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 over-lubrication, 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:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Apply 1 drop of oil.</td>
</tr>
<tr>
<td>02</td>
<td>Apply 2 drops of oil.</td>
</tr>
<tr>
<td>03</td>
<td>Apply 3 drops of oil.</td>
</tr>
<tr>
<td>06</td>
<td>Apply 6 drops of oil.</td>
</tr>
<tr>
<td>G</td>
<td>Apply a film of grease.</td>
</tr>
<tr>
<td>SAT</td>
<td>Saturate with oil.</td>
</tr>
<tr>
<td>FILL</td>
<td>Fill cavity full.</td>
</tr>
</tbody>
</table>

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

BOTTOM VIEW

O BEARING SURFACE TIGHT-TAPE BAIL

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

SAT FELT WASHERS
SAT FELT WASHER
ENGAGING SURFACE
G ENGAGING SURFACE

RIGT SIDE VIEW

LATCH LEVER SPRING
CLUTCH TRIP BAIL
TRIP LEVER SPRING
ARMATURE BAIL
TRIP LEVER
ARMATURE SPRING

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

O
CAMMING SURFACES
SLEEVE

O3
CAMMING SURFACE
CLUTCH DISK

O2
CAMMING SURFACE
DRIVE ARM CAM

SAT
LEATHER WICK
CAM OILER

FILL
RESERVOIR
CAM OILER

FRONT VIEW

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

2.08 Tape Sensing and Feed Mechanism
2.10 Tight Tape Mechanism

![Right Side View Diagram]

- **SAT**
- **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 Diagram]

- **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

[Diagram with labeled parts: CONTACT SURFACE, INSULATOR, PIVOT POINT, CAM FOLLOWER, EACH LOOP, SPRING, CAM SURFACE, AUXILIARY NO. 2 CONTACT CAM, FRONT VIEW]