

BELL SYSTEM PRACTICES
Teletypewriter and Data Stations

SECTION P34.602
Issue 1, June, 1958
AT&T Co Standard

28C TRANSMITTER-DISTRIBUTOR UNIT LUBRICATION

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1. GENERAL

1.01 This section contains the lubrication procedures for the maintenance of the 28C transmitter-distributor unit, which uses a pivoted sensing-head.

1.02 Lubrication of the unit before it is placed in service should be governed by the principles given in Section P33.014. After that, because of varying conditions at each station, the unit should be lubricated as often as specified by local instructions.

1.03 The following recommended lubrication intervals are included as a guide for use under normal operating conditions.

<u>Operating Speed</u> (Words per Minute)	<u>Lubrication Interval</u>
60	3000 hr or 1 yr*
75	2400 hr or 1 yr*
100	1500 hr or 6 mos
200	1000 hr or 4 mos

* Whichever occurs first.

1.04 The lubricants to be used and their methods of application are those specified in Section P30.011. The lubrication symbols used herein are the same as those given in that section. However, the simple symbol 0, which according to Section P30.011 indicates one or two drops of oil, is used in this practice to mean only one drop of oil. Symbols, such as 02, 03, or 020, are used herein to specify that two, three, or twenty drops respectively are to be applied at the points indicated.

1.05 The 28C transmitter-distributor unit should be lubricated in accordance with the following general information and with the specific instructions illustrated in Part 2.

- (a) Lubricate all spring eyes with one drop of oil.
- (b) Lightly oil all cam surfaces, sliding surfaces, and pivot points.
- (c) Apply a light coating of grease to all gears.
- (d) Saturate all felt oil retainers (felt lubricating washers and wicks) with oil.

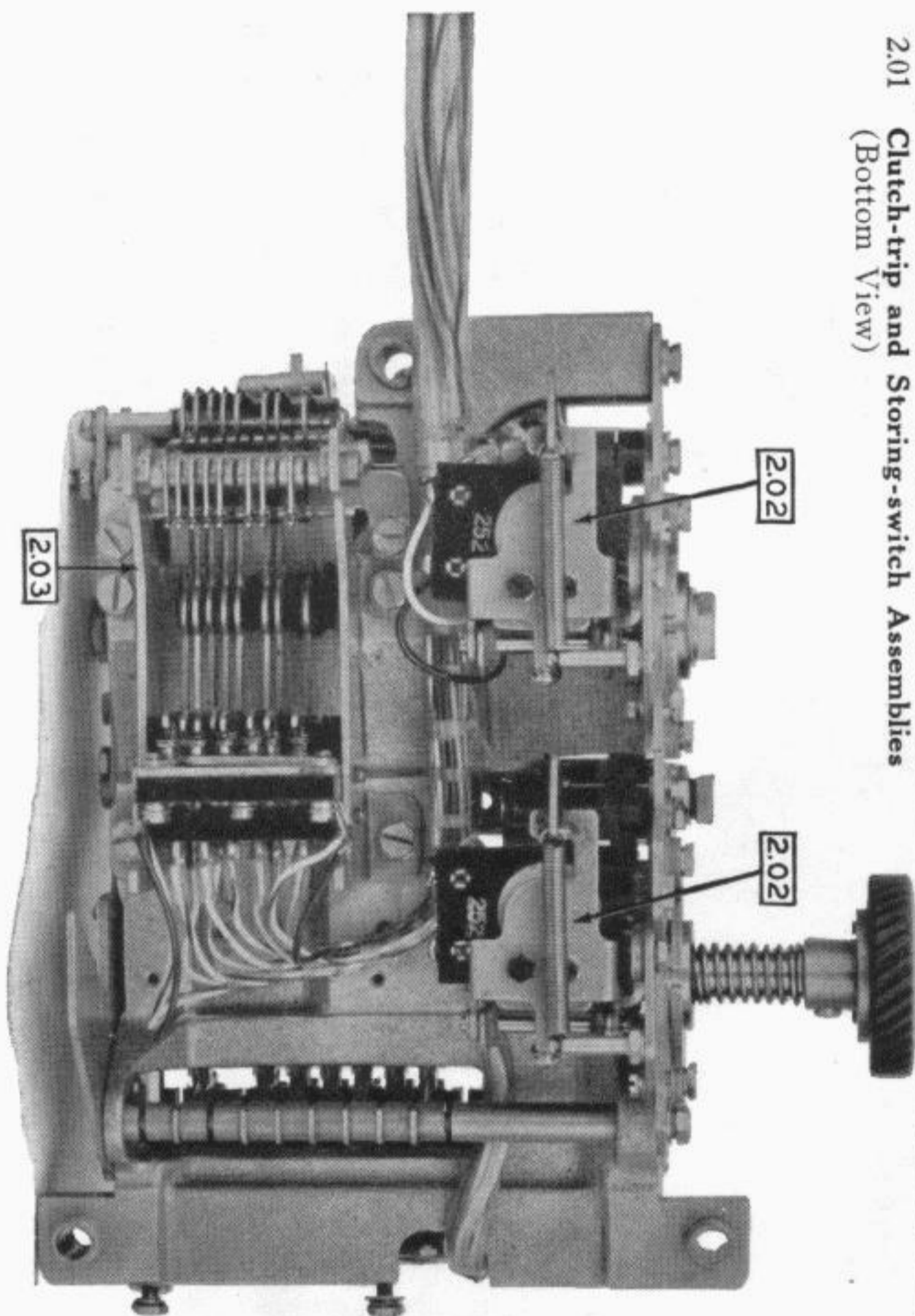
Overlubrication, however, which would permit oil or grease to drip or be thrown on other points should be avoided. Special care should be taken to prevent oil or grease from getting on any contact point face.

1.06 The photographs in Part 2 show the paragraph numbers referring to particular line drawings of mechanisms and the location of these mechanisms on the unit. Parts in the line drawings are shown in an upright position unless otherwise indicated. If it is difficult to lubricate a part in the indicated position, the unit should be turned to a position in which the part is more accessible.

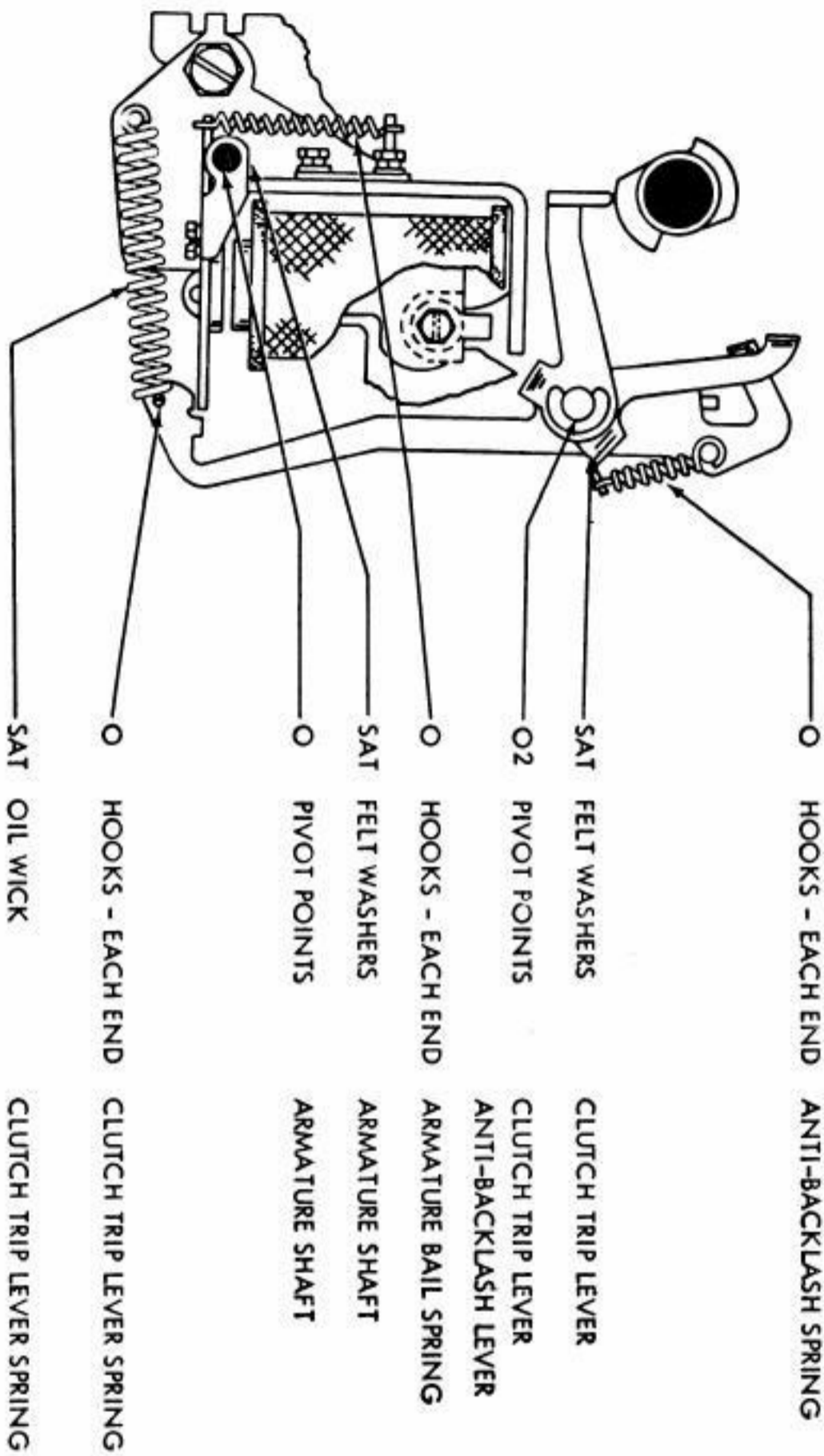
2. PARTS TO BE LUBRICATED

Note: The unit should be upside down for the lubrication shown in 2.01 to 2.03, inclusive.

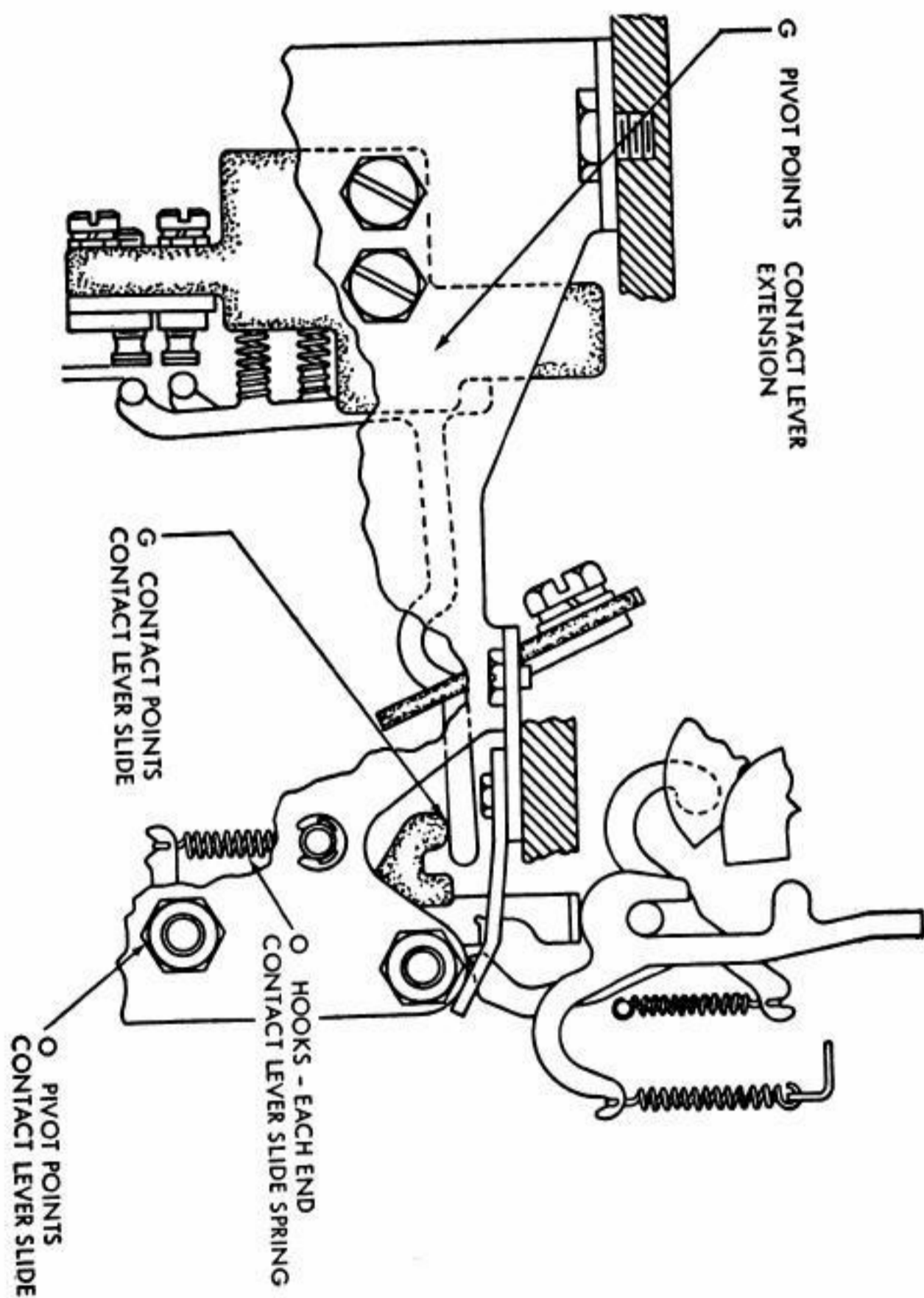
2.01 Clutch-trip and Storing-switch Assemblies
(Bottom View)



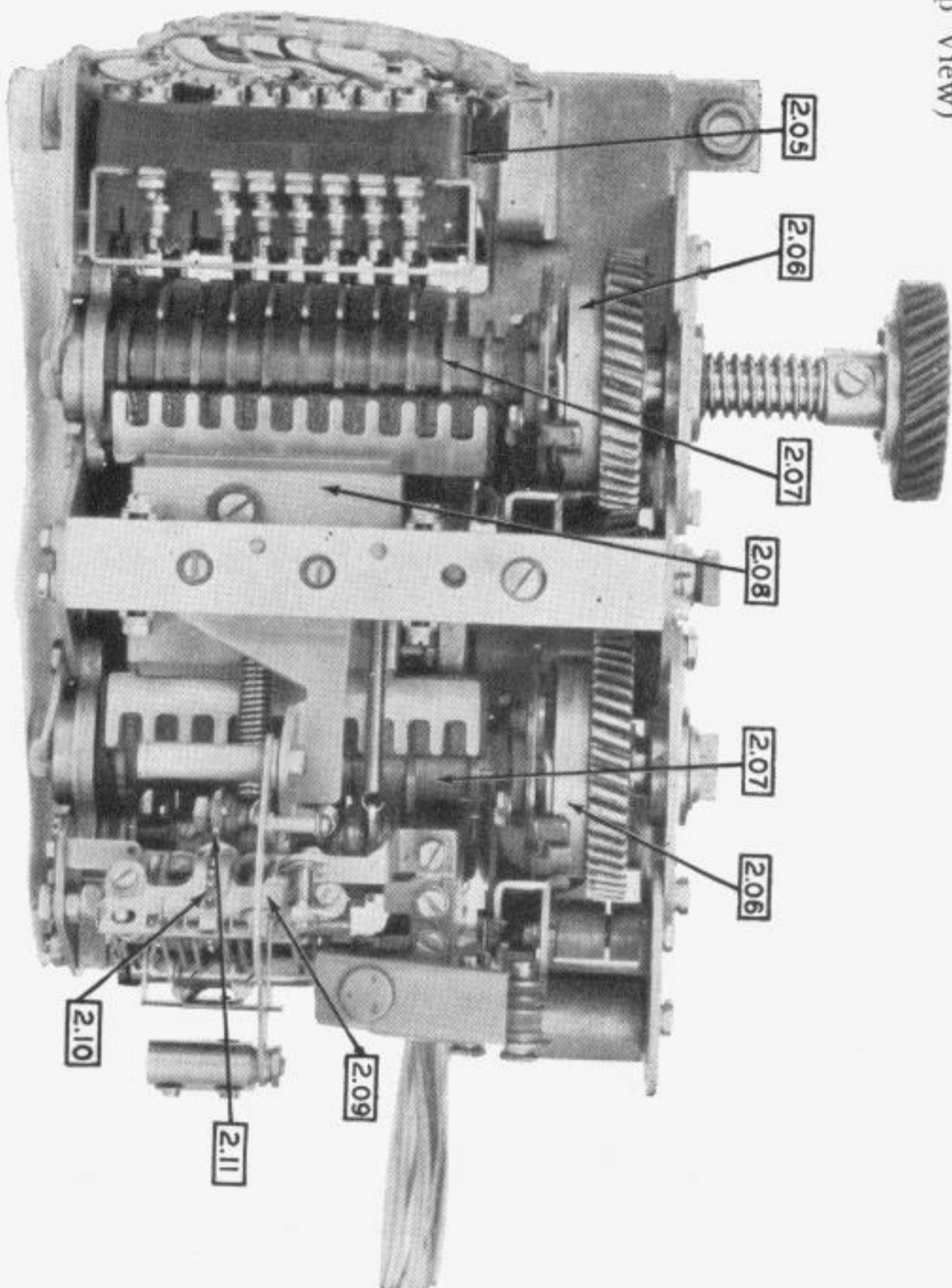
2.02 Clutch-trip Assemblies



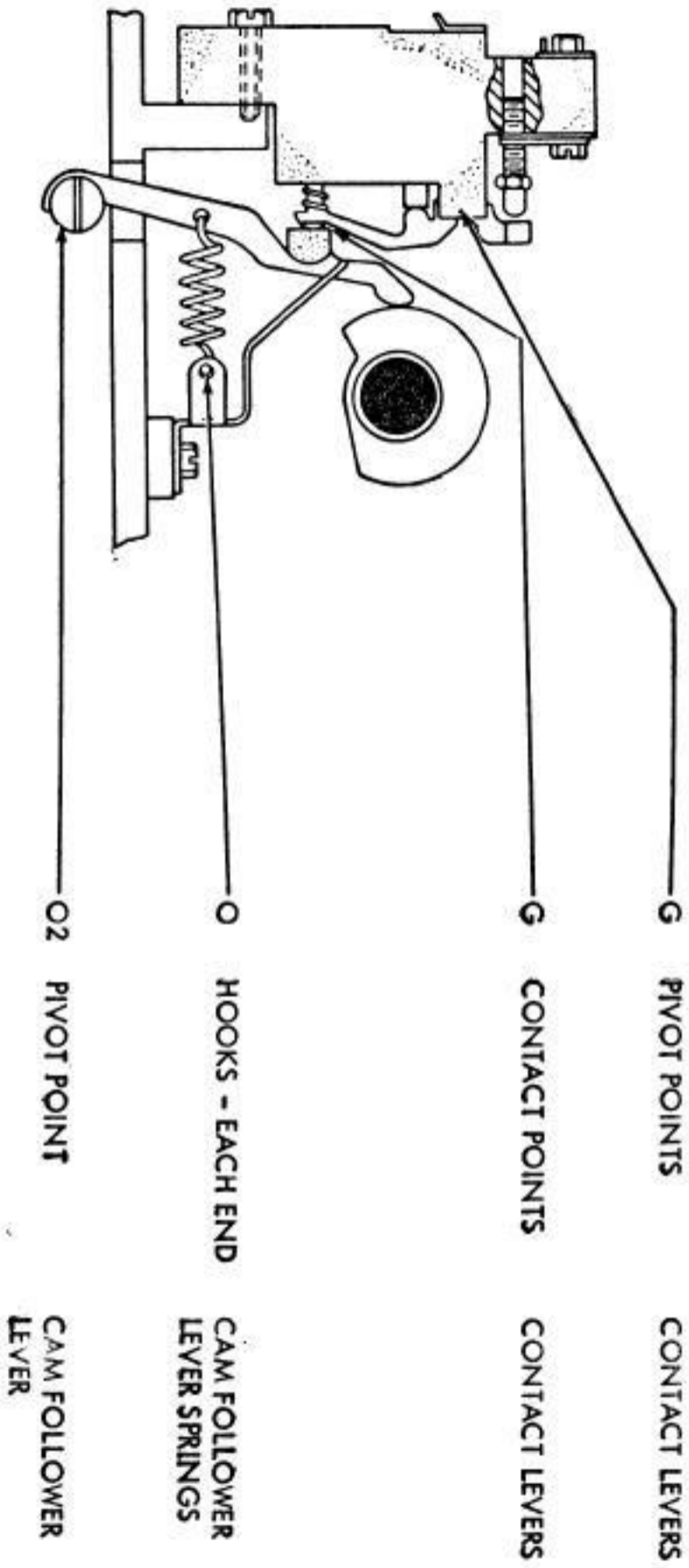
2.03 Storing-switch Assembly



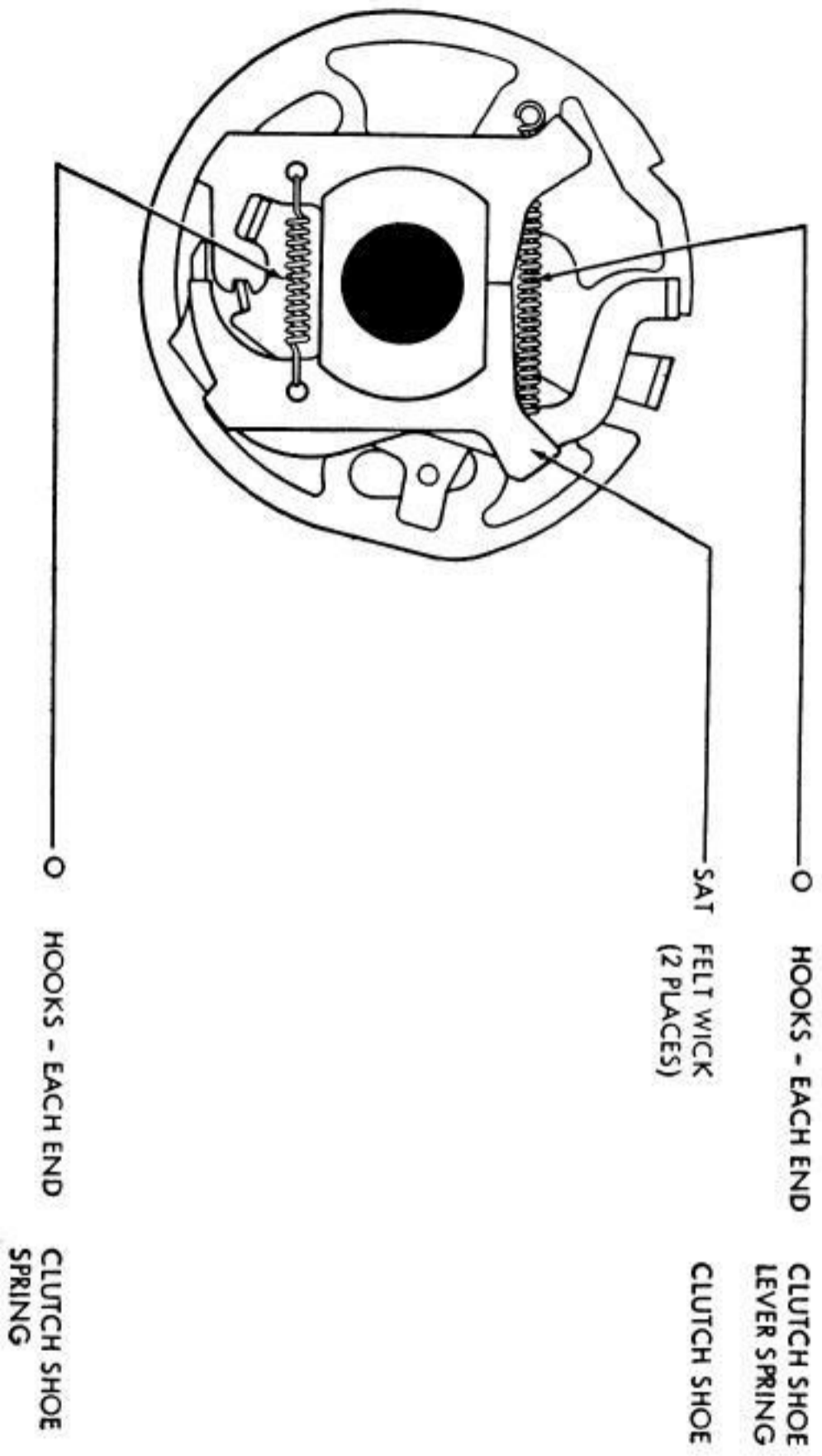
Note: The unit should be upright for the lubrication shown in 2.04 to 2.15, inclusive.
2.04 Distributor-block, Clutch, and Camsleeve Assemblies, etc.
(Top View)



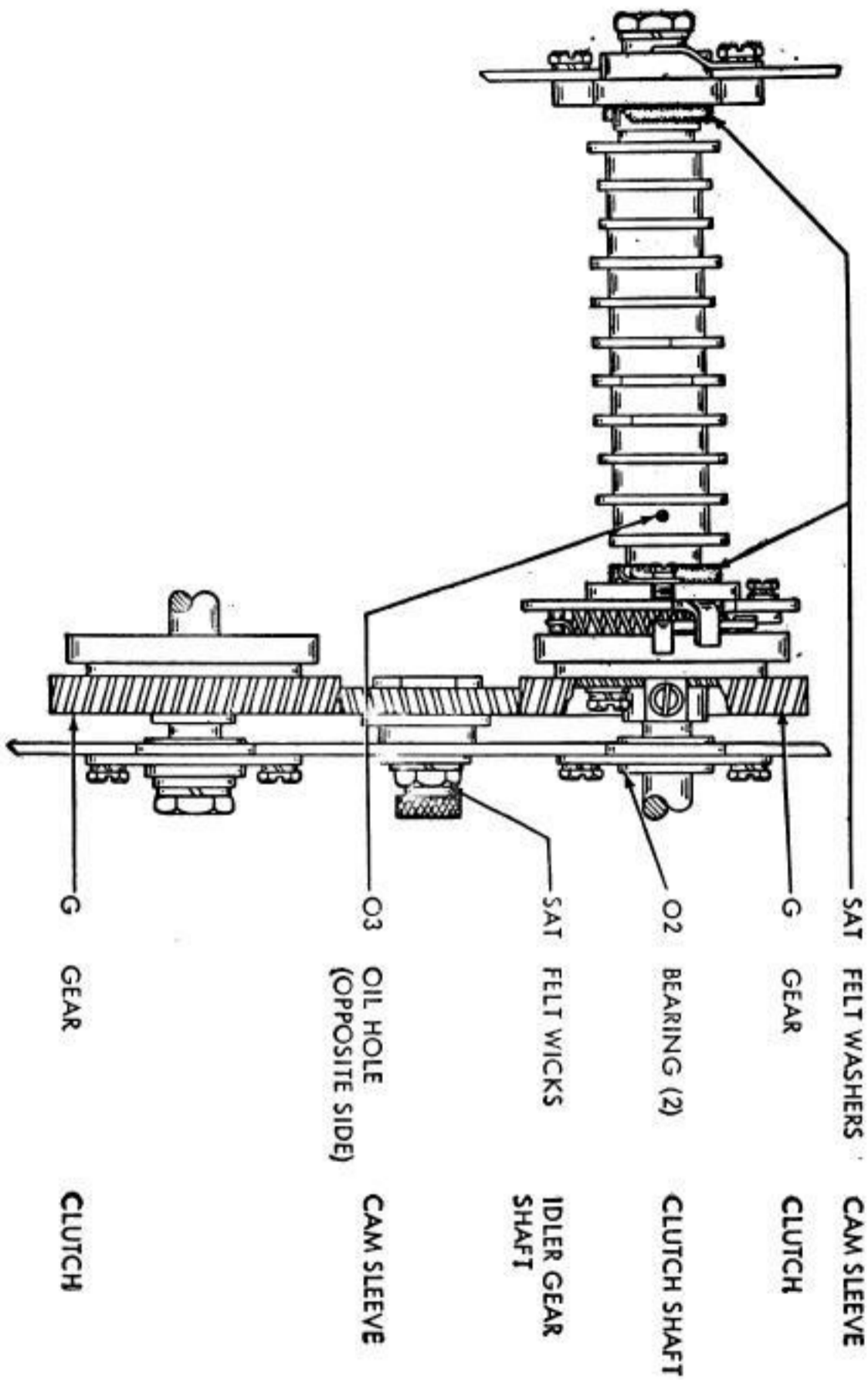
2.05 Distributor-block Assembly



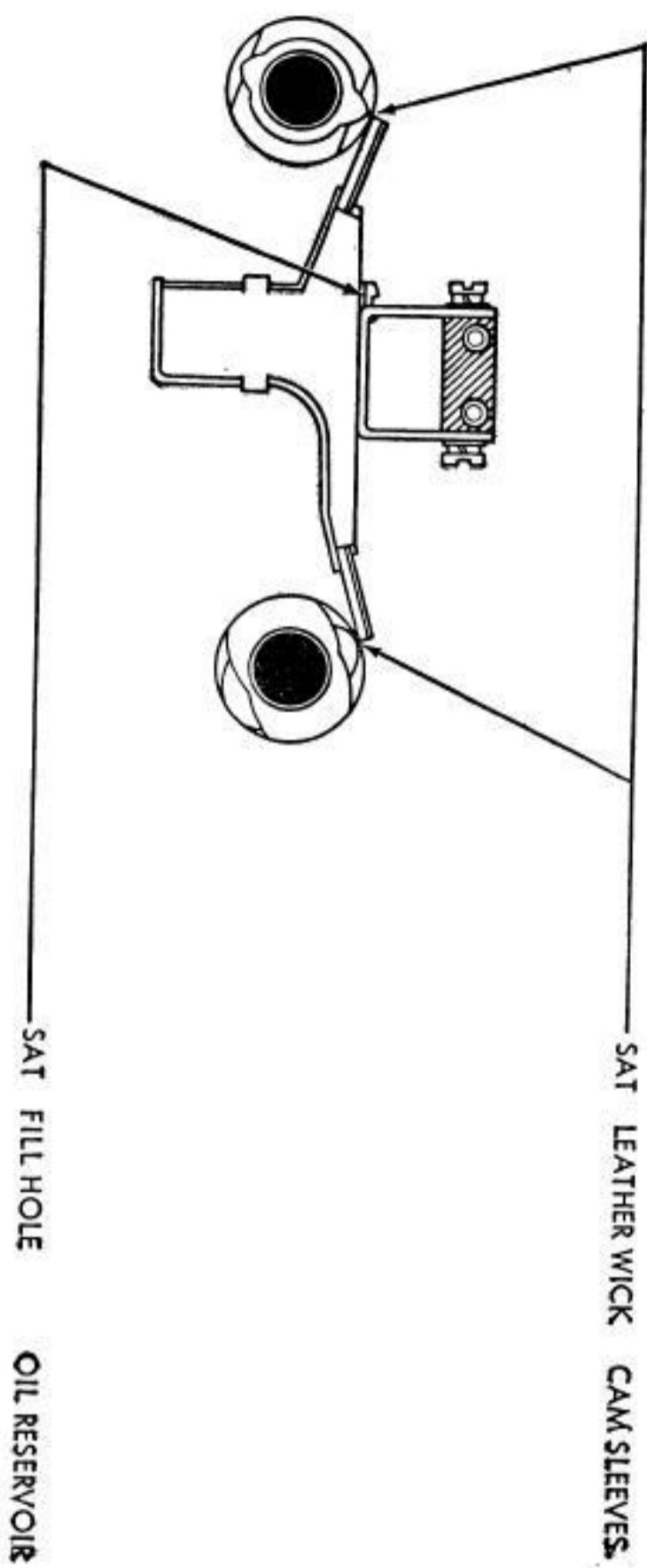
2.06 Clutch Assemblies



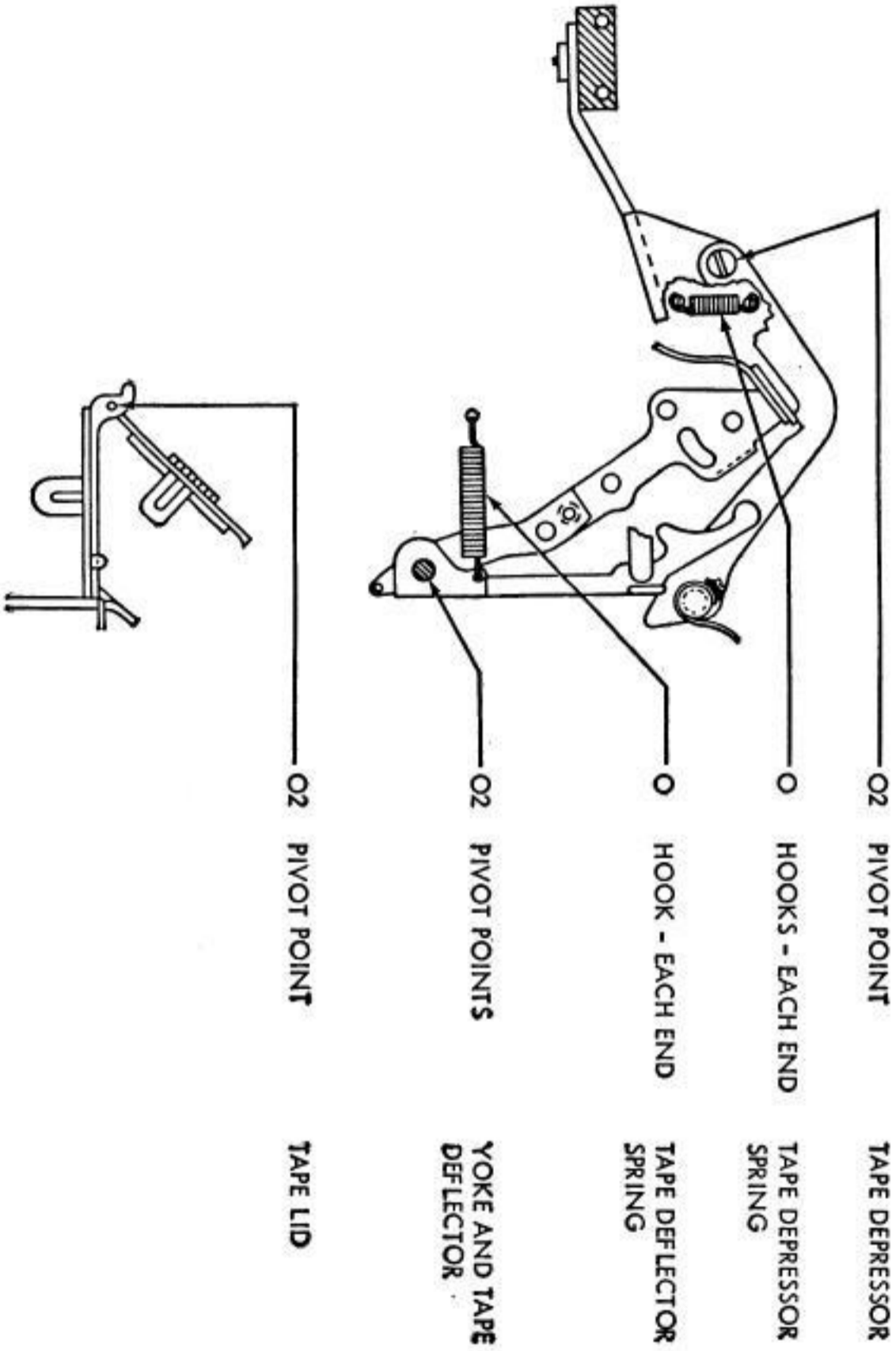
2.07 Cam sleeve Assemblies



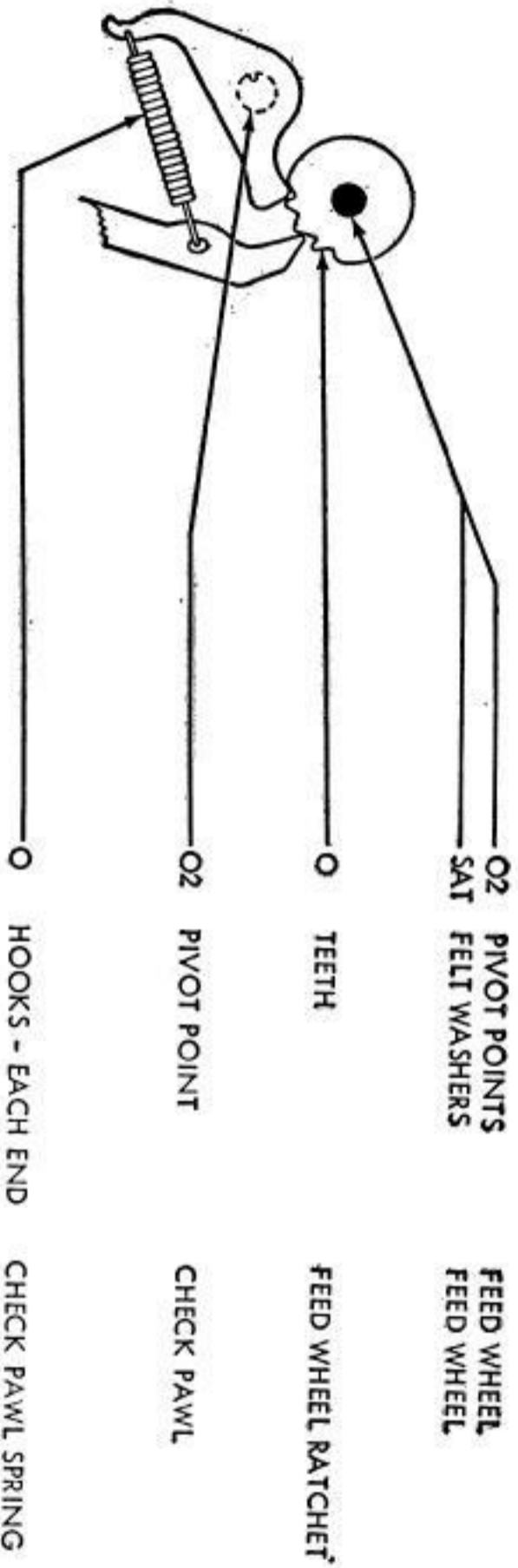
2.08 Oil-reservoir Assembly



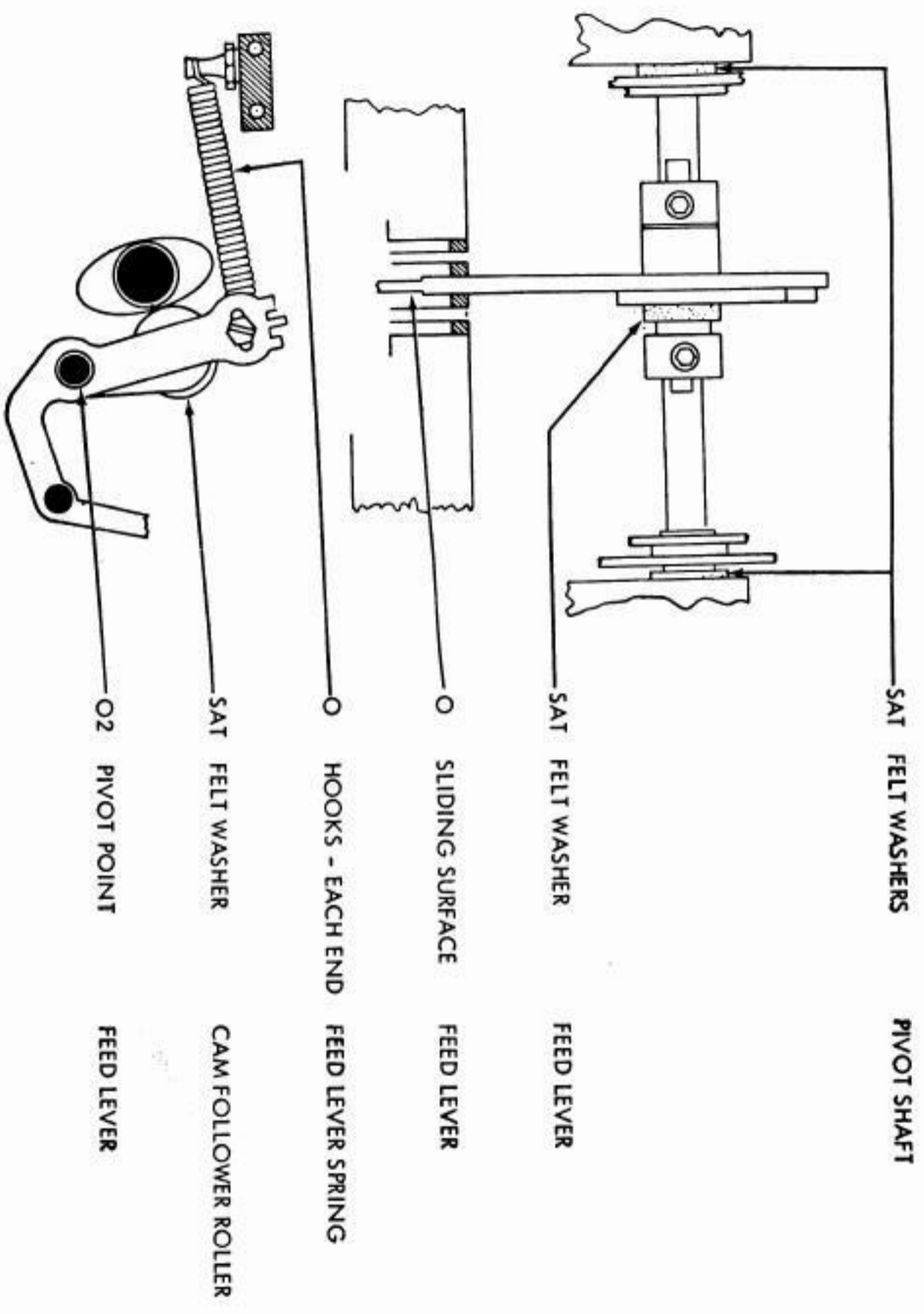
2.09 Pivoted Sensing-head



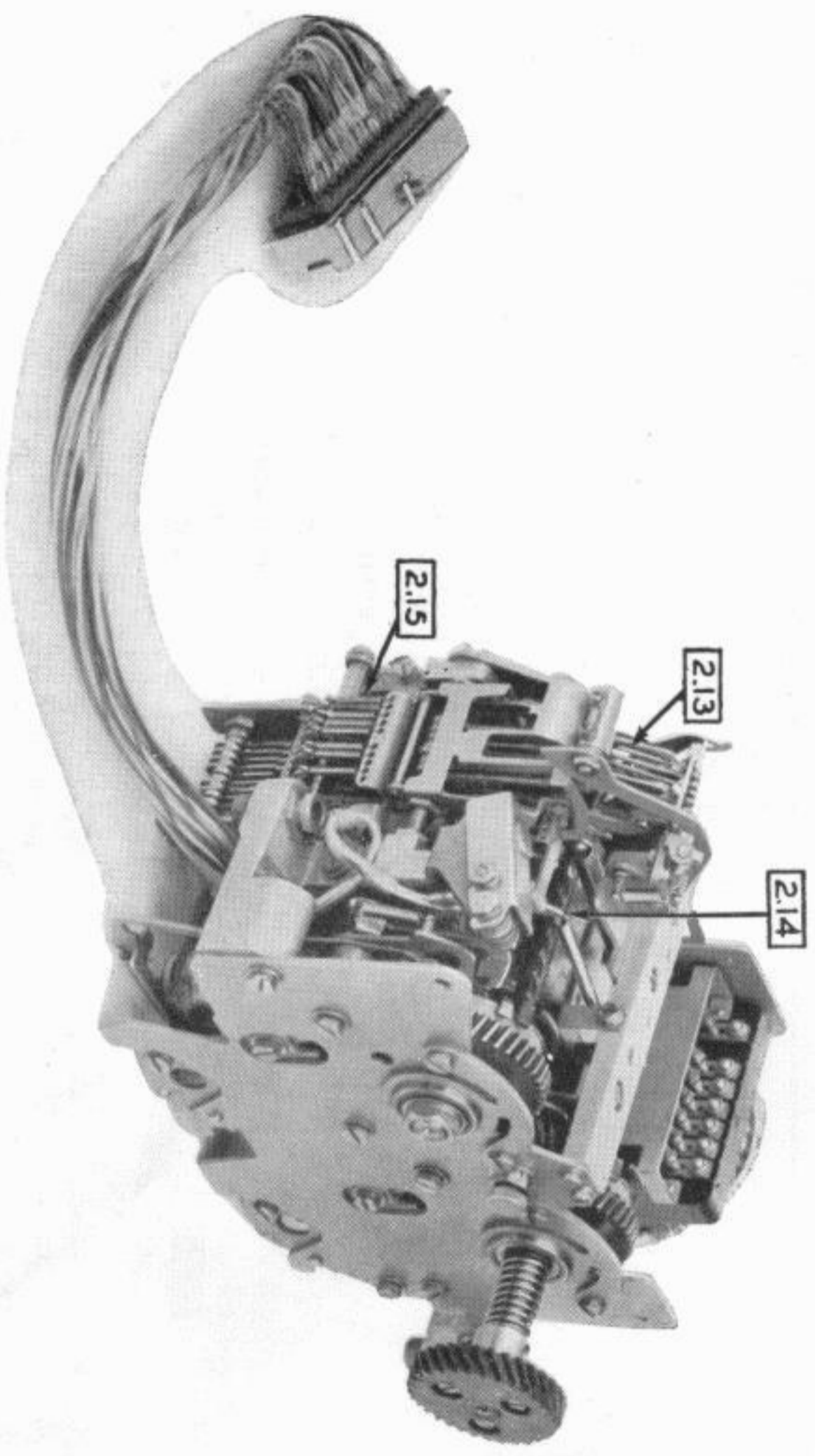
2.10 Check Pawl and Feed Wheel



2.11 Feed Mechanism



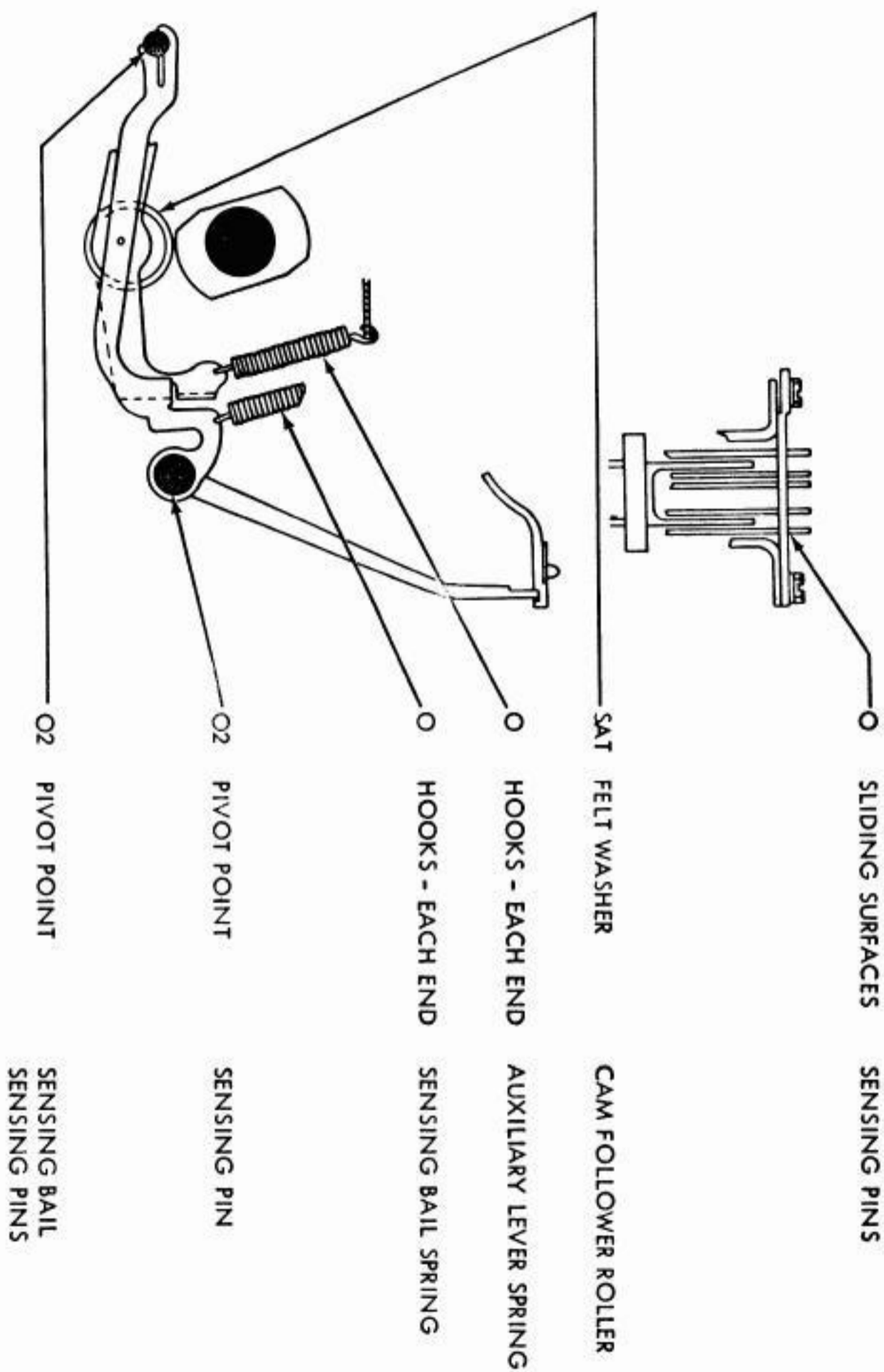
2.12 Sensing Mechanism (Right, Rear View)



500
500

500
500

2.13 Sensing Mechanism



2.14 Sensing Mechanism (Cont'd)



O HOOKS - EACH END PUSHER STRIPPER BALL SPRING

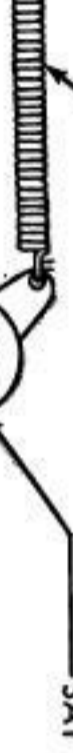


O2 PIVOT POINT PUSHER STRIPPER BALL



SAT FELT WASHER CAM FOLLOWER ROLLER

O HOOKS - EACH END LATCH STRIPPER BALL SPRING

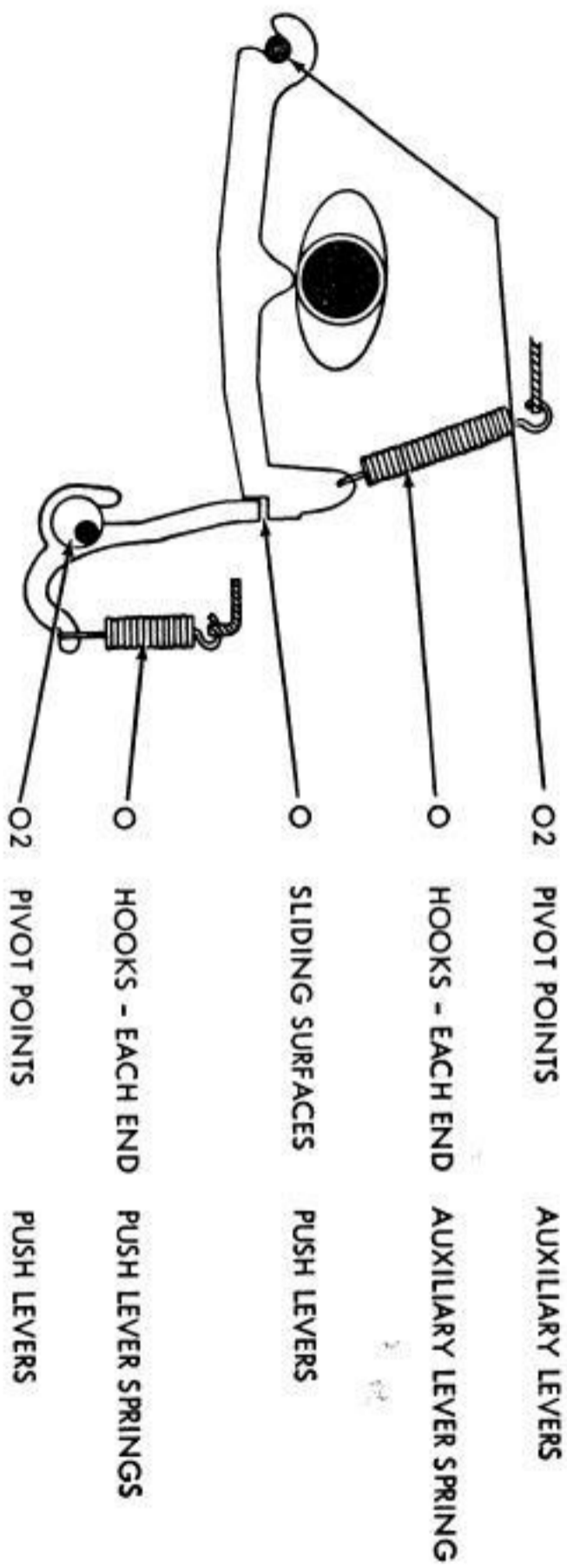


SAT FELT WASHER CAM FOLLOWER ROLLER



O2 PIVOT POINT LATCH STRIPPER BALL

2.15 Sensing Mechanism (Cont'd)



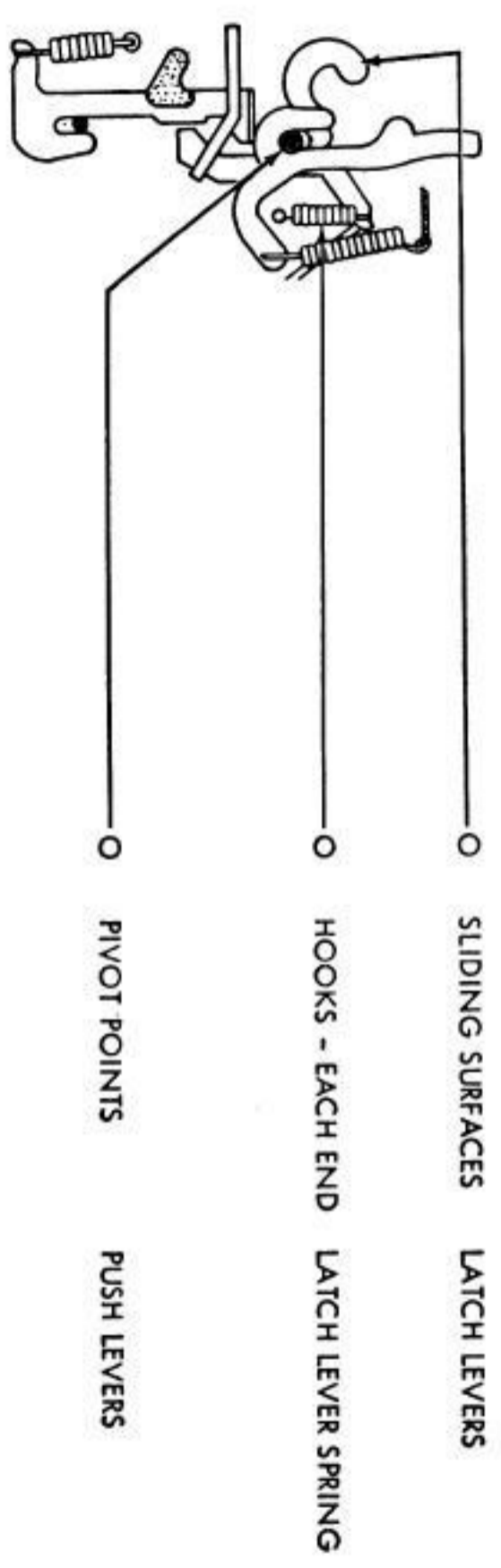
O2 PIVOT POINTS AUXILIARY LEVERS

O HOOKS - EACH END AUXILIARY LEVER SPRING

O SLIDING SURFACES PUSH LEVERS

O HOOKS - EACH END PUSH LEVER SPRINGS

O2 PIVOT POINTS PUSH LEVERS



O SLIDING SURFACES LATCH LEVERS

O HOOKS - EACH END LATCH LEVER SPRING

O PIVOT POINTS PUSH LEVERS

3. REFERENCE TO BELL SYSTEM PRACTICES

3.01 The following Bell System Practices contain information which may be required in connection with this practice.

<u>Subject</u>	<u>Section</u>
Teletypewriter Apparatus, General Requirements and Procedures	P30.012
Teletypewriter Apparatus, Lubrication, General Requirements	P30.011
Teletypewriter Apparatus, Preparation of Apparatus for Installation	P33.014
28C Transmitter-Distributor Unit, Requirements and Procedures	P34.631
28C Transmitter-Distributor Unit, Wiring Diagrams	P34.304