

35 TAPE READER (PARALLEL OUTPUT)

LUBRICATION

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1. GENERAL

1.01 This section is concerned with the lubrication of 8-level tape reader units. Refer to related 574-236-series sections for descriptive information, principles of operation, adjustments, disassembly, and reassembly.

1.02 The lubrication information for the tape reader is divided into "basic unit" adjustments (common to all units) and "variable feature adjustments" (adjustments which may vary from unit to unit).

1.03 Use of the terms left or right, up or down, front or rear, etc consider the tape reader to be viewed from a position such that the tape guide plate is to the viewer's right and on top of the tape reader.

1.04 Some lubrication of the unit may be accomplished with the plates removed, however, when a complete lubrication is under-

taken the tape reader should be disconnected from any ac or dc potential and removed from its base. (See related disassembly and reassembly section.)

1.05 Lubricate the tape reader just prior to placing it into service. After a few weeks in service, re-lubricate the unit to assure that all points receive lubricant. Thereafter lubricate every 1500 hours or 6 months, whichever occurs first. Use KS7470 oil at all locations where the use of oil is indicated. Use KS7471 grease on all surfaces where grease is indicated.

1.06 The equipment should be thoroughly lubricated, but overlubrication, which might allow oil to drop or grease to be thrown onto other parts, should be avoided. Keep all electrical contacts free from oil or grease.

1.07 Specific points of lubrication are indicated on line drawings. Photographs show paragraph numbers referring to selected line drawings of mechanisms. The photographs also indicate the area where the mechanisms are located on the unit.

1.08 Symbols are used on the line drawings, in association with specific points of lubrication, to indicate the following directions:

- O Apply 1 drop of oil.
- O2 Apply 2 drops of oil.
- O3 Apply 3 drops of oil.
- O6 Apply 6 drops of oil.
- G Apply a film of grease.
- SAT Saturate with oil.
- FILL Fill cavity full.

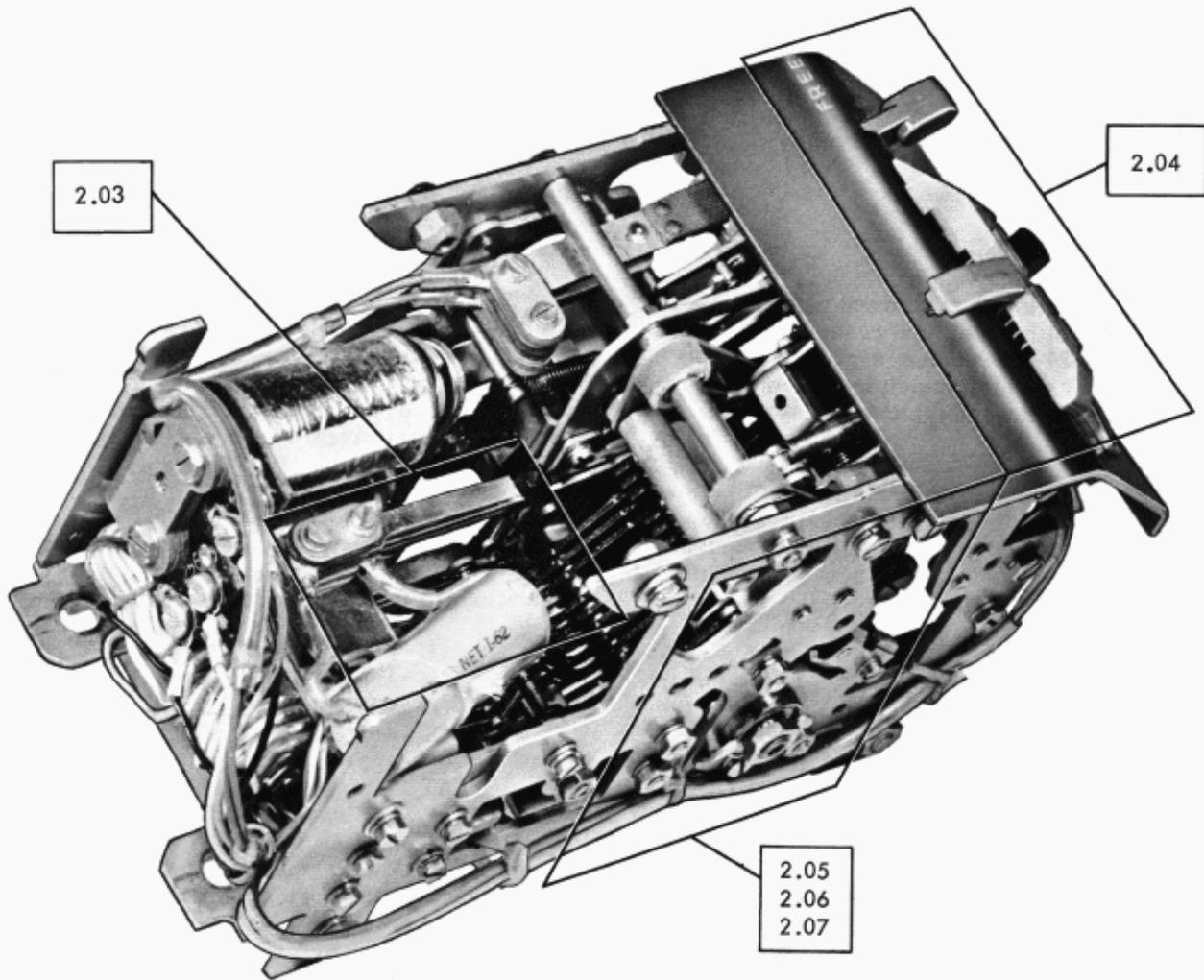
1.09 The following instructions supplement the specific lubrication points indicated on line drawings in this section:

SECTION 574-236-701

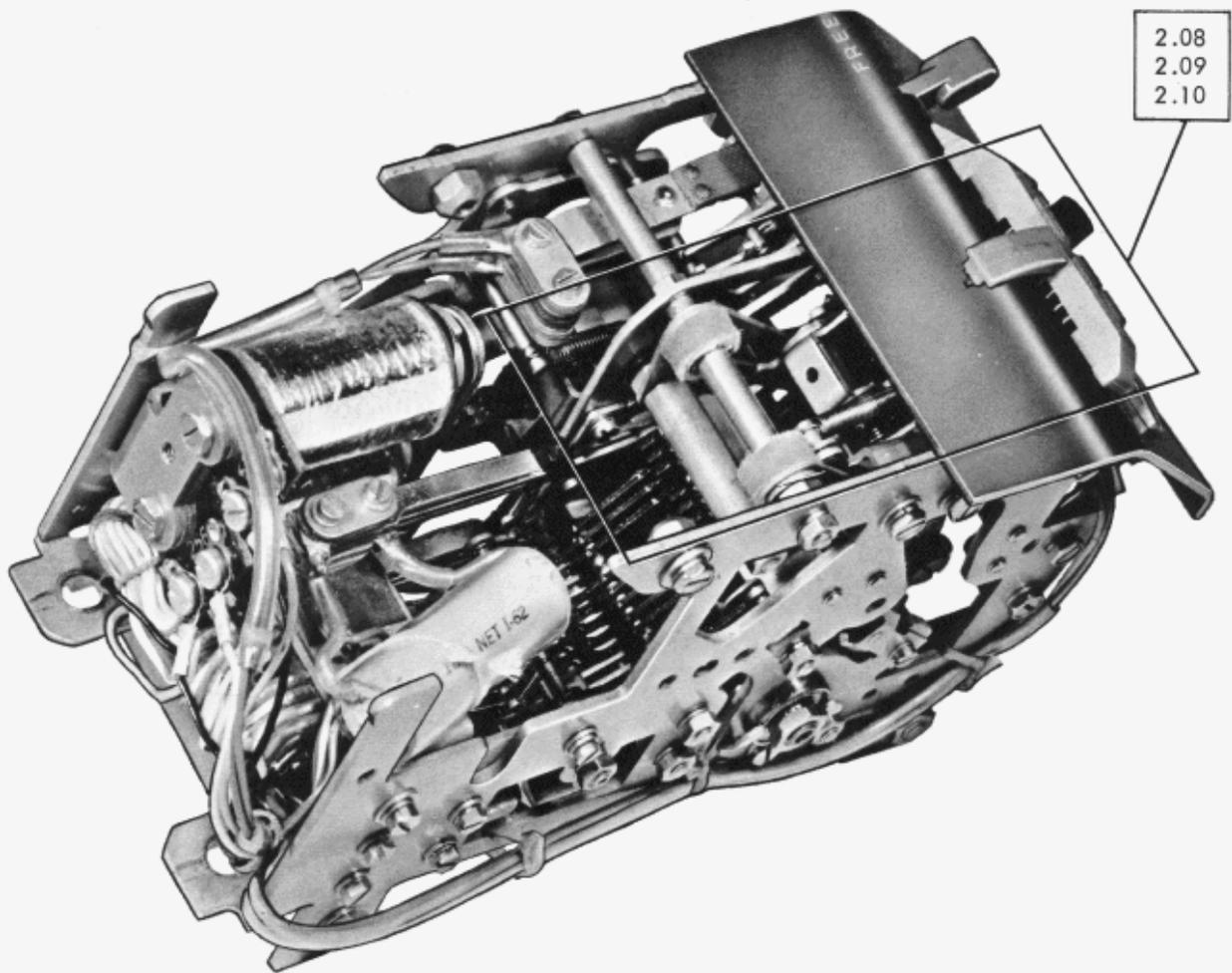
- (a) Apply one drop of oil to all spring hooks.
- (b) Apply a light film of oil to all cam surfaces, including the camming surfaces of the clutch disk.
- (c) Apply a thick coat of grease to all gears.
- (d) Saturate all felt washers, oilers, spring wicks, etc.
- (e) Apply oil to all pivot points.
- (f) Apply oil to all contacting-sliding surfaces.

2. BASIC UNIT

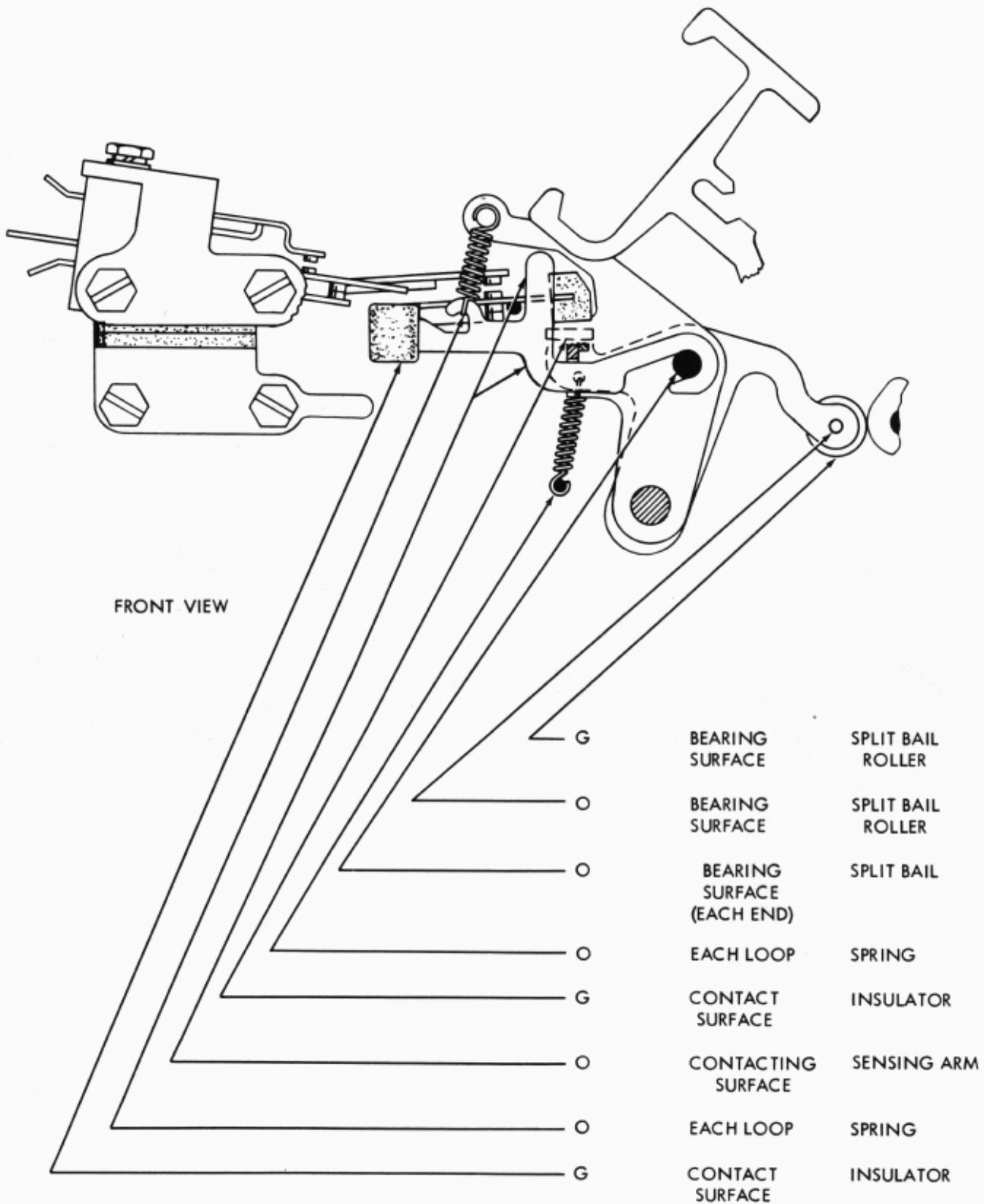
2.01 Area and Assembly Location



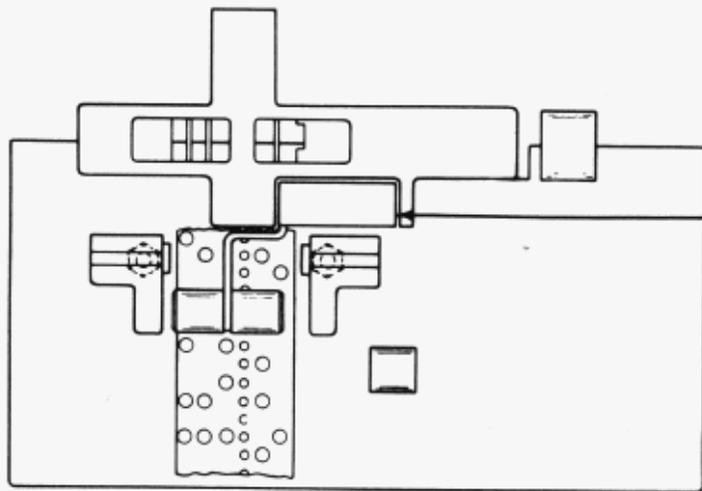
2.02 Area and Assembly Locations (Continued)



2.03 Auxiliary No. 1 and Code Reading Contact Assemblies

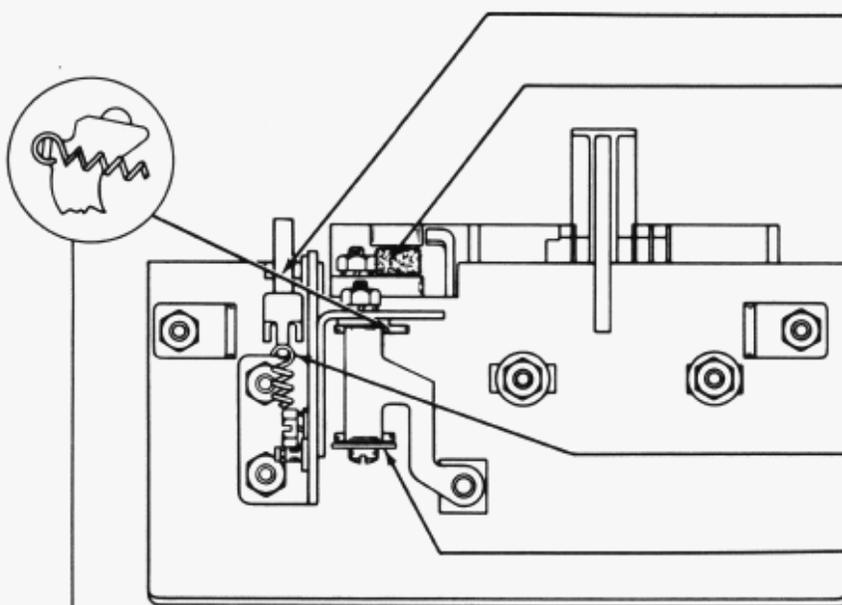


2.04 Cover and Top Plate Area



TOP VIEW

O BEARING SURFACE
TIGHT-TAPE BAIL



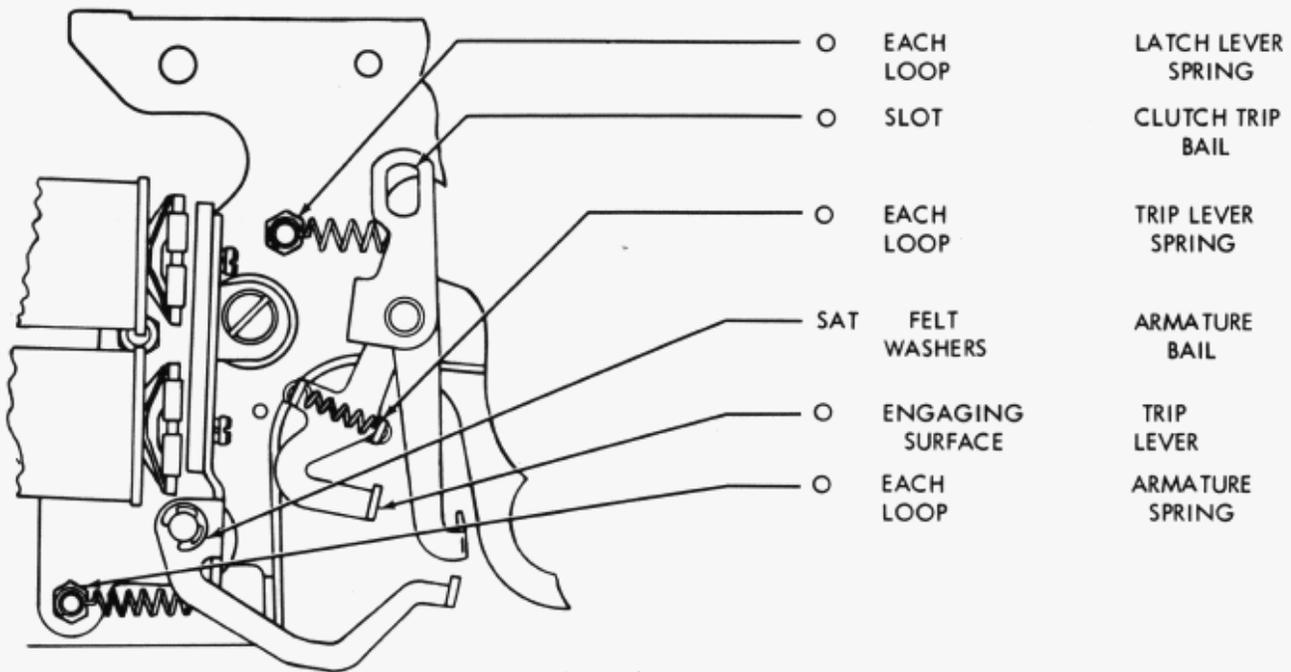
BOTTOM VIEW

G DETENT TEETH CONTROL LEVER
SAT FELT WASHER TAPE LID SHAFT

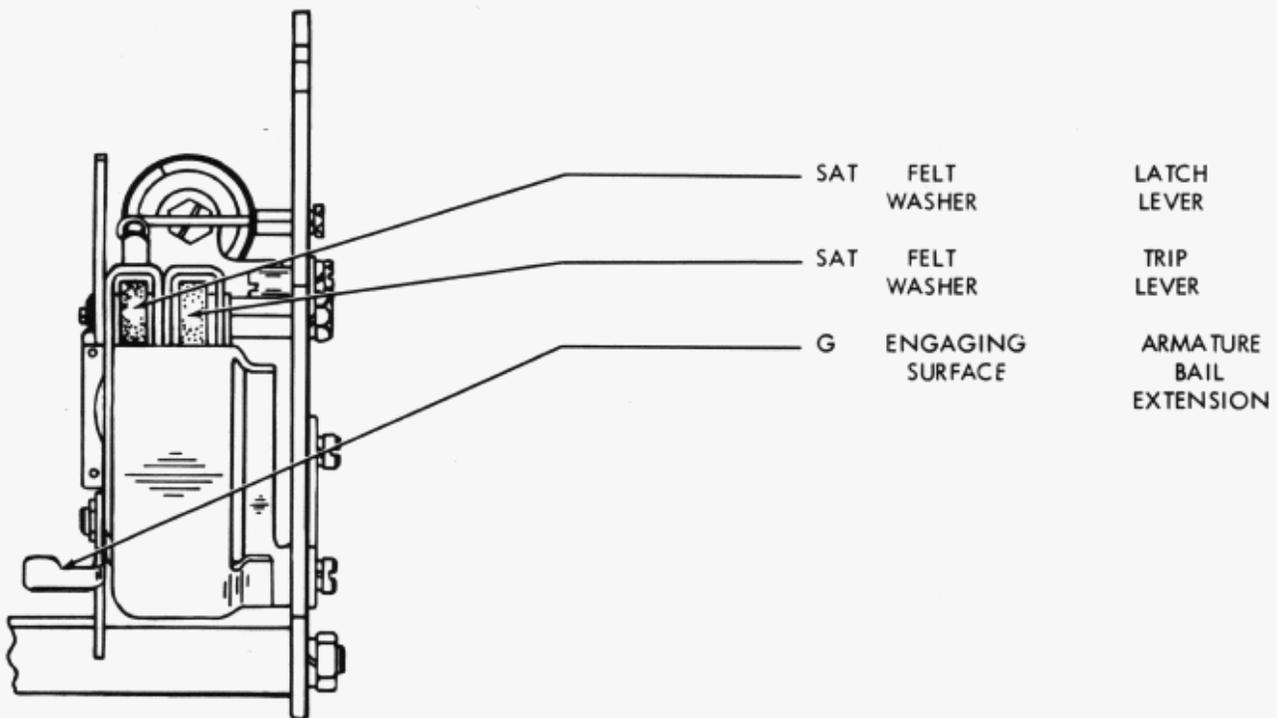
O EACH LOOP CONTROL DETENT BAIL
O BEARING SURFACE TAPE LID RELEASE BAIL

G LATCHING SURFACE TAPE LID LATCH
O EACH LOOP TAPE LID LATCH SPRING

2.05 Main Bail, Shaft, and Clutch Trip Mechanism

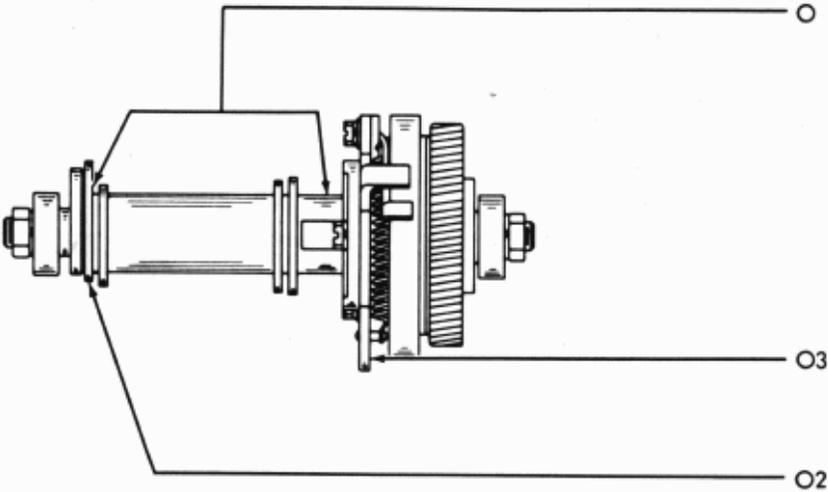


FRONT VIEW



RIGHT SIDE VIEW

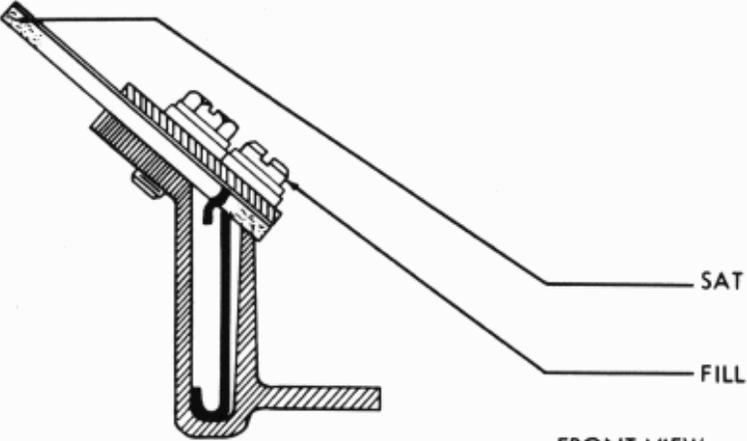
2.06 Main Bail, Shaft, and Clutch Trip Mechanism (Continued)



CAMMING SURFACES CAM SLEEVE

CAMMING SURFACE CLUTCH DISK

CAMMING SURFACE DRIVE ARM CAM

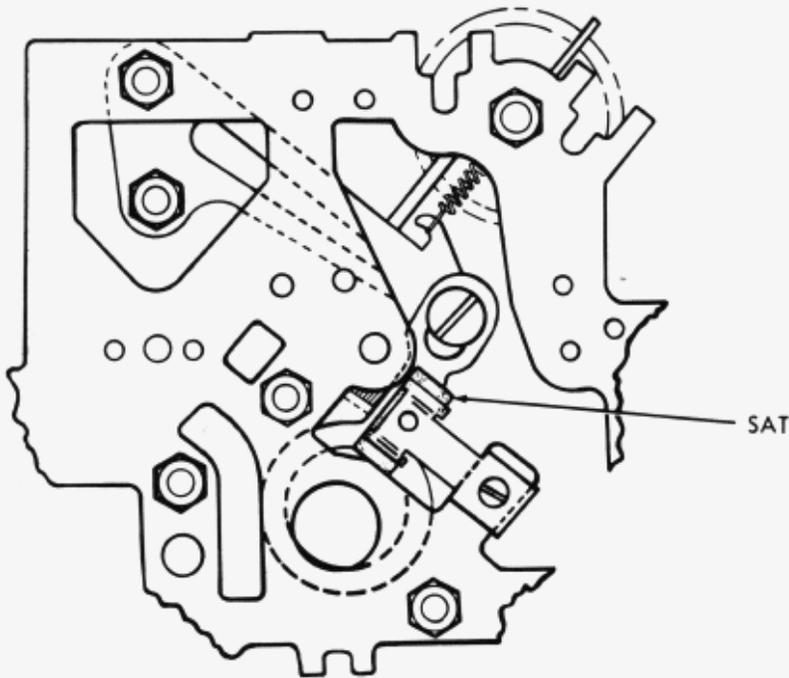


LEATHER WICK CAM OILER

RESERVOIR CAM OILER

FRONT VIEW

2.07 Main Bail, Shaft, and Clutch Trip Mechanism (Continued)

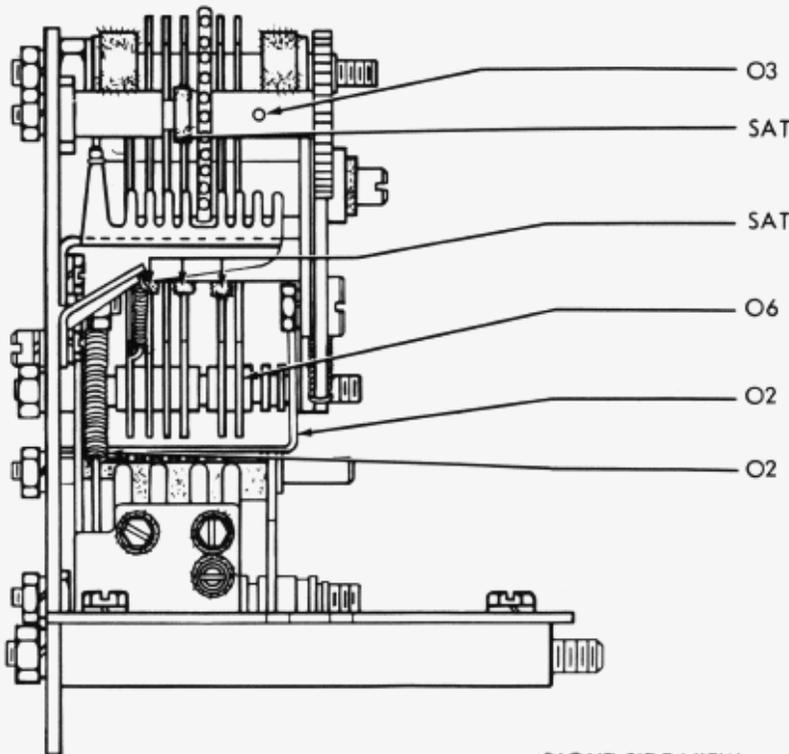


FRONT VIEW

LEATHER
WICK

DRIVE ARM
OILER

2.08 Tape Sensing and Feed Mechanism



RIGHT SIDE VIEW

SHAFT

FEED WHEEL

FELT
WICK

FEED WHEEL
BEARING

FELT
WICKS

SENSING FINGERS

SLIDING
SURFACE

SENSING FINGER
GUIDE POST

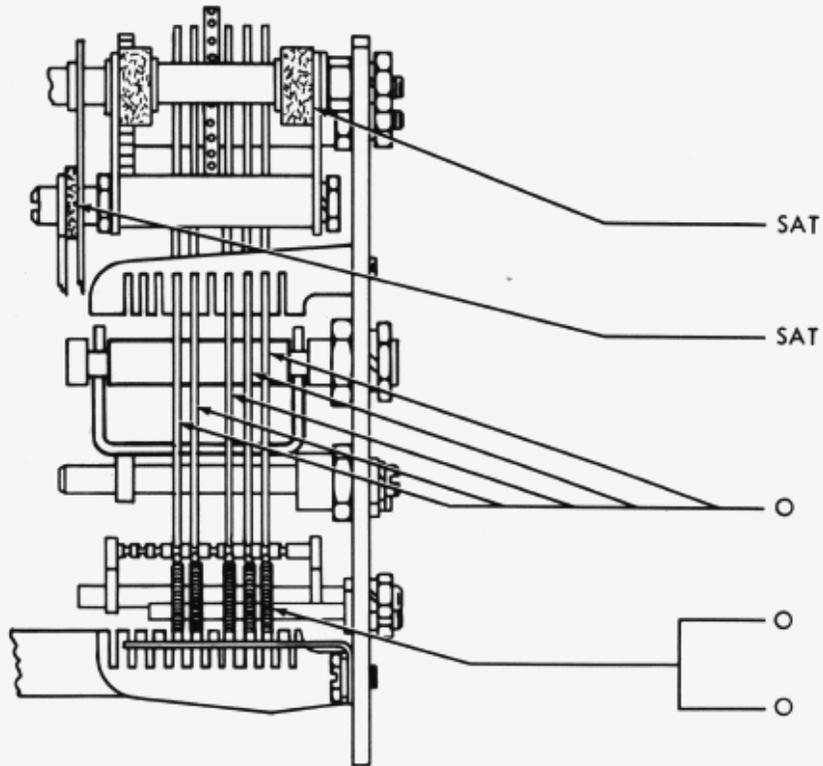
SLIDING
SURFACE

LOCKING
BAIL

BOTH
LOOPS

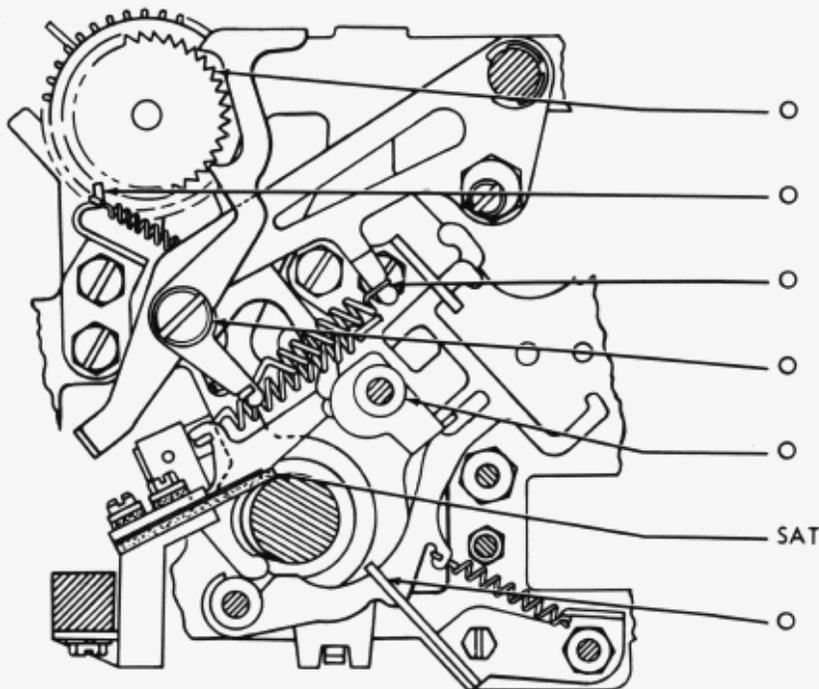
LOCKING BAIL
SPRING

2.09 Tape Sensing and Feed Mechanism (Continued)



LEFT SIDE VIEW

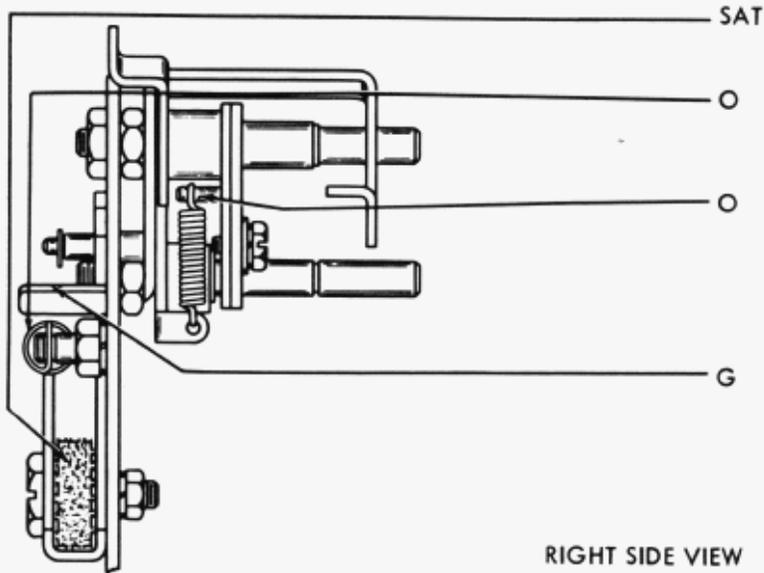
- | | |
|------------------|------------------------|
| EACH FELT WASHER | MAIN BAIL PIVOTS |
| FELT WASHER | BAIL ECCENTRIC POST. |
| SLIDING SURFACES | TRANSFER LEVERS |
| EACH LOOP | TRANSFER LEVER SPRINGS |
| EACH LOOP | LOCKING BAIL SPRING |



REAR VIEW

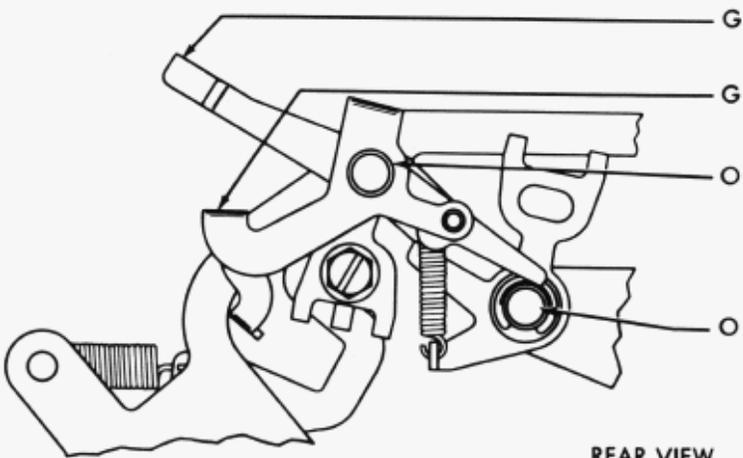
- | | |
|------------------|-----------------------------|
| TEETH | FEED PAWL AND RATCHET WHEEL |
| EACH LOOP | MAIN BAIL SPRING |
| EACH LOOP | FEED PAWL SPRING |
| SLIDING SURFACE | FEED PAWL PIVOT |
| ENGAGING SURFACE | LOCKING BAIL |
| LEATHER WICK | CAM OILER |
| SLIDING SURFACE | TRANSFER LEVERS |

2.10 Tight Tape Mechanism



RIGHT SIDE VIEW

- | | |
|------------------|----------------------------------|
| FELT WASHER | RATCHET DETENT BAIL |
| BOTH LOOPS | DETENT BAIL SPRING |
| BOTH LOOPS | TIGHT-TAPE ARM SPRING |
| ENGAGING SURFACE | CONTROL LEVER BAIL EXTENSION ARM |



REAR VIEW

- | | |
|------------------|--------------------|
| ENGAGING SURFACE | TIGHT-TAPE ARM |
| ENGAGING SURFACE | CONTROL LEVER BAIL |
| BEARING SURFACE | CONTROL LEVER BAIL |
| BEARING SURFACE | YIELD ARM |

3. VARIABLE FEATURES

3.01 Auxiliary No. 2 Contact Assembly

