

33 TAPE PUNCH

LUBRICATION

CONTENTS	PAGE
1. GENERAL	1
2. BASIC UNIT	2
Backspace lever	8
Codebar levers	5
Control mechanism	5
Detent lever	8
Drive link mechanism area	2
Drive link mechanism (Early design)	3
Drive link mechanism (Late design)	3
Feed mechanism	7
Feed pawl	7
Pawls and levers	6
Punch block assembly	9
Sensing levers	6
Stripper bail	6
Support link (Late design)	3
Tape guide assembly	8
Tape guide roller	9
Tape punch	4
3. VARIATIONS TO THE BASIC UNIT	10
Automatic on-off bail drive lever	11
Automatic on-off control bail	11
Automatic on-off control levers	12
Automatic on-off control mechanisms	13
Automatic tape punch	10
LOCK "ON" mechanism	14
Punch interlock mechanism	14
Sense suppression mechanism	15

1. GENERAL

1.01 This section provides lubrication requirements for the 33 tape punch. It is reissued to incorporate engineering changes, rearrange the text, and add coverage of automatic punch features. Since this is a general revision, marginal arrows, ordinarily used to indicate changes and addition, are omitted.

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 punch, but avoid overlubrication that might permit the lubricant to drip or be thrown onto adjacent parts. Saturate all felt washers and oilers with oil.

1.04 Lubricate the tape punch 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 punch 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 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.
O	Oil (KS7470).

1.06 References to left, right, front, or rear, etc consider the tape punch to be viewed from a position where the tape guide assembly faces up and the backspace lever is to the viewer's left. Orientation references in the drive link mechanism area consider the drive link to be up and located to the viewer's left.

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,

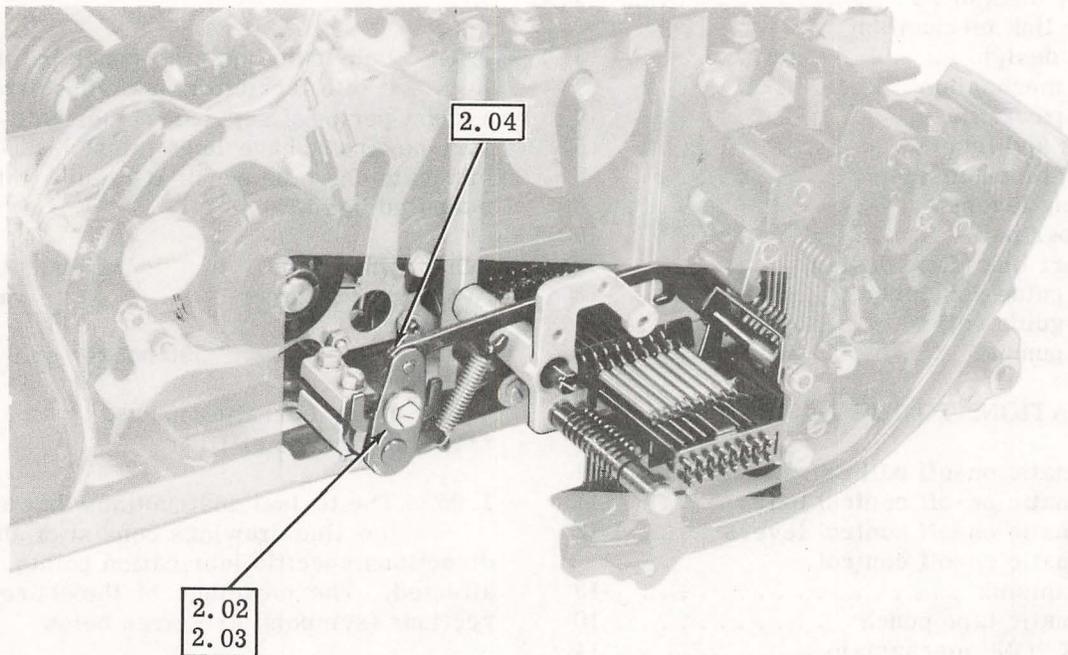
RINSE EACH CLEANED PART OF SUBASSEMBLY WITH A SOFT, DAMP CLOTH AND BUFF WITH A SOFT, DRY CLOTH.

1.07 Tools and materials needed for teletypewriter lubrication are listed in Section 570-005-800TC.

1.08 For disassembly and reassembly information refer to Section 574-125-702TC.

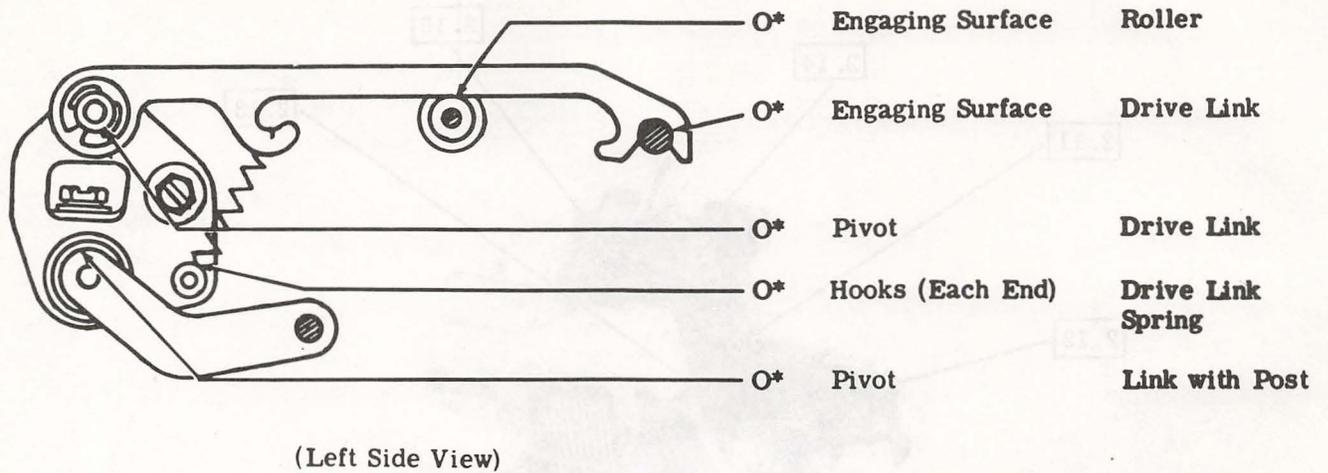
2. BASIC UNIT

2.01 Drive link Mechanism Area

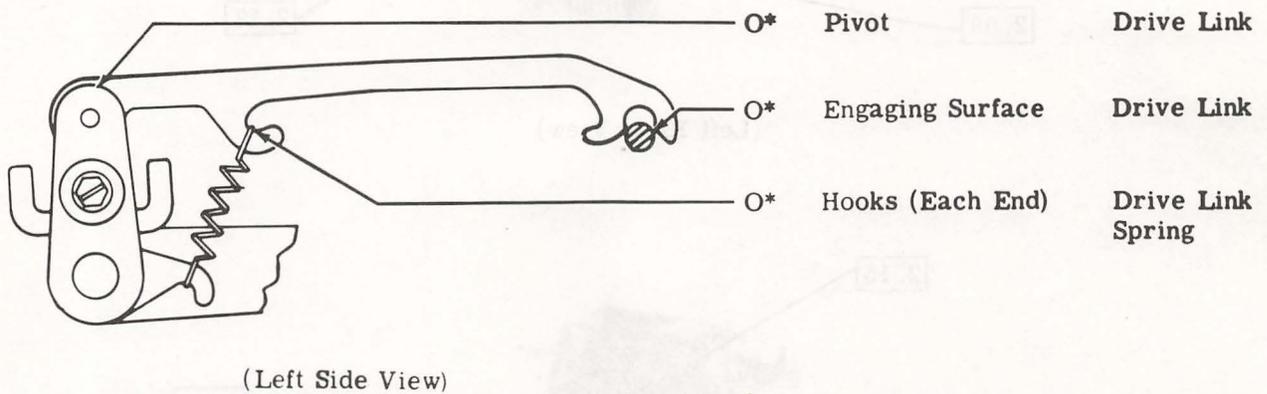


(Left Side View)

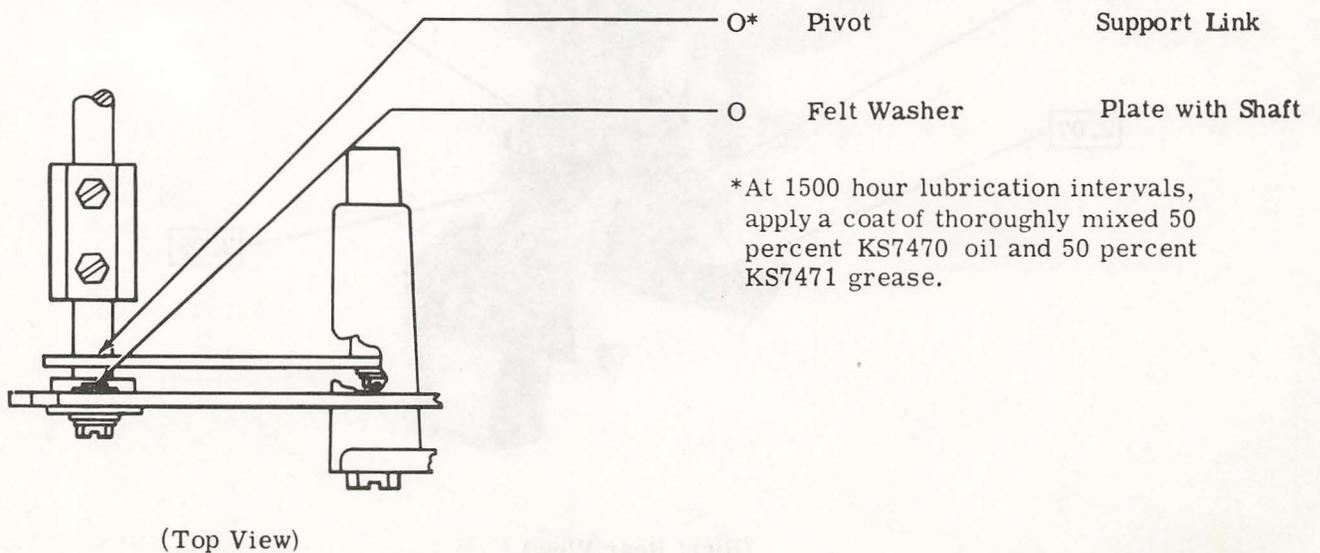
2.02 Drive Link Mechanism (Early Design)



2.03 Drive Link Mechanism (Late Design)

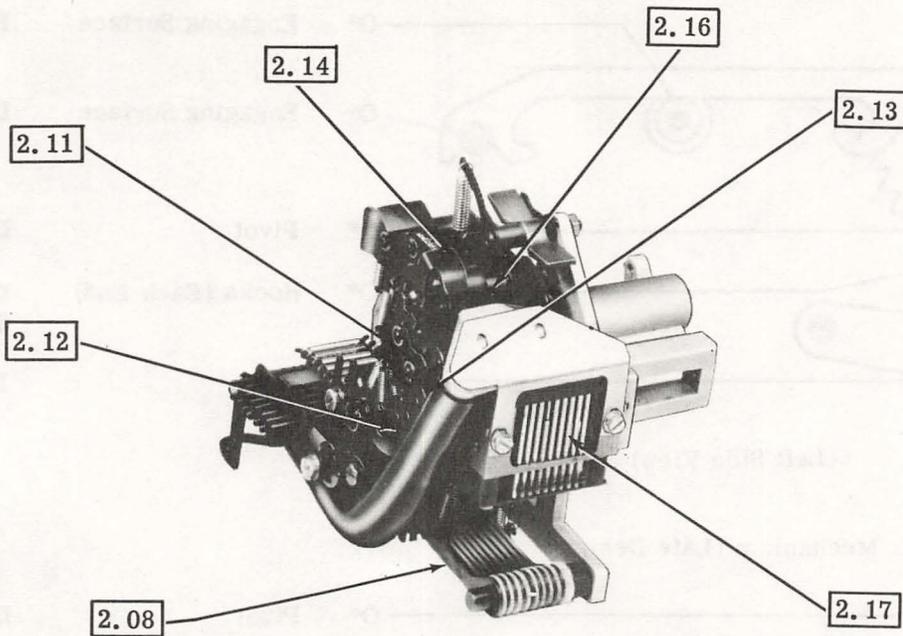


2.04 Support Link (Late Design)

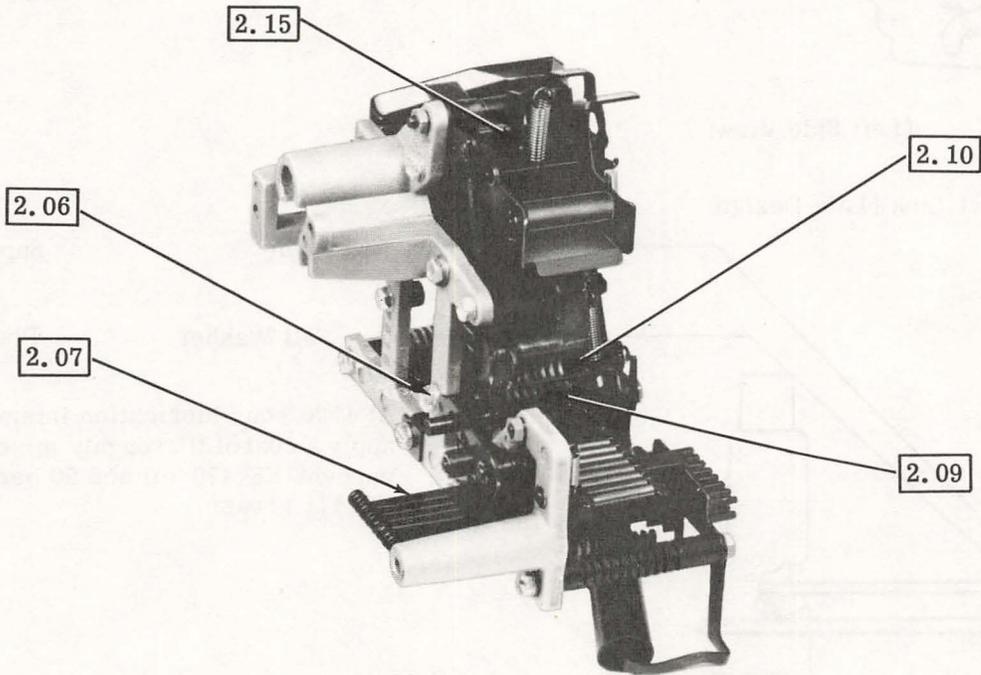


*At 1500 hour lubrication intervals, apply a coat of thoroughly mixed 50 percent KS7470 oil and 50 percent KS7471 grease.

2.05 Tape Punch

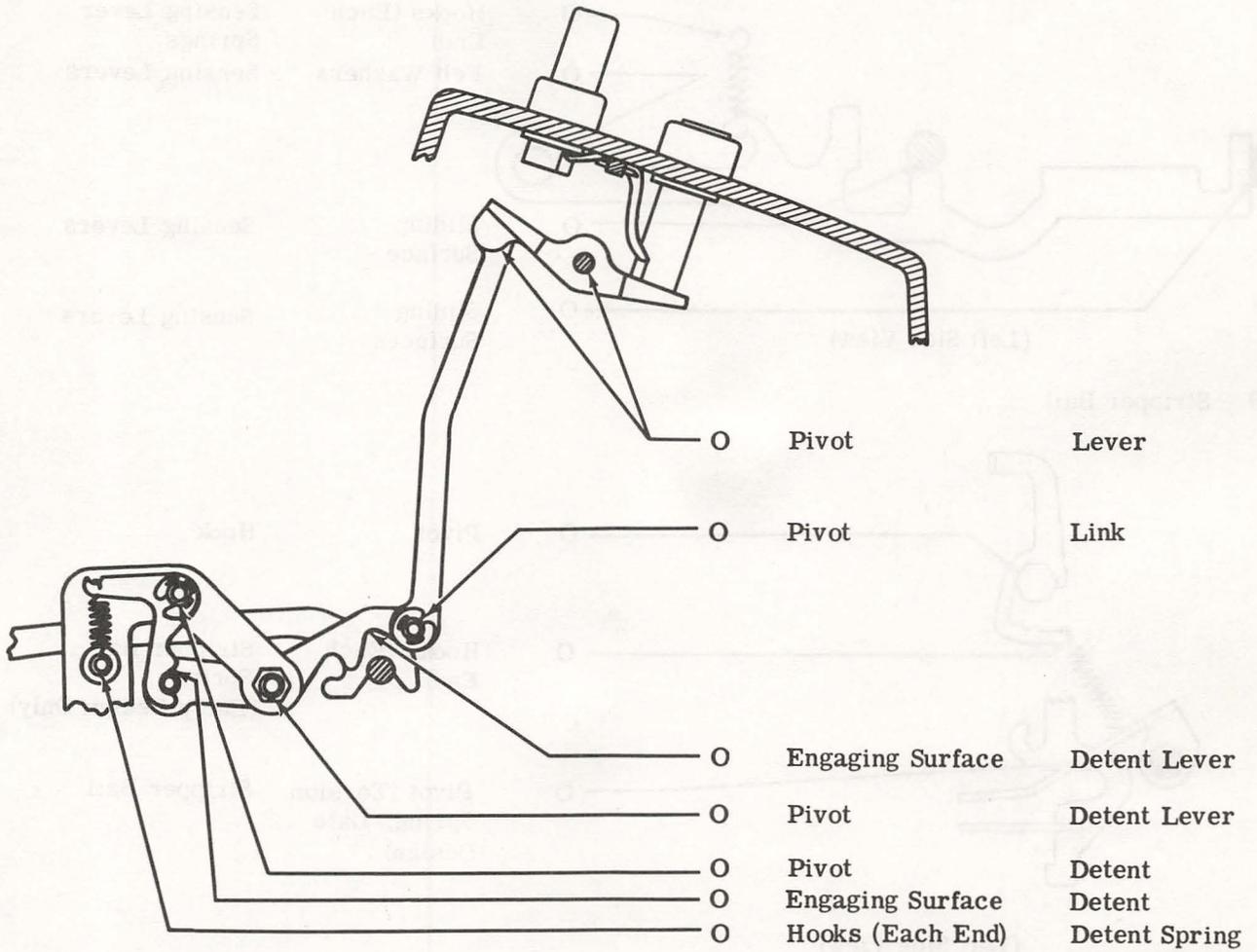


(Left Front View)



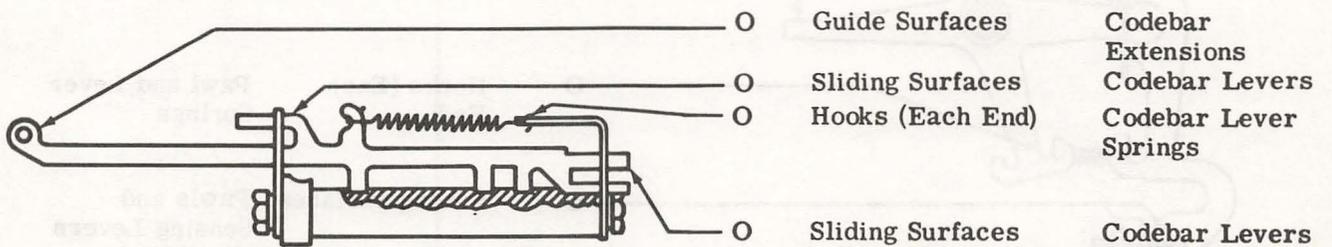
(Right Rear View)

2.06 Control Mechanism



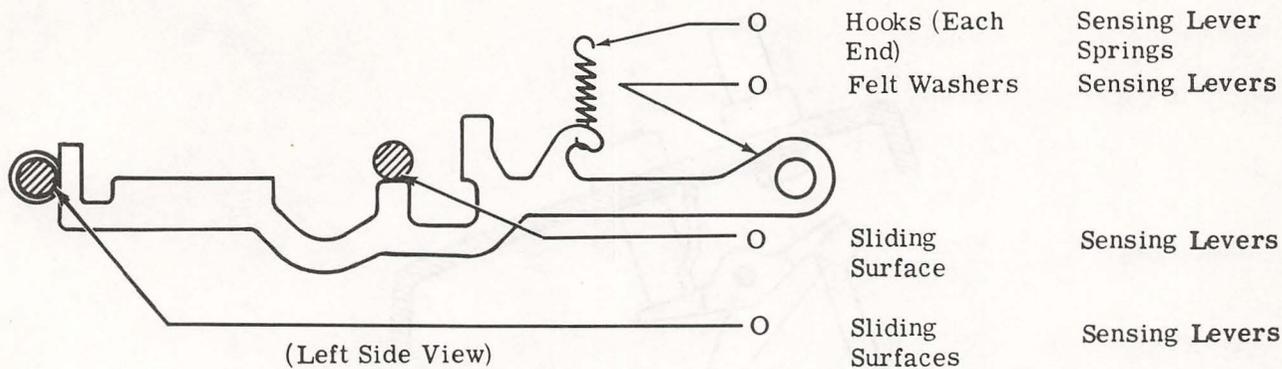
(Left Side View)

2.07 Codebar Levers

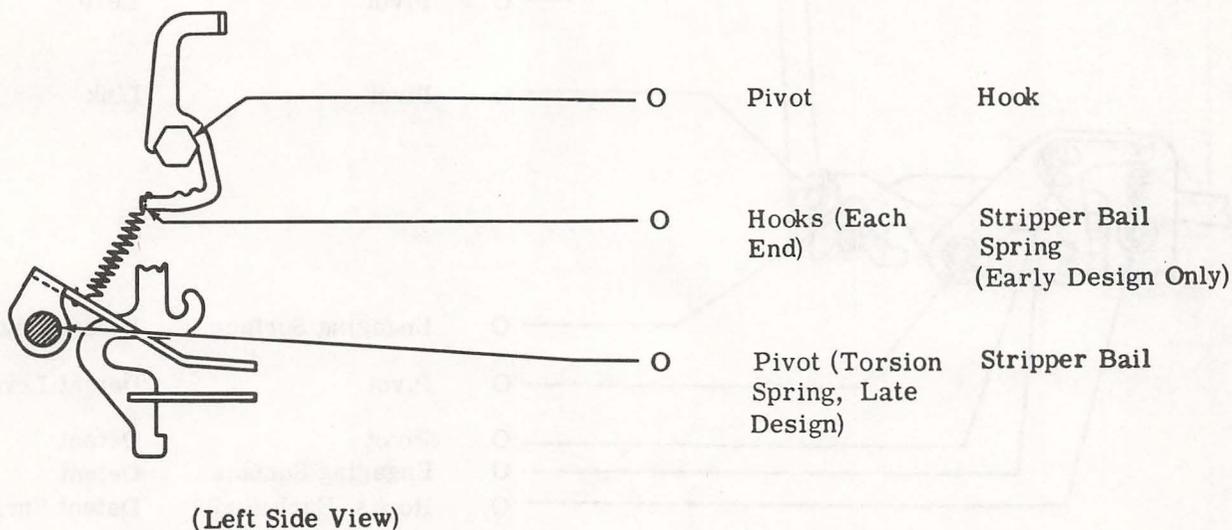


(Rear View)

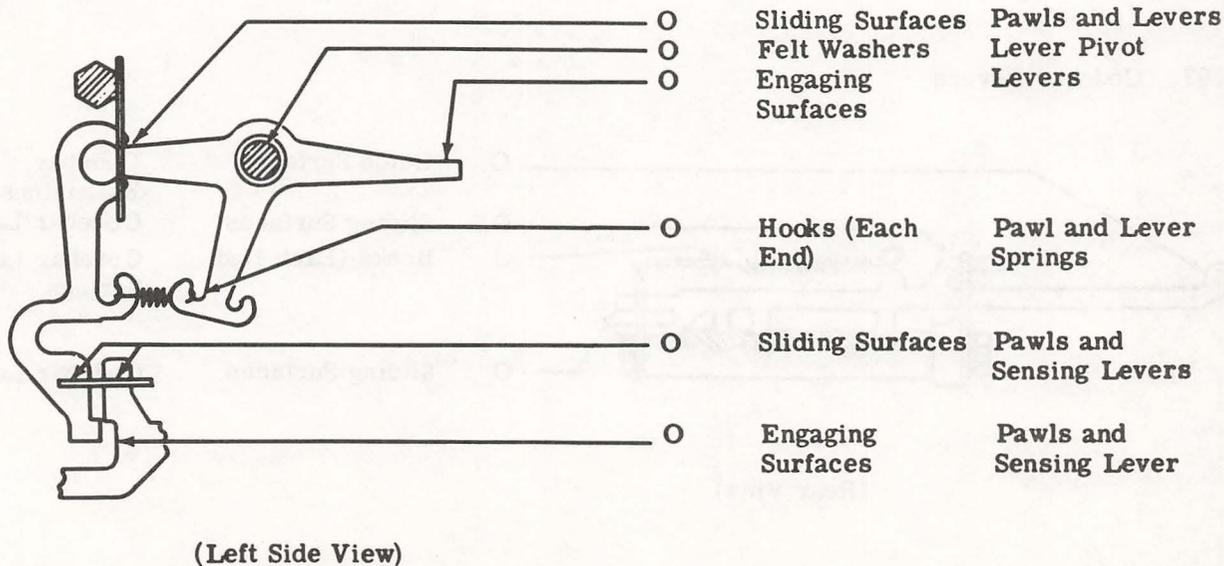
2.08 Sensing Levers



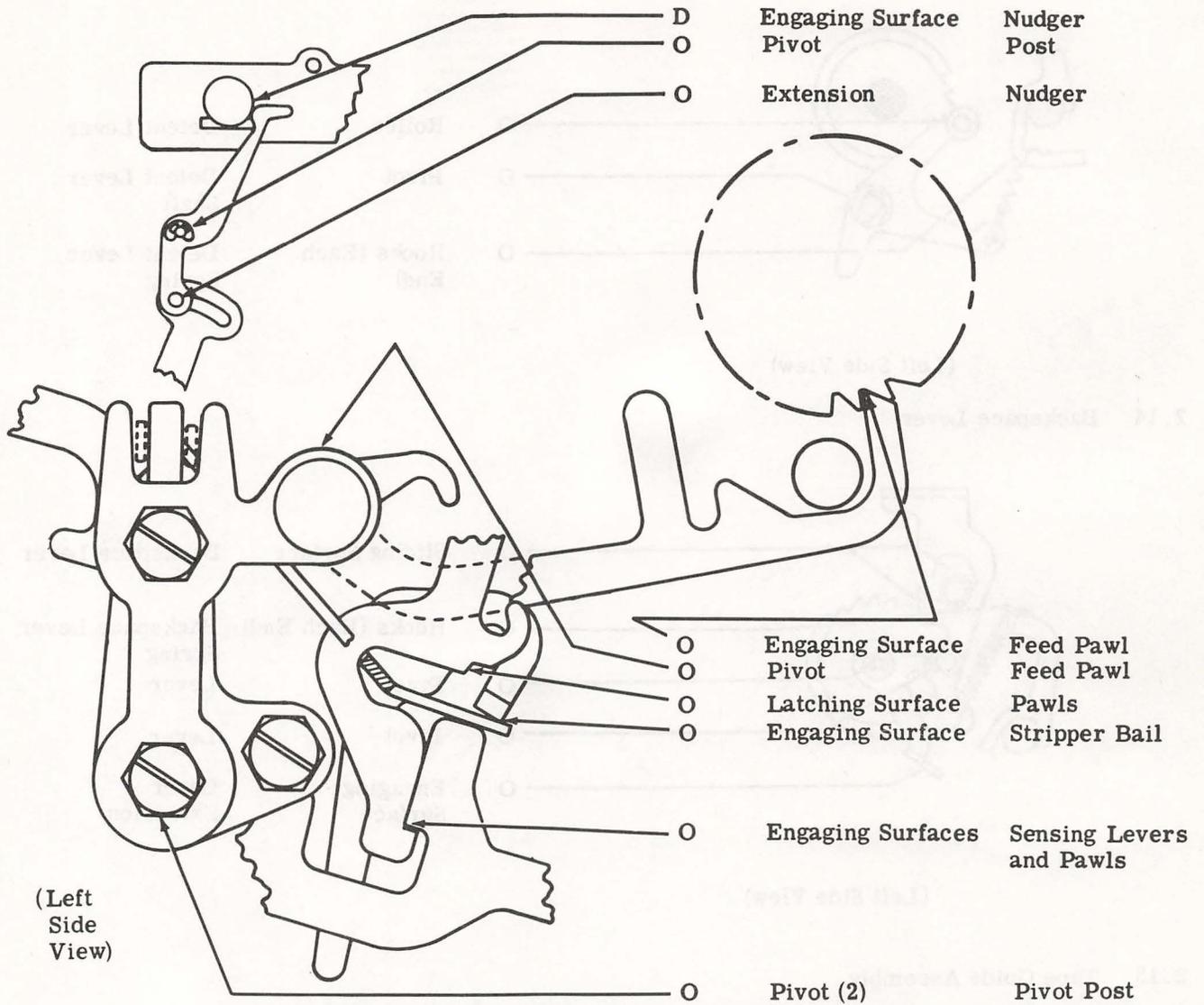
2.09 Stripper Bail



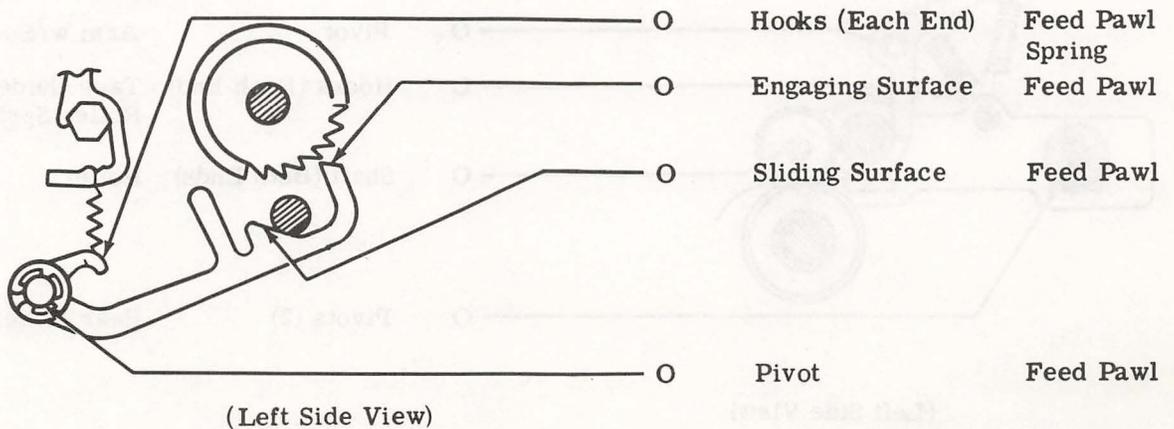
2.10 Pawls and Levers



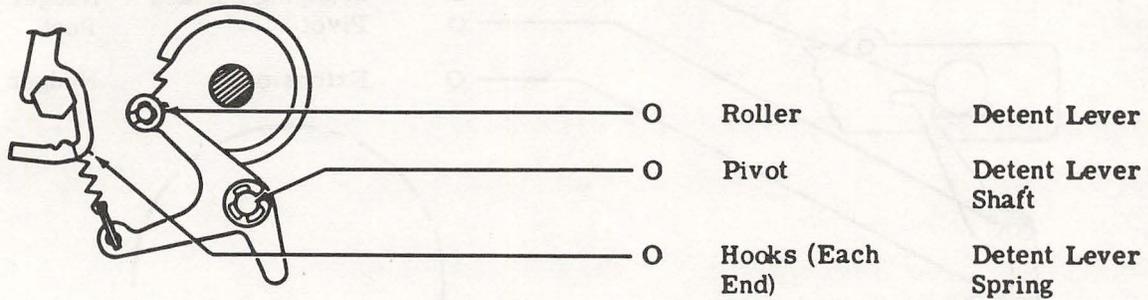
2.11 Feed Mechanism



2.12 Feed Pawl

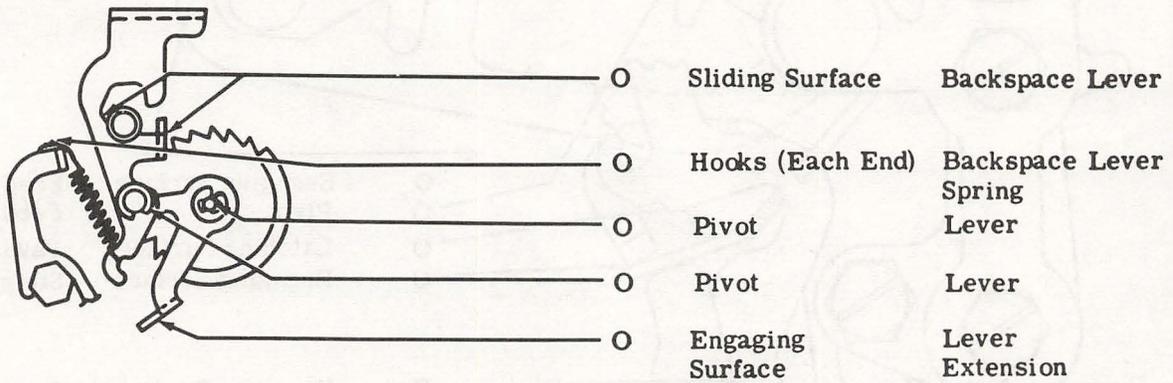


2.13 Detent Lever



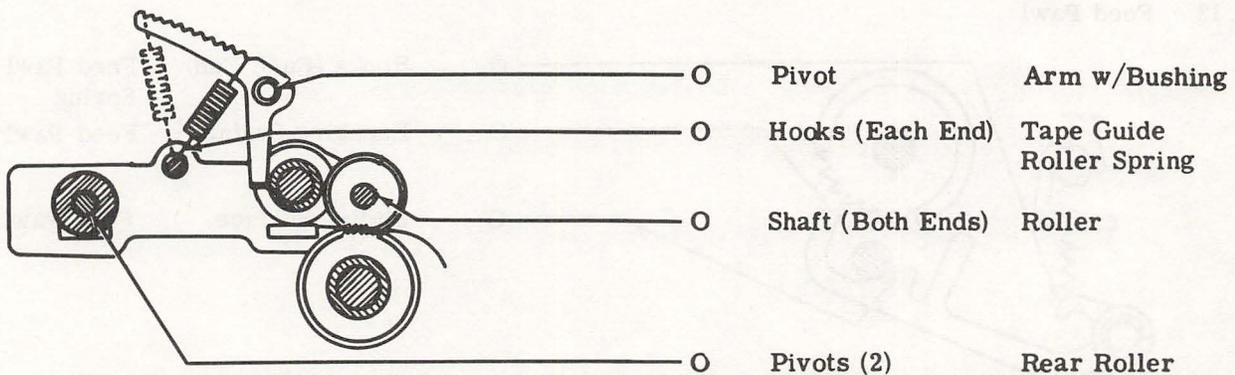
(Left Side View)

2.14 Backspace Lever



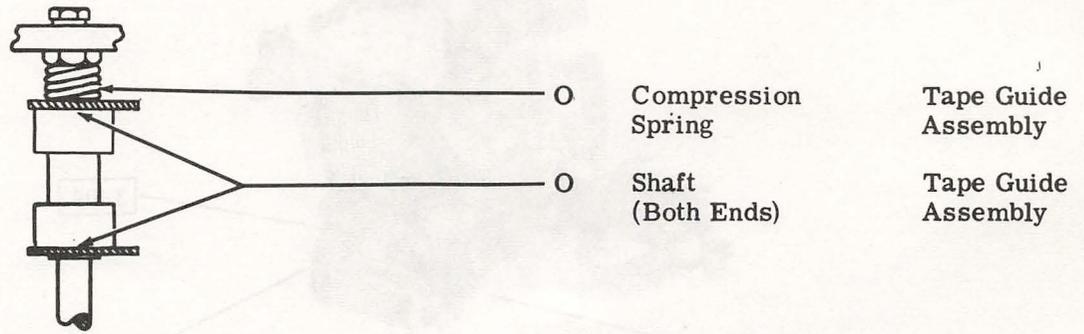
(Left Side View)

2.15 Tape Guide Assembly



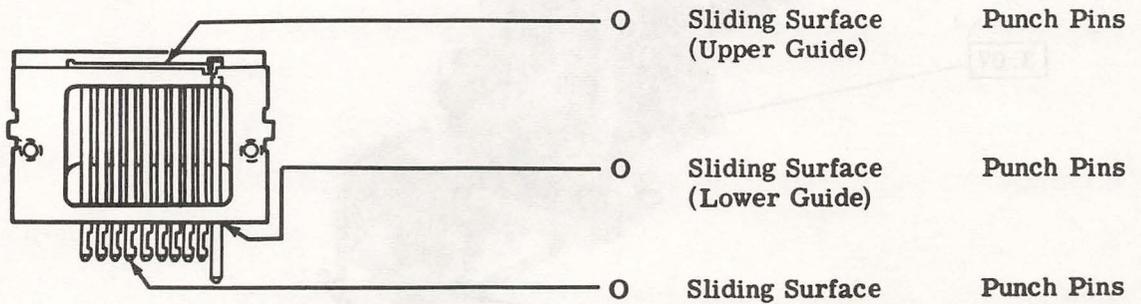
(Left Side View)

2.16 Tape Guide Roller



(Top View)

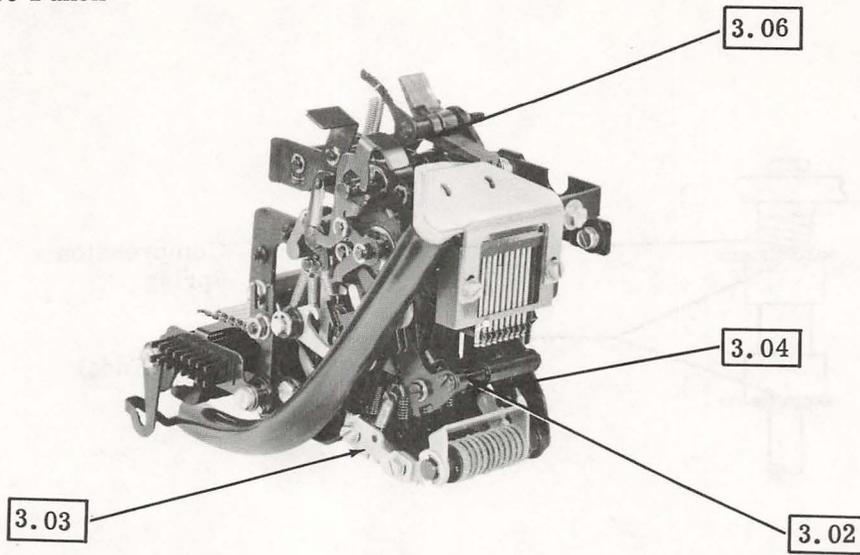
2.17 Punch Block Assembly



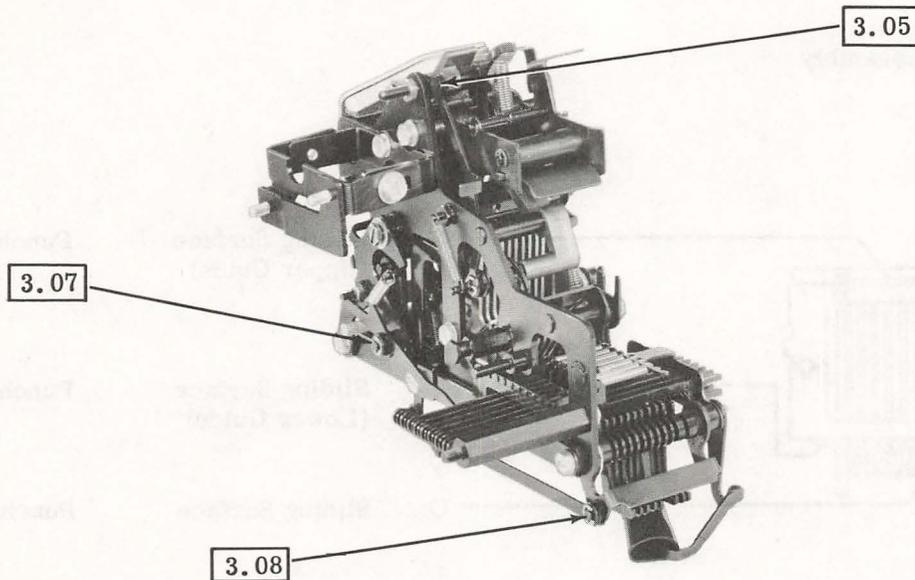
(Front View)

3. VARIATIONS TO THE BASIC UNIT

3.01 Automatic Tape Punch

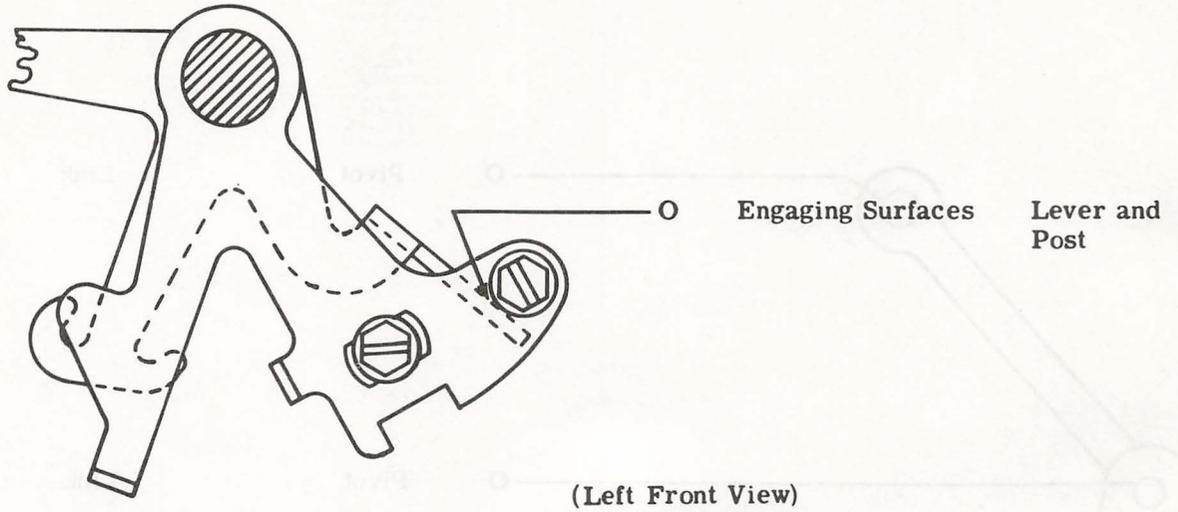


(Left Front View)

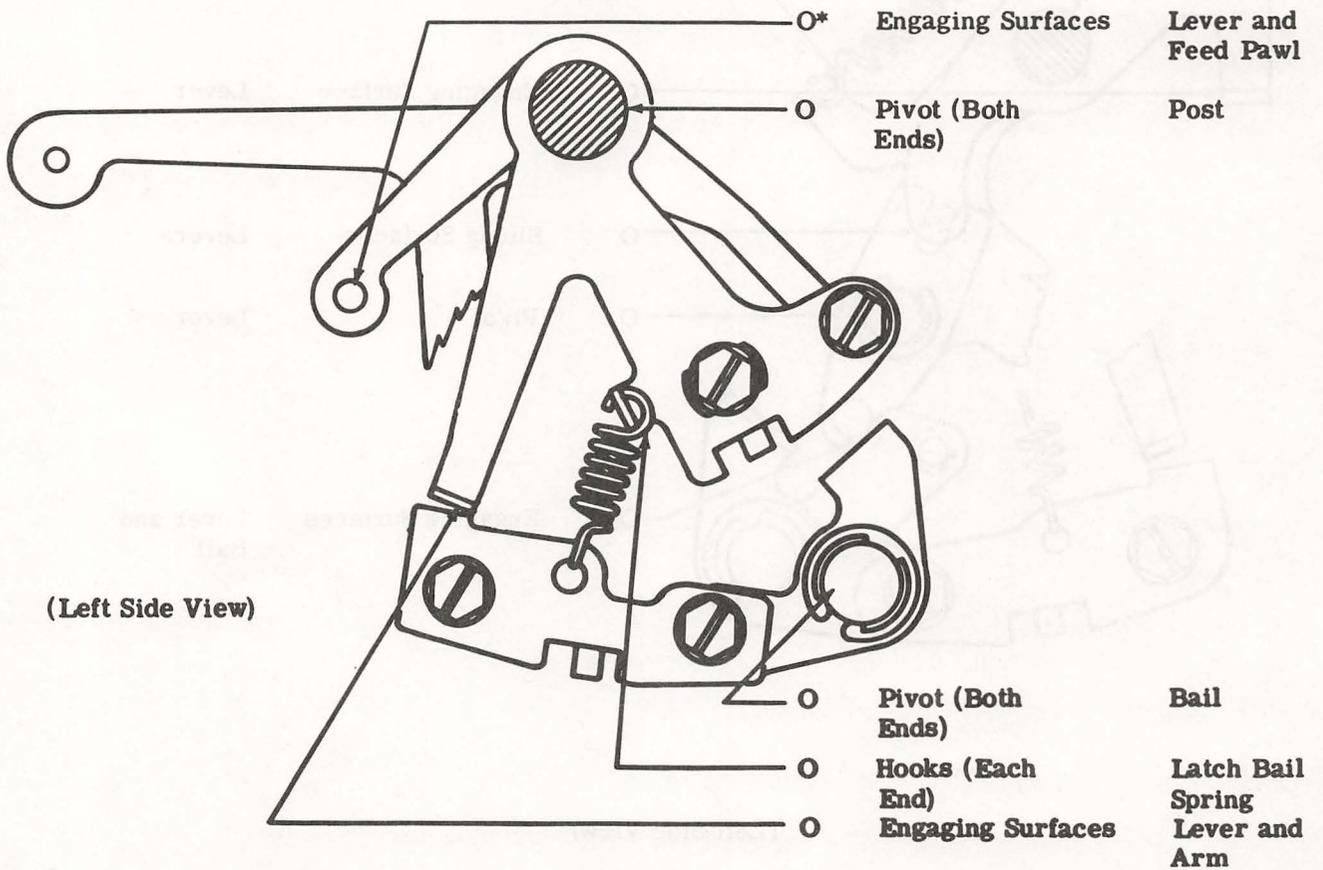


(Right Front View)

3.02 Automatic On-Off Bail Drive Lever

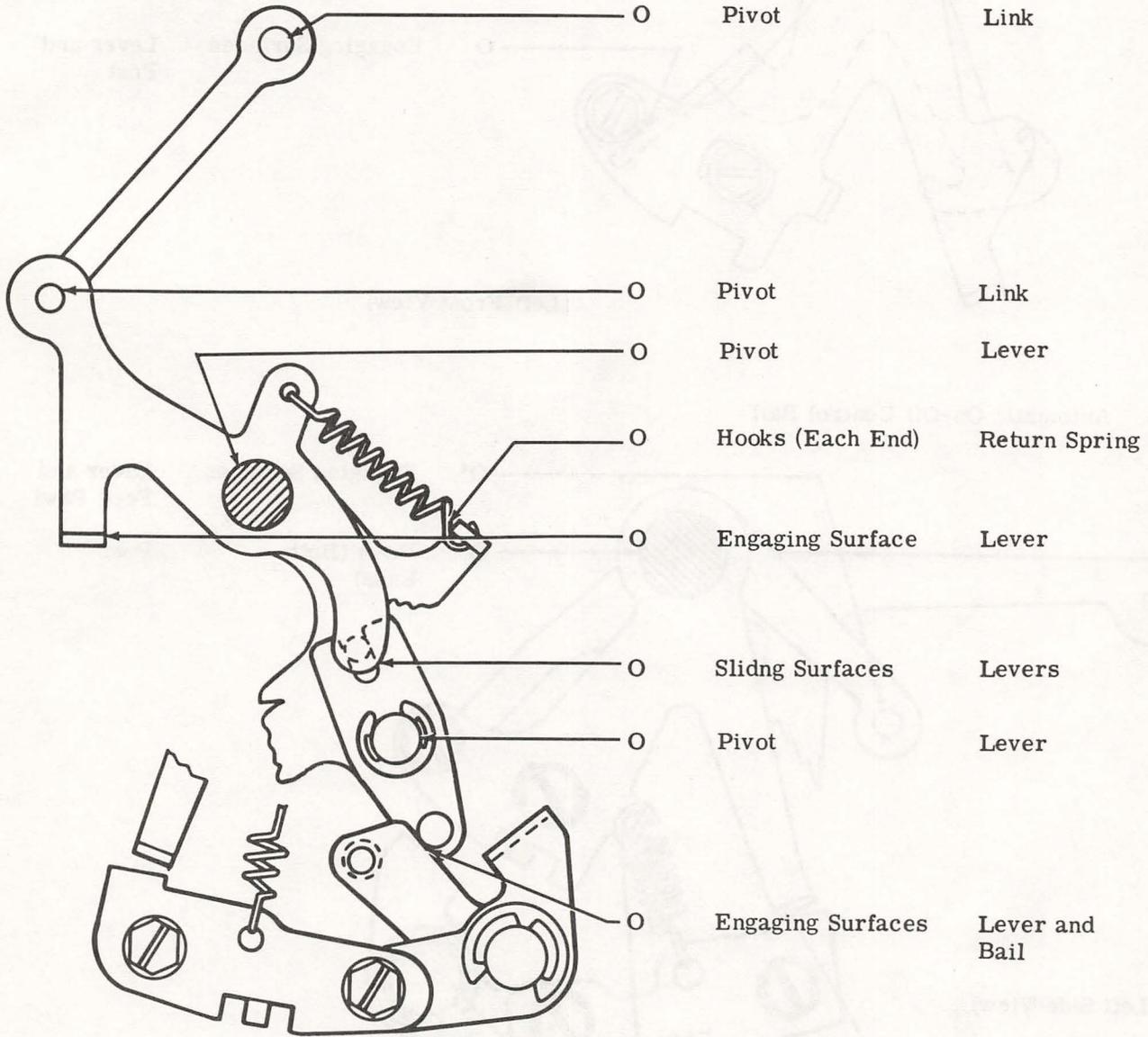


3.03 Automatic On-Off Control Bail



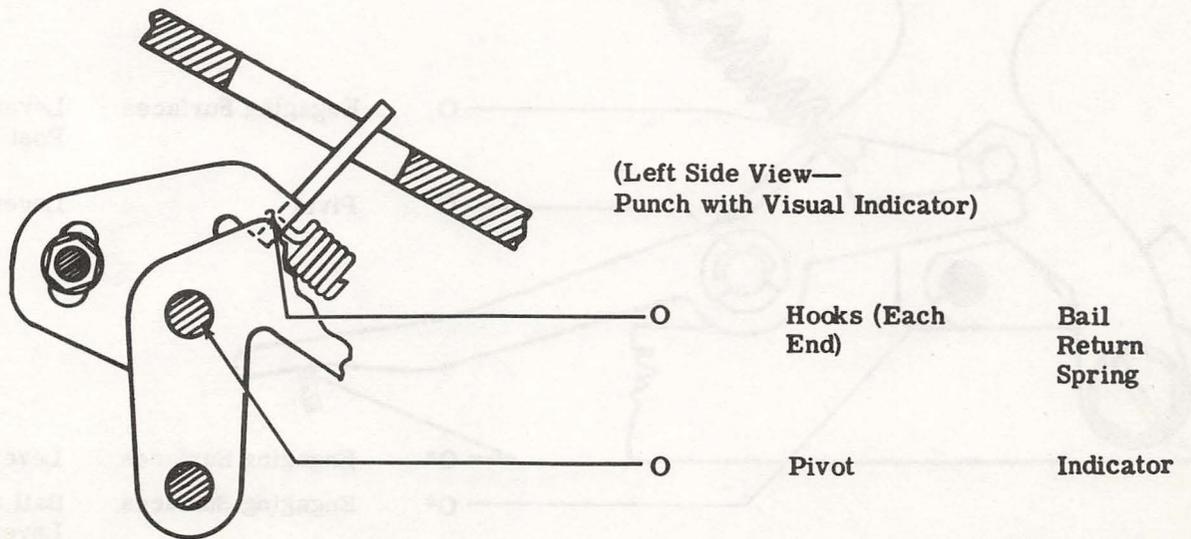
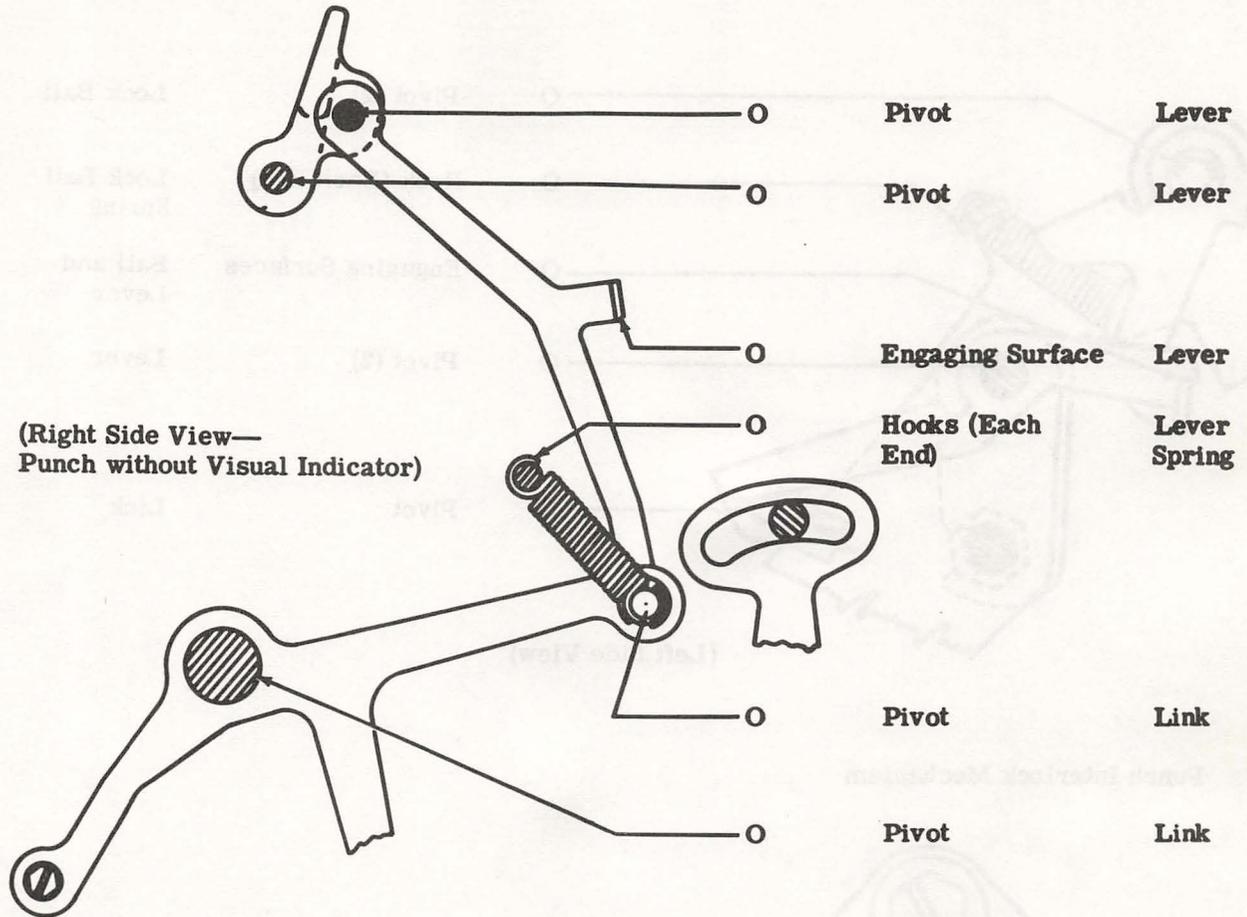
*At 1500 hour lubrication intervals, apply a coat of thoroughly mixed 50 percent KS7470 oil and 50 percent KS7471 grease.

3.04 Automatic On-Off Control Levers

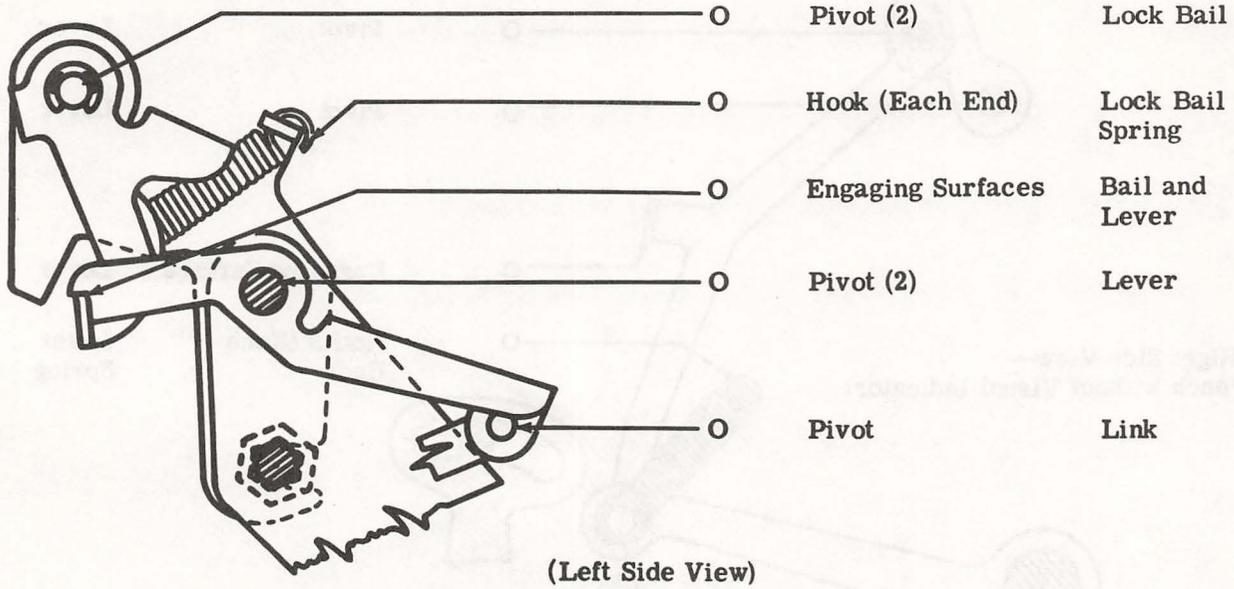


(Left Side View)

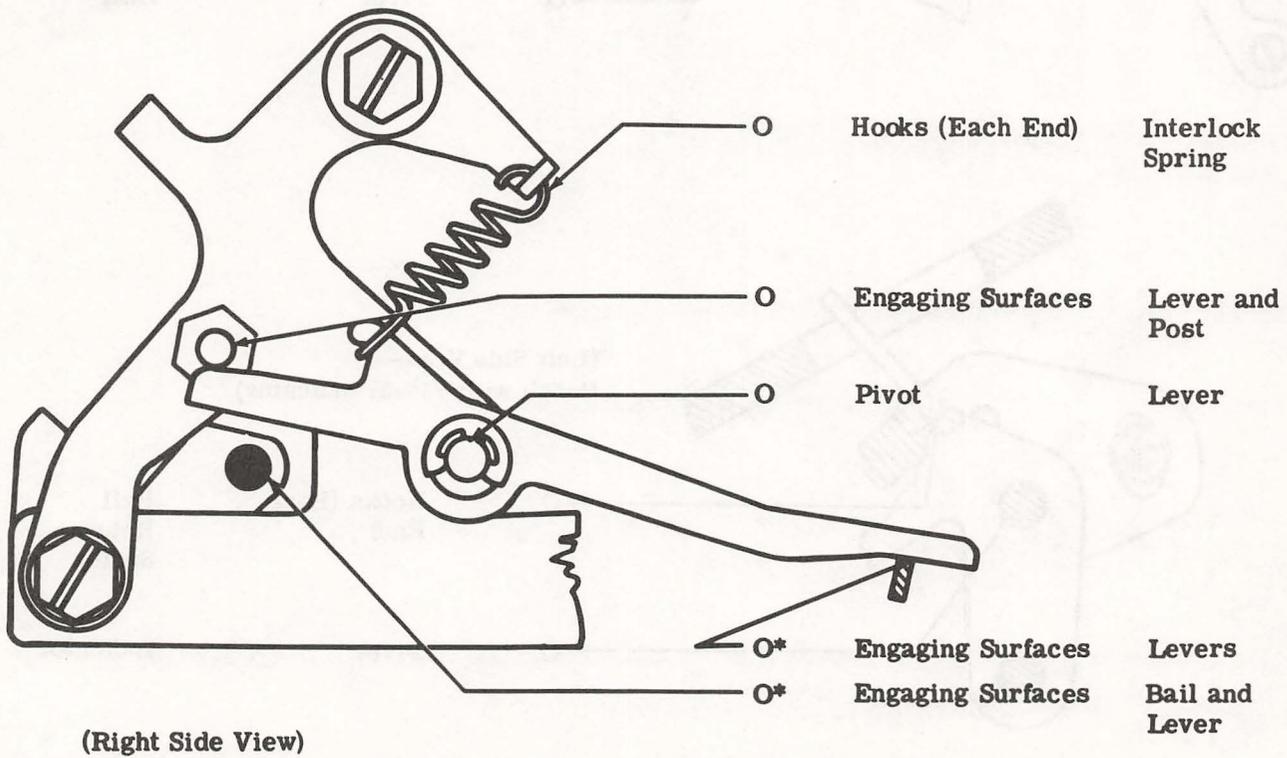
3.05 Automatic On-Off Control Mechanisms



3.06 LOCK "ON" Mechanism

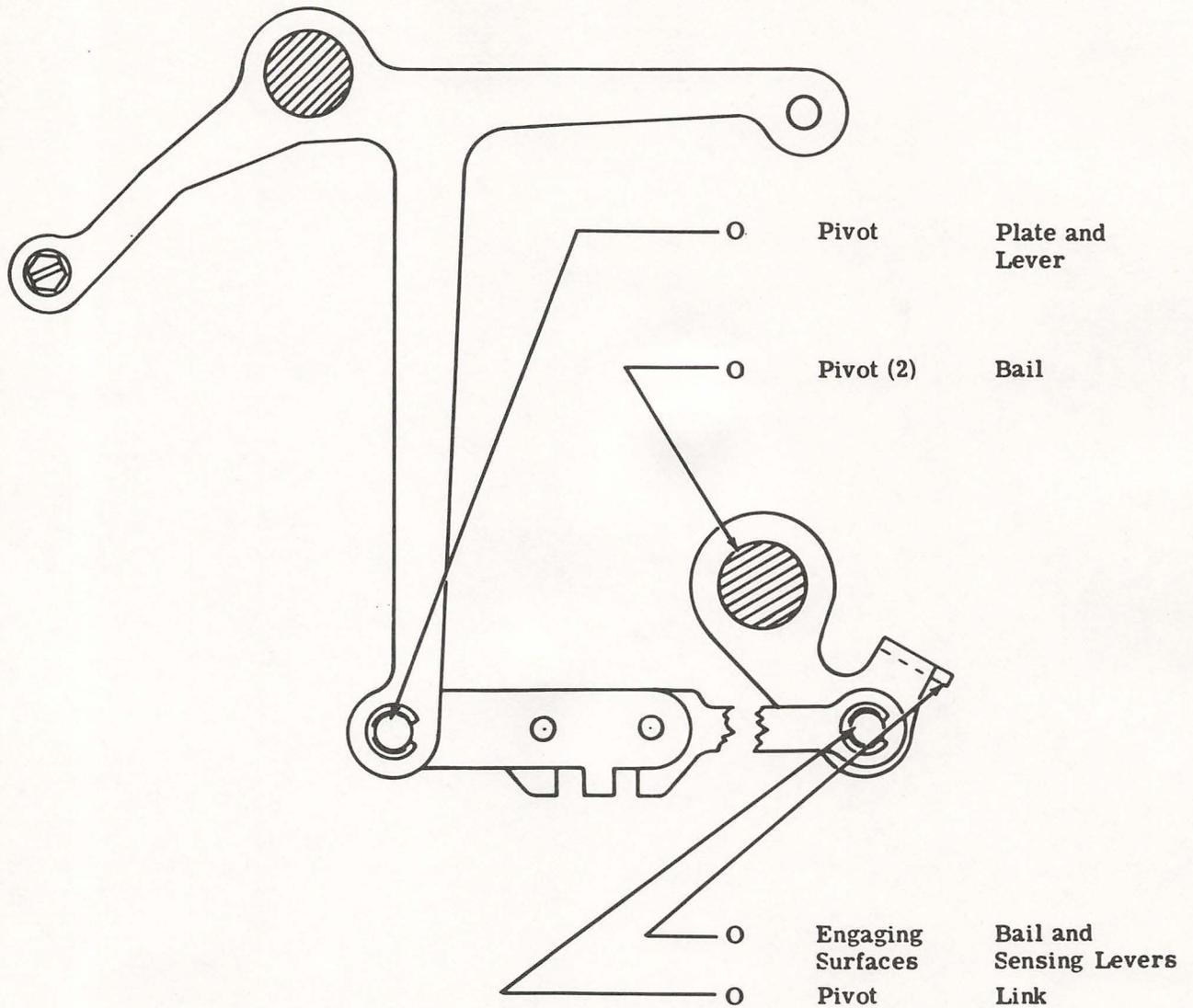


3.07 Punch Interlock Mechanism



*At 1500 hour lubrication intervals, apply a coat of thoroughly mixed 50 percent KS7470 oil and 50 percent KS7471 grease.

3.08 Sense Suppression Mechanism



(Right Side View)