35 TYPING REPERFORATOR

LUBRICATION

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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.)
L  Apply lubricate.

KS7470 oil and KS7471 grease should be used.

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 armatures and pole faces or between electrical contact points.

1.04 The following general instructions supplement the specific lubricating points illustrated on subsequent pages:

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, relubricate 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>3000 hours or 1 year*</td>
</tr>
<tr>
<td>75 W.P.M.</td>
<td>2400 hours or 9 months*</td>
</tr>
<tr>
<td>100 W.P.M.</td>
<td>1500 hours or 6 months*</td>
</tr>
</tbody>
</table>

*Whichever occurs first.

2. BASIC UNIT

2.01 Typing Reperforator (Left Front View)
2.02 Ribbon Feed Mechanism

- HOOKS (2)
- SPRING
- PIVOT POINT
- FEED PAWL
- PIVOT
- CHECK PAWL
- PIVOT POINTS (2)
- REVERSING ARM
- CONTACTING SURFACE
- DRIVE ARM ADJUSTABLE EXTENSION
- SAT
- DRIVE ARM ROLLER
- FELT WASHER

2.03 Ribbon Feed Mechanism (continued)

- HOOKS (2)
- SPRINGS (2)
- TEETH
- RATCHET WHEEL
- SHAFT
- ROLLERS (2)
- SHAFT, FELT WASHERS
- RATCHET WHEEL
- PIVOT
- DETENT
- CONTACTING SURFACES
- DETENT
- UPPER AND LOWER BUSHING
- SLIDE LEVER
- PIVOT
- DRIVE ARM
2.04 Perforator Mechanism

05 Perforator Mechanism (continued)
2.06 Punch Mechanism

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

2.07 Feed Mechanism

- RATCHET TEETH (2)
- FEED WHEEL
- SAT
- PIVOT POINT (FELT WASHER)
- FEED WHEEL
- PIVOT POINT (FELT WASHER)
- DIE WHEEL
- SAT
- PIVOT POINTS (2)
- HANDWHEEL BEARING
2.08 Rotary Positioning Mechanism

- G
- O
- PIVOT POINT
- O2
- PIVOT POINTS (7)
- SAT
- HOOKS - EACH END
- CONTACT POINTS
- PIVOT POINTS (3)
- G
- SAT
- O2
- SLIDING SURFACE
- O2
- ROTARY OUTPUT RACK
- OIL HOLE
- ROTARY OUTPUT TYPE WHEEL HOUSING
- SPECIAL TEETH
- ROTARY OUTPUT RACK
- PIVOT POINT
- ROTARY CORRECTING LEVER SHAFT
- CONNECTING RODS
- DETENT LEVERS (8)
- SPRINGS (4)
- DETENT LEVERS (8)
- CROSS LINKS
- ROTARY OUTPUT RACK

2.09 Selecting Mechanism

- O2
- SAT
- O
- O2
- O2
- O2
- O2
- O2
- WICK
- LUBRICATOR WICK
- FILL UP (AVOID AIRLOCK)
- LUBRICATOR RESERVOIR
- HOOKS - EACH END (12)
- SPRINGS
- BEARING GUIDE SLOTS (6)
- SELECTOR LEVER GUIDE
- GUIDE SLOTS
- SELECTOR AND PUSH LEVER GUIDE
- ENGAGING SURFACES (5)
- PUSH LEVERS
- MARKING LOCK LEVER
- FEEL WICK
- SELECTOR WICK
- BEARING GUIDE SLOTS (5)
- PUSH LEVER GUIDE
2.10 Range Finder Mechanism

2.11 Main Shaft Mechanism

- SAT FELT WASHERS (2)
- CLUTCH STOP ARM
- O HOOKS - EACH END
- SPRING

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

- CAM SURFACES (EACH CAM)
- SELECTOR CAM

- ROLLER PIVOT
- FUNCTION CAM

- BEARING
- TEETH
- MAIN SHAFT DRIVEN GEAR
2.12 Transfer Mechanism

- PIVOT POINTS (8)
- CONTACT SURFACES (8)
- CONTACT POINTS (8) (EACH END)
- HOOKS - EACH END
- PULSE BEAMS
- TRANSFER LEVERS
- PULSE BEAMS
- SPRING
- TRANSFER LEVERS
- GUIDE BRACKET

2.13 Push Bars

- G RACK TEETH (7)
- CONTACT SURFACES (7)
- CONTACT SURFACES (6)
- PUSH BARS

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2.14 Typing Reperforator (Right Rear View)
2.15 Function Box

- Sliding Surfaces (Each Side)
- Contact Points (2)
- Hooks - Each End
- Pivot Point
- Roller Surface
- Hooks - Each End
- Hooks - Each End
- Pivot Point
- Pivot Points (6)

Function Blades
Function Blades
Function Blades
Function Blade Springs (2)
Lifter Roller
Lifter Roller
Lifter Toggle Link Spring
Lifter Spring
Function Blade Lifter
Bell Cranks
2.16 Axial Positioning Mechanism

- G SLIDING GUIDE SURFACES
- O HOOKS - EACH END
- O PIVOT POINT
- G CONTACT POINTS
- O2 PIVOT POINT
- O PIVOT POINT
- G TEETH
- G CONTACT SURFACE
- SAT PIVOT POINT (FELT WASHERS)
- O PIVOT POINT
- SAT PIVOT POINT (FELT WASHER)
- G TEETH
- CORRECTING DRIVE LINK
- SPRING
- AXIAL OUTPUT RACK
- ROTARY CORRECTING CLAMP
- ROTARY CORRECTING LEVER SHAFT
- AXIAL CORRECTING PLATE
- AXIAL SECTOR TYPEWHEEL SHAFT
- AXIAL CORRECTING PLATE ROLLER
- OSCILLATING DRIVE BAIL
- AXIAL SECTOR
- GUIDE ROLLER
- AXIAL SECTOR
- AXIAL OUTPUT RACK
2.17 Axial Positioning Mechanism (continued)

2.18 Detent Assemblies

2.19 Ribbon Shift Contact

Page 12
2.20 Printing Mechanism

- G CONTACT SURFACE
- O2 SLIDING SURFACE
- O2 PIVOT POINT
- O2 PIVOT POINTS
- O HOOKS - EACH END
- O HOOKS - EACH END
- O HOOKS - EACH END
- O PIVOT POINT
- O HOOKS - EACH END
- O PIVOT POINTS (2)
- G CONTACT SURFACE

Printing Latch
Printing Trip Link
Printing Latch
Print Hammer
Print Hammer Spring
Hammer Accelerator Spring
Printing Latch Spring
Printing Drive Link
Printing Trip Link Spring
Printing Pivot Arm
Ribbon Feed Eccentric Stud
Push Bar Operating Blade
Push Bar Operating Blade
Correcting Drive Link
Oscillating Drive Link
Cam Follower Roller (Upper and Lower)
Cam Follower Rollers
Printing Drive Link
Rocker Bail
Cam Follower Roller
Function Cam

2.21 Rocker Bail Mechanism

- O PIVOT POINTS
- SAT SLIDING SURFACE (FELT WASHER UNDER BLADE)
- G PIVOT POINT
- O PIVOT POINT
- O ROLLER SURFACE
- O PIVOT POINTS
- O PIVOT POINT
- SAT PIVOT POINT (FELT STRIP)

- O ROLLER SURFACE
- O CONTACT SURFACE

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2.22 Function Cam-Clutch Trip Mechanism

CONTACT POINTS (2) MAIN TRIP LEVER
HOOKS - EACH END CLUTCH RELEASE SPRING
CONTACT SURFACE RESET LEVER
FELT WASHERS CLUTCH TRIP SHAFT
HOOKS - EACH END LATCH LEVER SPRING
CONTACT SURFACE CLUTCH STOP LUG

2.23 Ribbon Shift Magnet

PIVOT POINT FOLLOWER LEVER SPRING
HOOKS - EACH END TRIP CAM FOLLOWER LEVER
PIVOT POINT TRIP CAM FOLLOWER LEVER
CONTACT SURFACE MAIN TRIP LEVER
CONTACT POINT MAIN TRIP LEVER SPRING
CONTACT POINT MAIN TRIP LEVER

PIVOT POINT ARMATURE HINGE
CONTACT POINT DOWNSTOP
CONTACT SURFACES BLOCKING LINK
3. VARIABLE FEATURES

3.01 Manual Backspace Mechanism

- HOOKS - EACH END
- BEARING SURFACE
- FEEDING SURFACE
- BACKSPACE PAWL SPRING
- BACKSPACE PAWL
- BACKSPACE PAWL
- BEARING SURFACE
- NUT, SHOULDER
- BEARING SURFACE
- BELL CRANK
- HOOKS - EACH END
- BELL CRANK SPRING

3.02 Power Drive Backspace Mechanism

- BEARING SURFACE
- SLIDING SURFACE
- ENGAGING SURFACE
- LINK
- ECCENTRIC DRIVE LINK FORK
- LATCH
- ROTATING SURFACE
- BEARING SURFACE
- HOOKS - EACH END
- ECCENTRIC ARM
- ARMATURE LATCH SPRING
- HOOKS - EACH END
- BEARING SURFACE
- ARMATURE BAIL SPRING
- ARMATURE BAIL
3.03 Remote Control Non-Interfering Letters Tape Feed-Out Mechanism

3.04 Remote Control Non-Interfering Letters Tape Feed-Out Mechanism (continued)
3.05 Remote Control Non-Interfering Letters Tape Feed-Out Mechanism (continued)

- HOOKS-EACH END
- BEARING SURFACE
- RELEASE ARM
- SPRING
- HOOKS-EACH END
- BEARING SURFACES (2)
- LATCH LEVER
- TIME DELAY LEVER
- SPRING
- CAMMING SURFACE
- TIME DELAY CAM
- BEARING SURFACE
- TIME DELAY CAM

3.06 Remote Control Non-Interfering Letters Tape Feed-Out Mechanism (continued)

- CAMMING SURFACE
- DRIVE CAM
- CONTACT SURFACE
- RELEASE ARM
- BEARING SURFACE
- ROLLER
- HOOKS-EACH END
- SPRING
- BEARING SURFACES
- BEARINGS (FRONT AND REAR)
3.07 Remote Control Non-Interfering Letters Tape Feed-Out Mechanism (continued)

- Hooks-Each End
- Springs (3)
- Bearing Surface
- Release Lever
- Contact Surfaces (2)
- Latch Lever
- Bearing Surfaces (2)
- Reset Cam Follower

3.08 Remote Control Non-Interfering Letters Tape Feed-Out Mechanism (continued)

- Hooks-Each End
- Springs (2)
- Bearing Surfaces
  (Place Between Ratchets)
- Teeth
- Ratchets (2)
- Hooks-Each End
- Spring
- Pivot Point
- Rear Check Pawl
3.09 Remote Control Non-Interfering Letters Tape Feed-Out Mechanism (continued)
3.10 Remote Control Non-Interfering Letters Tape Feed-Out Mechanism (continued)