HIGH SPEED TAPE READER UNITS (CX)

LUBRICATION

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1.05 After approximately 200 hours or four weeks of operation (whichever comes first), relubricate the reader to make certain no points have been missed. Thereafter, lubricate the reader according to the following schedule:

<table>
<thead>
<tr>
<th>Speed (wpm)</th>
<th>Lubrication</th>
<th>Interval*</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>250 hours or 6 weeks</td>
<td></td>
</tr>
<tr>
<td>750</td>
<td>500 hours or 12 weeks</td>
<td></td>
</tr>
<tr>
<td>500</td>
<td>1000 hours or 24 weeks</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>1500 hours or 6 months</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>2000 hours or 9 months</td>
<td></td>
</tr>
</tbody>
</table>

*Whichever occurs first.

1.06 The following symbols are used in the lubrication instructions to indicate the type of lubricant.

   O Apply KS7470 oil
   G Apply KS7471 grease as specified

Note: In general, the symbols indicate the type of lubricant. Quantity of lubricant is normally given in the lubrication instructions. An exception to this method is where the exact number of drops of oil is specified. For example, O1, O2, O3, etc refer to 1, 2, 3 etc drops of oil.

Figure 1 - High Speed Tape Reader Unit

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1.07 Ordering information for lubricants and a complete list of tools and materials available to maintain the reader is given in Section 570-005-800TC.

1.08 Oil should be applied by means of an oiler. Overlubrication which would allow oil to drip on other parts should be avoided. Wipe off excess amounts of lubricant. Capillary action and vaporization tend to keep a film of oil on the parts. This prevents rust and provides sufficient lubrication to many points.

CAUTION: SPECIAL CARE SHOULD BE TAKEN TO PREVENT ANY LUBRICANT FROM GETTING BETWEEN ELECTRICAL CONTACTS.

Note: Protective pad TP124828 is available to protect furniture and floor coverings from oil, grease and dirt while lubricating the reader.

CAUTION: REMOVE POWER BEFORE LUBRICATING READER.

2. BASIC UNIT

2.01 Tape Reader (Front View)
2.02 Tape Lid Mechanism

O1 Pivot Point
O1 Hooks - Each End
G Light Film on Wear Plate Edge
O1 Spring

(Bottom View)

2.03 Cover Plate Plunger Mechanism

O1 Sliding Surface
O1 Hooks - Each End

(Bottom View)
2.04 Universal Tape Reading Mechanism

(Front View)

2.05 Universal Tape Reading Mechanism (continued)

(Front View)
2.06  Tape Reader (Top View)
2.07 Operation Control Mechanism

- Light Film on Plungers
- Light Film on Contact Surface
- Hooks - Each End
- Pivot Point
- Light Film on Contact Surface
- Pivot Point
- Pivot Point
- Pivot Point
- Light Film on Contact Surface
- Pivot Point
- Pivot Point
- Light Film on Contact Point
- Pivot Points
- Spring
- Light Film on Contact Surface
- Saturate Felt Wick
- Hooks - Each End
- Light Film on Contact Surface

Cover Plate
Swinger Tip
Tape-Out Arm Spring
Control Lever
Start-Stop Lever
Tape-Out Arm
Start-Stop Lever
Intermediate Lever
Start-Stop Lever
Detent Lever
Intermediate Lever
Tape-Out Stop Arm
Tape-Out Extension
Tape-Out Pin
Swinger Tip
Detent Spring
Control Lever Spring
Control Lever

2.08 Feed Mechanism

- Saturate Felt Wick
- Pivot Point
- Medium to Heavy Film on Contact Point
- Medium to Heavy Film on Contact Points
- Pivot Point
- Saturate Felt Wick
- Roller
- Pivot Point
- Pivot Point
- Saturate Felt Wick

Detent Lever Spring
Detent Lever
Inertia Stop Lever
Feed Ratchet Teeth
Inertia Stop Lever
Inertia Stop Lever Spring
Detent Lever
Feed Pawl
Inertia Stop Lever
Feed Pawl Spring
2.09 Sensing Mechanism

Note: Exercise care to prevent lubricant from finding its way to contact points.

- **G** Light Film on Contact Surface
- **G** Light Film on Sliding Surfaces
- **G** Light Film on Slots
- **O** Saturate Felt Wicks
- **G** Medium to Heavy Film on Sliding Surfaces
- **G** Medium to Heavy Film on Slots
- **G** Medium to Heavy Film on Contact Surfaces
- **G** Medium to Heavy Film on Slots
- **G** Medium to Heavy Film on Pivot Points
- **O** Saturate Felt Wicks
- **O1** Pivot Point
- **G** Light Film on Contact Points
- **G** Light Film on Slots
- **G** Light Film on Pivot Points
- **G** Light Film on Contact Points
- **G** Light Film on Pivot Points
- **G** Light Film on Slots
- **O2** Oil Hole
- **O1** Hooks - Each End
- **O1** Sliding Surface
- **O1** Pivot Point

(Left Front View)
2.10 Tape Reader (Bottom View)

2.11 Latching Mechanism

- O1 Pivot Points
- O Saturate Felt Wick
- G Medium to Heavy Film on Contact Points
- O1 Pivot Points
- O1 Contact Points
- O1 Hocks - Each End
- Armature Hinge
- Armature Spring
- Cam Follower Springs
- Blocking Lever
- Cam Follower Rollers
- Cam Follower Rollers
- Blocking Lever Spring

(Left Front View)
2.12 Motor and Main Shaft Assembly

Note: Typical application is illustrated. Lubricate standard coded motor units as instructed in Section 570-220-701TC. Refer to the appropriate sections for lubrication instructions on other motor units.

G Light Film on Contact Points, Gear Teeth

Pinion Gear

G Light Film on Contact Points, Gear Teeth

Driven Gear

O1 Pivot Points

Bearings

(Left Rear View)