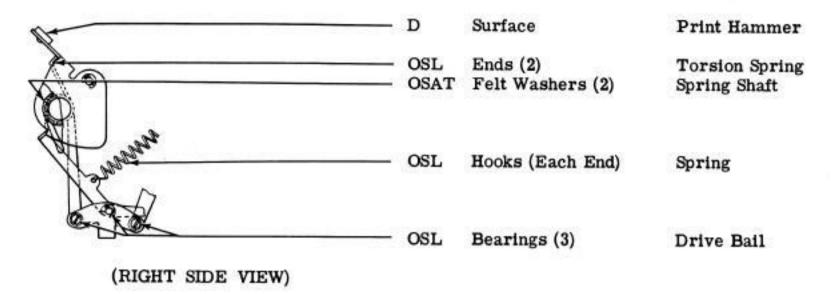
2.30 Dashpot



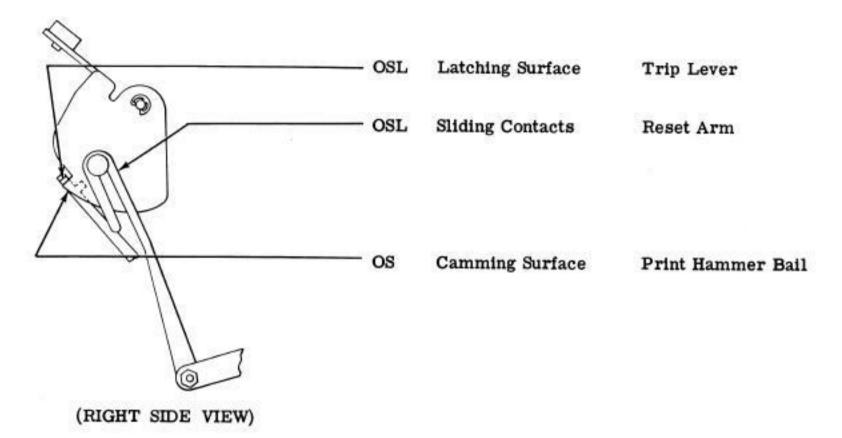
Sliding Surfaces Dashpot and Cylinder (Apply with oil dampened cloth. Too much lubricant will cause malfunction.)

(FRONT VIEW)

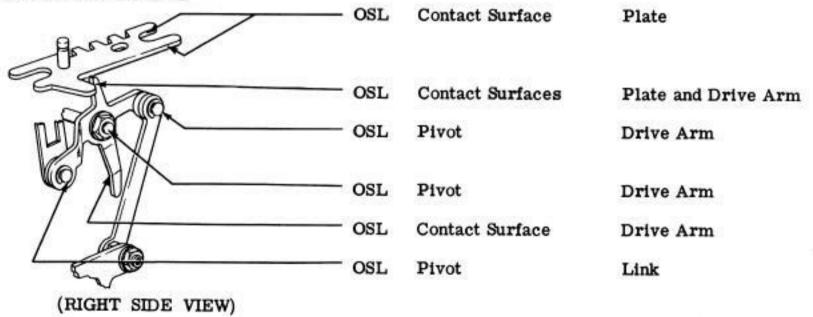
2.31 Print Hammer

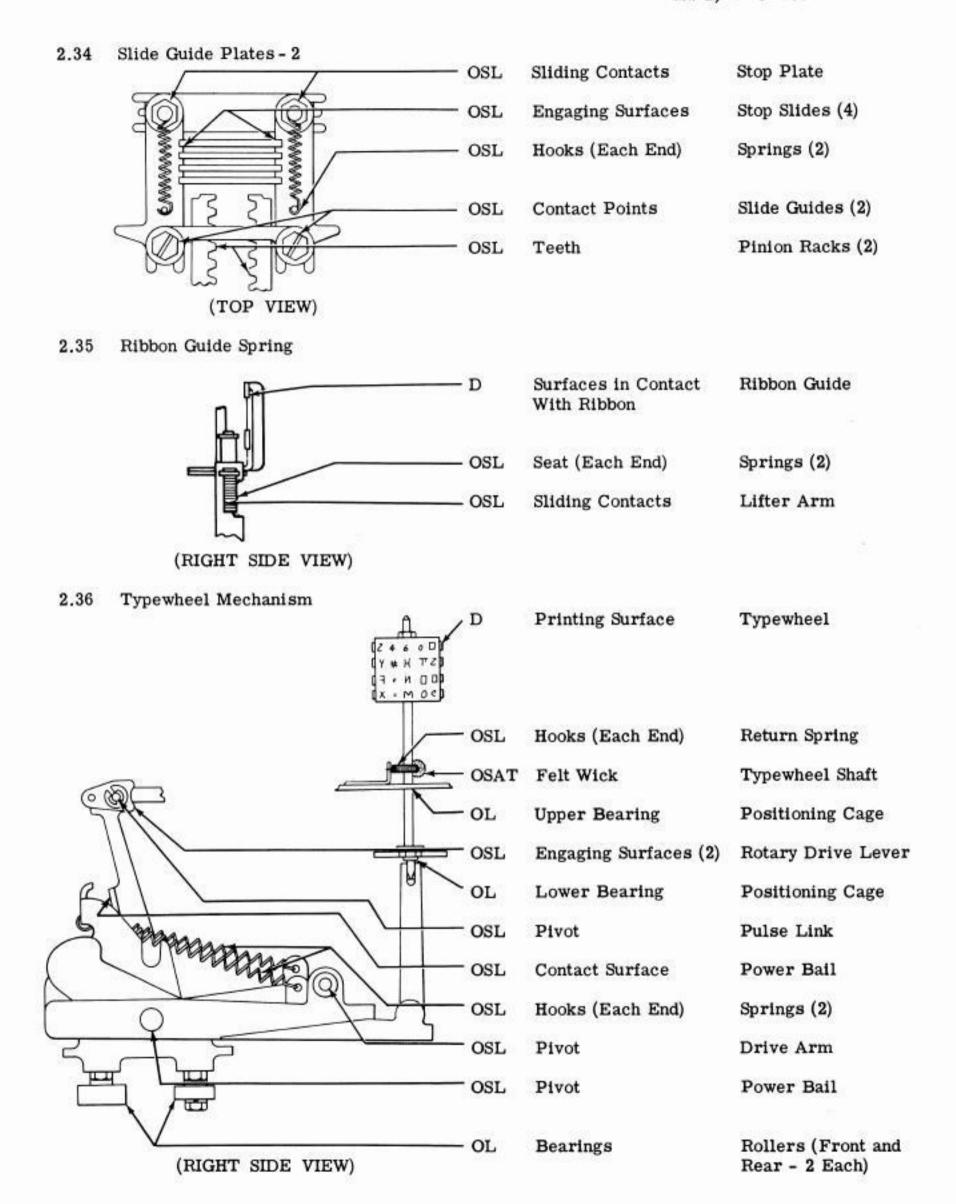


2.32 Reset Arm

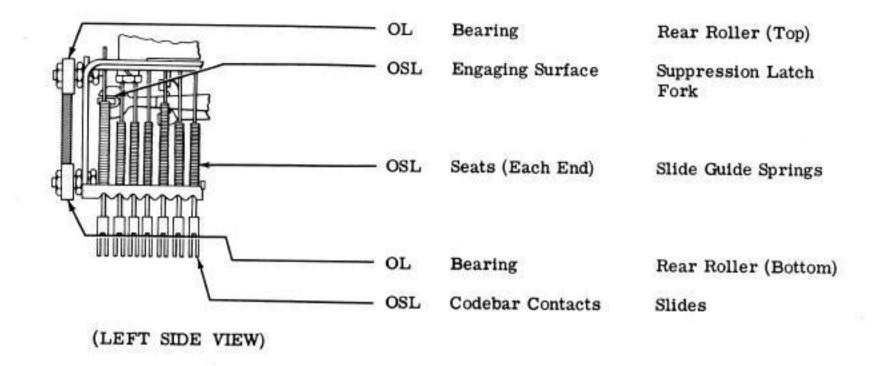


2.33 Slide Guide Plates - 1

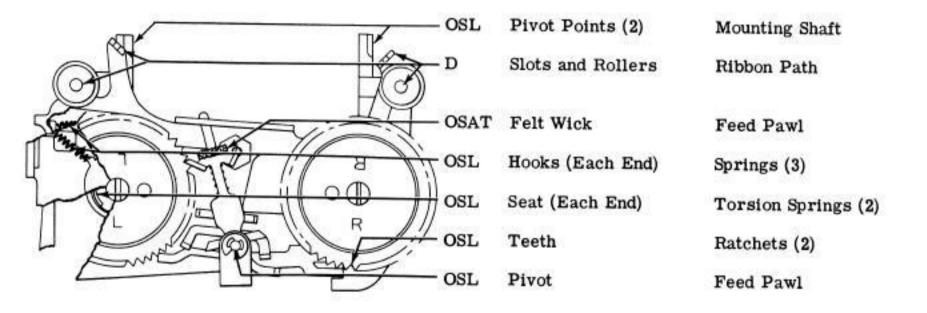




2.37 Slides

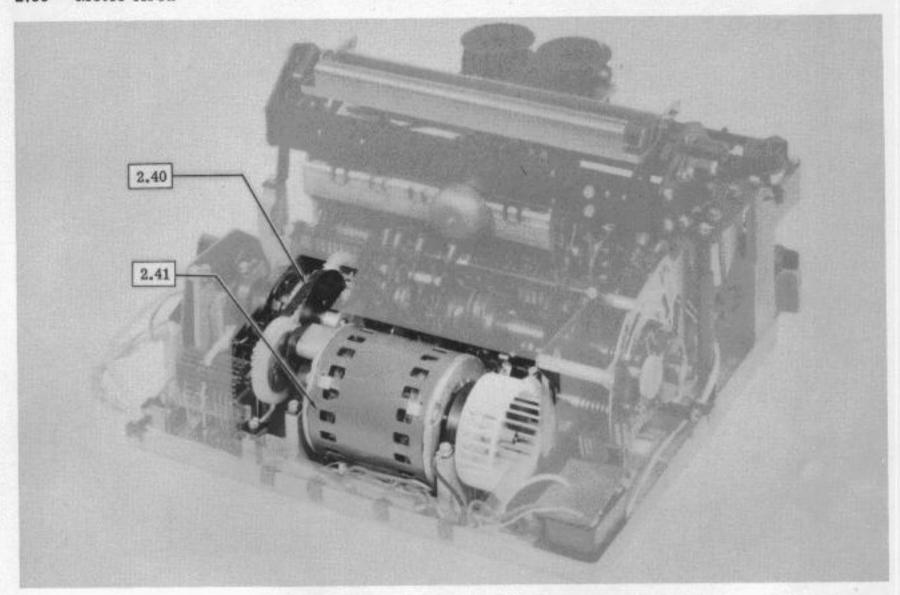


2.38 Ribbon Mechanism

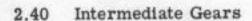


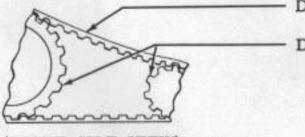
(TOP VIEW)

2.39 Motor Area



(REAR VIEW)





(RIGHT SIDE VIEW)

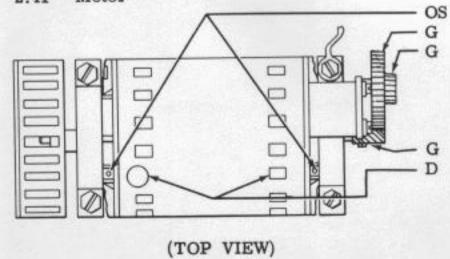
Motor Belt

Teeth

Teeth

Sprockets (2)

2.41 Motor



Interior Areas

Removed.

Teeth

Bearings (Each End)

Pack Grease in Space Between Two Oilite Bearings. Intermediate Gear Must Be Motor Shaft Intermediate Gear Intermediate Gear

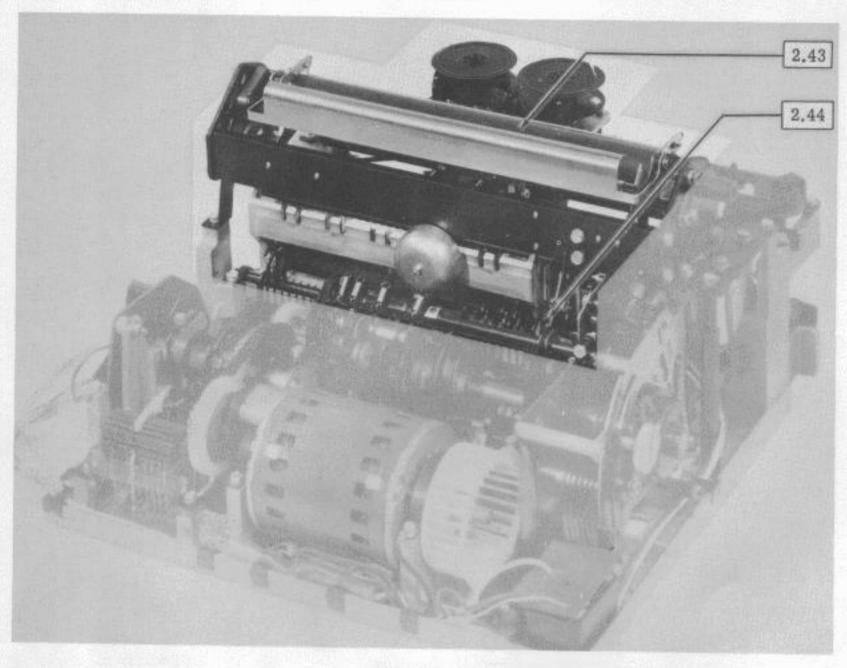
Motor Pinion Motor

CAUTION: MOTOR START RELAY AND CA-PACITOR MUST BE KEPT FREE OF LUBRI-CANTS.

FRICTION FEED MECHANISMS

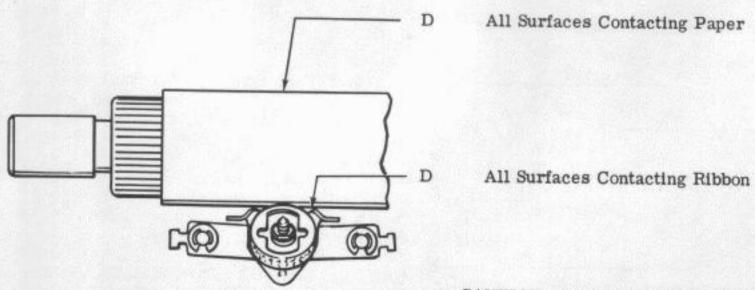
2.42 Paper Feed Area

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



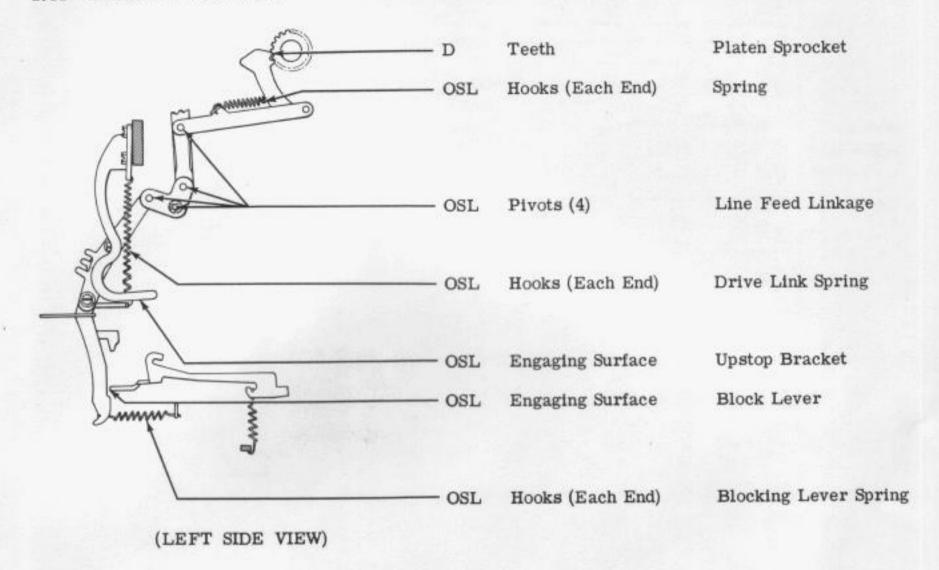
(REAR VIEW)

2.43 Platen



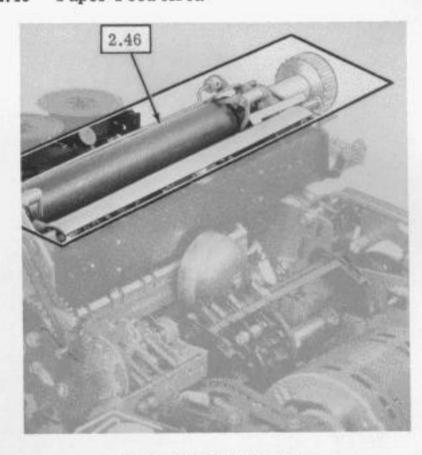
CAUTION: DO NOT CLEAN PLATEN WITH SOLVENTS.

2.44 Line Feed Mechanism



SPROCKET FEED MECHANISMS

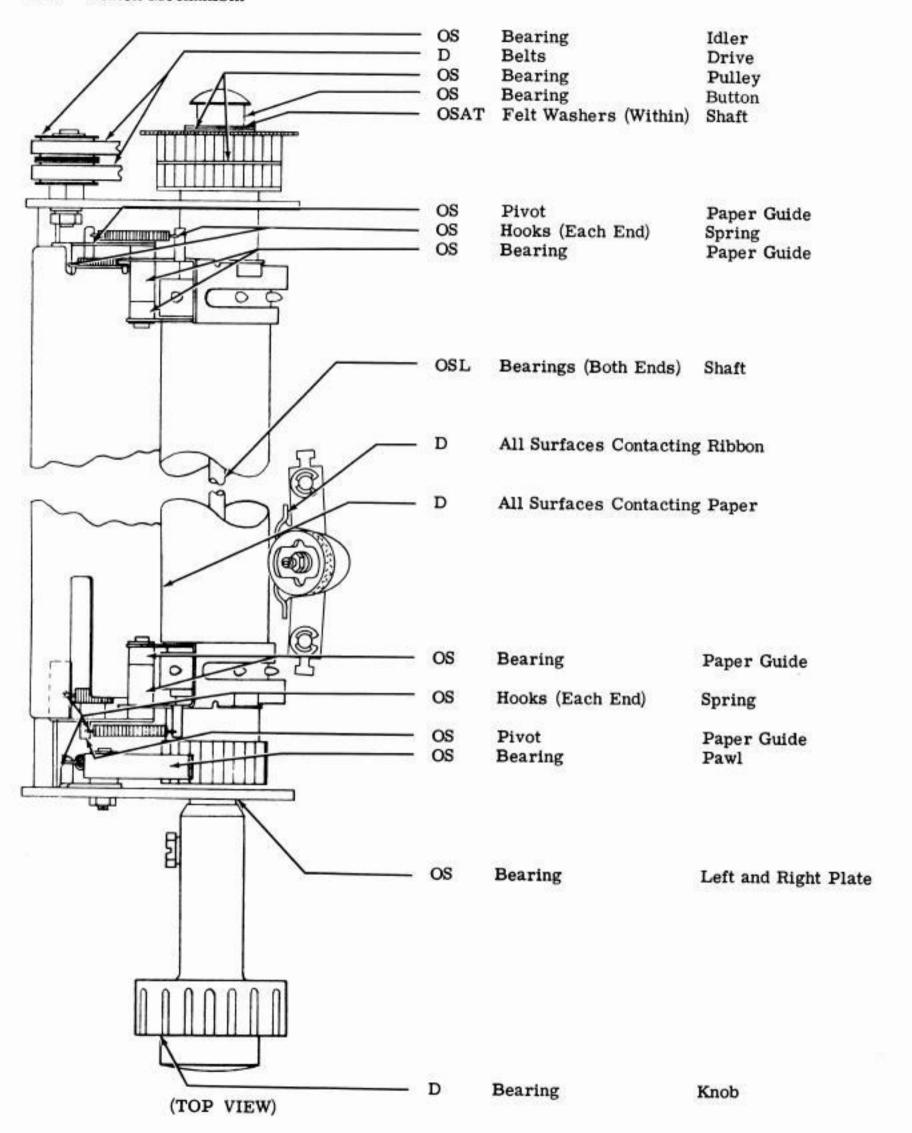
2.45 Paper Feed Area



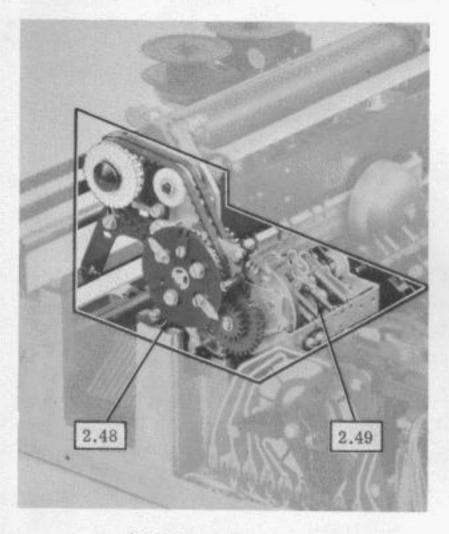
(RIGHT REAR VIEW)

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

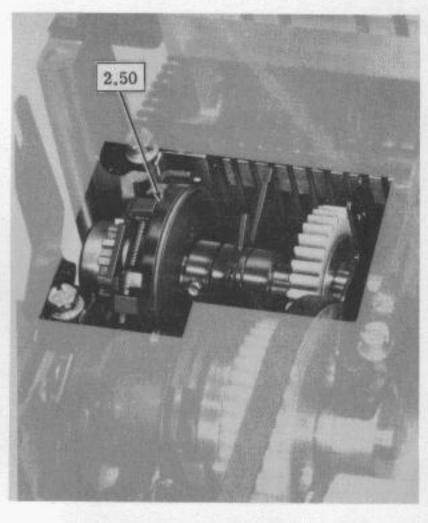
2.46 Platen Mechanism



2.47 Platen Drive Area



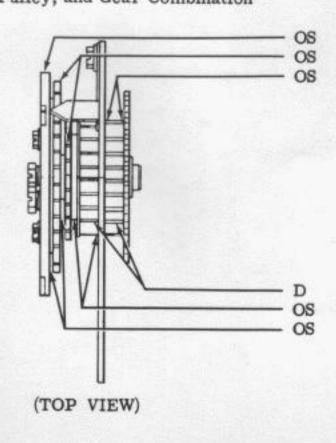
(RIGHT REAR VIEW)



(LEFT REAR VIEW)

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

2.48 Cam, Pulley, and Gear Combination

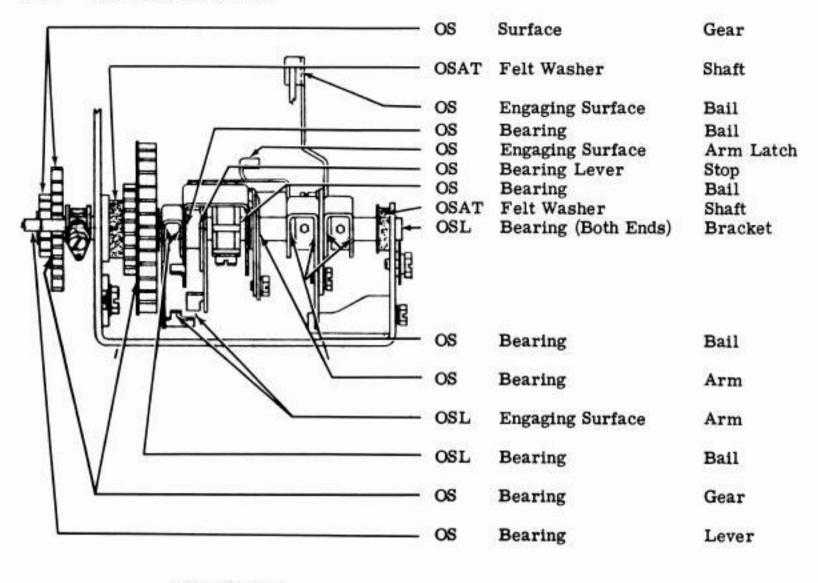


Cam Surface Gear Surface Bearing

Cam Gear Cam Gear Gear and Pulley

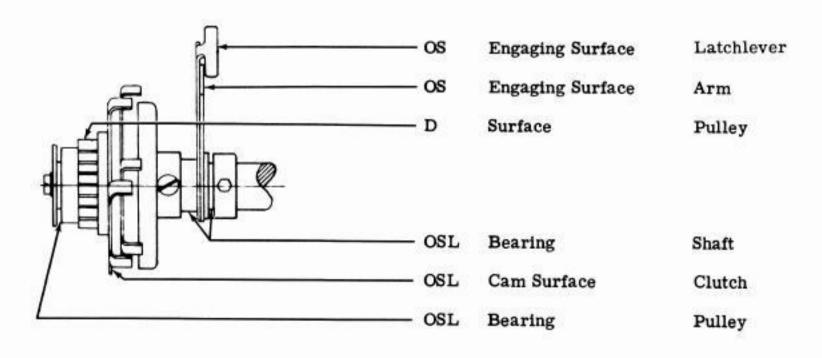
Surface Bearing Bearing Pulley Gear and Pulley Cam Gear

2.49 Form-Out Mechanism



(TOP VIEW)

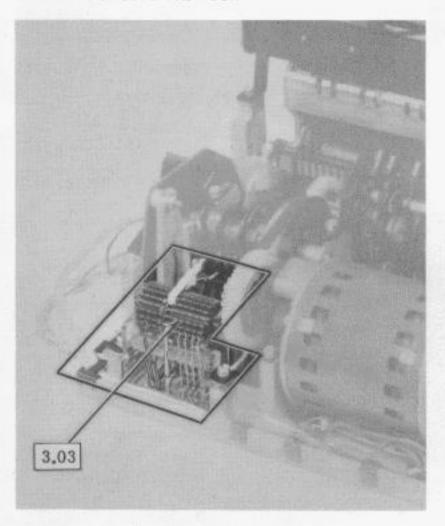
2.50 Line Feed Clutch



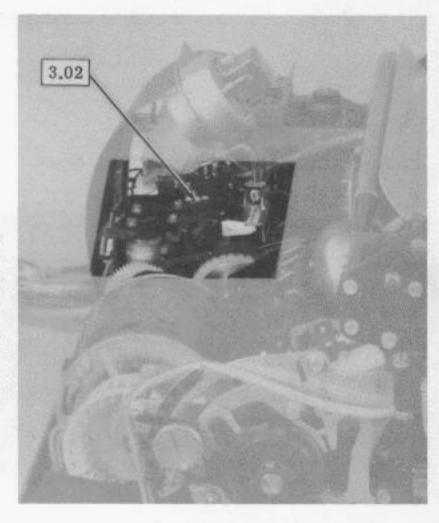
(TOP VIEW)

3. VARIATIONS TO BASIC UNITS

3.01 Answer-Back Area

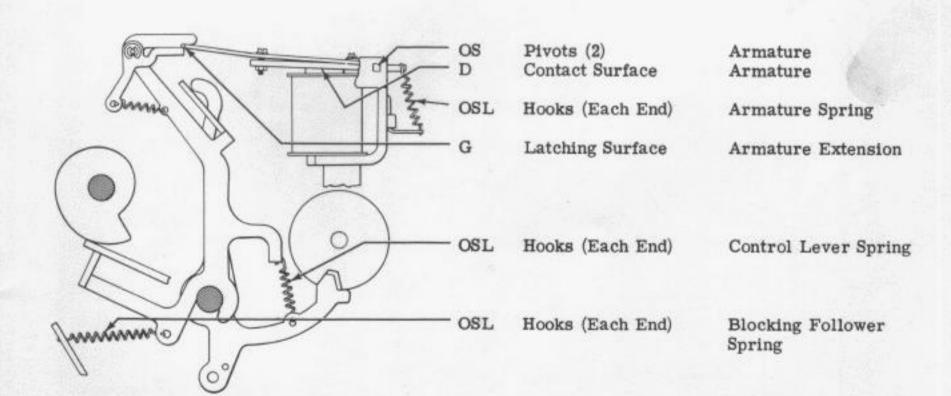


(LEFT REAR VIEW)

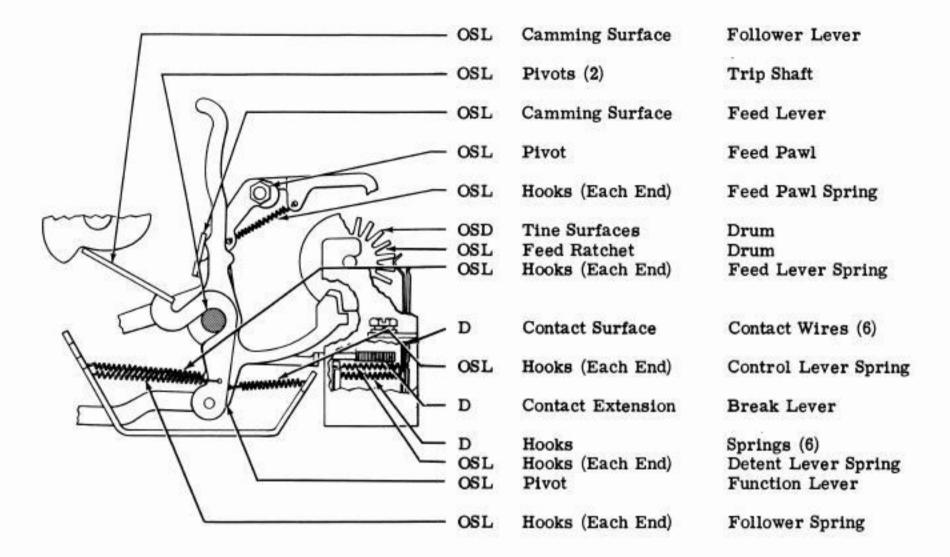


(LEFT SIDE VIEW)

3.02 Trip Magnet



3.03 Answer-Back Mechanism



CAUTION: DO NOT CLEAN CONTACT BLOCK WITH SOLVENTS.