35 TRANSMITTER DISTRIBUTOR

LUBRICATION

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<tr>
<th>Operating Speed</th>
<th>Lubricating Interval</th>
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<tr>
<td>(Words per Minute)</td>
<td>(Whichever occurs first)</td>
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<tr>
<td>60 - - - - - - 3000 hrs. or 1 yr.</td>
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<tr>
<td>75 - - - - - - 2400 hrs. or 9 mo.</td>
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<td>100 - - - - - - 1500 hrs. or 6 mo.</td>
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1.03 Use KS-7470 oil at all locations where the use of oil is indicated. Use KS-7471 grease on all surfaces where grease is indicated.

1.04 All spring wicks and felt oilers should be saturated. The friction surfaces of all moving parts should be thoroughly lubricated. Overlubrication should be avoided. Special care must be taken to prevent any oil or grease from getting between the clutch armature and its magnet pole faces or between electrical contacts.

1.05 Apply a thick film of grease to all gears.

1.06 Apply oil to all cams, including the camming surfaces of the clutch disk.

1.07 The photographs show the paragraph numbers referring to particular line drawings of mechanisms and where these mechanisms are located on the unit. Parts in the line drawings are shown in an upright position unless otherwise specified.

1.08 The illustration symbols indicate the following lubrication directions:

- 0 Apply 1 drop of oil.
- 02 Apply 2 drops of oil.
- 03 Apply 3 drops of oil.
- 020 Apply 20 drops of oil, etc.
- G Apply thin film of grease.
- SAT Saturate (felt oilers, washer, wicks) with oil.

1. GENERAL

1.01 This section is reissued to convert it from a preliminary publication to a standard publication.

1.02 The 35 Transmitter Distributor should be lubricated as directed in this section. The figures indicate points to be lubricated and the kind and quantity of lubricant to be used. Lubricate the unit just prior to placing it in service. After a few weeks in service, re-lubricate to make certain that all points receive lubrication. The following lubrication schedule should be followed thereafter.
1. **REMOVING COVER PLATE:** Lift left end of plate to release the detent fasteners then slide cover plate toward the left. Replace cover in the reverse order.

2. **REMOVING TOP PLATE:** Loosen the front and rear mounting screws. Lift top plate upward.

3. **REMAINING TAPE GUIDE PLATE:** Loosen the tape guide plate mounting screws. Lift the tape guide plate.

4. **REMOVING TRANSMITTER-DISTRIBUTOR ASSEMBLY:** Remove the screws which attach the unit to the base, and lift unit up to disengage the gears. Disconnect electrical plug.
2. LUBRICATION

2.01 Transmitter Distributor -- Top View
2.02 Tape Guide Plate

- Bearing Surface
- Tight Tape Bail
- Detent Teeth
- Start-Stop Lever
- Felt Washer
- Tape Lid Shaft
- Bearing Surface
- Tape Lid Release Bail
- Latching Surface
- Tape Lid Latch
- Each Loop
- Tape Lid Latch Spring
2.03 Signal Contact Assembly

NOTE:
THE MARKING "DO NOT OIL" ON THE SIGNAL CONTACT BOX SHOULD BE INTERPRETED LITERALLY. PORTIONS OF THE MECHANISM SHOULD BE GREASED AS INDICATED, BUT NO OIL SHOULD BE USED.
2.04 Clutch Trip Assembly

- Each Loop
- Latch Lever Spring
- Clutch Trip Bail
- Trip Lever Spring
- Armature Bail
- Trip Lever
- Armature Spring

- Sat
- Felt Washer
- Latch Lever

- Sat
- Felt Washer
- Trip Lever

- G
- Engaging Surface
- Armature Bail Extension
2.05 Transmitter Distributor --- Bottom and Side View
2.06 Gear Train

G

TEETH

MOTOR PINION

BALL OILER

MOTOR BEARING

2.07 MAIN SHAFT

0

CAMING SURFACES

CAM SLEEVE

0.3

CAMING SURFACE

CLUTCH DISK

0.2

CAMING SURFACE

DRIVE ARM CAM

2.08 OIL RESERVOIR

SAT

LEATHER WICK

CAM OILER

FILL

RESERVOIR

CAM OILER
2.09 Center Plate Assembly
2.10 Transmitter Distributor --- End View
2.11 Front Plate Assembly

2.12 Sensing and Feed Mechanism
2.13 Transfer Mechanism

SAT
EACH FELT WASHER
MAIN BAIL PIVOTS

G
SLIDING SURFACE
BAIL DRIVE POST

SAT
LEATHER PAD
TRANSFER BAIL

0
SLIDING SURFACES
TRANSFER LEVERS

0
EACH LOOP
TRANSFER LEVER SPRINGS

0
EACH LOOP
LOCKING BAIL SPRING

0
TEETH
FEED PAWL AND RATCHET WHEEL

0
EACH LOOP
MAIN BAIL SPRING

0
EACH LOOP
FEED PAWL SPRING

0
SLIDING SURFACE
FEED PAWL PIVOT

0
ENGAGING SURFACE
LOCKING BAIL

0
SLIDING SURFACE
TRANSFER LEVERS
2.14 Rubout Sensing Mechanism

- G ENGAGING SURFACE
- TIMING ARM
- G LIGHT FILM
- TIMING CAM
- 2 BEARING SURFACE
- TIMING BAIL

2.15 Timing Mechanism

- 02 BEARING SURFACE
- CAM FOLLOWER
- 0 EACH LOOP
- SPRING
- G LIGHT FILM
- CAM
- G INSULATOR SURFACE
- SWINGER