## 35 NON-TYPING REPERFORATOR

### LUBRICATION

#### CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. GENERAL</td>
<td>1</td>
</tr>
<tr>
<td>2. LUBRICATION</td>
<td>1-10</td>
</tr>
<tr>
<td>Feed mechanism</td>
<td>4</td>
</tr>
<tr>
<td>Function cam-clutch trip mechanism</td>
<td>9</td>
</tr>
<tr>
<td>Main and jack shaft mechanisms (two shaft units)</td>
<td>9</td>
</tr>
<tr>
<td>Main shaft</td>
<td>8</td>
</tr>
<tr>
<td>Manual backspace mechanism</td>
<td>5</td>
</tr>
<tr>
<td>Non-typing reperforator (left front view)</td>
<td>2</td>
</tr>
<tr>
<td>Non-typing reperforator (left rear view)</td>
<td>7</td>
</tr>
<tr>
<td>Perforator mechanism</td>
<td>3</td>
</tr>
<tr>
<td>Power drive backspace mechanism</td>
<td>5</td>
</tr>
<tr>
<td>Punch mechanism</td>
<td>4</td>
</tr>
<tr>
<td>Range finder mechanism</td>
<td>8</td>
</tr>
<tr>
<td>Rocker arm</td>
<td>10</td>
</tr>
<tr>
<td>Rocker bail mechanism</td>
<td>10</td>
</tr>
<tr>
<td>Selector cam-clutch</td>
<td>6</td>
</tr>
<tr>
<td>Selector mechanism</td>
<td>6</td>
</tr>
</tbody>
</table>

1. **GENERAL**

1.01 This section is reissued to include recent engineering changes.

1.02 This section provides lubrication information for the 35 Non-Typing Reperforator. General areas of the equipment are shown by photographs. Specific points to receive lubricant are indicated by line drawings and descriptive text. The symbols in the text indicate the following directions:

- **O** Apply one drop of oil.
- **O2** Apply two drops of oil.
- **O3** Apply three drops of oil, etc.
- **G** Apply thin coat of grease.
- **SAT** Saturate with oil. (Felt washers, etc.)

KS7470 oil and KS7471 grease should be used as shown above. Beacon 325 grease (TP195298) should be used where indicated on drawings.

1.03 The equipment should be thoroughly lubricated, but over-lubrication which might allow oil to drop or grease to be thrown on other parts should be avoided. Special care should be exercised to prevent lubricant from getting between armature and pole faces or between electrical contact points.

1.04 The following general instructions supplement the specific lubricating points illustrated on subsequent pages. Where specific instructions are applicable to one-shaft or two-shaft units, this is noted in the instructions.

- Apply one drop of oil to all spring hooks.
- Apply a light film of oil to all cam surfaces.
- Apply a thick coat of grease to all gears.
- Saturate all felt washers, oilers, etc.
- Apply oil to all pivot points.
- Apply oil to all sliding surfaces.

1.05 All equipment should be lubricated before being placed in service or prior to storage. After a few weeks of service, re-lubricate to make certain that all specified points have received lubricant. Thereafter, the following schedule should be adhered to:

<table>
<thead>
<tr>
<th>Operating Speed</th>
<th>Lubrication Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>60 W.P.M.</td>
<td>3,000 hours or 1 year*</td>
</tr>
<tr>
<td>75 W.P.M.</td>
<td>2,400 hours or 9 months*</td>
</tr>
<tr>
<td>100 W.P.M.</td>
<td>1,500 hours or 6 months*</td>
</tr>
</tbody>
</table>

*Whichever comes first.
2. LUBRICATION

2.01 Non-Typing Reperforator (Left Front View)
2.04 Punch Mechanism

- O SLIDING SURFACE (9) (UPPER GUIDE)
- PUNCH PIN
- O SLIDING SURFACE (9) (LOWER GUIDE)
- PUNCH PIN
- O SLIDING SURFACE (9)
- PUNCH PIN
- O HOOKS-EACH END
- SPRING

2.05 Feed Mechanism

- O RATCHET TEETH (2)
- FEED WHEEL
- SAT
- PIVOT POINT (FELT WASHER)
- FEED WHEEL
- SAT
- PIVOT POINT (FELT WASHER)
- DIE WHEEL
- O2
- PIVOT POINTS (2)
- HANDWHEEL BEARING
2.06 Manual Backspace Mechanism

02 BEARING SURFACE
0 HOOKS-EACH END
G CONTACT SURFACE
0 HOOKS-EACH END
(3 SPRINGS)
0 BEARING SURFACE

BEARING SURFACE
FEED PAWL
PAWL SPRING
FEED PAWL
SPRING
BELL CRANK

2.07 Power Drive Backspace Mechanism

02 BEARING SURFACE
02 SLIDING SURFACE
02 BEARING SURFACE
02 ROTATING SURFACE
02 BEARING SURFACE
0 HOOKS-EACH END
(2 SPRINGS)

BEARING SURFACE
LINK
ECCENTRIC DRIVE
ARM FORK
ARM
ECCENTRIC
Armature Bail
Springs
2.08 Selector Mechanism

- BEARING GUIDE SLOTS (8 SLOTS)
- PUSH LEVER GUIDE BEARING
- SELECTOR WICK
- TIP OF ARMATURE EXTENSION
- ENGAGING SURFACE
- PUSH LEVERS
- ENGAGING SURFACES (5 LEVERS)
- MARKING LOCK LEVER
- GUIDE SLOT
- SELECTOR LUBRICATOR ASSEMBLY
- OIL CUP
- SELECTOR AND PUSH LEVERS
- GUIDE SLOTS
- SELECTOR SPRINGS
- HOOKS - EACH END (14 SPRINGS)
- SELECTOR AND LOCK LEVER GUIDE SLOTS
- BEARING GUIDE SLOTS

2.09 Selector Cam-Clutch

- INTERNAL MECHANISM
- SELECTOR CLUTCH
- FELT WICK
- SELECTOR CLUTCH
- OIL HOLES - 2
- CAM SLEEVE BEARING
- CAMMING SURFACES
- SELECTOR CAM SLEEVE
- CAMMING SURFACE
- CLUTCH DISK
2.10 Non-Typing Reperforator (Left Rear View)
2.11 Range Finder Mechanism

G TEETH
KNOB
G TEETH
RACK
SAT FELT WASHERS (2)
CLUTCH STOP ARM
O HOOKS - EACH END
SPRING

2.12 Main Shaft Mechanism

IF FUNCTION CAM NEEDLE BEARINGS ARE DISASSEMBLED AT ANY TIME, REPACK BEARINGS WITH GREASE (BEACON 325) (TP195298) OR ITS EQUIVALENT

FUNCTION CAM NEEDLE BEARING SLEEVE (3)
BOTH ENDS OF SLEEVE AND OIL HOLE IN SLEEVE

O6
O2 CAM SURFACES (EACH CAM)
SELECTOR CAM
O2 BEARING
MAIN SHAFT
O2 ROLLER PIVOT
FUNCTION CAM
O2 BEARING
MAIN SHAFT
G TEETH
DRIVEN GEAR
2.13 Main and Jack Shaft Mechanisms (Two Shaft Units)

*IF FUNCTION CAM NEEDLE BEARINGS ARE DISASSEMBLED AT ANY TIME, REPACK BEARINGS WITH GREASE (BEACON 325) (TP195298) OR ITS EQUIVALENT.

2.14 Function Cam-Clutch Trip Mechanism
2.15 Rocker Bail Mechanism

2.16 Rocker Arm