1. GENERAL

1.01 This section is reissued to change the format and to add engineering changes for the 35 tape printer. Arrows in the margins indicate changes or additions.

1.02 This section provides lubrication information for the 35 tape printer. 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.

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.

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.
SECTION 574-231-701

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 wpm</td>
<td>3000 hours or 1 year*</td>
</tr>
<tr>
<td>75 wpm</td>
<td>2400 hours or 9 months*</td>
</tr>
<tr>
<td>100 wpm</td>
<td>1500 hours or 6 months*</td>
</tr>
</tbody>
</table>

*Whichever comes first.

2. BASIC UNIT

2.01 Tape Printer (Left Front View)
2.02 Ribbon Feed Mechanism

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

2.03 Ribbon Feed Mechanism cont.

- 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

2.05 Perforator Mechanism (Cont.)
2.06 Feed Mechanism

NOTE: FEED AND PRESSURE WHEEL AREAS MUST BE FREE OF OIL.
SECTION 574-231-701

2.07 Rotary Positioning Mechanism

- TEETH
- OIL HOLE
- SPECIAL TEETH
- PIVOT POINT
- ROTARY OUTPUT RACK
- TYPE WHEEL HOUSING
- ROTARY OUTPUT RACK
- ROTARY CORRECTING LEVER
- ROTARY CORRECTING LEVER SHAFT

- PIVOT POINTS (2)
- PIVOT POINTS (FELT WASHERS)
- CONNECTING RODS
- DETENT LEVERS (8)

- HOOKS - EACH END
- CONTACT POINTS
- PIVOT POINTS (3)
- (FELT WASHERS)
- SPRINGS (4)
- DETENT LEVERS (8)
- CROSS LINKS

- SLIDING SURFACE
- ROTARY OUTPUT RACK

2.08 Selecting Mechanism

- BEARING GUIDE SLOTS (5)
- PUSH LEVER GUIDE

- SAT
- FELT WICK

- O
- HOOKS - EACH END (12)
- SPRINGS
- PUSH LEVERS

- O2
- ENGAGING SURFACES (5)
- MARKING LOCK - LEVER

- O2
- GUIDE SLOT

- O2
- WICK
- LUBRICATOR WICK

- FILL UP (AVOID AIRLOCK)
- LUBRICATOR RESERVOIR

- O
- HOOKS - EACH END (12)
- SPRINGS

- O2
- BEARING GUIDE SLOTS (6)
- SELECTOR LEVER GUIDE

- O2
- GUIDE SLOTS
- SELECTOR AND PUSH LEVER GUIDE
2.09 Range Finder Mechanism

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

2.10 Main Shaft Mechanism

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

- O2 CAM SURFACES (EACH CAM)
- SELECTOR CAM
- FUNCTION CAM

- O2 BEARING
- ROLLER PIVOT
- MAIN SHAFT DRIVEN GEAR

- O2 BEARING
- G TEETH
2.11 Transfer Mechanism

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

2.12 Pushbars

- RACK TEETH (7)
- CONTACT SURFACES (7)
- CONTACT SURFACES (6)
2.13 Tape Printer (Right Rear View)
SLIDING SURFACES (EACH SIDE)

FUNCTION BLADES

CONTACT POINTS (2)

HOOKS - EACH END

PIVOT POINT

ROLLER SURFACE

HOOKS - EACH END

HOOKS - EACH END

PIVOT POINT

FUNCTION BLADES

FUNCTION BLADE SPRINGS (2)

LIFTER ROLLER

LIFTER ROLLER

LIFTER TOGGLE

LINK SPRING

LIFTER SPRING

FUNCTION BLADE LIFTER

PIVOT POINTS (6)

BELL CRANKS

O
2.15 Axial Positioning Mechanism

G SLIDING GUIDE SURFACES
O HOOKS - EACH END

CORRECTING DRIVE LINK
SPRING

O PIVOT POINT
AXIAL OUTPUT RACK

G CONTACT POINTS
ROTARY CORRECTING CLAMP

O2 PIVOT POINT
ROTARY CORRECTING LEVER SHAFT

O PIVOT POINT
AXIAL CORRECTING PLATE

G TEETH
AXIAL SECTOR TYPEWHEEL SHAFT

G CONTACT SURFACE
AXIAL CORRECTING PLATE ROLLER

(REAR VIEW)

SAT PIVOT POINTS
OSCILLATING DRIVE BAIL
(FELT WASHERS)

O PIVOT POINT
AXIAL SECTOR

SAT PIVOT POINT
GUIDE ROLLER
(FELT WASHER)

G TEETH
AXIAL SECTOR
AXIAL OUTPUT RACK
2.16 Axial Positioning Mechanism cont.

2.17 Detent Assemblies

2.18 Ribbon Shift Contact

Page 12
2.19 Printing Mechanism

2.20 Rocker Bail Mechanism
2.21 Function Cam - Clutch Trip Mechanism

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

2.22 Ribbon Shift Magnet

- PIVOT POINT - ARMATURE HINGE
- CONTACT POINT - DOWNS STOP
- CONTACT SURFACES - BLOCKING LINK

Page 14
3. VARIABLE FEATURES

3.01 Manual Interfering Rubout Tape Feed-Out Mechanism