HIGH SPEED TAPE PUNCH UNIT
(DRPE TYPE)

LUBRICATION

CONTENTS

1. GENERAL ........................................... 1
2. LUBRICANTS ....................................... 1
3. LUBRICATION INTERVAL .......................... 1
4. LUBRICATION SYMBOLS .......................... 1
5. LUBRICATION POINTS ............................. 2

PAGE
1
1
1
2
2

2-1/2 lbs. Apply grease to both loops of helical springs that exert a nominal tension of 2-1/2 lbs or more.

2. LUBRICANTS

2.01 Use KS7470 oil and TP143484 grease when lubricating this unit. Note: Teletype part no. TP143484 is a one-pound can of grease. The same grease packaged in a four-ounce tube is TP145867.

2.02 Unless otherwise specified, one or two drops of oil or 1/64 inch coating of grease at each of the places indicated should be sufficient.

3. LUBRICATION INTERVAL

The lubrication interval shall be as follows:

<table>
<thead>
<tr>
<th>Speed of Operation</th>
<th>* Hours Between Lubrication</th>
<th>* Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 wpm</td>
<td>2000</td>
<td>6 Months</td>
</tr>
<tr>
<td>500 wpm</td>
<td>400</td>
<td>3 Months</td>
</tr>
<tr>
<td>1000 wpm</td>
<td>200</td>
<td>2 Months</td>
</tr>
<tr>
<td>1500 wpm</td>
<td>150</td>
<td>1-1/2 Months</td>
</tr>
<tr>
<td>2000 wpm</td>
<td>75</td>
<td>1 Month</td>
</tr>
<tr>
<td>2400 wpm</td>
<td>60</td>
<td>1 Month</td>
</tr>
</tbody>
</table>

* Whichever occurs first.

4. LUBRICATION SYMBOLS

The symbols in the text indicate the following:

O Apply one drop of KS7470 oil.
O2 Apply two drops of KS7470 oil, etc.
SAT Saturate with KS7470 oil (felt washers, oilite bearings, etc).
FILL Fill with KS7470 oil (oil holes, oil cups, etc).
M Apply 1/64 inch coating of TP143484 or TP145867 grease.

Refer to the lubrication illustrations that follow for specific lubrication points:

1. GENERAL

1.01 This section is reissued to make it a standard publication and to incorporate engineering changes, new 2400 wpm models, a photoelectric reader and a universal punch block. Arrows in the margins indicate changes or additions.

1.02 The oil and grease specified in Paragraph 2 below should be used to lubricate the high speed tape punch. Use oil for lubrication at all of the places listed, except where the use of grease is specified. Oil both loops of all helical springs that exert a nominal tension of less than

Prepared for American Telephone and Telegraph Company by Teletype Corporation
© 1964 by Teletype Corporation
All rights reserved.
Printed in U.S.A.
5. LUBRICATION POINTS

5.01 Front of Unit

5.02 Links and Reed Tips

M Links, Guides and Posts
M Contacting Surfaces
M Links, Guides and Posts
M Contacting Surfaces
M Links, Guides and Posts
M Contacting Surface
O Shaft

Links
Reed Tips, Dampers, Links and Bumpers
Reed Tips, Dampers, Links and Bumpers
Reed Tips, Dampers, Links and Bumpers
Punch Pins
Punch Pins
5.03 Escapement Pawls and Ratchet

- SAT Felt Washers
- Escapement Pawl Shaft
- M Contacting Surfaces
- Escapement Pawl
- M Teeth
- Escapement Ratchet
- O8 and M Spring Coils - First Oil then Grease (Oil Holes Under Coil) - Wipe Off Excess from Adjacent Parts
- Feed Wheel Shaft and Yield Spring
- SAT Felt Washer (Late Design)
- Feed Wheel Shaft

5.04 Pressure Roller

- O2 Oilite Bearing, Each End
- Pressure Roller
- O2 Each Pivot Bearing
- Pressure Roller Bail

5.05 Tape Guide Shaft

- O2 Rear of Bearing
- Tape Guide Shaft
- SAT Felt Washer
- Bearing
5.06 Bottom of Unit

5.07 Tape Guide Spring and Spur Gear

- M Between Sleeve and Ratchet
- M Hooks (Each End) and Coils
- O4 Front End (Wipe Off Excess from Adjacent Parts)
- FILL Center Oil Hole (Separate Coils)
- M Teeth
- O2 Rear of Bearing

5.08 Idler Lever and Gear

- M Point of Contact with Switch Plunger
- SAT Felt Washer
- O2 Rear of Pivot Bearing
- O2 Front of Bearing
- M Teeth
- SAT Felt Oiler
5.09 Tape Feed Motor

- **M**: Teeth
- **SAT**: Felt Washer (2) (Inside of Castings)
- **Feed Motor Pinion**: Tape Feed Motor

5.10 Tape Puller Motor

- **O**: Hooks—Each End
- **SAT**: Felt Washers (2) (Inside of Castings)
- **Pressure Roller Spring**: Tape Puller Motor
5.11 Top of Unit

5.12 Antireverse Pawl and Pulley

5.13 Tape Sensing Lever

- SAT
- Felt Washer
- Antireverse Pawl and Pulley
- Pulley Groove
- Antireverse Pawl and Pulley
- Spring Hooks - Each End
- Antireverse Pawl Spring
- Lever Pivot
- Antireverse Pawl and Pulley
- Spring Hooks - Each End
- Idler Lever Spring
- Cam Shaft
- Contact Cam
- Switch Cam
- Tape Sensing Lever Switch
- Spring Hooks (Each End) and Coils
- Tape Sensing Lever Spring