1. GENERAL

1.01 This section provides the lubrication procedures for the maintenance of the 28E and 28H-type transmitter-distributor units.

1.02 Lubrication of the apparatus before it is placed in service should be governed by the principles given in the section covering preparation of teletypewriter apparatus for installation. After that, because of varying conditions at each station, the apparatus should be lubricated as often as specified by local instructions. The following lubrication intervals are suggested as a guide for use under normal operating conditions.

<table>
<thead>
<tr>
<th>Operating Speed (Words per Minute)</th>
<th>Lubrication Interval (Whichever Occurs First)</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>3000 Hours or 1 Year</td>
</tr>
<tr>
<td>75</td>
<td>2400 Hours or 9 Months</td>
</tr>
<tr>
<td>100</td>
<td>1500 Hours or 6 Months</td>
</tr>
</tbody>
</table>

1.03 The lubricants to be used and their methods of application are those specified in the section covering general lubrication of teletypewriter apparatus. The lubrication symbols used herein are the same as those given in that section except
that the symbol 0 which, according to the general lubrication section, indicates one or two drops of oil, is used in this section to mean only one drop of oil. Symbols, such as 02, 03, or 06, are used herein to specify that two, three, or six drops, respectively, are to be applied at the points indicated.

1.04 The photographs in this section show the paragraph numbers referring to particular line drawings of mechanisms and the location of the 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 upright position, the apparatus should be turned to a position in which the part is more accessible.
2. PARTS TO BE LUBRICATED

A. Transmitter-Distributor Unit

2.01 Tape-guide Plate
2.03 Tape-guide Plate

- **G** DETENT TEETH
- **SAT** FELT WASHER
- **START-STOP LEVER** TAPE LID SHAFT
- **BEARING SURFACE**
- **EACH LOOP**
- **START-STOP DETENT BAIL** TAPE LID RELEASE BAIL
- **LATCHING SURFACE** TAPE LID LATCH
- **EACH LOOP** TAPE LID LATCH SPRING
2.05 Signal-contact Assembly

NOTE: THE MARKING "DO NOT OIL" ON THE SIGNAL-CONTACT BOX SHOULD BE INTERPRETED LITERALLY. PORTIONS OF THE MECHANISM SHOULD BE GREASED AS INDICATED, BUT NO OIL SHOULD BE USED.
2.06 Clutch-trip Assembly

Each loop

SLOT

Each loop

FELT WASHERS

ENGAGING SURFACE

Each loop

LATCH LEVER SPRING

CLUTCH TRIP BAIL

TRIP LEVER SPRING

ARMATURE BAIL

TRIP LEVER

ARMATURE SPRING
2.08 Main Shaft, Oil Reservoir, and Center-plate Assemblies
2.10 Center-plate Assembly

- SAT
- FELT WASHER
- RATCHET DETENT BAIL
- BOTH LOOPS
- DETENT BAIL SPRING
- BOTH LOOPS
- TIGHT TAPE ARM
- ENGAGING SURFACE
- START-STOP BAIL EXTENSION
2.12 Front Plate Assembly
2.14 Sensing and Feed Mechanism

- Shaft
- Feed Wicks
- Feed Wheel
- Feed Wheel Bearing
- Sensing Pins
- Sensing Guide Post
- Sliding Surface
- Locking Guide Post
- Locking Bail
- Locking Bail Spring
- Both Loops
2.15 Transfer Mechanism

- EACH FELT WASHER
- MAIN BAIL PIVOTS
- WASHER PIVOTS
- BAIL DRIVE POST
- SLIDING SURFACE
- TRANSFER BAIL
- LEATHER PAD
- SAT
- TRANSFER LEVERS
- SAT
- SLIDING SURFACES
- LOOP LEVER SPRINGS
- Loop Lever SPRINGS
- EACH LOOP
- TRANSFER LEVER SPRINGS
- Locking BAIL SPRING
- EACH LOOP
- Locking BAIL SPRING
- SAT
- EACH LOOP
2.16 Transfer Mechanism

- TEETH
- FEED PAWL AND RATCHET WHEEL

- EACH LOOP
- TRANSFER LEVER SPRINGS

- EACH LOOP
- FEED PAWL SPRING

- SLIDING SURFACE
- FEED PAWL PIVOT

- ENGAGING SURFACE
- LOCKING BAIL

- SAT
- FELT WASHER
- LOCKING BAIL

- SLIDING SURFACE
- TRANSFER LEVERS
B. Auxiliary Features

2.17 *Split-bail Code Reading Contacts* (When Equipped With Multiple Wire Output Facilities)

- **BEARING SURFACE**
- **BEARING SURFACE (EACH END)**
- **EACH LOOP CONTACT SURFACE**
- **SPRING INSULATOR**
- **SPLIT BAIL ROLLER**
- **SPLIT BAIL**
- **SPRING INSULATOR**
2.18 **Timing Bail** (When Equipped With Tabulator Control)
3. ASSOCIATED BELL SYSTEM PRACTICES

3.01 Other Bell System Practices that may be required in connection with this section are listed in Section P34.001, Alphabetical Index of 28-type Equipment, Bell System Practices, and Associated 28 ASR Station Drawings.