1. GENERAL ................................. 1.01-1.02
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   B. Sequence Selector Base, Motor, and Gears .... 2.18-2.19
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1. GENERAL

1.01 This section contains the specific lubrication procedures for the 28 sequence selector unit, base, gears, and motor. The material herein, together with the section entitled Teletypewriter Apparatus, Lubrication, General Information and Routines, provides the complete lubrication information for maintenance. The lubrication symbols used herein are the same as those in the general section. However, the simple symbol 0 is used in this section to mean only one drop of oil. Symbols, such as 02, 03, or 04, are used herein to specify that two, three, or four drops respectively are to be applied at the points indicated.

1.02 The apparatus should be lubricated before being placed in service, as specified in the section entitled Preparation of Teletypewriter Apparatus for Installation. After a few weeks in service, it should be relubricated to make certain that all specified points have lubricant. Thereafter, because of varying conditions, at each station, the apparatus should be lubricated as often as specified by the local instructions. The following lubrication interval is suggested as a guide for use under normal operating conditions.

<table>
<thead>
<tr>
<th>Operating Speed (Words per Minute)</th>
<th>Lubricating Interval (Whichever Occurs First)</th>
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</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>
2. LUBRICATION DETAILS
   A. Sequence Selector Unit
   2.01 Sequence Selector Unit, Right-side View
2.03 Codebar-positioning Mechanism

- 02 Guide Slots
- 02 Engaging Surface
- 02 Bearing Guide Slots (6 Slots)
- 02 Roller Bearings (4 Rollers)
- SAT Felt Washers (2 Washers)
- 00 Hooks—Each End (5 Springs)
- 02 Guide Slots (5 Slots)
- 02 Bearing Surfaces (2 Places)
- 02 Bearing Guide Slots (5 Slots)
- SAT Felt Washer
- 03 Oil Hole

- Shift Levers
- Shift and Transfer Levers
- Transfer Lever Guide Bearing
- Shift Lever Link Rollers
- Shift Lever Link Shaft
- Spring
- Intermediate Arms and Transfer Levers
- Shift Levers
- Intermediate Arm Guide Bearing
- Shift Lever Link
- Shift Lever Drive Arm Shaft
2.04 Selector Mechanism

- **BEARING GUIDE SLOTS (5 SLOTS)**
- **FELT WICK**
- **ENGAGING SURFACES (5 LEVERS)**
- **GUIDE SLOT**
- **WICK**
- **GUIDE SLOTS**
- **HOOKS—EACH END (12 SPRINGS)**
- **FILL CUP**
  - (AVOID AIR LOCK)
- **BEARING GUIDE SLOTS (6 SLOTS)**
- **PUSH LEVER GUIDE BEARING**
- **SELECTOR WICK**
- **PUSH LEVERS**
- **MARKING LOCK LEVER**
- **LUBRICATOR WICK**
- **SELECTOR AND PUSH LEVERS**
- **SPRINGS**
- **LUBRICATOR RESERVOIR**
- **SELECTOR LEVER GUIDE BEARING**
2.07 Main Shaft

![Diagram of Main Shaft Gear and Bearing](image-url)
2.08 Main Shaft

SAT FELT WASHER
(2 WASHERS)

ECCENTRIC FOLLOWER ARM
BEARINGS

04 INTERNAL MECHANISM
(2 CLutches)

SAT FELT WICKS

CLUTCH ASSEMBLY

02 BEARING SURFACES
(2 CAMS)

ECCENTRIC FOLLOWER
ARM CAMS

02 CAMMING SURFACE

FUNCTION CAM

02 BALL BEARING

MAIN SHAFT BEARING

02 BEARING SURFACES
(2 CLutches)

CLUTCH SLEEVE

02 CAMMING SURFACES
(3 DISKS)

CLUTCH DISKS
2.09 Selector Cam Clutch

- SAT FELT WASHERS (2 WASHERS)
- 02 CAMMING SURFACES
- 04 INTERNAL MECHANISM SAT FELT WICK
- 02 CAMMING SURFACE - EACH CAM
- SELECTOR CAM ASSEMBLY
- CLUTCH DISK
- SELECTOR CLUTCH
- SELECTOR CAM
2.10 Tripshaft

- 02 Engaging Surfaces (2 Levers)
- 02 Engaging Surfaces (2 Levers)
- 0 Hooks—Each End (3 Springs)
- Sat Felt Washer and Wick
- Sat Felt Washers (4 Washers)
- Clutch Trip Lever
- Clutch Latch Lever
- Springs
- Cam Follower
- Arm Roller
- Clutch Trip Lever Shaft
2.11 Function-reset Bail Mechanism

- 0 Hooks - Each End (2 Springs)
- SAT Felt Wicks (2 Springs)
- SAT Felt Washers (2 Bearings)
- 02 Bearings (3 Rollers)
- SAT Felt Washers (Each End)
- SAT Felt Washers (2 Pivots)
- G Engaging Surface
- SAT Felt Washer
- SPRINGS
- SPRINGS
- CAM SHAFT
- FUNCTION BAIL ROLLERS
- DRIVE LINK
- FUNCTION BAR
- RESET BAIL
- FUNCTION CAM ROLLER
- CAM ROLLER
- BRACKET LINK
2.12 Stripper Bail Mechanism

- 02 BEARING SURFACES (2 BEARINGS)
- SAT FELT WASHERS (4 WASHERS)
- G ENGAGING SURFACES (2 ARMS)
- G ENGAGING SURFACES (EACH ARM)
- 02 GUIDE SLOTS
- 02 GUIDE SLOTS
- 02 GUIDE SLOTS
- SAT EACH FELT WICK
- 0 HOOKS-EACH END
- 02 ENGAGING SURFACES (FRONT AND REAR)
- G CAMMING SURFACES (2 CAMS)
- SAT FELT WASHER
- CAM ARMS
- DRIVING CAM
- SAT FELT WASHER
- DRIVING ARM
- FUNCTION PAWLS
- FUNCTION LEVERS
- FUNCTION BARS
- FUNCTION PAWL SPRINGS
- SPRING
- FUNCTION BARS
- DRIVING CAM
- STRIPPER BLADE
2.13 Stripper Blade

- 02 GUIDE SURFACES (EACH END)
- G ENGAGING SURFACES (2 PLACES)
- STRIPPER BLADE
2.14 Codebar-positioning Mechanism

02 ENGAGING SURFACES  CODE BAR FORKS

02 ROLLER AND PIVOT  FUNCTION SLIDE

02 SLIDING SURFACES  FUNCTION SLIDES

0 ENGAGING SURFACES  FUNCTION SLIDES
2.15 Codebar Mechanism

- 02 GUIDE SLOT
  (RIGHT, CENTER AND LEFT 9 BARS)

- 0 HOOKS EACH END (3 PLACES)

- CODE BARS

- SPRING
2.16 Codebar Mechanism

02 BEARING BALLS (9 BALLS)

CODE BAR DETENT
2.17  Front Bellcrank

02 ENGAGING SURFACES (2 PLACES)  FRONT BELL CRANK

02 BEARING SURFACE  FRONT BELL CRANK

0 HOOKS - EACH END  SPRING
2.19 Gears

Note: For detailed lubrication information of the motor unit, refer to section entitled 28 Motor, Lubrication.
C. Variable Features

2.20 Universal Contacts (Make-Break)

- O2 BEARING SURFACE
- G SURFACE
- G LATCHING SURFACE
- G ENGAGING SURFACE
- O HOOKS - EACH END
- O BEARING SURFACE
- LATCH CAM
- CAMS
- LATCH LEVER
- INSULATOR
- SPRING
- LATCH LEVER
### 3. ASSOCIATED BELL SYSTEM PRACTICES

3.01 The following Bell System Practices provide additional information that may be required in connection with this section.

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<td>P30.011</td>
</tr>
<tr>
<td>Teletypewriter Apparatus, General Requirements and Procedures</td>
<td>P30.012</td>
</tr>
<tr>
<td>Teletypewriter Apparatus, Disassembly and Reassembly, General Information and Routines</td>
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</tr>
<tr>
<td>Teletypewriter Tools and Maintenance Supplies</td>
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</tr>
<tr>
<td>Teletypewriter Apparatus, Preparation of Apparatus for Installation</td>
<td>P33.014</td>
</tr>
<tr>
<td>Alphabetical Index of 28-type Equipment, Bell System Practices, and Associated 28 ASR Station Drawings</td>
<td>P34.001</td>
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