

33 TAPE READER

LUBRICATION

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to make sure no areas have been missed. Thereafter, lubricate the tape reader at regular intervals as indicated below:

<u>Operating Speed</u> (Words per Minute)	<u>Lubrication</u> <u>Interval</u>
100	500 hours* or 6 months**

*Station meter 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) are given below:

<u>Symbol</u>	<u>Meaning</u>
D	Keep dry - no lubricant permitted.
G	Apply thin coat of KS7471 grease.
L	Apply thin coat of Lubriplate 105 (2 oz tube TP108805).
O	Oil (KS7470 oil).

1. GENERAL

1.01 This section contains lubrication requirements for the tape reader. It is reissued to provide the latest lubrication information for the 33 reader. Marginal arrows indicate 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. Line drawings and textual instructions follow each photograph and are keyed to the photograph by paragraph numbers.

1.03 Thoroughly lubricate the tape reader, but avoid over lubrication that might permit the lubricant to drip or be thrown onto adjacent parts. Saturate all felt washers.

1.04 Lubricate the tape reader before placing it into service or prior to storage. After a short period of service, relubricate it

1.06 References to left, right, front, or rear, etc, consider the tape reader to be viewed from a position where the feed wheel faces up and the lid latch is to the viewer's right. Orientation references in the clutch trip area consider the armature extension to be facing up with the contact bracket pry points 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

SECTION 574-124-701

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 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

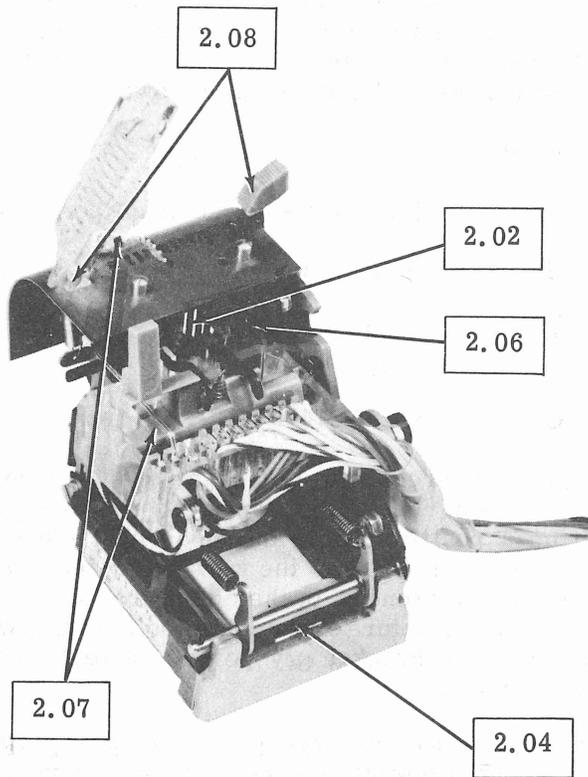
TP185830 maintenance tool kit and are listed in Section 570-005-800.

1.08 For disassembly and reassembly information, refer to Section 574-124-702.

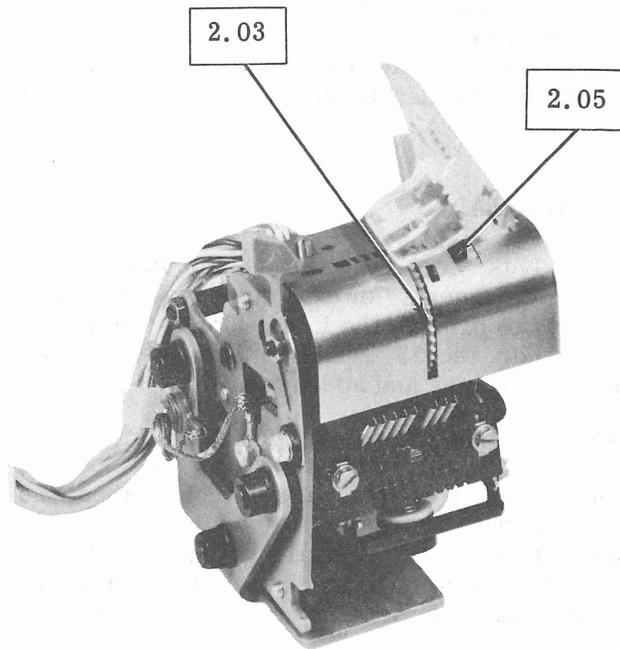
CAUTION: REMOVE ALL ELECTRICAL POWER FROM UNIT BEFORE LUBRICATING OR DISASSEMBLING COMPONENTS.

2. BASIC UNIT

2.01 Tape Reader

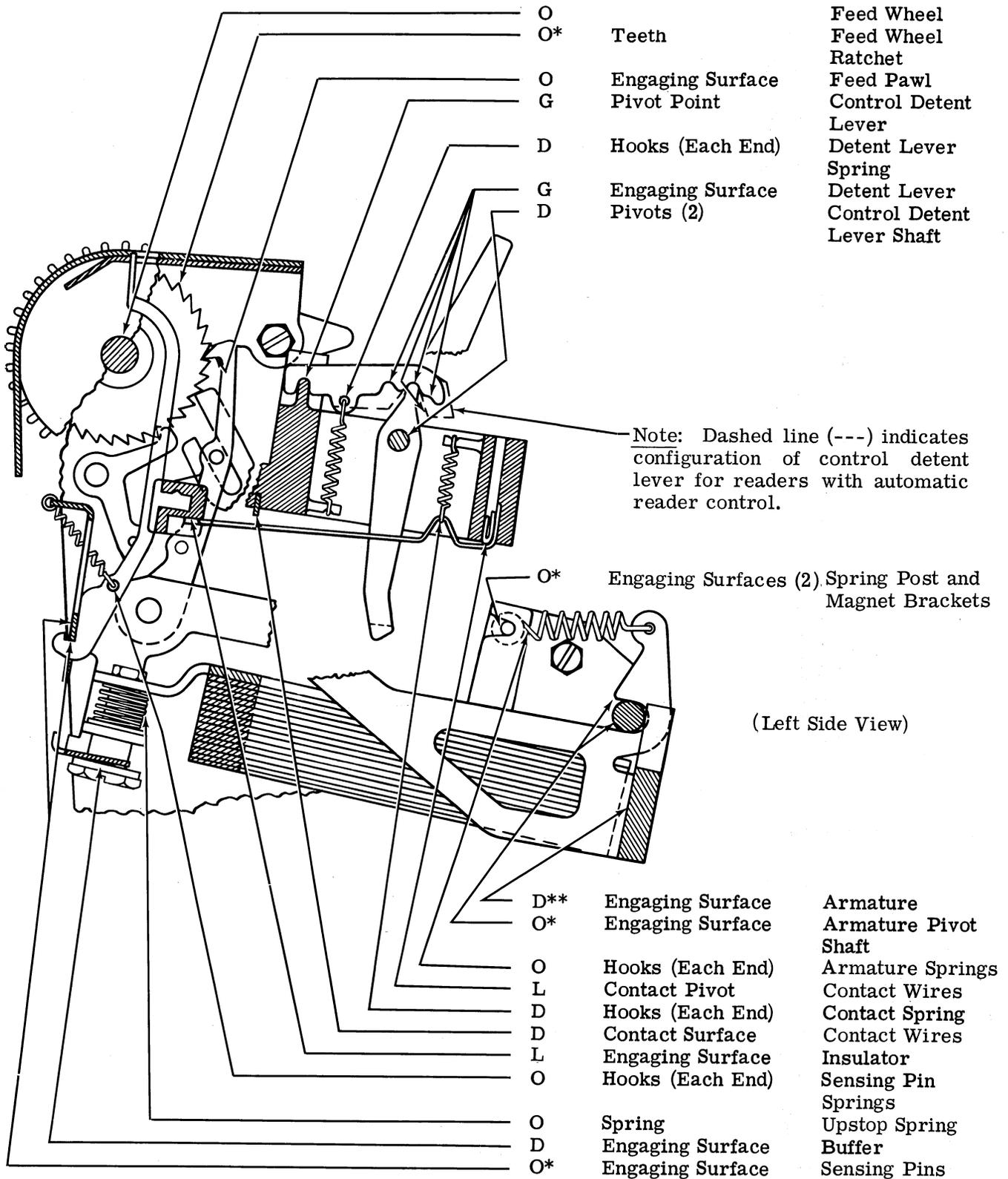


(Left Front View)



(Right Rear View)

2.02 Tape Reader Mechanism

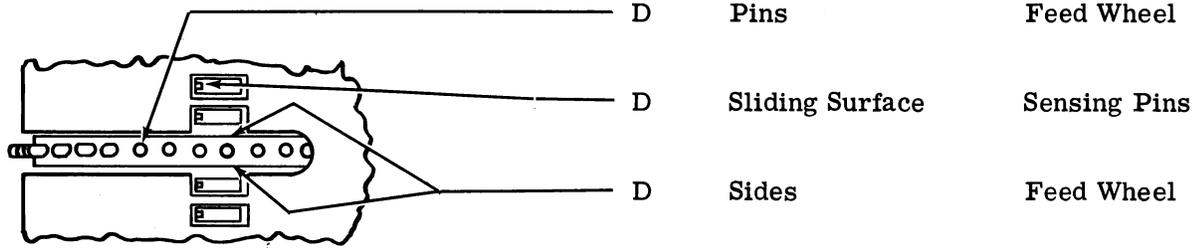


*When unit is lubricated at repair center, apply with a coat of thoroughly mixed 50 percent KS7470 oil and 50 percent KS7471 grease.

**Some oil leakage on this surface is permissible.

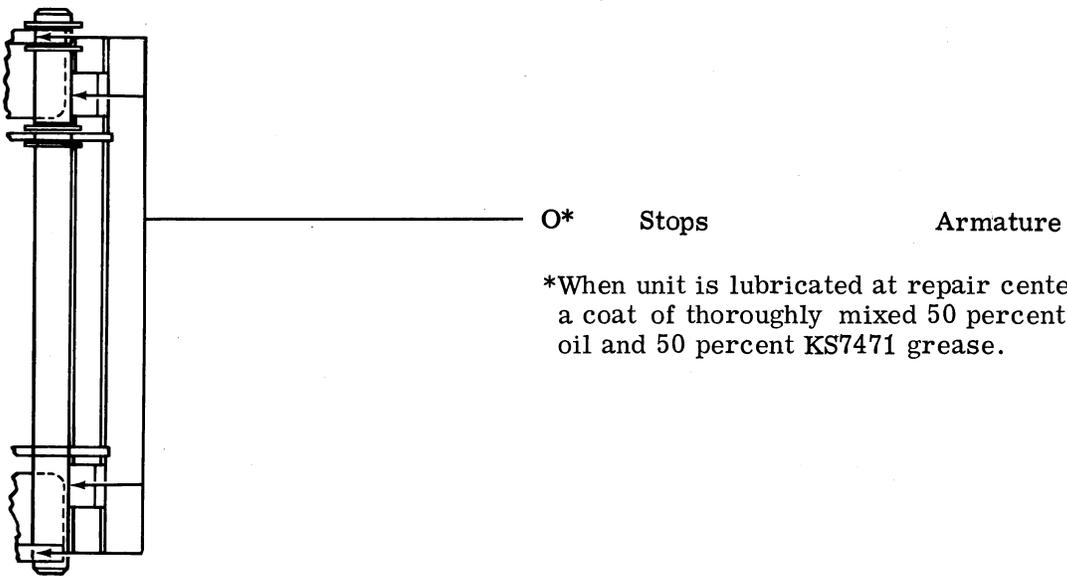
SECTION 574-124-701

2.03 Feed Wheel



(Top View)

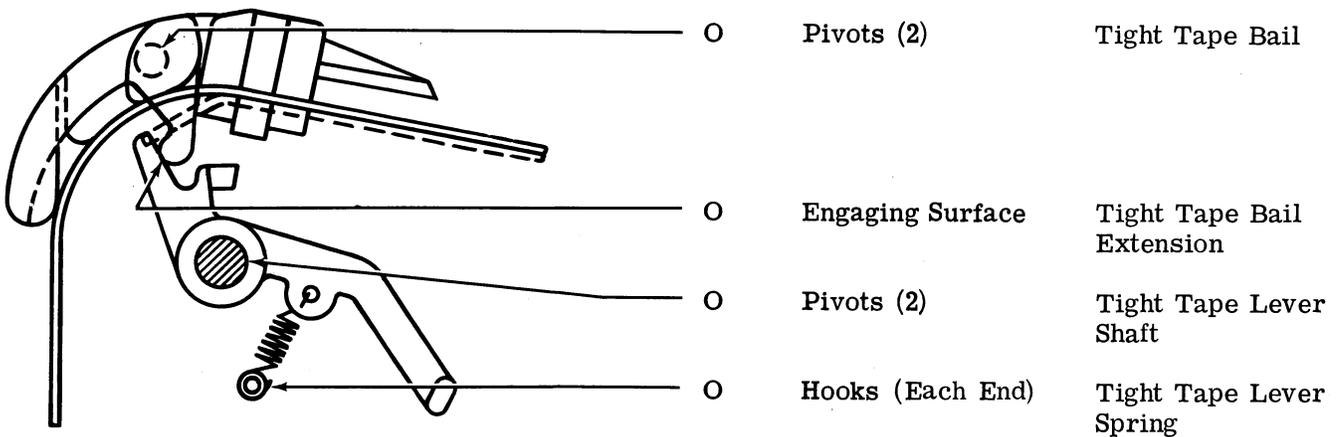
2.04 Armature Shaft



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

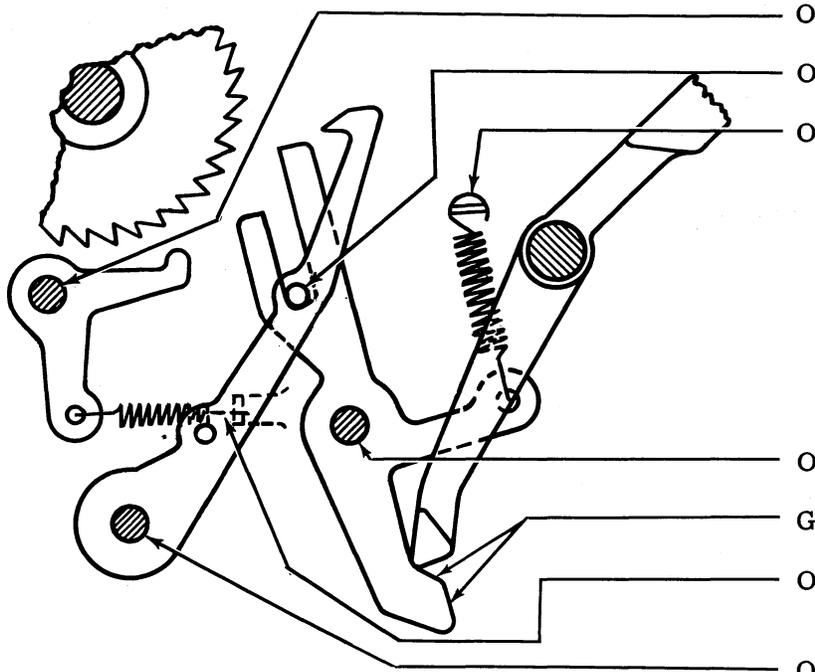
(Top View)

2.05 Tight Tape Mechanism



(Left Side View)

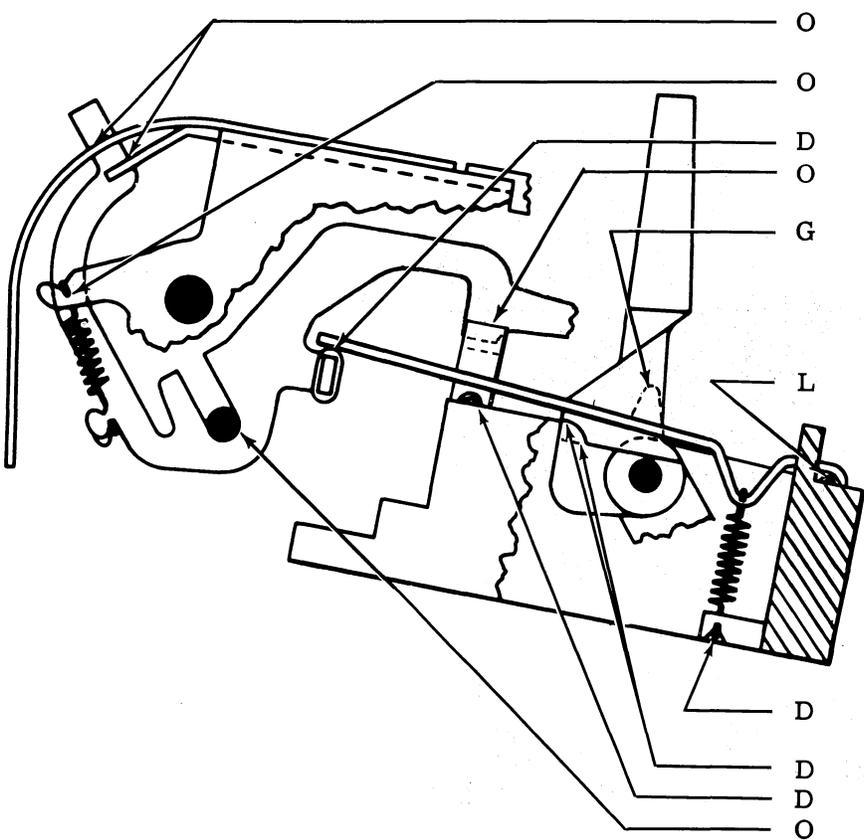
2.06 Feed Pawl Mechanism



(Left Side View)

- O Pivot Detent Lever Shaft
- O Pivot Feed Pawl Stud
- O Hooks (Each End) Blocking Pawl Spring
- O Pivot Blocking Pawl
- G Engaging Surface Blocking Pawl
- O Hooks (Each End) Detent Lever Spring
- O Pivot Feed Pawl

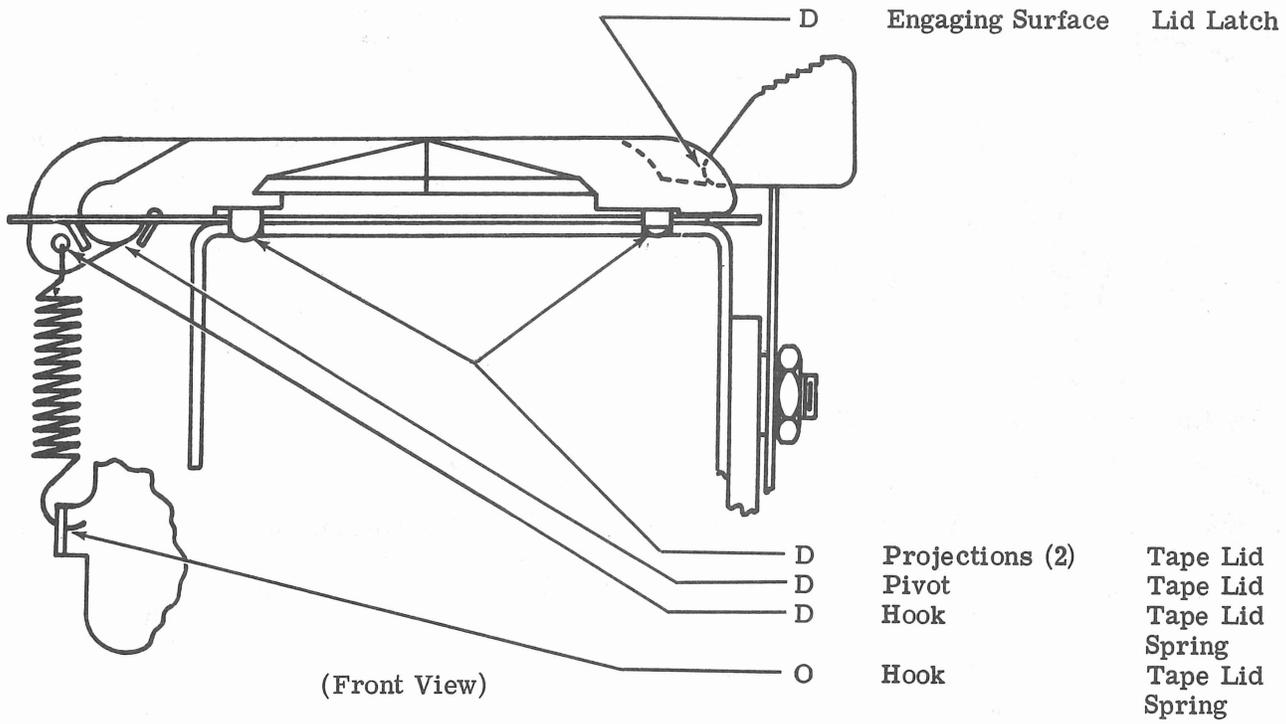
2.07 Control Mechanism



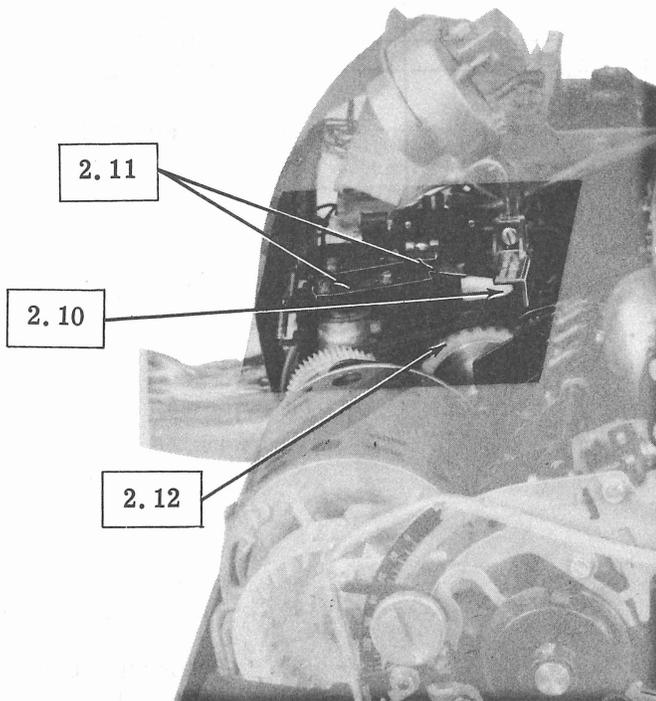
(Left Side View)

- O Sliding Surface Tape-Out Pin Guide ←
- O Hooks (Each End) Tape-Out Pin Spring
- D Engaging Surface Insulator
- O Sliding Surface Tape-Out Lever Guide
- G Camming Surface Tape-Out Lever Cam
- L Pivot Contact Wire
- D Hooks (Each End) Contact Wire Springs
- D Camming Surface Control Lever Terminal
- D Contact Surface
- O Pivot Tape-Out Lever

2.08 Tape Lid Mechanism

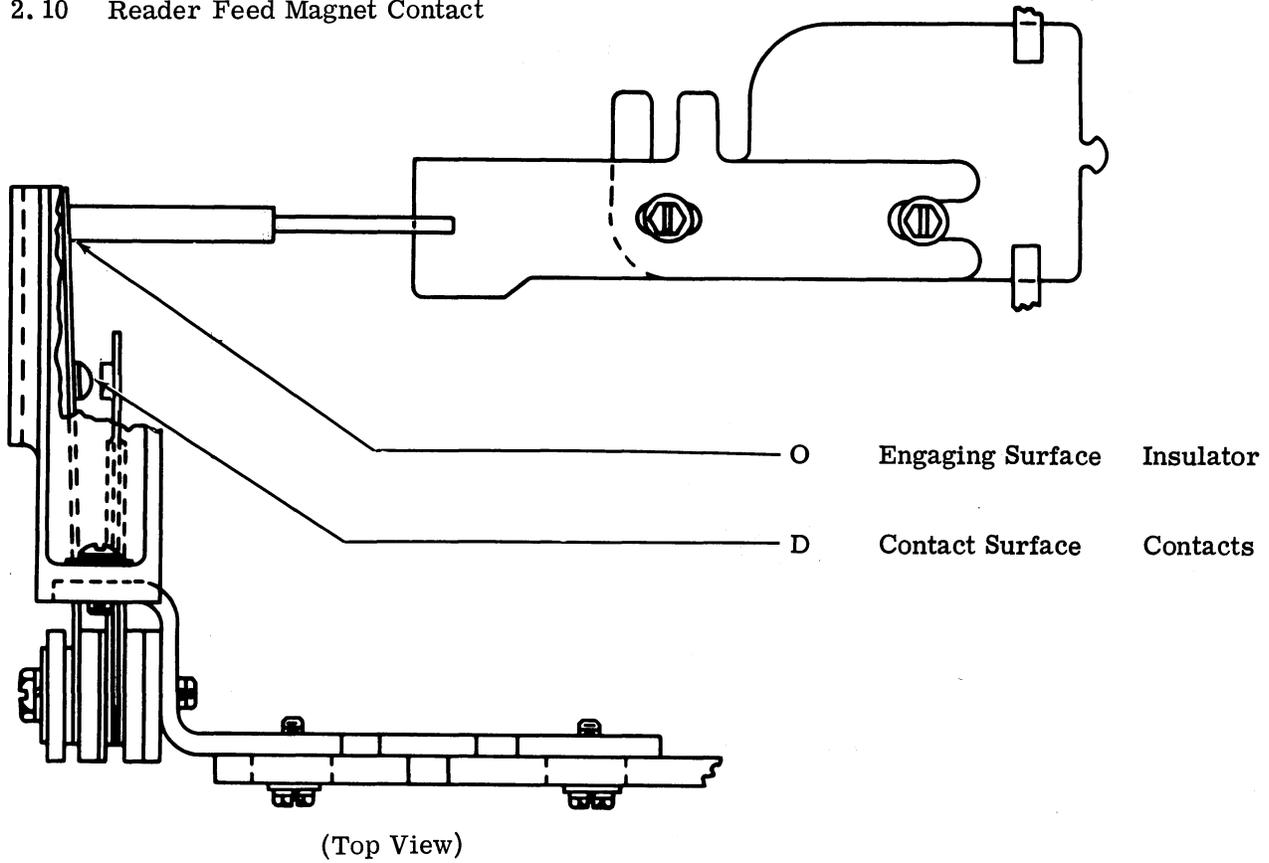


2.09 Clutch Trip Area

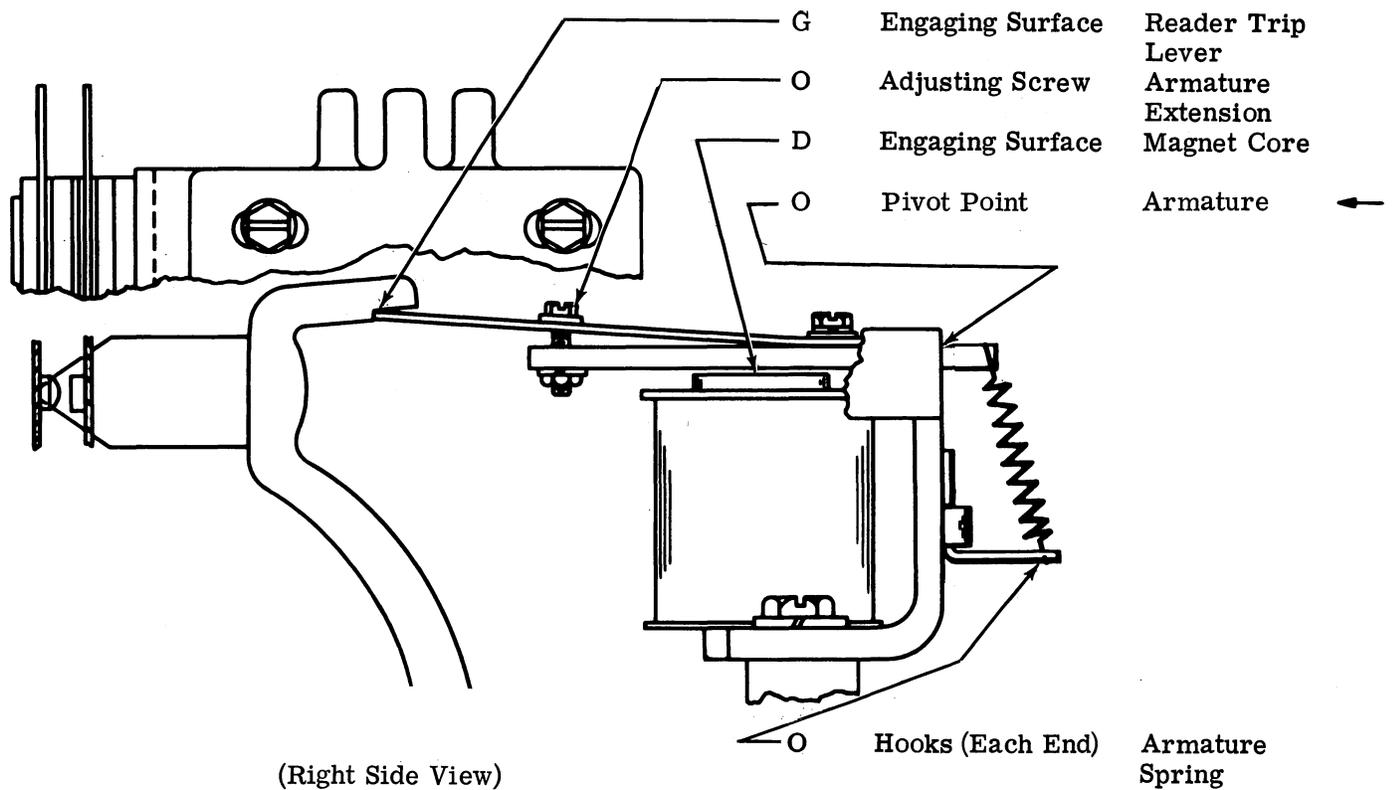


(Left Side View)

2.10 Reader Feed Magnet Contact

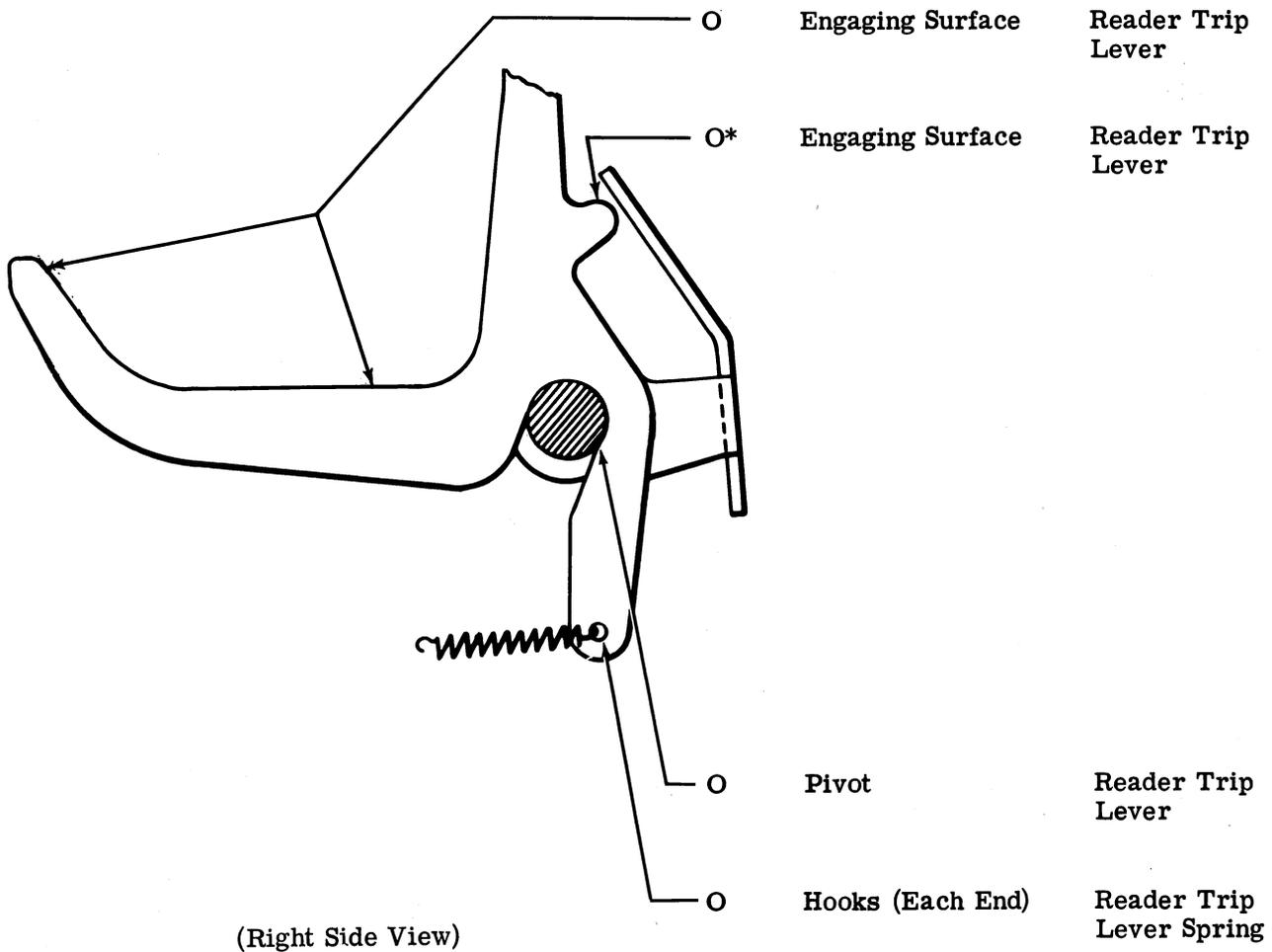


2.11 Distributor Clutch Trip Magnet



2.12 Reader Trip Lever

(Remove answer-back drum.)



(Replace answer-back drum.)

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