# **32 TYPING UNIT**

#### LUBRICATION

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	Ribbon guide spring	17	Province increased	re-
	Ribbon mechanism	16	quirements for the 32 typing unit.	It is
	Rocker and pawls	10	reissued to make corrections and change	the
	Selector area		lubrication interval. Marginal arrows ind	icate
	Selector clutch	17	changes. To remove the typing unit from	the
	Selector levers	19	teletypewriter set as a unit, refer to Sec	tion
	Slides	19 14	574-160-702TC.	
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	Spacing area	14	1.02 Lubrication of the typing unit is	pre-
	Space bellcrank	11	sented by mechanisms. Photogr	aphs
	Spacing mechanism — 1	11	show numbered callouts that correspond to	oara-
	Spacing mechanism - 1	12	graphs containing line drawings. These draw	ings
	Spacing mechanism - 2	13	show specific points of each mechanism to	) be
	Stop bail	7	lubricated.	1739

#### SECTION 574-172-701TC

- 1.03 References to front, rear, left, right, etc, are made viewing the typing unit from its normal operating position.
- 1.04 Lubricate all components of the teletypewriter set at the following intervals:

CAUTION: DISCONNECT POWER BEFORE APPLYING ANY LUBRICANT. DO NOT USE SOLVENTS TO CLEAN PLASTIC PARTS OR PROTECTIVE FINISHES. USE A SOFT DRY CLOTH. IF NECESSARY, USE A SOFT DAMP CLOTH WITH MILD DETERGENT, THEN RINSE AND BUFF WITH A SOFT DRY CLOTH.

#### LUBRICATION INTERVAL (Based on 5-Day Week)

Daily	Operation o	of Typing U	nit
Speed (wpm)	0-8 hrs	8-16 hrs	16-24 hrs
60 100	39 wks 26 wks	26 wks 13 wks	13 wks 6 wks
All Speeds*	3 wks	2 wks	1 wk

## \*Newly installed equipment

Note 1: Reduce lubricating intervals 15 percent for a 6-day week and 30 percent for a 7-day week.

Note 2: Sets with typing unit serial numbers below 144,000, reduce lubricating intervals 33 percent. Those with serial numbers above 144,000, use above chart.

Note 3: For units operating at speeds between those shown, use slower of two speeds.

1.05 Whenever the typing unit is disassembled, apply an equally well-mixed coat of TKS7470 oil and TKS7471 grease to the areas indicated below:

Eccentric Cams	2.02 and 2.04
Adjusting Tab	2.11
Cam Roller	2.13
H-Plate	2.13
Codebar Shafts	2.17 and 2.18
Spacing Gear	2.23
Selector Cam	2.44
Platen Shaft	2.49

Note: Whenever clutches are disassembled, apply a thin coat of TKS7471 grease to the shoe lever spring loops and TKS7470 oil to the internal mechanisms.

1.06 The following symbols, and their meaning, apply to the lubrication points in each paragraph:

Note: The amount of lubricant applied is at the discretion of maintenance personnel.

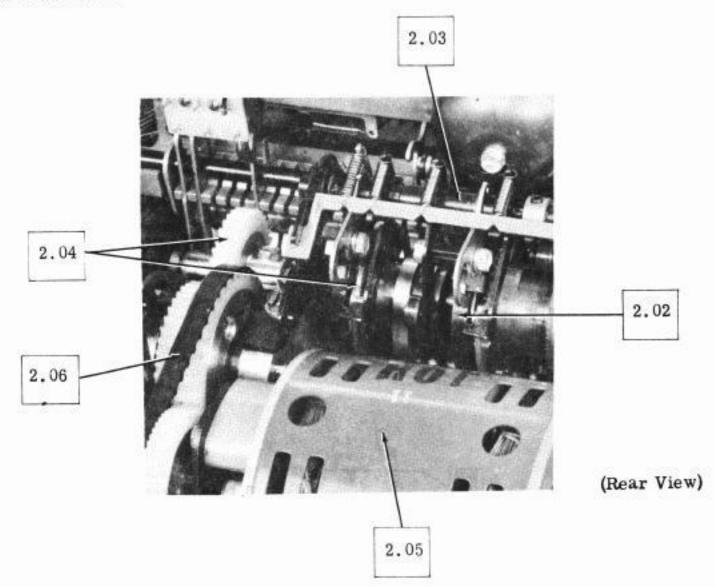
SYMBOL	MEANING		
D	Dry		no lubricant permitted
G	Grease	_	apply TKS7471 grease
0	Oil	_	apply TKS7470 oil

Saturate all felt washers and oilers, and apply oil to each end of all springs. Apply oil to points where it will adhere and not run off. Avoid overlubrication. Keep electrical contacts and wire insulations free of lubricants. In general, apply oil to shafts, wicks, and locations where parts rub, slide, or move with respect to each other. Apply grease to gear teeth and points of heavy pressure.

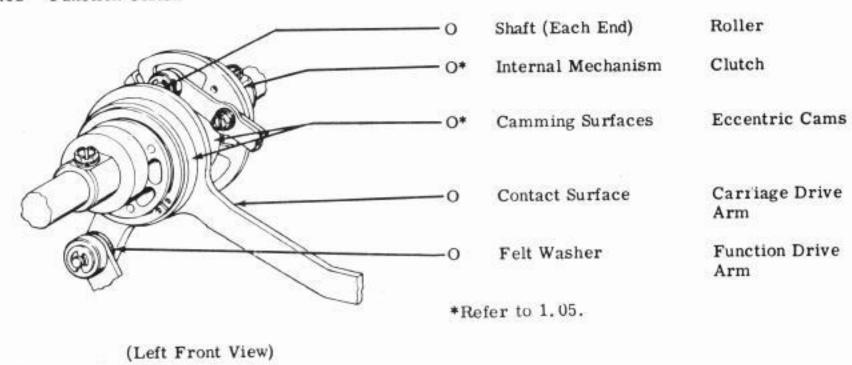
#### BASIC UNITS

#### COMMON MECHANISMS

#### 2.01 Main Shaft Area

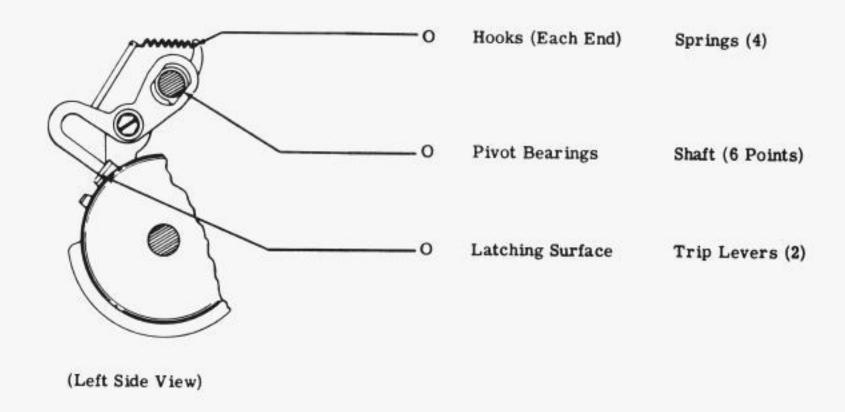


#### 2.02 Function Clutch

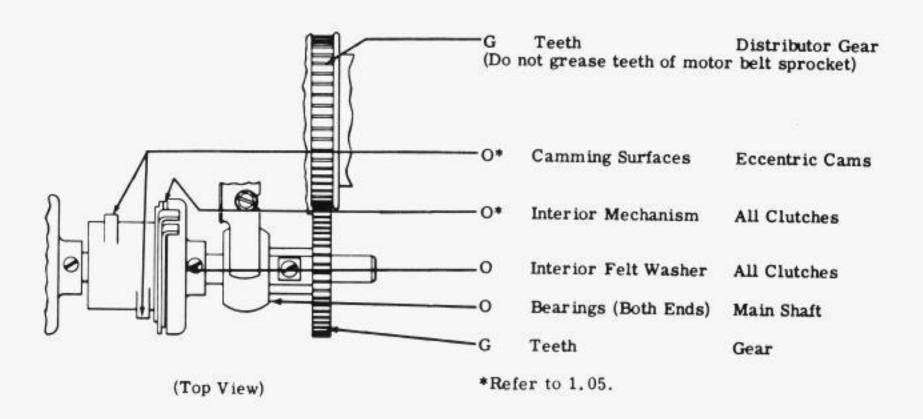


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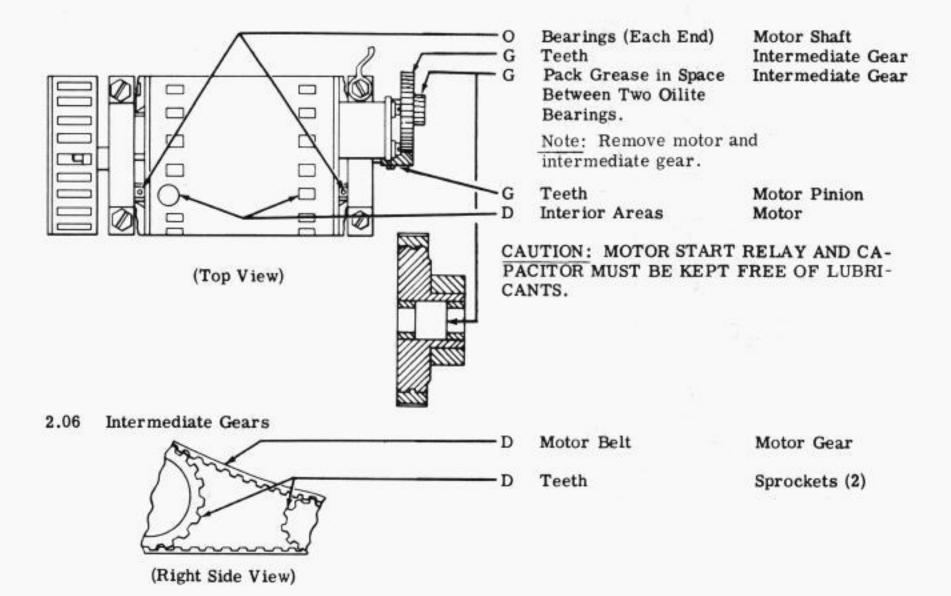
# 2.03 Trip Shaft



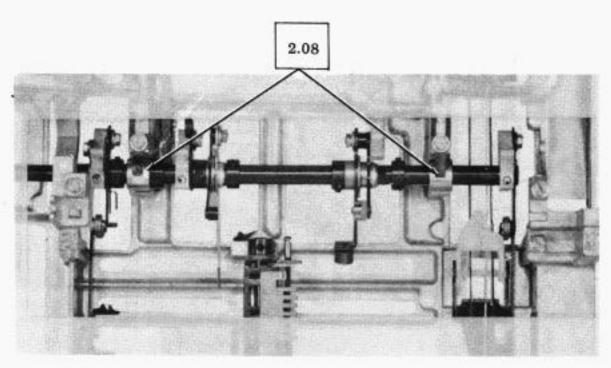
## 2.04 Codebar Clutch



#### 2.05 Motor Area

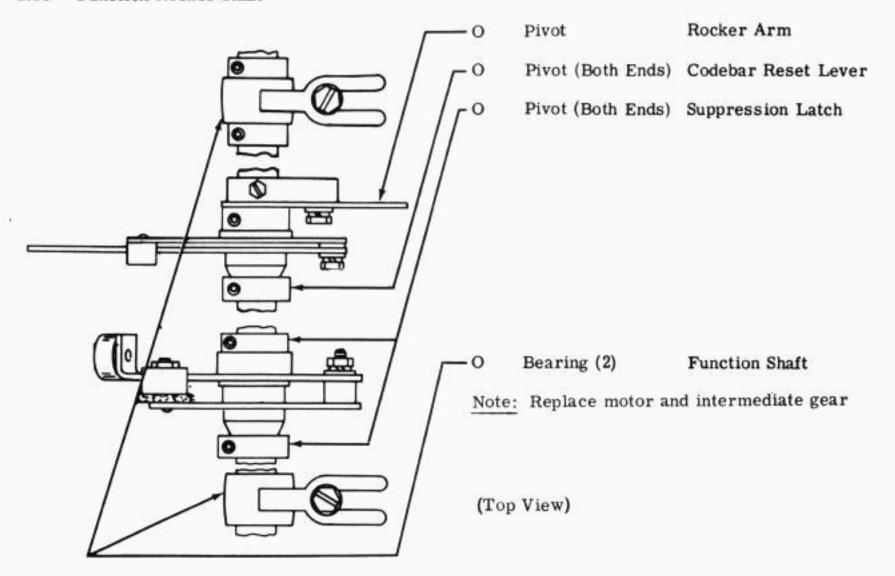


#### 2.07 Function Shaft Area

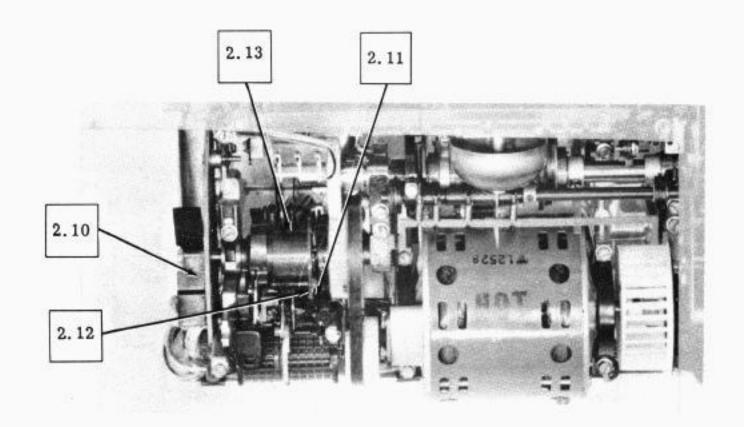


(Top View)

#### 2.08 Function Rocker Shaft

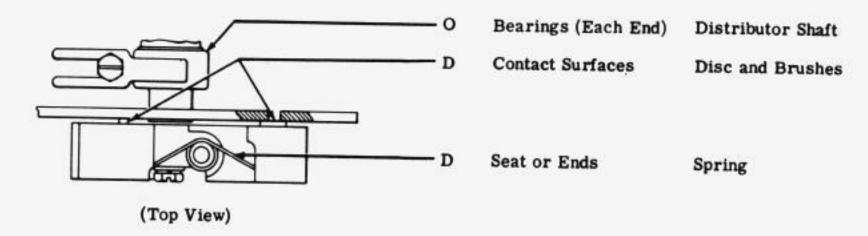


## 2.09 Distributor Area

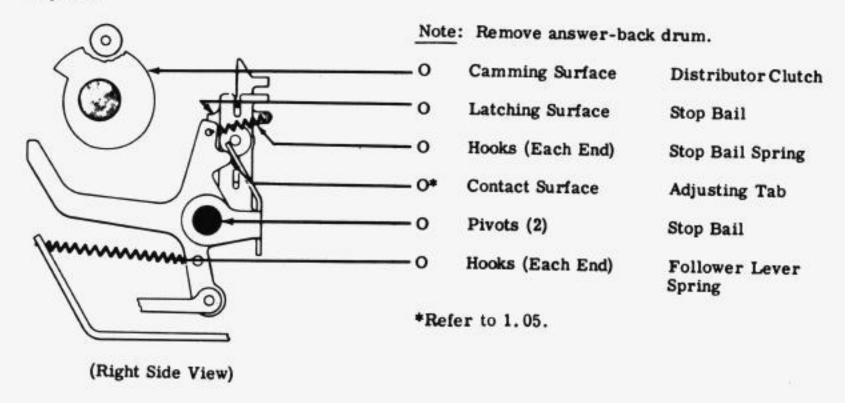


(Top View)

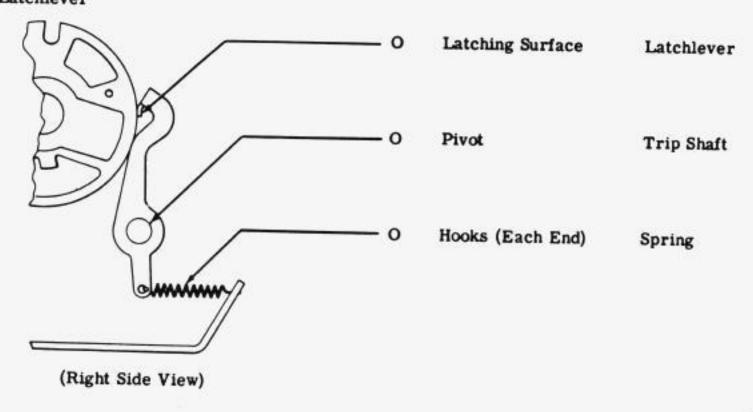
## 2.10 Disc and Brushes

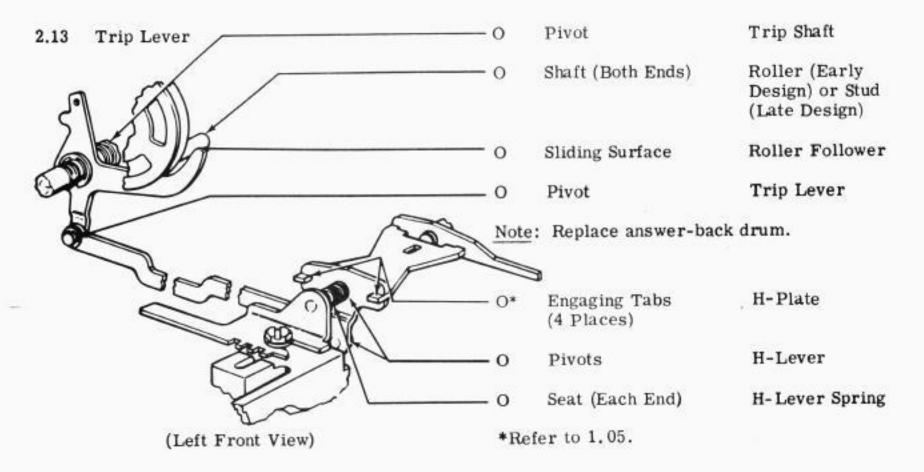


## 2.11 Stop Bail

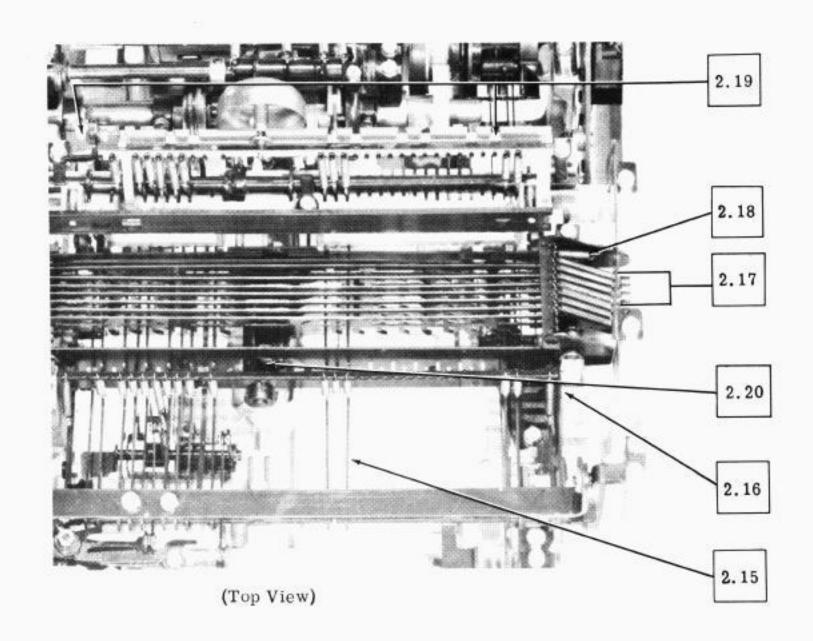


## 2.12 Latchlever

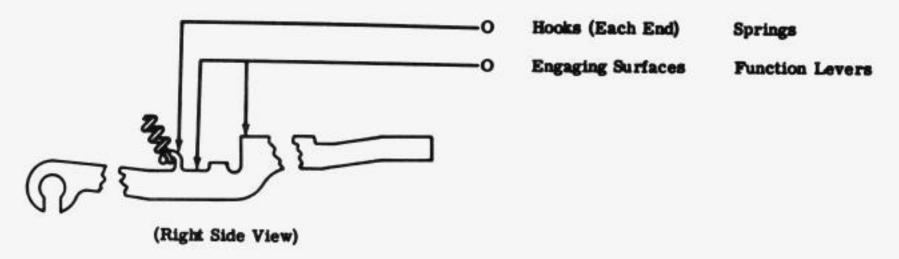




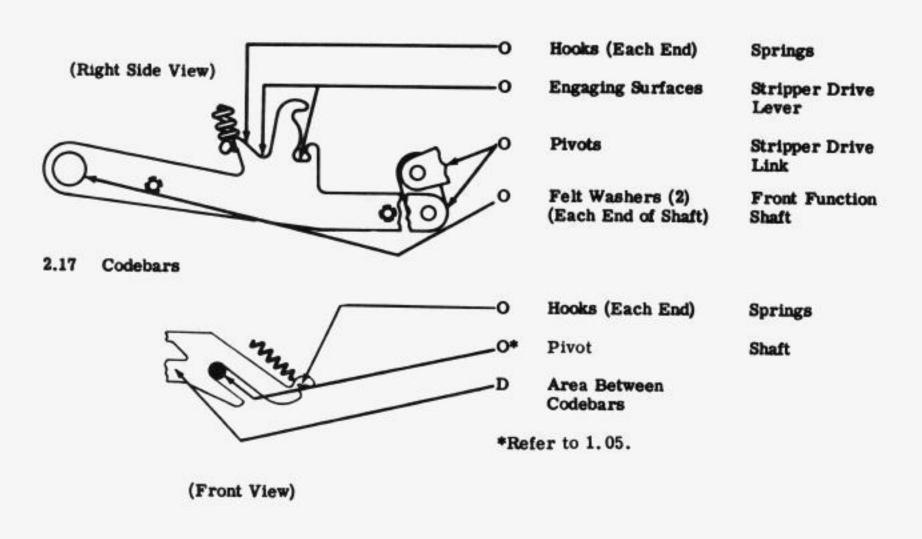
#### 2.14 Function Area

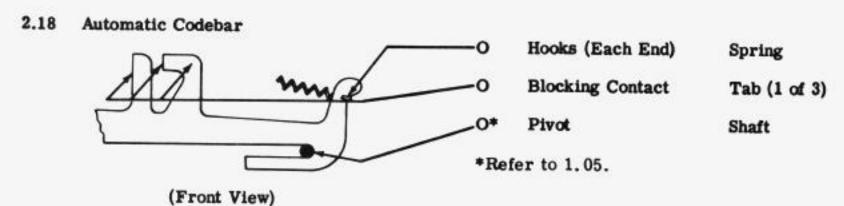


#### 2.15 Function Levers



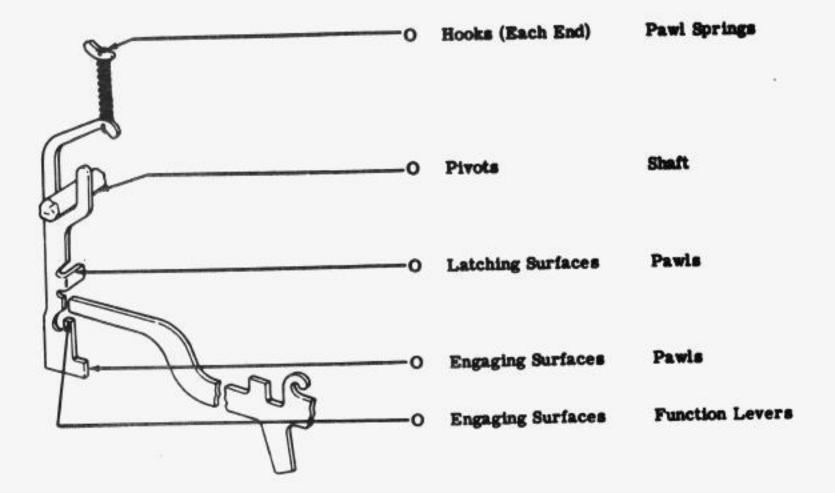
#### 2.16 Stripper Drive Lever





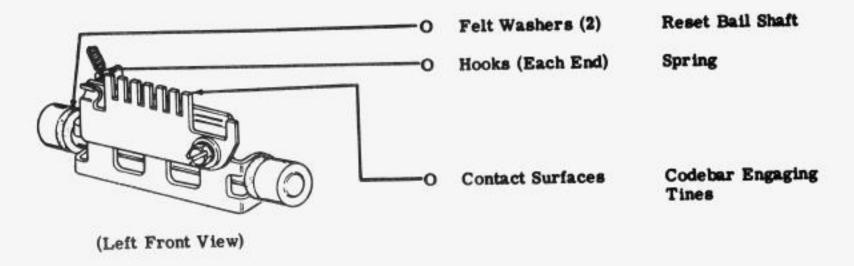
#### SECTION 574-172-701TC

## 2.19 Rocker and Pawls

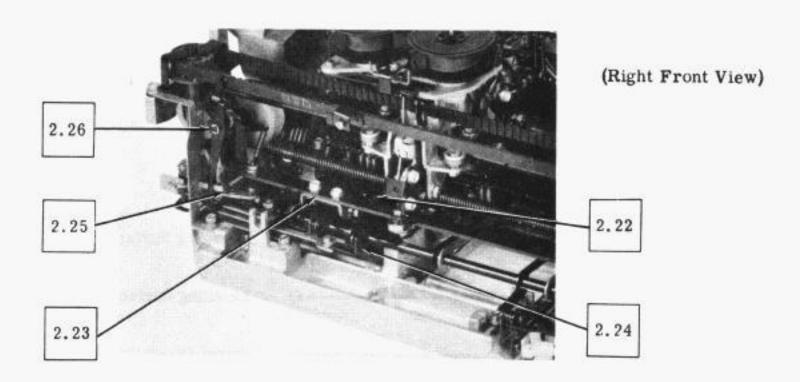


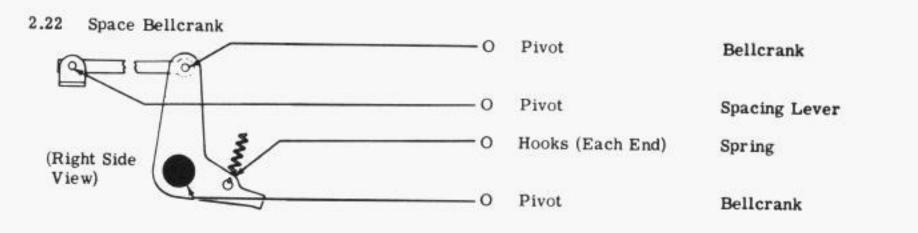
(Left Front View)

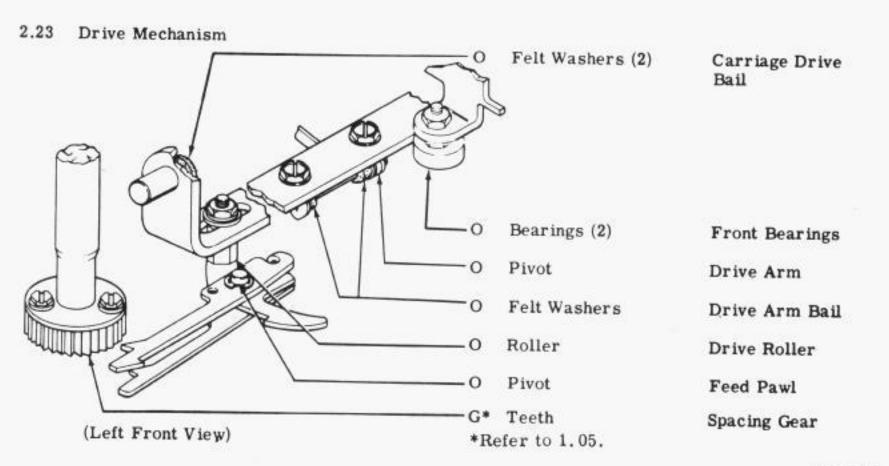
## 2.20 Reset Bail



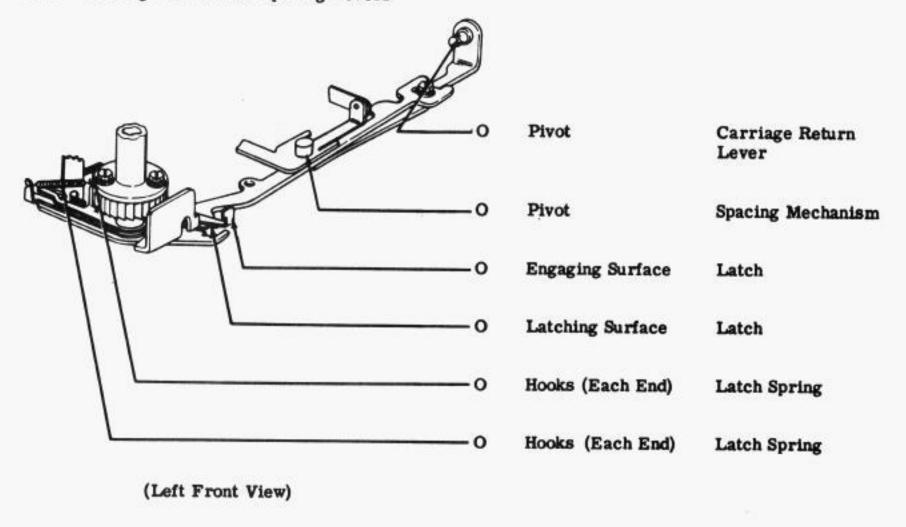
# 2.21 Spacing Area

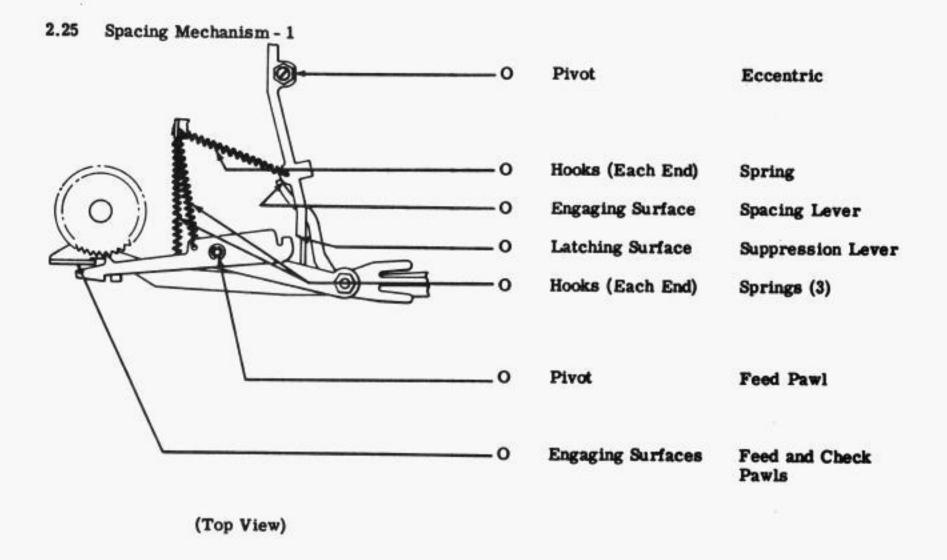






## 2.24 Carriage Return and Spacing Levers



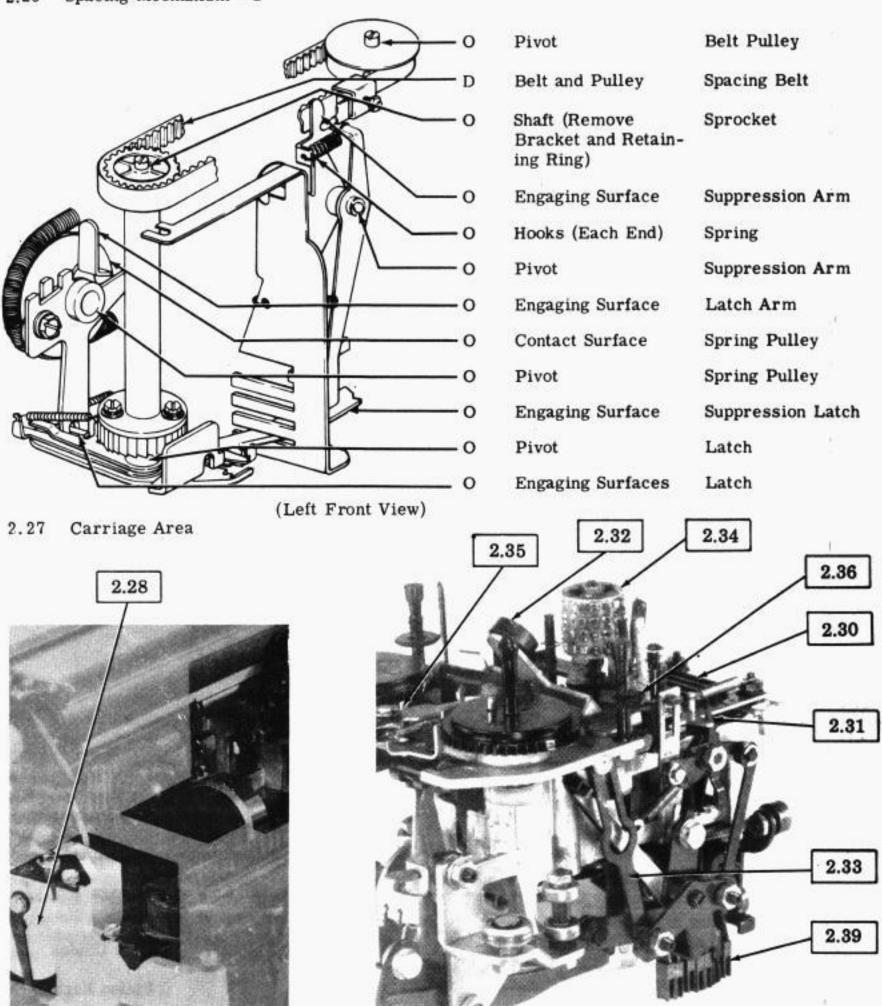


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## 2.26 Spacing Mechanism - 2

(Left Front View)

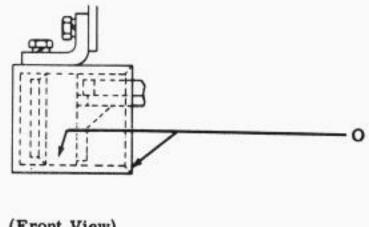
instructions, see Section 574-172-702TC.



Note: Remove ribbon mechanism and carriage return spring before lubricating. For

(Right Front View)

#### 2.28 Dashpot



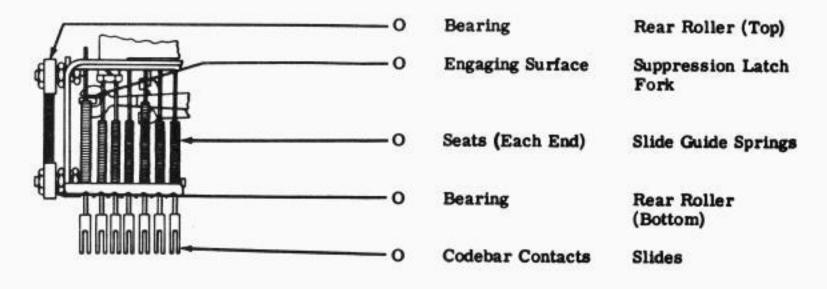
Sliding Surfaces

Dashpot and Cylinder

(Apply with oil dampened cloth. Too much lubricant will cause malfunction.)

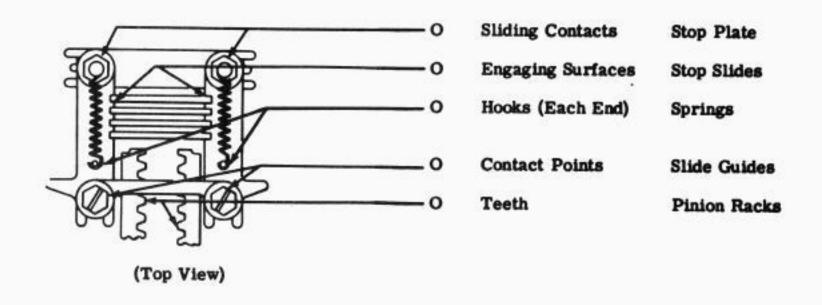
(Front View)

#### 2.29 Slides

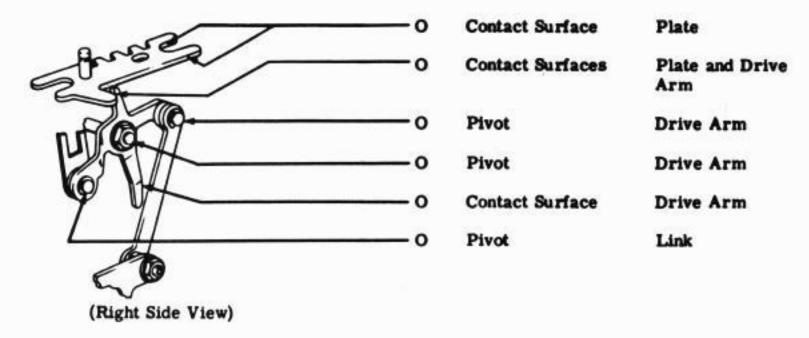


(Left Side View)

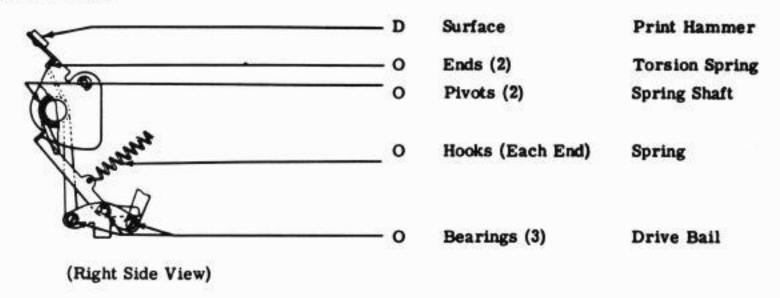
#### 2.30 Slide Guideplates



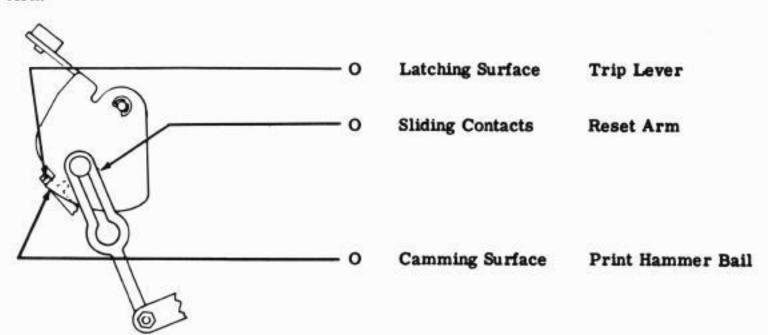
#### 2.31 Drive Arm



#### 2.32 Print Hammer

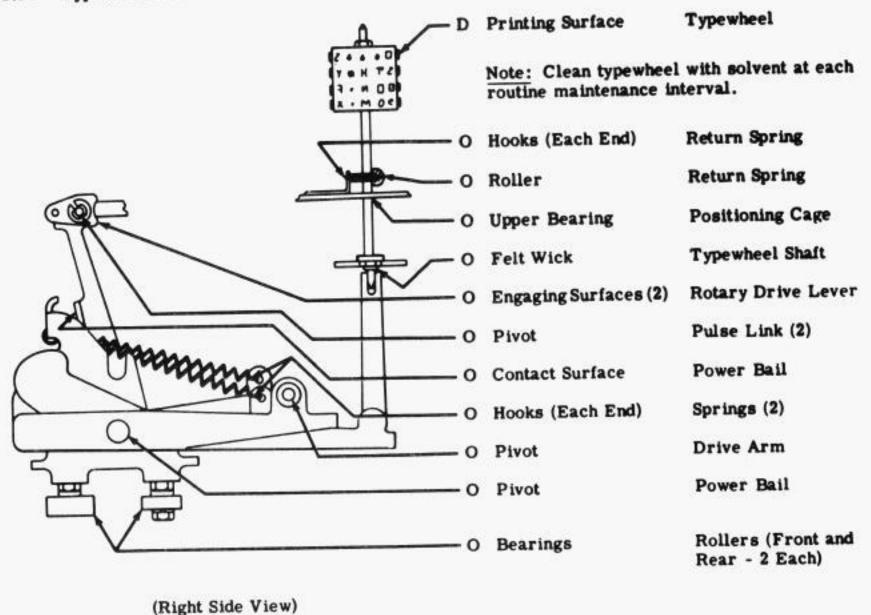


#### 2.33 Reset Arm

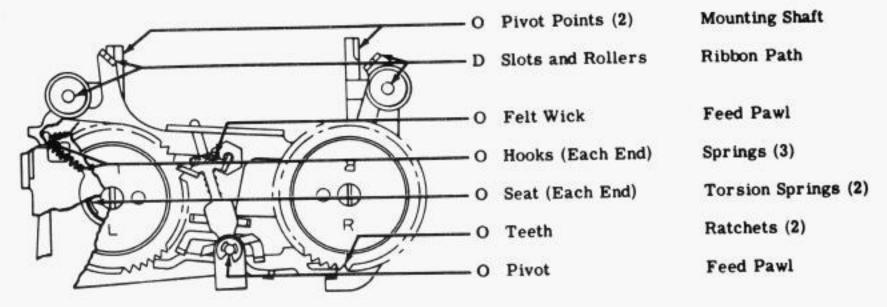


(Right Side View)

## 2.34 Typewheel Mechanism

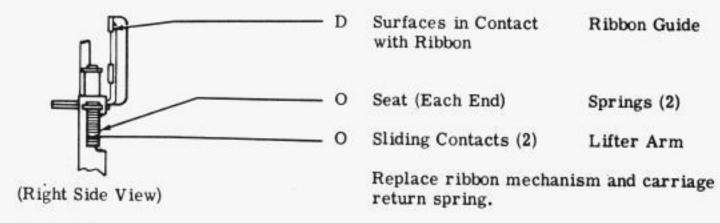


#### 2.35 Ribbon Mechanism



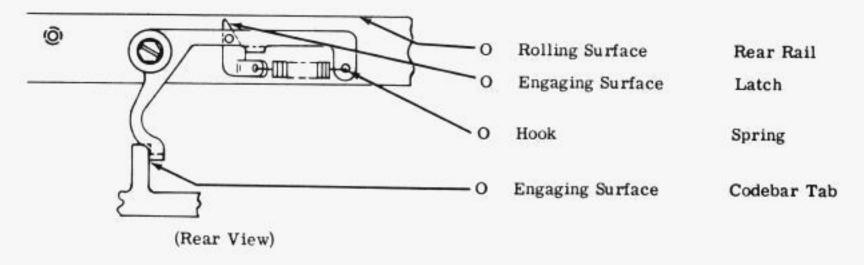
(Top View)

## 2.36 Ribbon Guide Spring

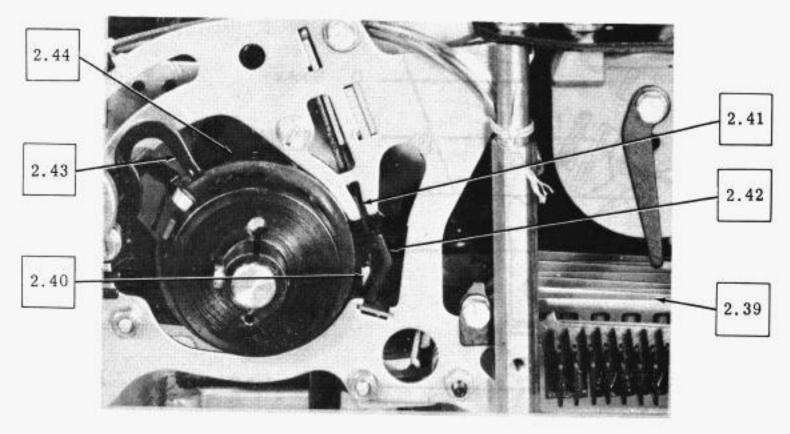


## 2.37 Carriage Rear Rail

Note: For typing units equipped with a TP181304 latch (early design).

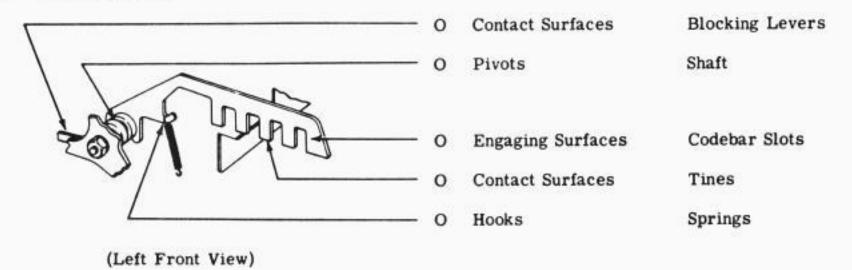


# 2.38 Selector Area

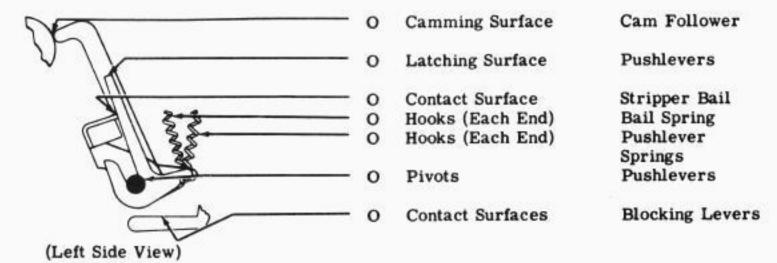


(Left Side View)

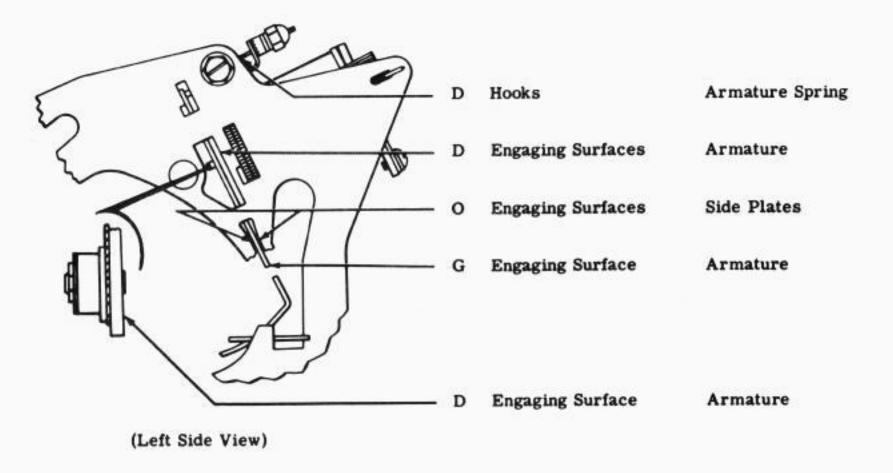
#### 2.39 Blocking Levers



#### 2.40 Pushlevers and Stripper Bail

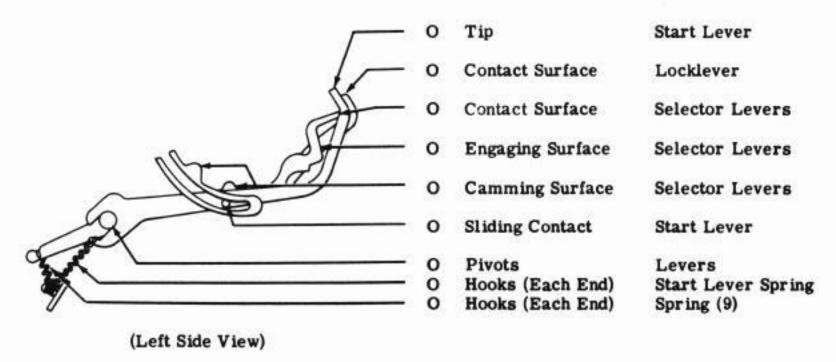


#### 2.41 Armature

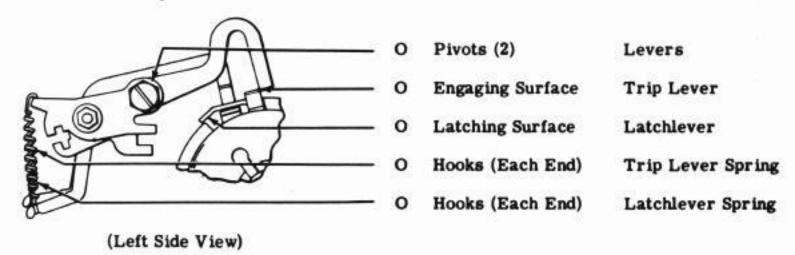


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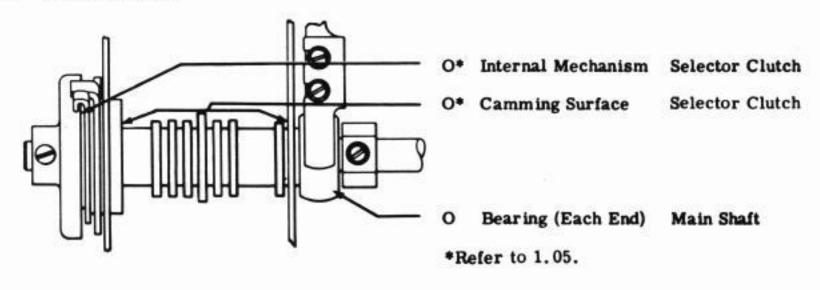
#### 2.42 Selector Levers



#### 2.43 Latchlever and Trip Lever



#### 2.44 Selector Clutch

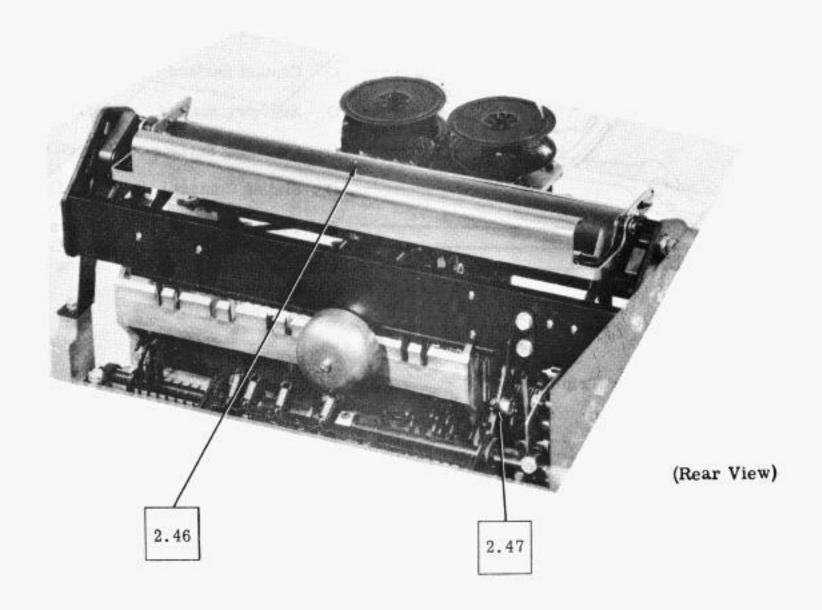


(Top View)

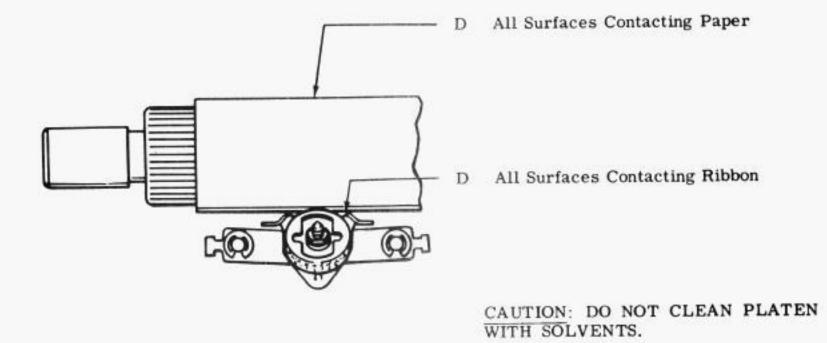
#### SECTION 574-172-701TC

#### FRICTION FEED MECHANISMS

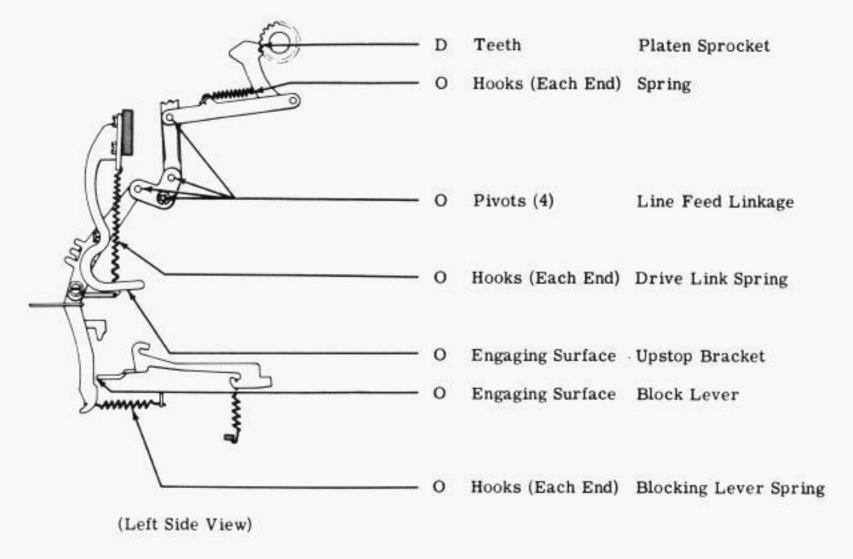
## 2.45 Paper Feed Area



## 2.46 Platen

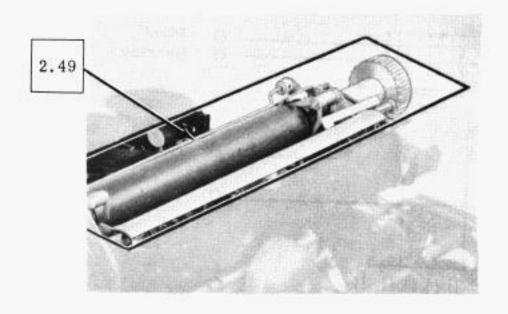


#### 2.47 Line Feed Mechanism



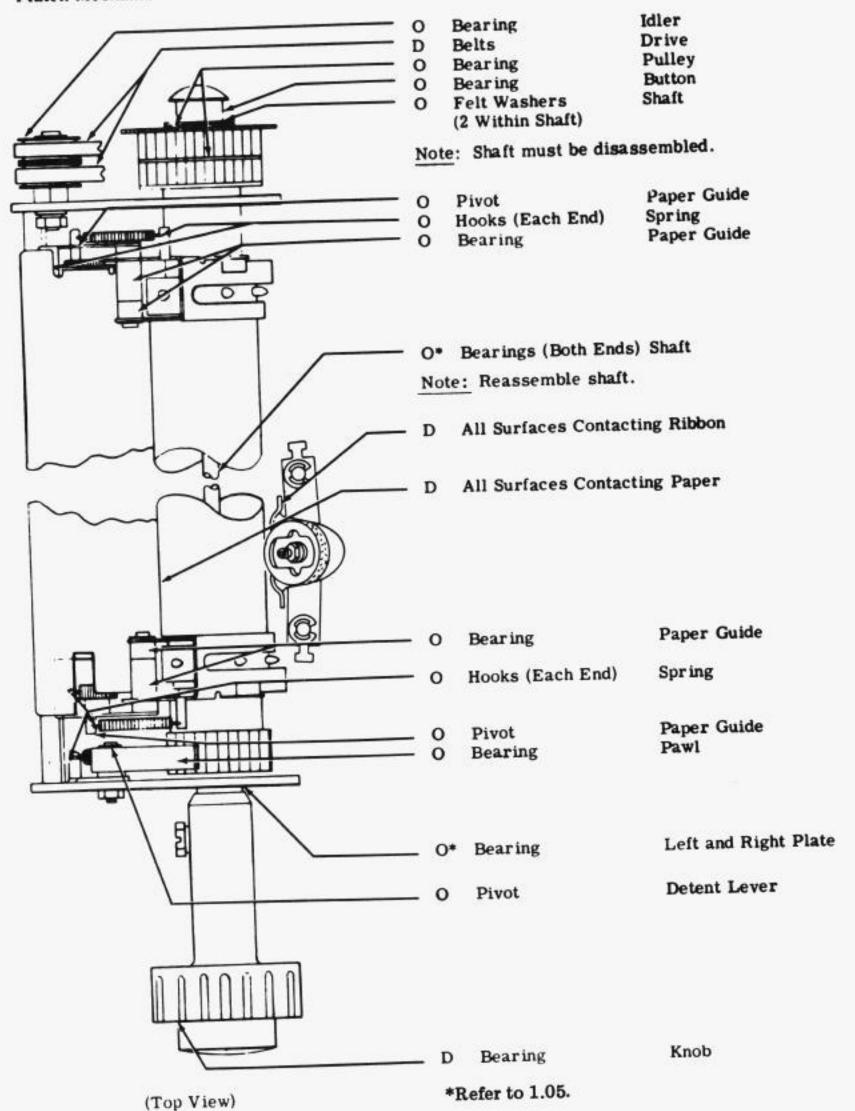
## SPROCKET FEED MECHANISMS

## 2.48 Paper Feed Area

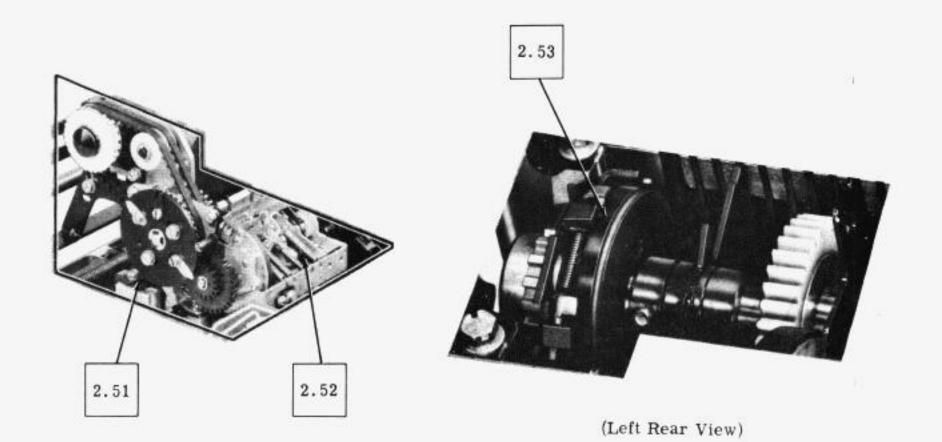


(Right Rear View)

#### 2.49 Platen Mechanism



## 2.50 Platen Drive Area

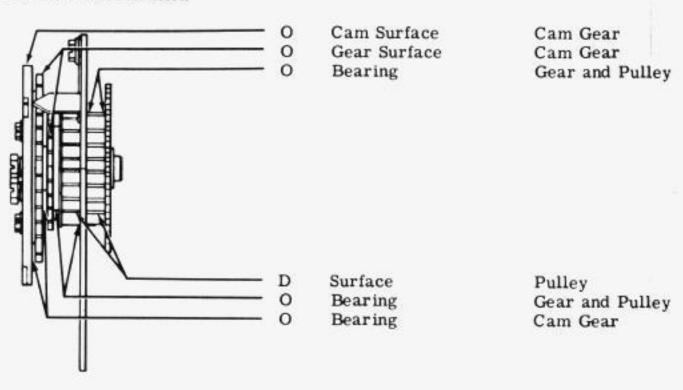


(Right Rear View)

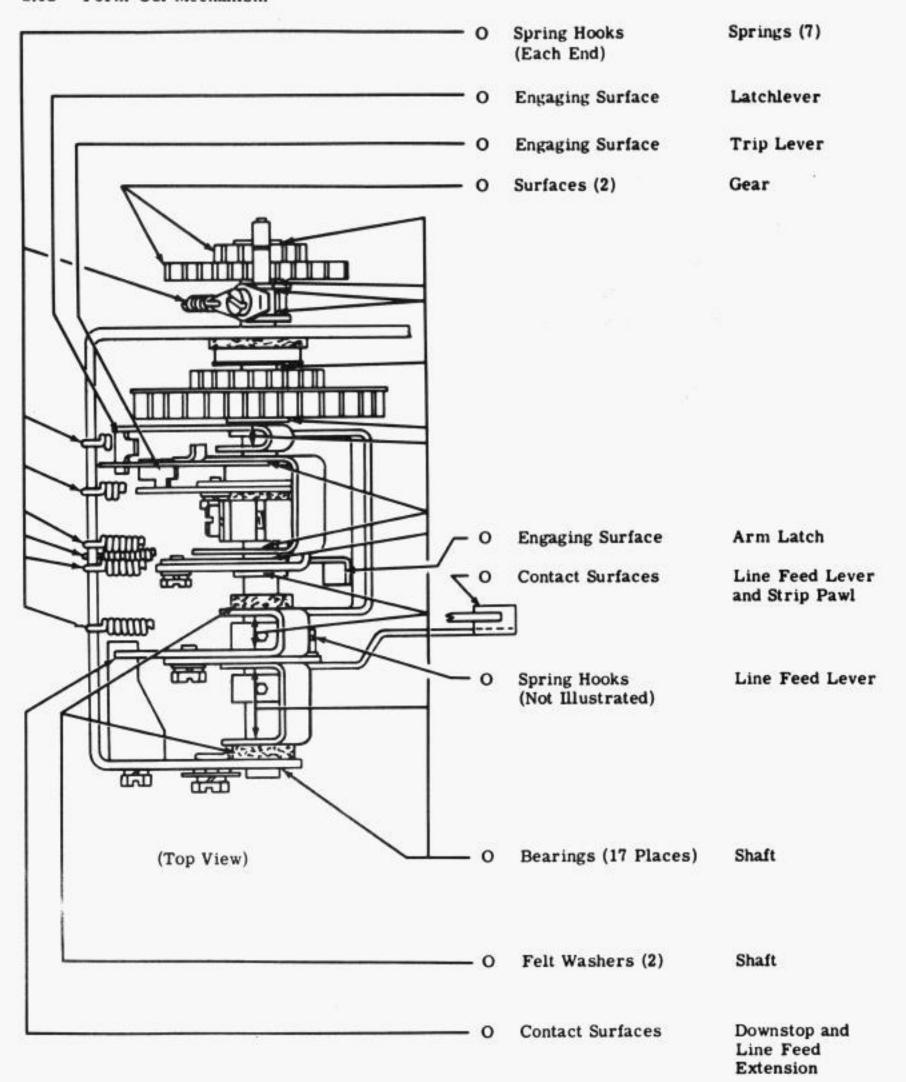
(Form-out mechanism removed for illustration purposes. Removal for lubrication is not required.)

# 2.51 Cam, Pulley, and Gear Combination

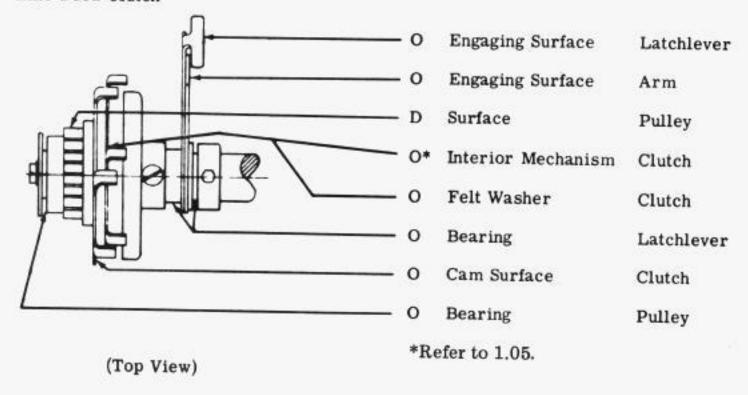
(Top View)



## 2.52 Form-Out Mechanism

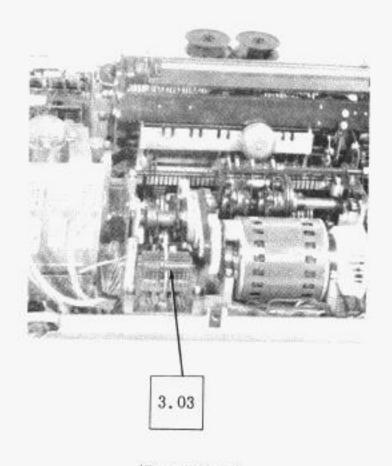


#### 2.53 Line Feed Clutch



# 3. VARIATIONS TO BASIC UNITS

# 3.01 Answer-Back Area

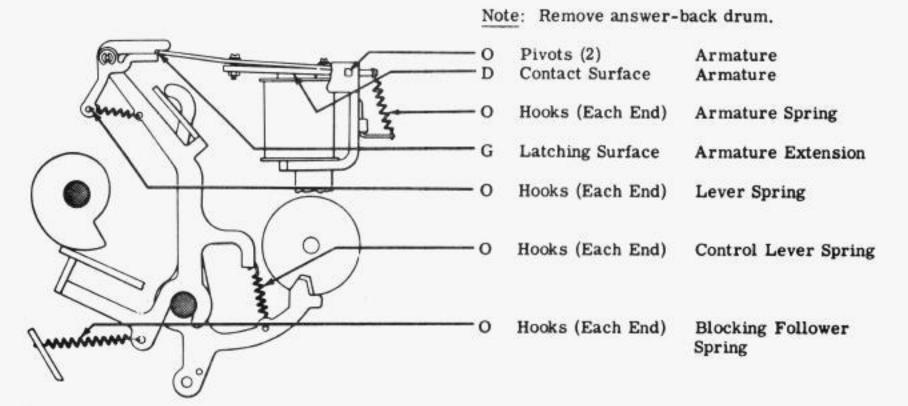


(Rear View)

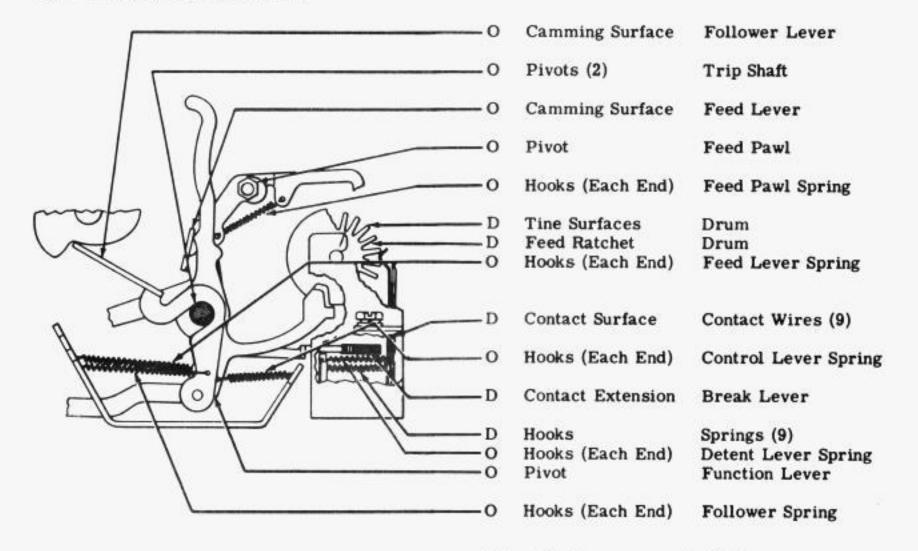


(Left Side View)

#### 3.02 Trip Magnet



3.03 Answer-Back Mechanism



Note: Replace answer-back drum.

CAUTION: DO NOT CLEAN CONTACT BLOCK WITH SOLVENTS.