28 TYPING REPERFORATOR BASE
(RECEIVING-ONLY BASE AND KEYBOARD
SENDING-RECEIVING BASE)
LUBRICATION

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1. GENERAL

1.01 This section contains the specific lubrication procedures
   for the following 28 typing reperforator bases:
   (a) Typing reperforator receiving-only (RO) base, usually
       referred to as Base.
   (b) Typing reperforator keyboard sending-receiving (KSR)
       base, commonly known as Keyboard.

The material herein, together with the section containing the
general lubrication routines on teletypewriter apparatus, pro-
vides the complete lubrication information for maintenance. The
lubrication symbols used herein are the same as those used in
the general section. However, the symbol 0 is used in this
section to mean only one drop of oil. Symbols, such as O2, O3,
O4, or O20, are used to indicate respectively two, three, four, or
twenty drops of oil.

1.02 The apparatus should be lubricated before being placed
   in service, as specified in the section covering the
   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 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>Lubricating Interval (Whichever Occurs First)</th>
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<tbody>
<tr>
<td>60</td>
<td>3000 hours or 1 year</td>
</tr>
<tr>
<td>75</td>
<td>2400 hours or 9 months</td>
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<tr>
<td>100</td>
<td>1500 hours or 6 months</td>
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2. LUBRICATION DETAILS FOR THE 28 TYPING REPERFORATOR RECEIVING-ONLY (RO) BASE

2.01 Single-mounted RO Base (Rear View)
2.02 Low-tape Alarm Switch Mechanism (Right-side View)

- PIVOT POINT (2)
- TAPE LEVER
- HOOKS - EACH END (2 SPRINGS)
- SPRINGS
- PIVOT POINT
- SWITCH LEVERS (2)
Variable Speed Drive Mechanism (Top View)
2.05 Variable-speed Drive Mechanism (Left-side View)

- DETENT POST
- SLOT
- BEARING SURFACE
- SAT
- FELT WASHER
- GUIDE LEVER
- GUIDE LEVER
- GUIDE LEVER
- PILOT SCREW
- ROLLER
2.06 Low-tape Alarm Switch Mechanism for Multiple-mounted and Auxiliary-mounted RO Bases
3. LUBRICATION DETAILS FOR THE 28 TYPING REPERFORATOR KEYBOARD SENDING-RECEIVING (KSR) BASE

Note: The apparatus should be in upright position for lubrication.

3.01 Spacebar Mechanism
Key Lever Mechanism

Key Top Levers

Face (36 Levers)

Engaging Sur-
Break Lever Mechanism

0 ENGAGING SURFACE
0 BEARING SURFACE
G CONTACT SURFACE

BREAK KEY LEVER
FUNCTION LEVER
BREAK LEVER
3.04 Codelever Mechanism

- G CONTACTING SURFACE (32 LEVERS)
- O GUIDE SLOTS (32 LEVERS)
- SAT FELT WASHERS (6 WASHERS)
- O BEARING SURFACE (32 WEDGES)
- O HOOKS-EACH END (40 SPRINGS)

- CODE LEVER UNIVERSAL BAIL
- CODE LEVERS
- CODE LEVER SHAFT
- LOCK BALL TRACK
- SPRING
3.05 Codebar Mechanism (Rear View)

HOOKS-EACH END (7 SPRINGS)

GUIDE SLOTS (LEFT AND RIGHT-TOP AND BOTTOM)

CODE BAR GUIDES
Box

G  ENGAGING SURFACE

O  HOOKS-EACH END

CONTACT TOGGLE

SPRING

DISASSEMBLY: REMOVE NUT AND LOCK WASHER SECURING CONTACT BOX COVER AND REMOVE COVER.
3.08 Transfer Bail Mechanism

SAT
FELT WASHERS (2 WASHERS)
LATCHES

G
ENGAGING SURFACE
TRANSFER BAIL

0
HOOKS-EACH END (2 SPRINGS)
SPRING

02
BEARING SURFACE
TRANSFER BAIL

SAT
OIL WICK
TRANSFER BAIL
Transfer Lever Mechanism

- GUIDE SLOTS
- HOOKS - EACH END (7 SPRINGS)
- GUIDE SLOTS
- FELT WASHERS (4 WASHERS)
- SAT
- GUIDE SLOTS
- TRANSFER LEVERS (7 LEVERS)
- SPRING
- TRANSFER LEVERS (7 LEVERS)
- CAMMING SURFACES
- TRANSFER LEVERS (7 LEVERS)
3.10 Function Clutch Mechanism

- LATCHING SURFACE
- HOOKS-EACH END (2 SPRINGS)
- FELT WASHERS (2 FRONT & REAR)
- CLUTCH STOP LEVER AND CLUTCH LATCH LEVER
- SPRING
- CLUTCH TRIP BAIL
3.11 Local Tape Feed-out Mechanism

- GUIDE SLOT
- LOCAL LINE FEED TRIP LINK
- BEARING SURFACE
- LOCAL LINE FEED FUNCTION LEVER
- HOOKS-EACH END
- SPRING
- BEARING SURFACE
- FUNCTION BAIL
- ENGAGING SURFACE
- LOCAL LINE FEED FUNCTION LEVER
3.12 Shaft Mechanism

SAT FELT WASHER
G GEAR TEETH
O20 OIL HOLE
04 INTERNAL MECHANISM
SAT FELT WICK
O20 OIL HOLE
02 CAMMING SURFACE EACH CAM
SAT FELT WASHER

SIGNAL GENERATOR SHAFT
SIGNAL GENERATOR SHAFT
SIGNAL GENERATOR SHAFT
KEYBOARD CLUTCH
SIGNAL GENERATOR CAM
SIGNAL GENERATOR CAM
SIGNAL GENERATOR SHAFT
3.13 Intermediate Gear Mechanism

- Intermediate Gears
- Intermediate Gear Shaft
- Teeth (2 Gears)
- Ball Bearing (2 Bearings)
3.14 Universal Bail Latchlever (Right-side View)

- HOOKS (EACH END)
- FEEL WASHERS
- GUIDE SLOT (EACH SIDE OF SLOT)
- ENGAGING SURFACE
- SPRING
- UNIVERSAL BAIL LATCH LEVER
- UNIVERSAL BAIL LATCH LEVER
- RESET BAIL LATCH
US Locking Bail Mechanism

- Hooks - Each End
- Felt Washers (2 Washers - Front and Rear)
- Felt Wick
- Guide Slots (3 Slots)
- Spring
- Locking Bail Post
- Camming Surfaces
- Locking Bail
3.16 Codebar Bail Mechanism

- Felt Washers (Two Washers)
- Bearing Surface (2 Places)
- Hooks—Each End (2 Springs)
- Felt Washer
- Bearing
- Bearing Surface
- Engaging Surface
- Codebar Bail
- Codebar Bail Latch
- Codebar Bail
- Codebar Bail Latch
- Spring
- Eccentric Follower
541 BalL
CODE LEVER UnIVER-
BEARING SURFACE
HOLKS-EACH END
SPRING

3.17 Codelever Universal Ball Mechanism
3.19 Electrical Line-break Mechanism

- Hooks—Each End
- Spring
- Contact Surface
- Sensitive Switch
- Bearing Surface
- Break Lever
Repeat-on-Space Mechanism

- Hook(s) - each end
- Spring
- Bearing surface - each end
- Engaging surfaces
- Lever
3.21 Tape-out Switch Mechanism

- HOOKS-EACH END (2 SPRINGS)
- BEARING SURFACE (FRONT AND REAR)
- CONTACT SURFACE
- BEARING SURFACE
- SPRINGS
- TAPE LEVER
- SWITCH LEVER
3.22 Character Counter Mechanism

- Engaging Surface
- Bearing Surface
- Hooks - Each End
- Bearing Surface
- Bearing Surface
- Counter Scale Bracket
- Indicator Cord Pulley
- Spring
- Ratchet Latch Lever
- Ratchet Drive Lever
3.23 Character Counter Mechanism

- CONTACT SURFACE
- BEARING SURFACE
- BEARING SURFACE
- BEARING SURFACE
- ENGAGING SURFACES (2 PLACES)
- HOOKS-EACH END (3 SPRINGS)
- ENGAGING SURFACES (3 SURFACES)
- ANTIBOUNCE LATCH
- ANTIBOUNCE LATCH
- RATCHET DRUM
- RATCHET
- RESET LEVER EXTENSION
- SPRING
- RESET BAIL
- DRIVE LEVER FEED BAIL
- DRIVE LEVER FEED BAIL & RESET BAIL
4. ASSOCIATED BELL SYSTEM PRACTICE

4.01 The following Bell System Practice provides additional information that may be required in connection with this section.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Section</th>
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</thead>
<tbody>
<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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