

33 KEYBOARD

LUBRICATION

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1.04 The lubrication intervals of the keyboard should be similar to the lubrication intervals of the set. The lubrication intervals for the set are dictated by the hours of use (including idle time) on a daily basis. The following charts and notes list the appropriate lubrication intervals.

LUBRICATION INTERVAL IN WEEKS —
BASED ON 5-DAY WEEK (Note 1)

INITIAL LUBRICATION			
DAILY USE			
<u>SPEED</u>	<u>0 to 8 Hours</u>	<u>8 to 16 Hours</u>	<u>16 to 24 Hours</u>
60 WPM	3 Weeks	2 Weeks	1 Week
100 WPM	3 Weeks	2 Weeks	1 Week

REGULAR LUBRICATION (Note 2)			
DAILY USE			
<u>SPEED</u>	<u>0 to 8 Hours</u>	<u>8 to 16 Hours</u>	<u>16 to 24 Hours</u>
60 WPM	39 Weeks	26 Weeks	13 Weeks
100 WPM	26 Weeks	13 Weeks	6 Weeks

1. GENERAL

1.01 This section provides lubrication requirements for the 33 keyboard. It is reissued to provide new lubrication intervals and to provide lubrication requirements for the locking mechanism on keyboards used in No. 1 ESS-ADF (ADNET) and 85A1, 86A1, and 86B1 Selective Calling sets. Marginal arrows indicate the changes and additions.

1.02 The general lubrication areas are illustrated by photographs. The specific points to receive lubricant are indicated on line drawings with appropriate textual instructions. The line drawings and textual instructions follow a photograph and are keyed to the photograph by paragraph numbers.

1.03 Thoroughly lubricate the keyboard, but avoid overlubrication that might permit the lubricant to drip or be thrown onto adjacent parts.

Note 1: Reduce lubrication intervals 15 percent when usage is 6 days per week, 30 percent when usage is 7 days per week.

Note 2: Teletypewriters with typing unit serial numbers above 144,000 use lubrication intervals given above; sets with typing units below 144,000 reduce lubrication intervals 33 percent.

Note 3: Sets operating at speeds between 60 and 100 wpm, use lubrication requirements for the lower of the two speeds.

Note 4: The lubrication intervals are for the set as a whole — all components of the set should be lubricated at this interval.

SECTION 574-121-701

1.05 The textual instructions that accompany each line drawing consist of abbreviated directions, specific lubrication points, and parts affected. The meanings of the abbreviated directions (symbols) are given below:

Symbol	Meaning
D	Keep dry - no lubricant permitted.
O	Oil (KS7470).
G	Apply thin coat of grease (KS7471).

1.06 References to left, right, front, or rear, etc, consider the keyboard to be viewed from a position where the spacebar faces up and the contact mechanism is located to the viewer's right.

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 PART OR SUBASSEMBLY WITH A SOFT, DAMP CLOTH AND BUFF WITH A SOFT, DRY CLOTH.

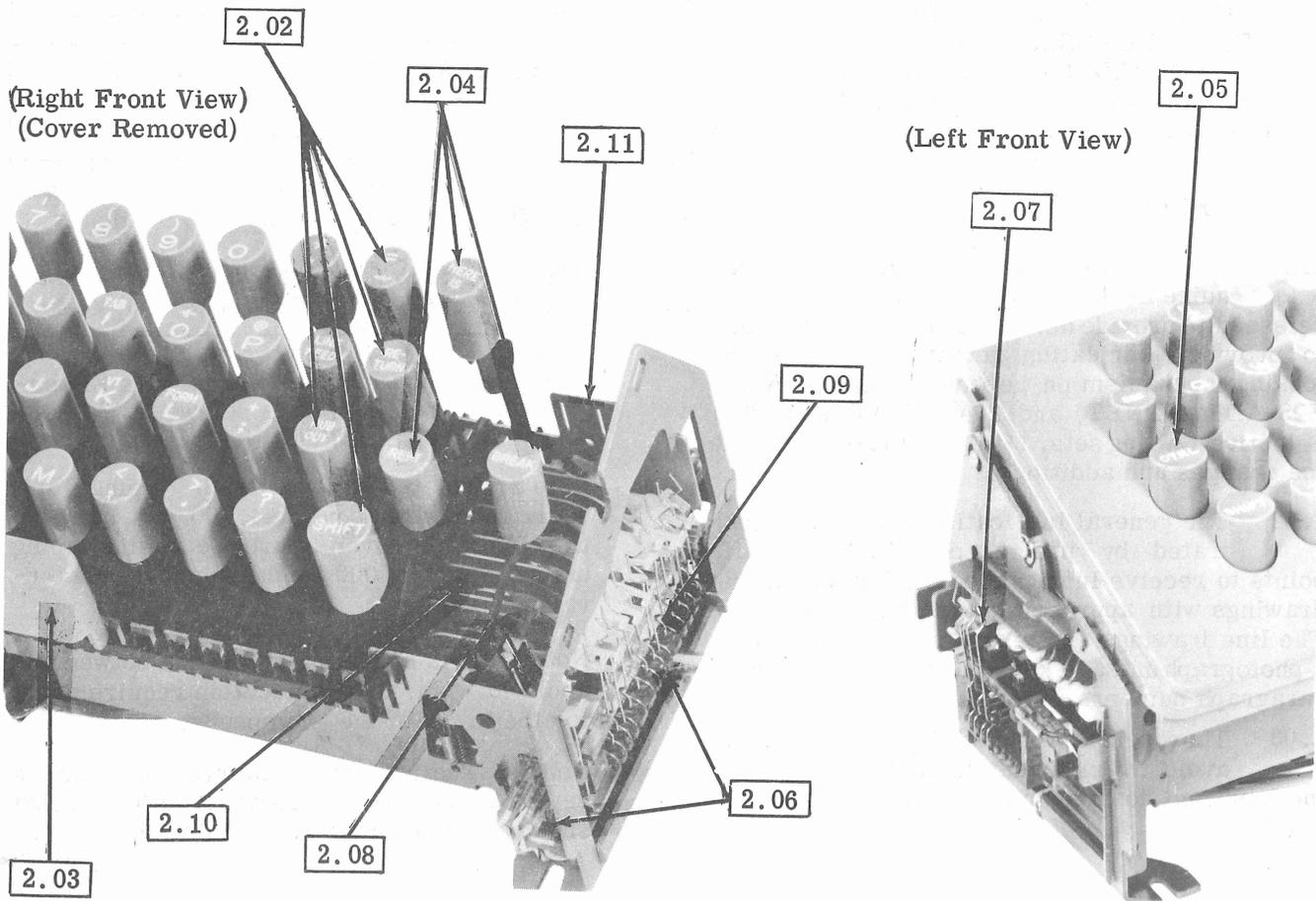
1.07 Materials needed for teletypewriter lubrication are listed in Section 570-004-701. Required tools are included in TP185830 maintenance tool kit and are listed in Section 570-005-800.

1.08 Disassembly and reassembly instructions are given in Section 574-121-702.

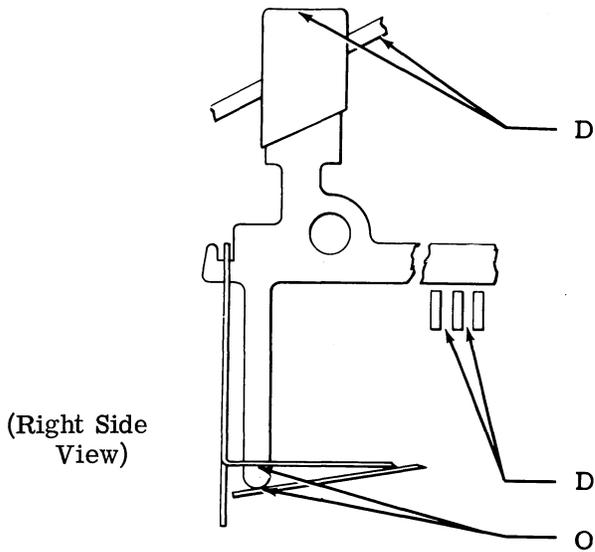
CAUTION: REMOVE ALL ELECTRICAL POWER FROM UNIT BEFORE LUBRICATION OR DISASSEMBLY.

2. BASIC UNIT

2.01 Keyboard



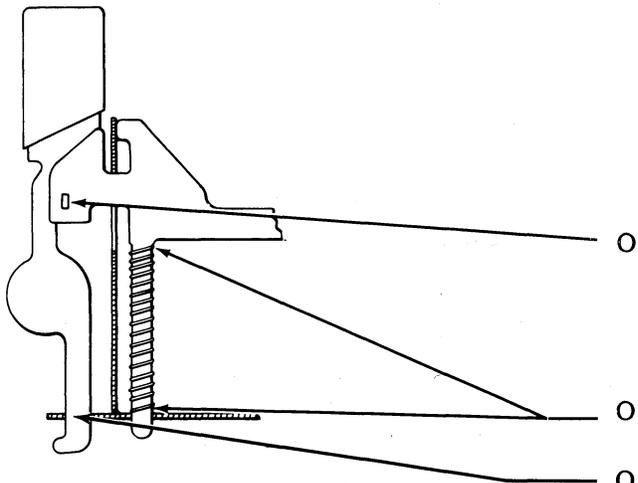
2.02 Keylevers



(Right Side View)

- D Top Surface Keytops and Keyboard Cover
- D Areas Between Bars Codebars
- O Contact Surface Keylever Springs

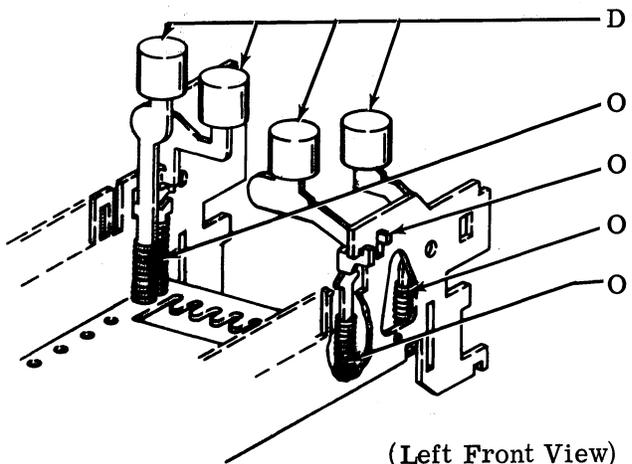
2.03 Spacebar



(Right Side View)

- O Contact Surfaces (5) Space Lever
- O Seat (Each End) Springs (2)
- O Sliding Surfaces Space Lever

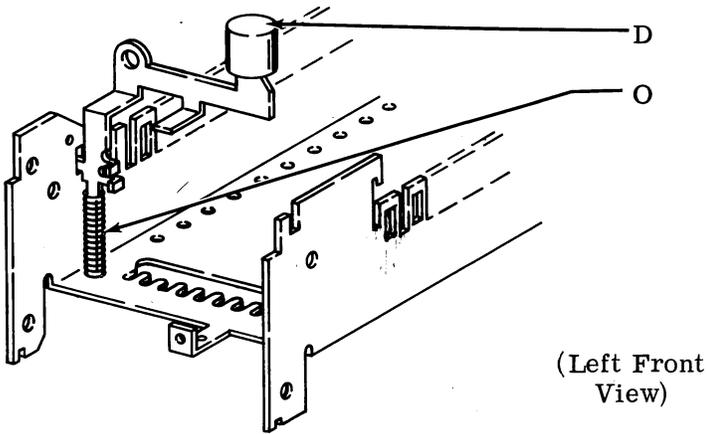
2.04 HERE IS, BREAK, and REPT Keylevers



(Left Front View)

- D Top Surface Keytops
- O Seat (Each End) Springs
- O Contact Surfaces Keylevers
- O Seat (Each End) Spring
- O Seat (Each End) Spring

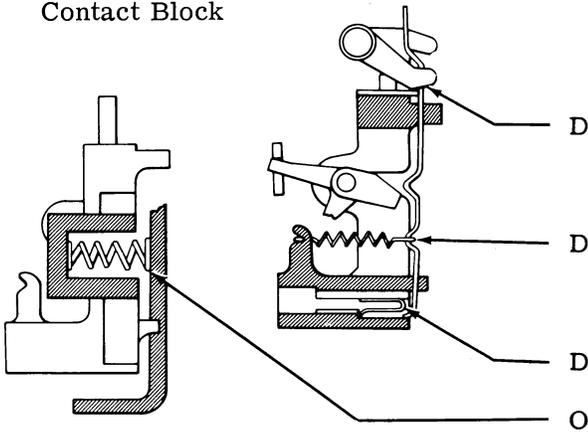
2.05 CTRL Keylever



- D Top Surface Keytop
- O Seat (Each End) Spring

(Left Front View)

2.06 Contact Block

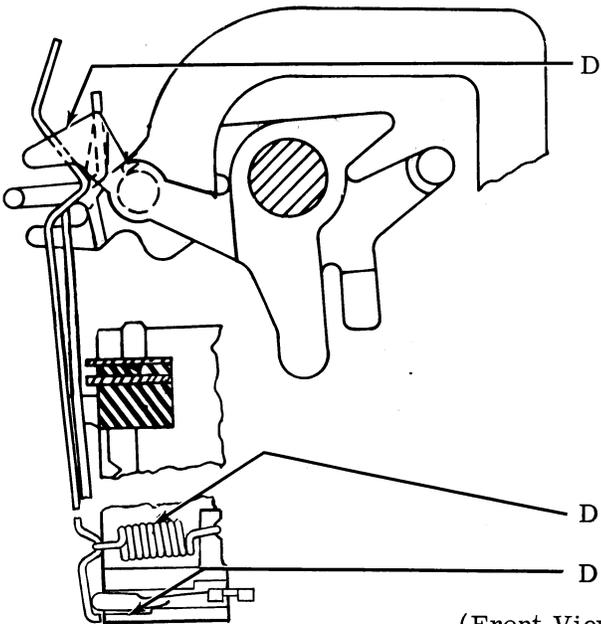


- D Contact Surface Contact Wires
- D Springs Contact Wires
- D Contact Surface Contact Wires
- O Seat Springs (2)

(Front Views)

CAUTION: DO NOT CLEAN THE KEYBOARD CONTACT BLOCK WITH ALCOHOL, MINERAL SPIRITS, OR OTHER SOLVENTS.

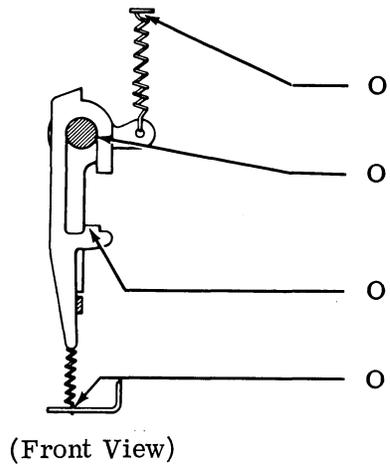
2.07 Auxiliary Contact Block



- D Contact Surfaces Contact Wires
- D Springs Contact Wires
- D Contact Surface Contact Wires

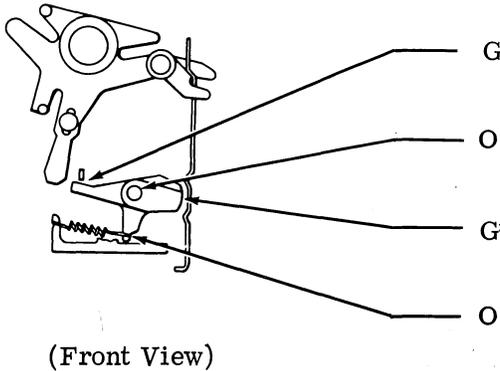
(Front View)

2.08 Latchlever Hooks



- O Hooks (Each End) Latchlever Spring
- O Pivot Latchlever and Nonrepeat Lever
- O Contact Surface Latchlever
- O Hooks (Each End) Nonrepeat Spring

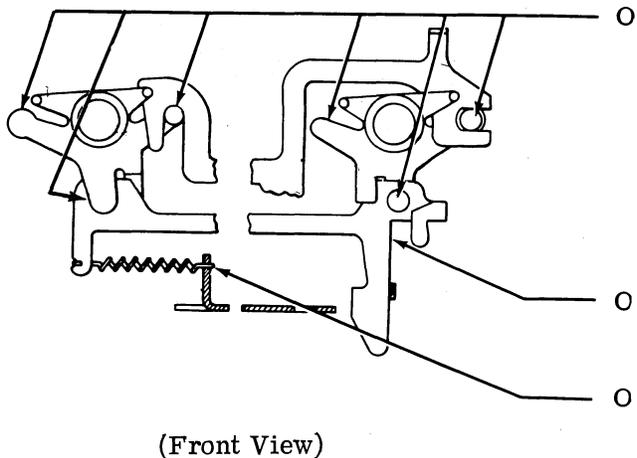
2.09 Reset Bail



- G* Contact Surface Universal Lever
- O Pivots (2) Reset Bail
- G* Camming Surface Reset Bail
- O Hooks (Each End) Bail Spring

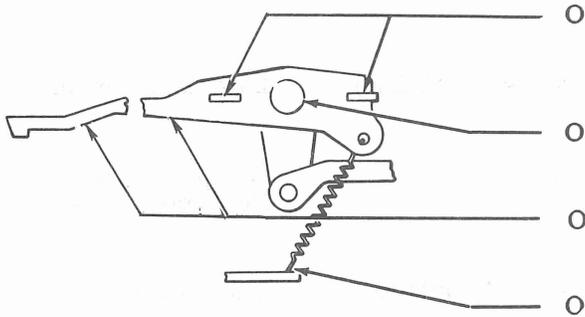
*When unit is lubricated at repair center, apply a coat of thoroughly mixed 50 percent KS7470 oil and 50 percent KS7471 grease.

2.10 Codebar Mechanism



- O Pivots T-Levers
- O Contact Surface Universal Link
- O Hooks (Each End) Link Spring

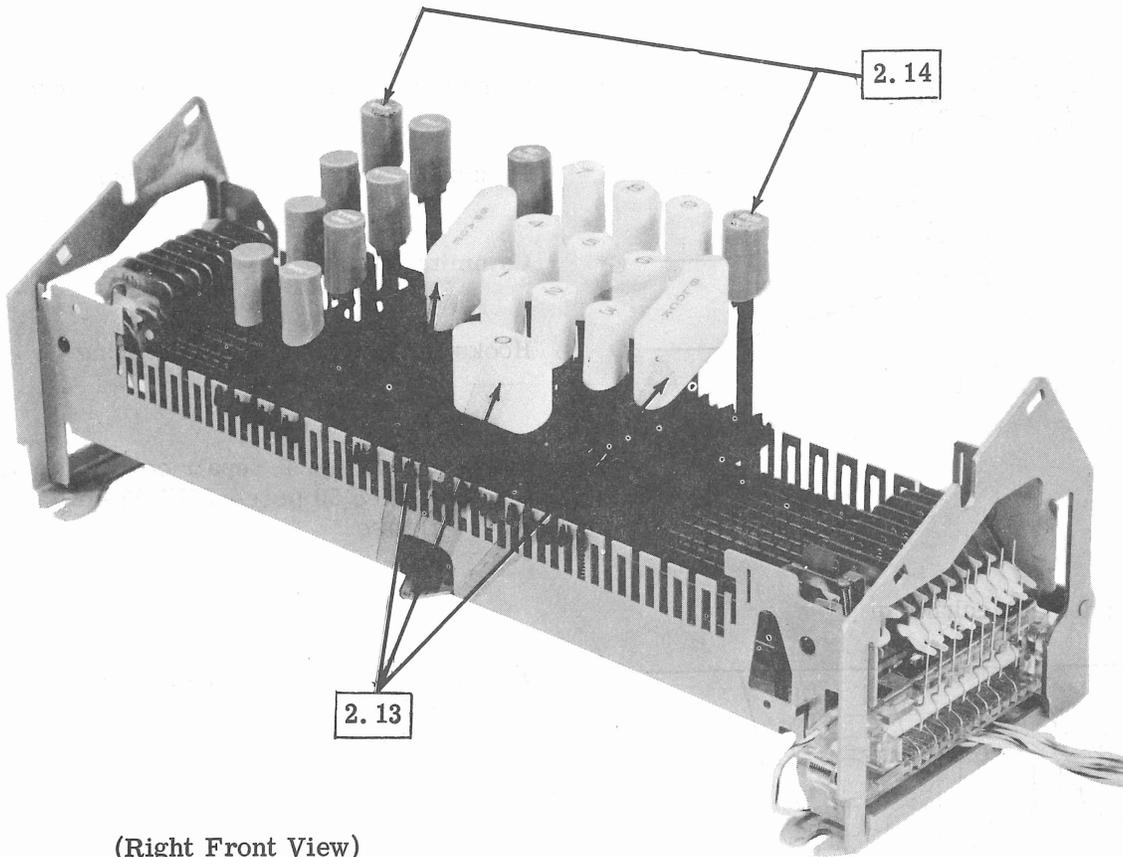
2.11 Universal Lever



- O Engaging Tabs H-Lever
- O Pivot Universal Lever
- O Engaging Surfaces Universal Lever
- O Hooks (Each End) Spring

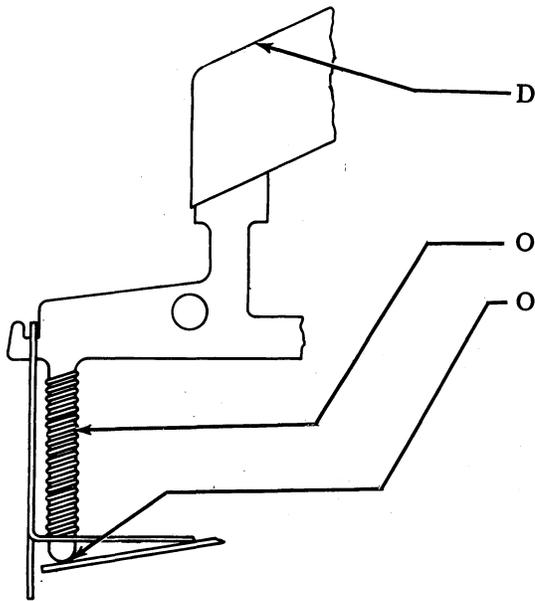
(Right Side View)

2.12 Numeric Keyboard (Cover Removed)



(Right Front View)

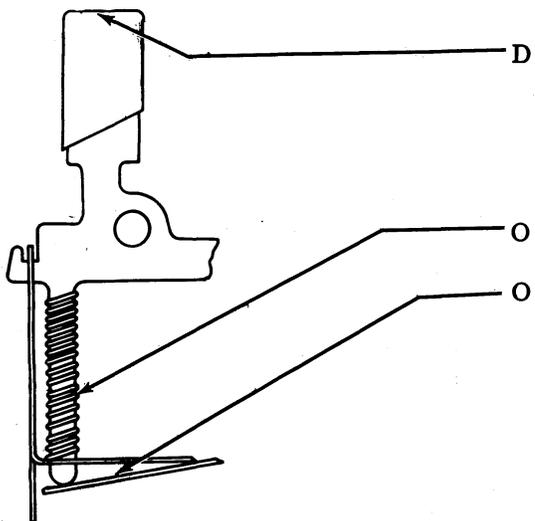
2.13 SPACE, BLOCK, and O Keylevers



- D Top Surface Keytop
- O Seat (Each End) Spring
- O Contact Surface Keylever Springs

(Right Side View)

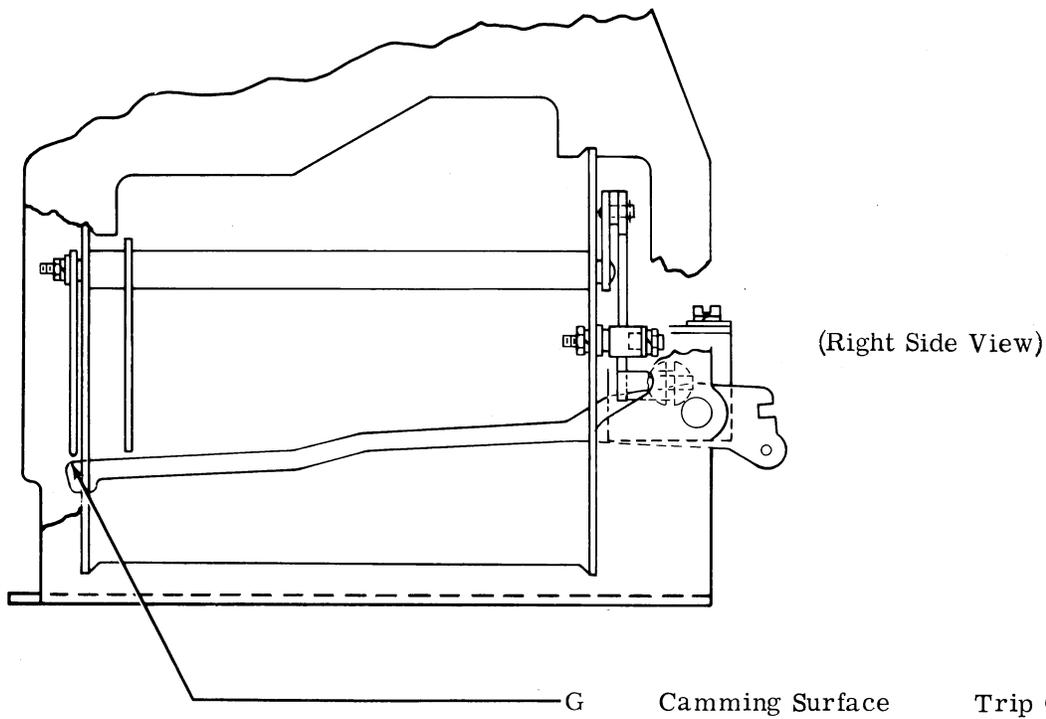
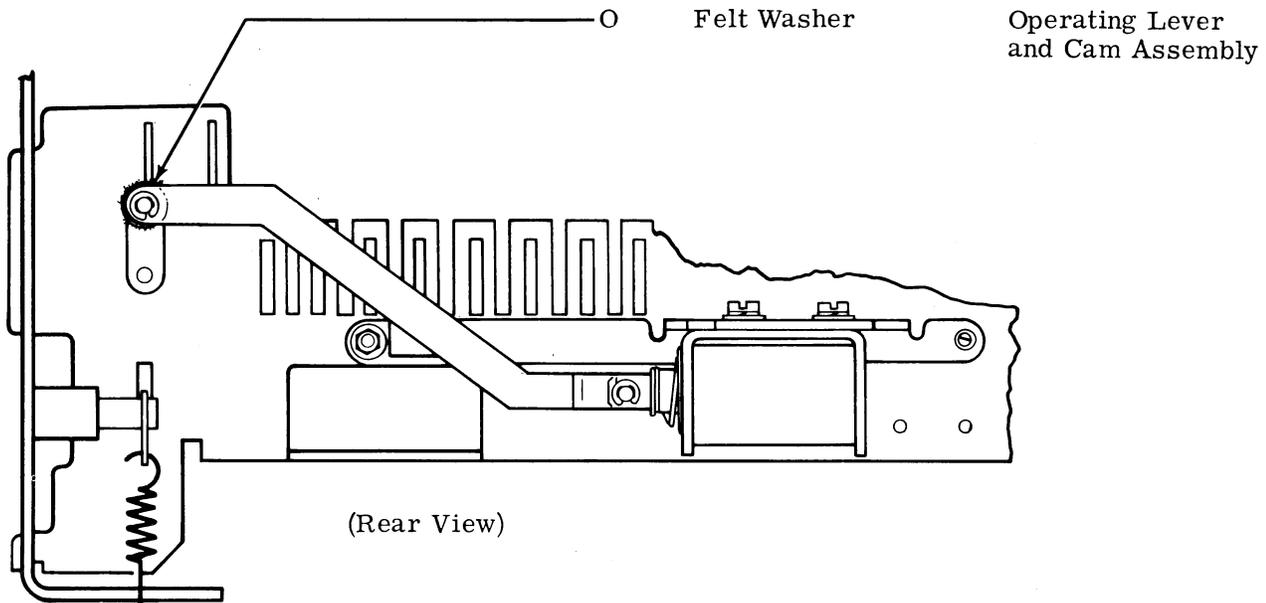
2.14 Numeric Keylevers



- D Top Surface Keytops
- O Seat (Each End) Spring
- O Contact Surface Keylever Springs

(Right Side View)

3. LOCKING MECHANISM FOR KEYBOARDS USED IN NO. 1 ESS-ADF
(ADNET) AND 85A1, 86A1, AND 86B1 SELECTIVE CALLING (LATE DESIGN)



Note: Lubrication requirements for earlier versions locking mechanisms are the same. Oil felt washer at the operating lever and cam assembly and grease the camming surface of the trip cam.