

32 AND 33 TAPE READER

LUBRICATION

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1. GENERAL

1.01 This section is issued to provide instructions for lubricating the 32 and 33 tape reader and to present the lubricating instructions as a separate section.

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. Use the following lubricants:

Oil KS7470
Grease KS7471
Grease 108805

1.04 Lubricate the tape reader 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 tape reader at regular intervals as indicated below:

<u>Operating Speed</u> (Words per Minute)	<u>Lubrication</u> <u>Interval</u>
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) are given below:

<u>Symbol</u>	<u>Meaning</u>
D	Keep dry - no lubricant permitted
G	Apply thin coat of KS7471 Grease
GOL	Brush on well a mixture of 50% KS7471 Grease and 50% KS7470 Oil
L	Apply a thin coat of 108805 Grease
OL	Oil liberally (3 or more drops)
OS	Oil sparingly (1 or 2 drops only)
OSD	Oil sparingly or leave dry**
OSL	Oil sparingly or liberally

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

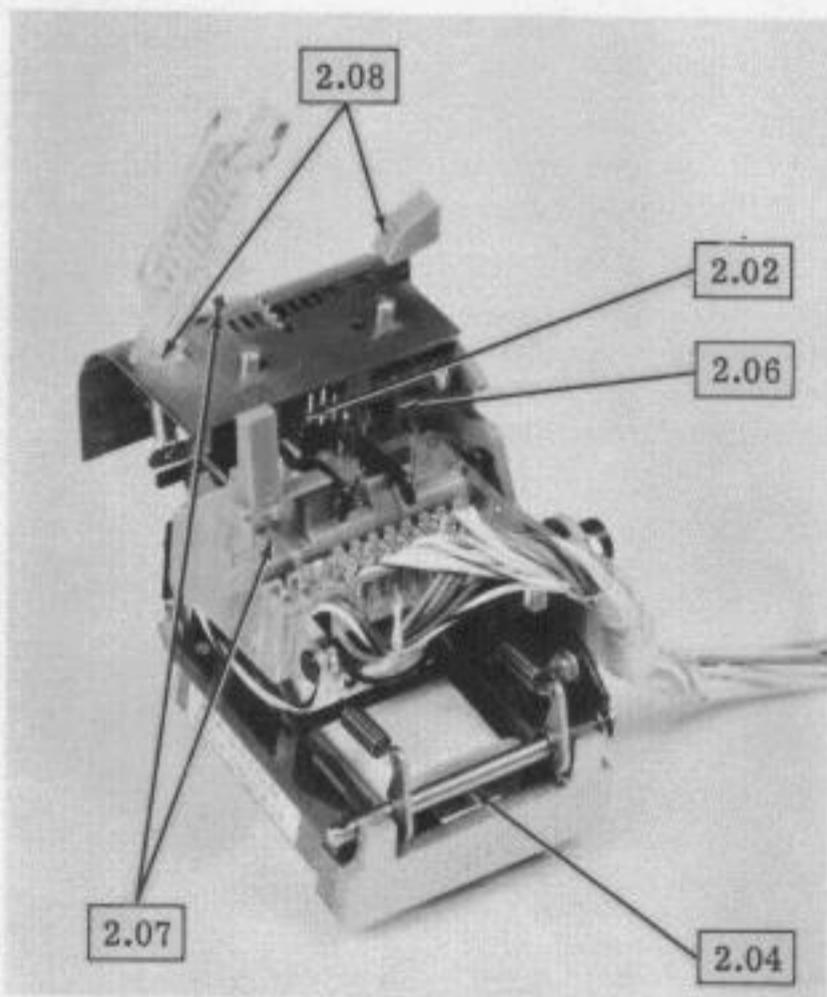
1.06 References to "left," "right," "front," or "rear," etc consider the tape reader to be viewed from a position where the feed wheel faces up and the lid latch is to the viewer's right. Orientation references in the clutch trip area consider the armature extension to be facing up with the contact bracket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

CAUTION: DO NOT USE ALCOHOL, MINERAL SPIRITS, OR OTHER SOLVENTS TO

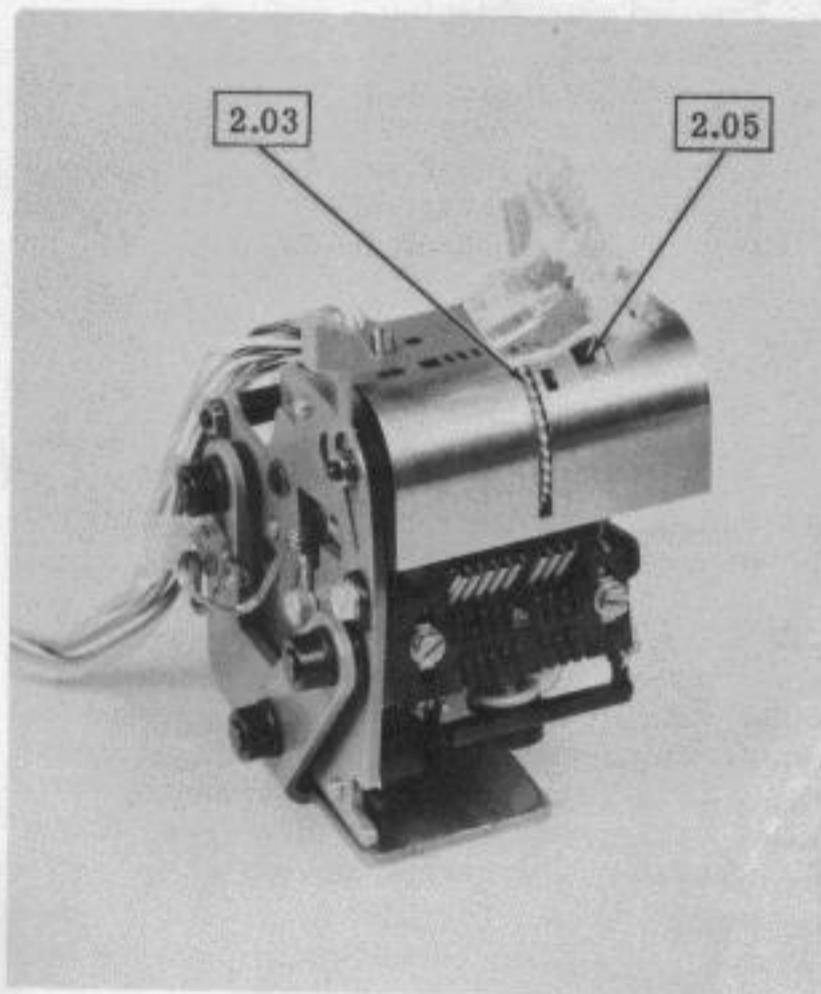
CLEAN PLASTIC PARTS OR PARTS WITH PROTECTIVE-DECORATIVE FINISHES. NORMALLY, A SOFT, DRY CLOTH SHOULD BE USED TO REMOVE DUST, OIL, GREASE OR OTHERWISE CLEAN PARTS OR SUBASSEMBLIES. IF NECESSARY, A SOFT CLOTH DAMPENED WITH SOAP OR MILD DETERGENT MAY BE USED. AFTERWARDS, RINSE EACH CLEANED PART OR SUBASSEMBLY WITH A SOFT, DAMP CLOTH AND BUFF WITH A SOFT, DRY CLOTH.

2. BASIC UNIT

2.01 Tape Reader

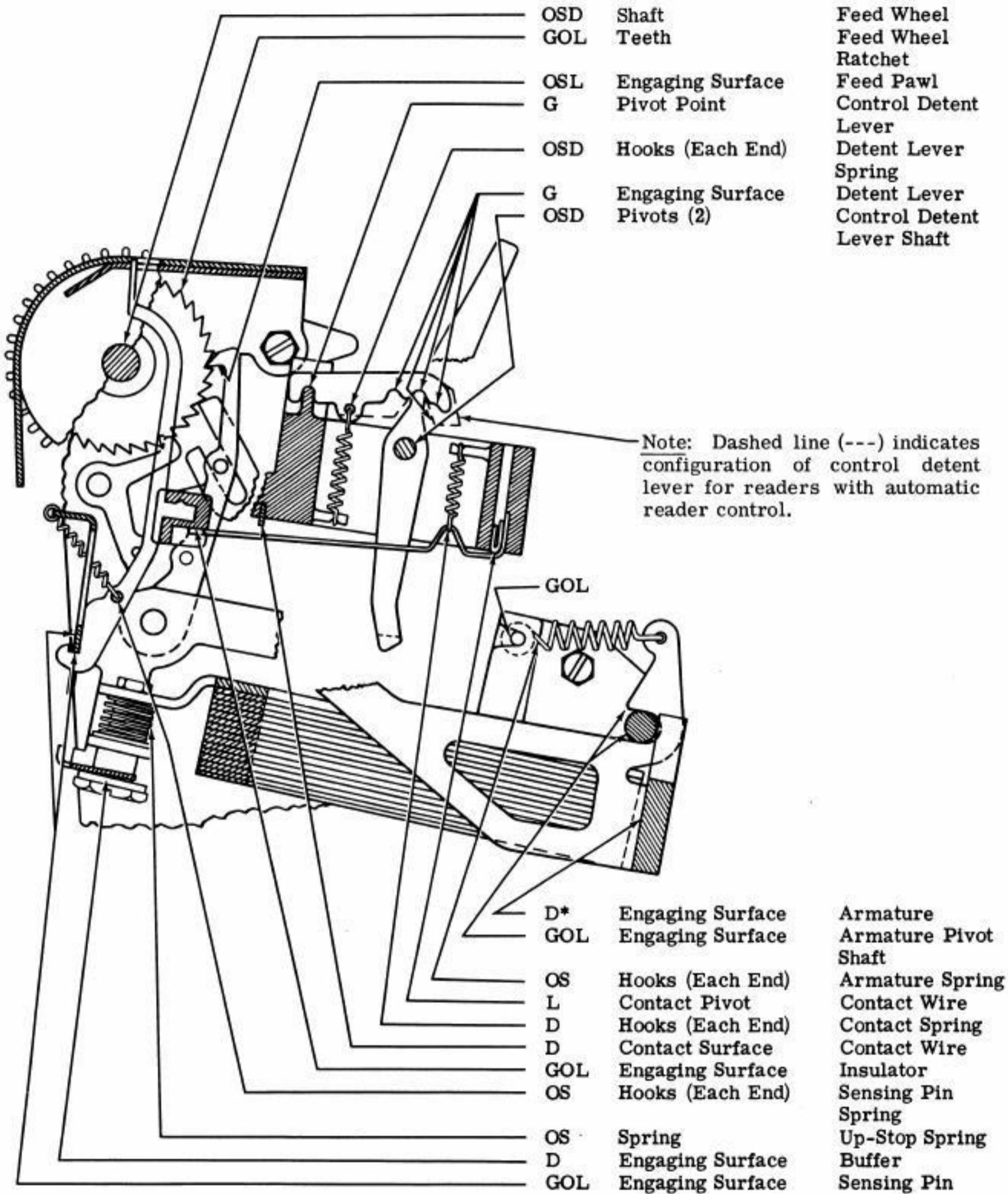


(LEFT FRONT VIEW)



(RIGHT REAR VIEW)

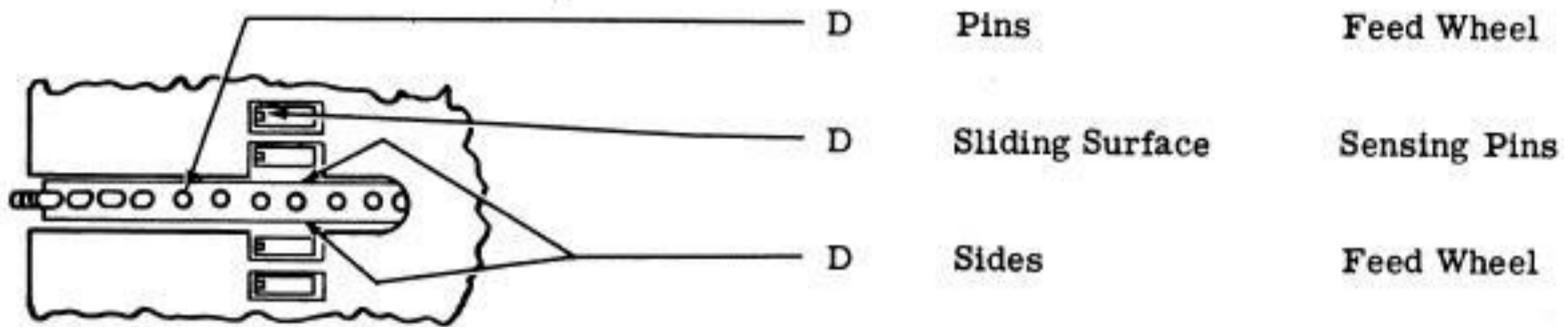
2.02 Tape Reader Mechanism



(LEFT SIDE VIEW)

*Some oil leakage on this surface is permissible.

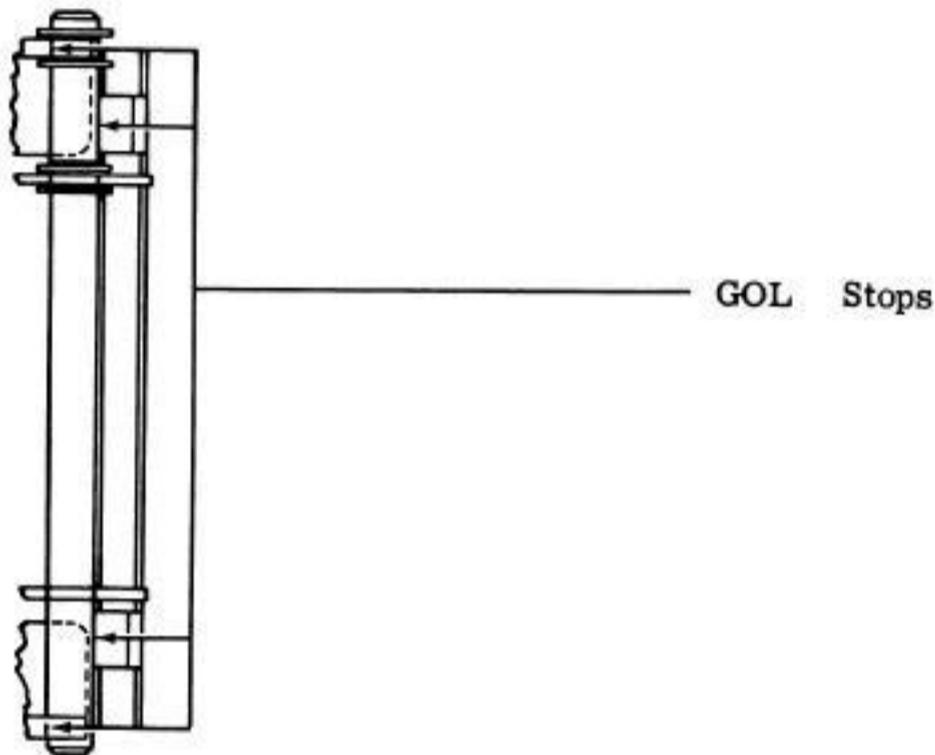
2.03 Feed Wheel



- D Pins Feed Wheel
- D Sliding Surface Sensing Pins
- D Sides Feed Wheel

(TOP VIEW)

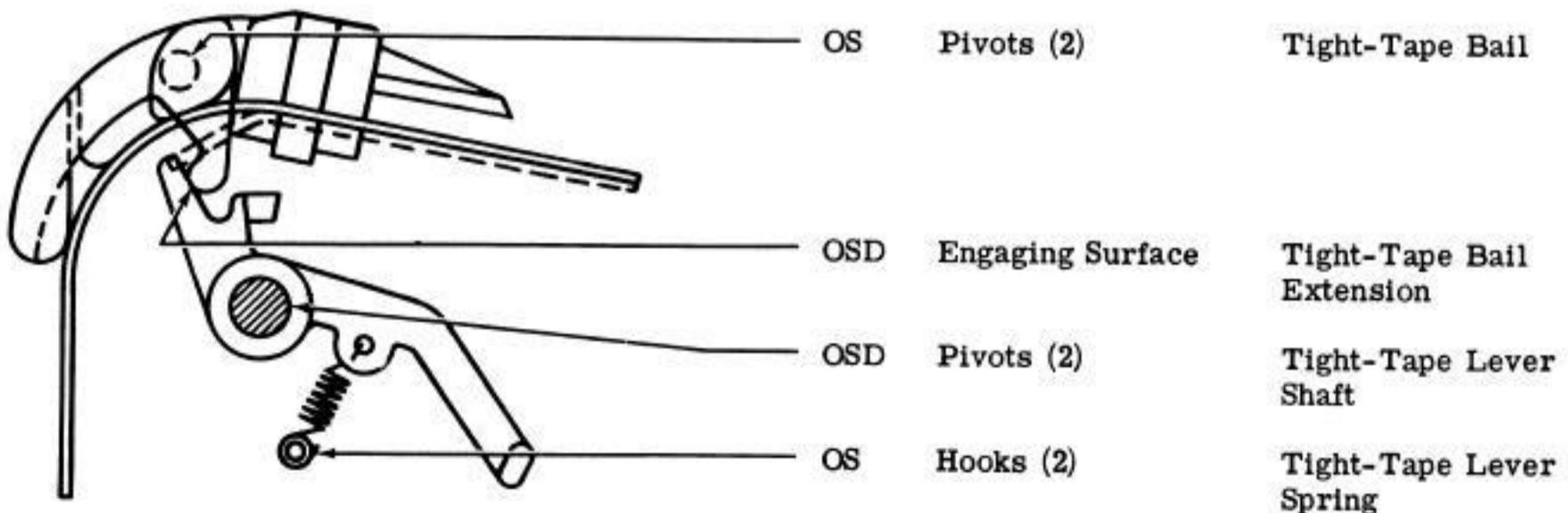
2.04 Armature Shaft



- GOL Stops Armature

(TOP VIEW)

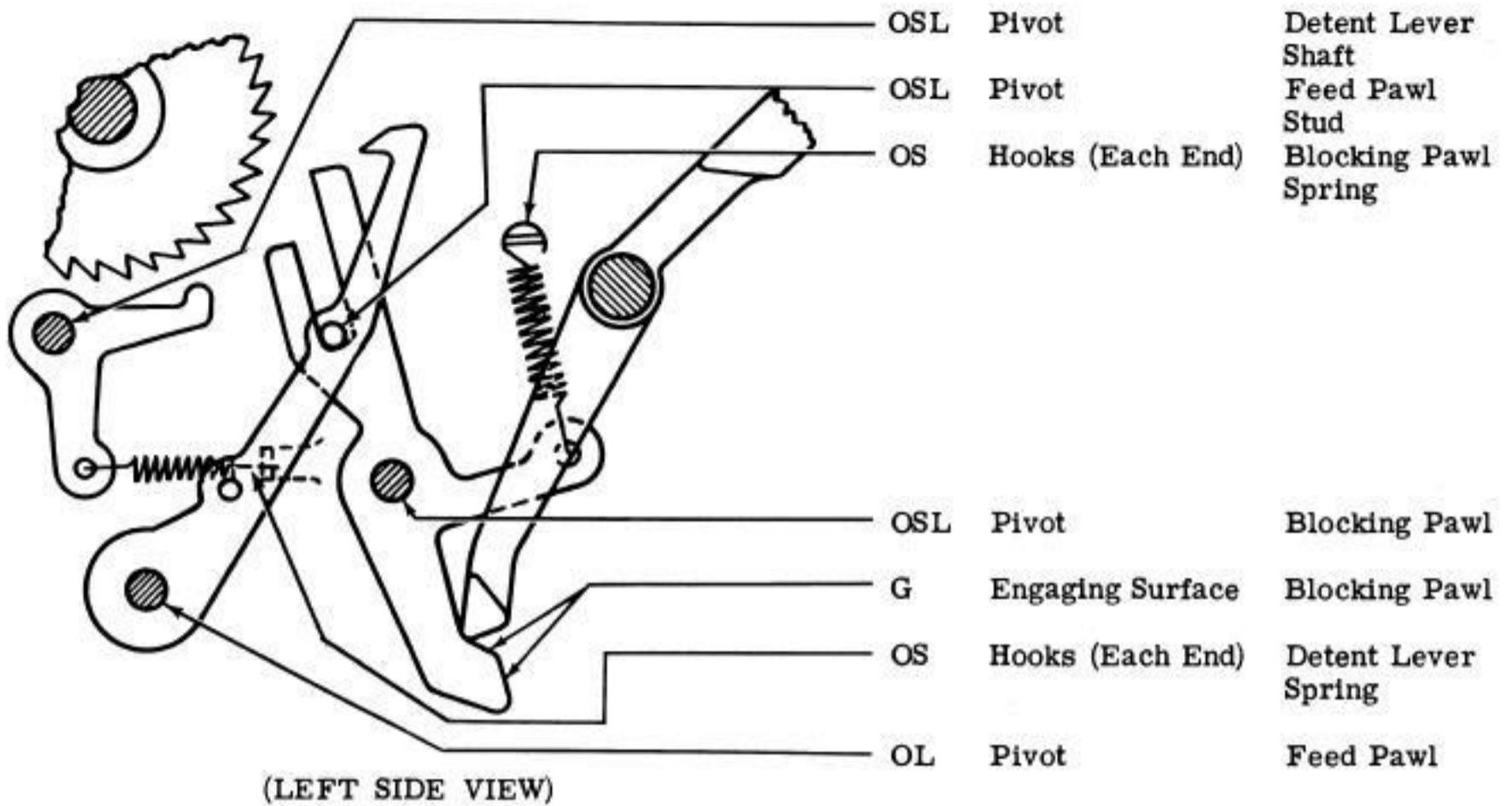
2.05 Tight-Tape Mechanism



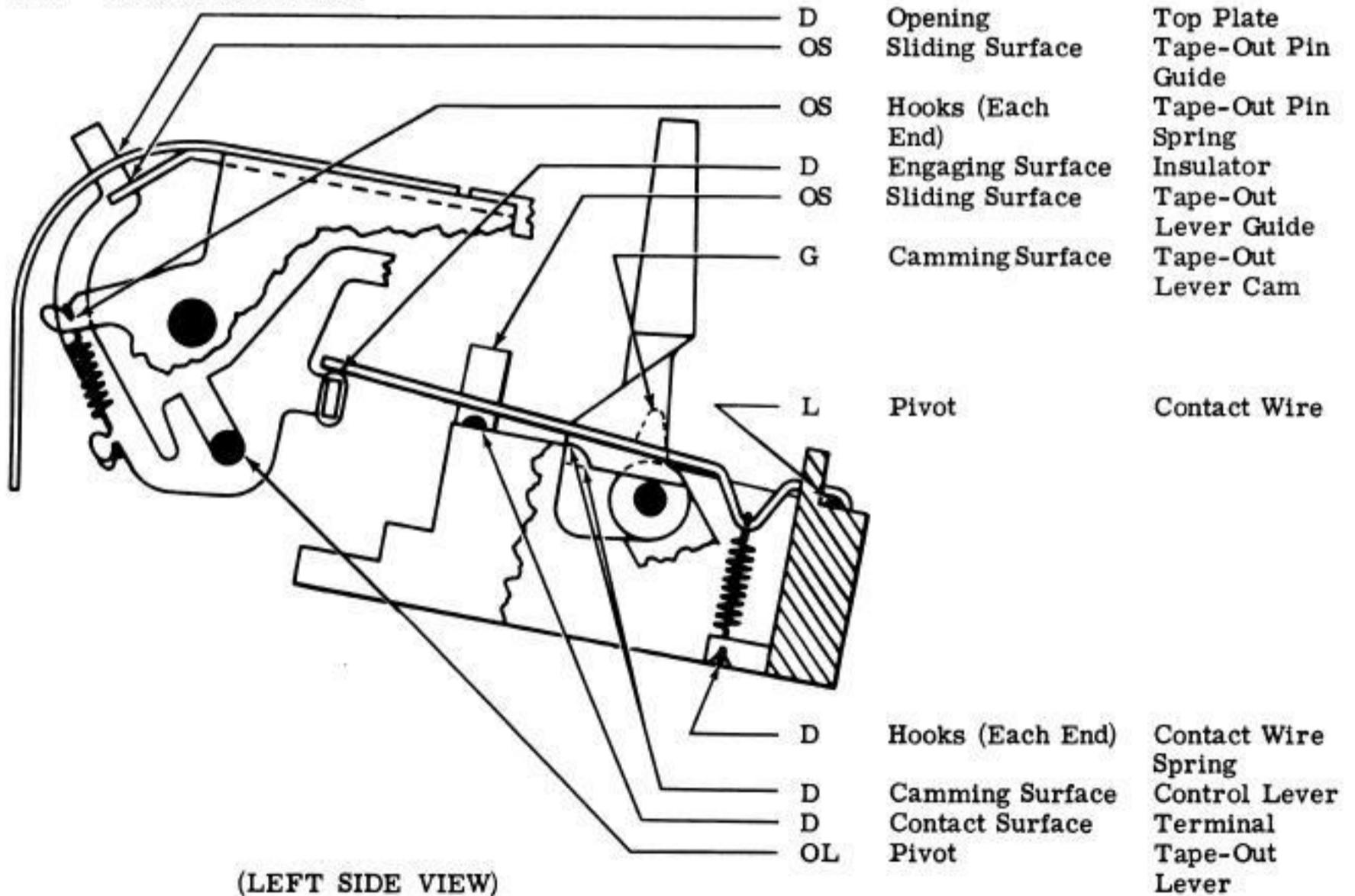
- OS Pivots (2) Tight-Tape Bail
- OSD Engaging Surface Tight-Tape Bail Extension
- OSD Pivots (2) Tight-Tape Lever Shaft
- OS Hooks (2) Tight-Tape Lever Spring

(LEFT SIDE VIEW)

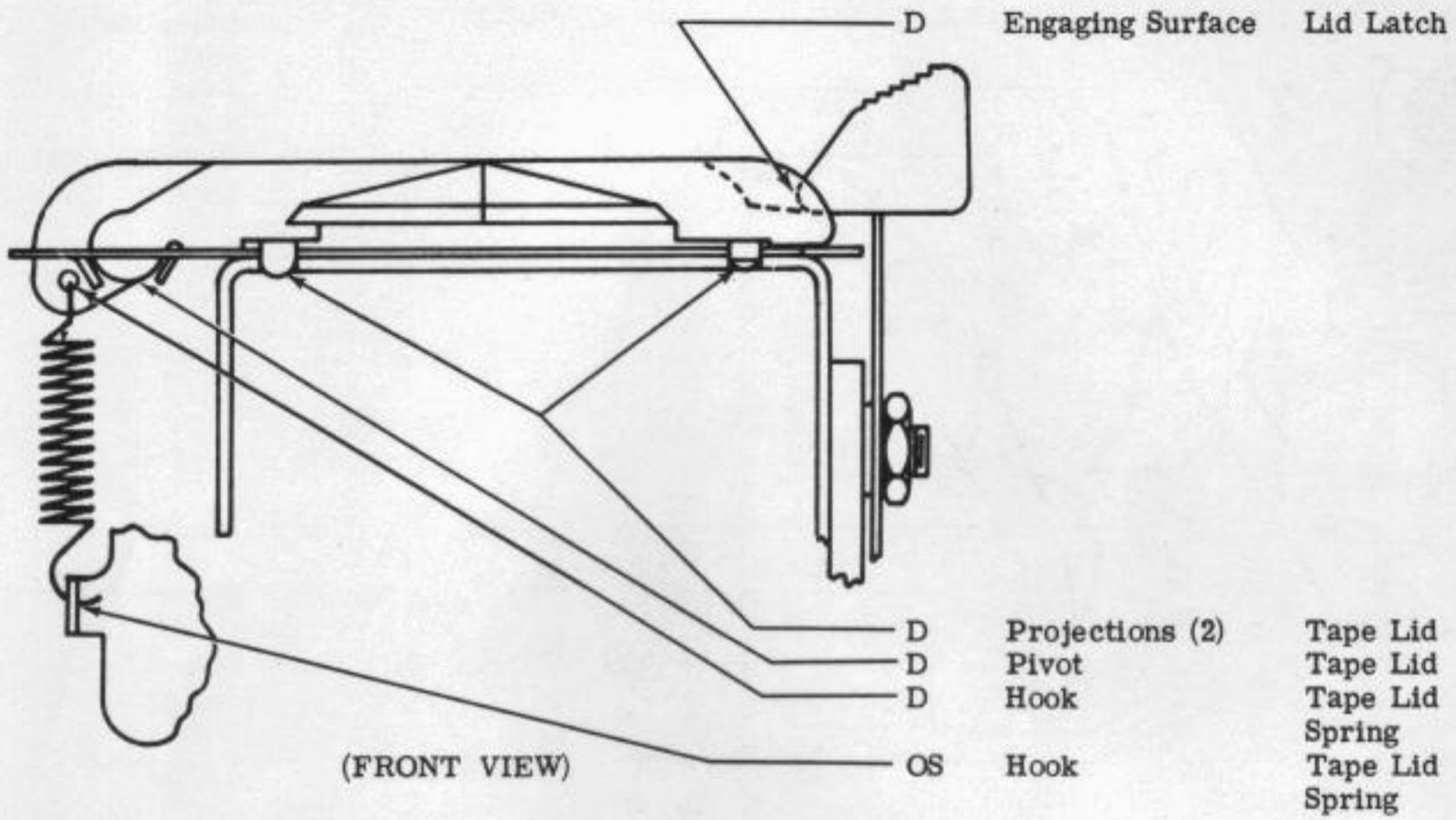
2.06 Feed Pawl Mechanism



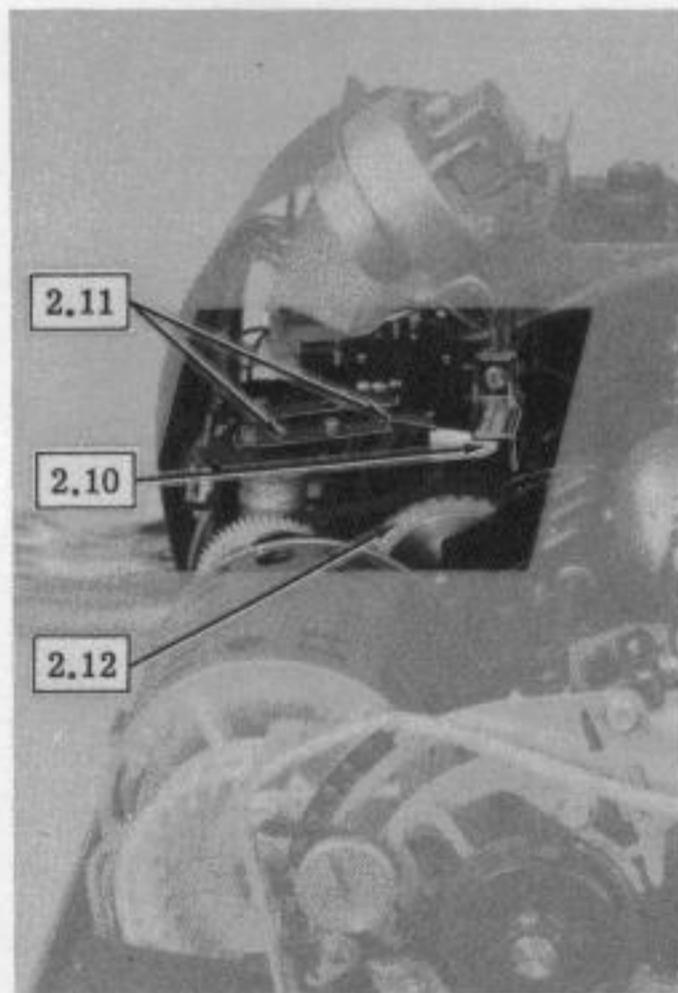
2.07 Control Mechanism



2.08 Tape Lid Mechanism

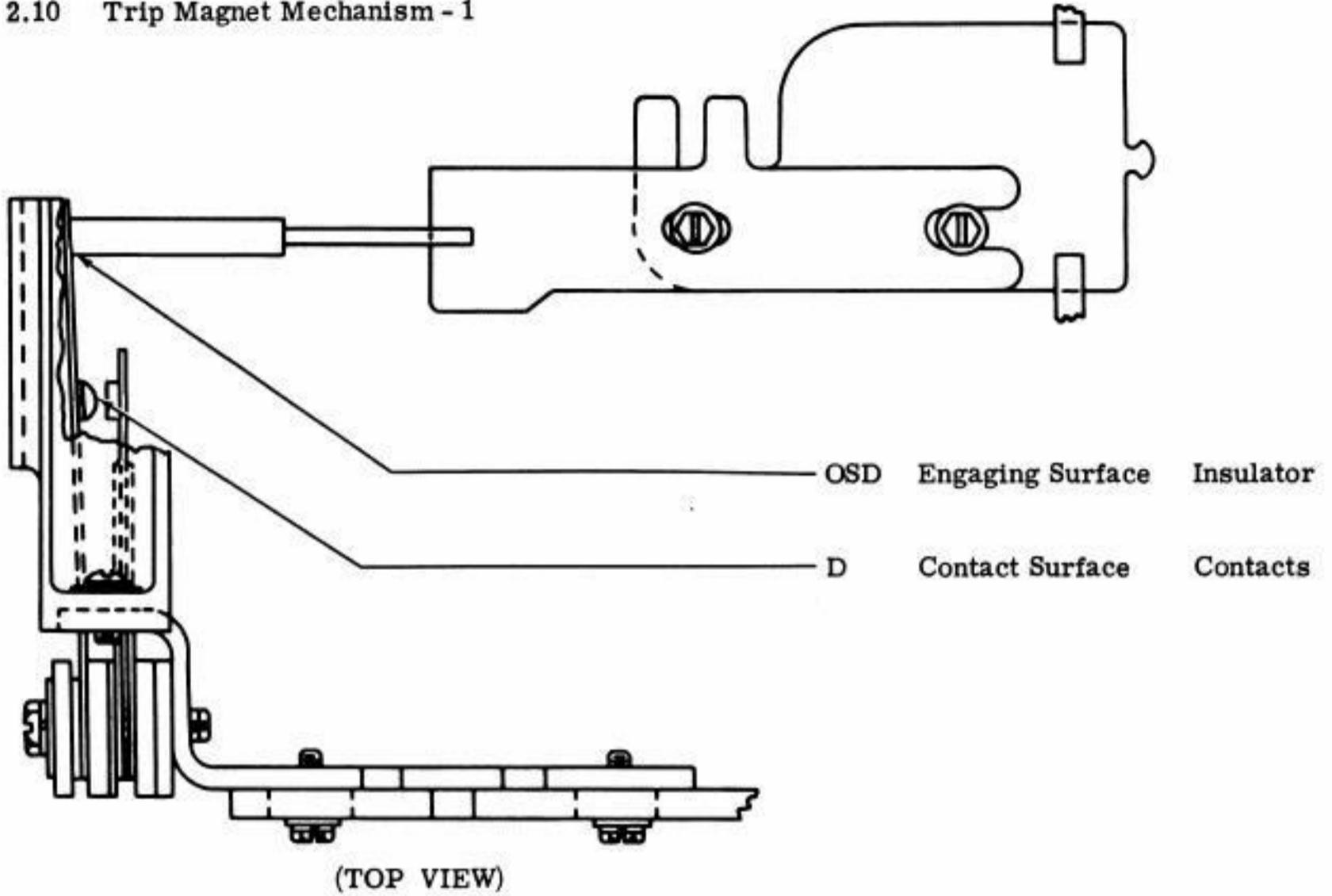


2.09 Clutch Trip Area

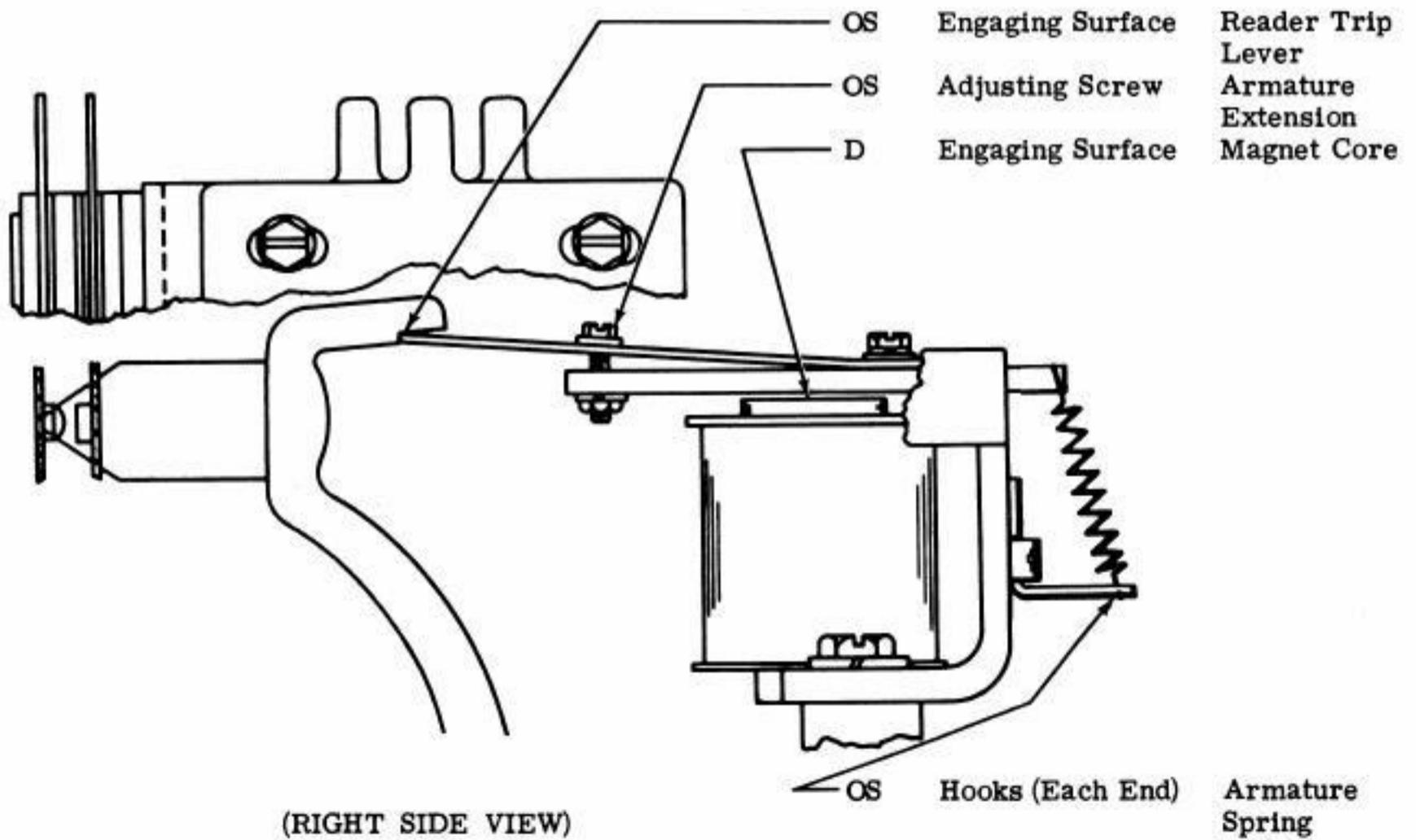


(LEFT SIDE VIEW)

2.10 Trip Magnet Mechanism - 1



2.11 Trip Magnet Mechanism - 2



2.12 Trip Magnet Mechanism - 3

