1. GENERAL

1.01 This section is reissued to incorporate the latest engineering changes for the 24-hour timer (Figures 1 and 2). Since this is a general revision, marginal arrows ordinarily used to indicate changes and additions have been omitted.

1.02 Lubrication requires removal of the timer from its mounting bracket and disconnecting the ac power supply. Be sure to reset the timer when reinstalling it. Refer to the section entitled "24-Hour Timer, Description and Principles of Operation."

LUBRICATION INTERVAL

1.03 Lubricate at six-month intervals. Apply KS7470 oil, KS7471 grease, or 105 Lubriplate grease (TP108805) in accordance with the following code:

- O1 - Apply one drop of KS7470 oil.
- O2 - Apply two drops of KS7470 oil.
- SAT - Saturate with oil.
- G - Apply thin film of KS7471 grease.
- L - Apply thin film of 105 Lubriplate.

Take special care to avoid getting oil or grease on the electrical contacts. Specific lubricant requirements and the amount of lubrication are indicated at each lubrication instruction. The motor does not require lubrication.

1.04 Prior to initial installation and at periodic lubrication intervals, soak non-metallic cams in KS7470 oil for 24 hours at room temperature after cam sleeve assembly. Apply a light film of 107 Lubriplate grease to the cam peripheries.

CAUTION: DO NOT USE ALCOHOL, MINERAL SPIRITS, OR OTHER SOLVENTS TO CLEAN PLASTIC PARTS OR PARTS WITH PROTECTIVE DECORATIVE FINISHES. NORMALLY, A SOFT, DRY CLOTH SHOULD BE USED TO REMOVE DUST, OIL, GREASE, OR OTHERWISE CLEAN PARTS OR SUB-ASSEMBLIES. IF NECESSARY, A SOFT CLOTH DAMPENED WITH SOAP OR MILD DETERGENT MAY BE USED. AFTERWARDS, RINSE PART OR SUBASSEMBLY WITH A SOFT, DAMP CLOTH AND BUFF WITH A SOFT, DRY CLOTH.
2. LUBRICATION

2.01 Detents (Three)

O2 Rollers (3 Places) Detent Rollers
O2 Pivot Points (3 Places) Mounting Screw
O2 Hooks - Each End Spring

2.02 24-Hour Timer (Left Rear View)
2.03 Driving Bails (Two)

(TOP VIEW)

O2 Hooks - Each End Spring

O4 Pivot Points Driving Bails

G Sliding Surface Cam Followers

2.04 Driving Cam

O2 Bearing Surface (1 Place) Motor Shaft

O3 Bearing Surface (2 Places) Drive Shaft

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2.05 Driving Lever

(RIGHT SIDE VIEW)

O2 Hooks - Each End Spring
G Cam Drive Cam

O2 Engaging Surfaces Drive Lever
O2 Pivot Point Bracket Shaft

2.06 Feed Pawls

(RIGHT SIDE VIEW)

O2 Pivot Point (3 Places) Eccentric Bushing

O2 Seats - Each End (3 Places) Spring

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2.07 24-Hour Timer (Rear View)

2.08 Holding Magnet

SAT Wick
Spring

SAT Felt Washers
Hinge

(LEFT SIDE VIEW)

G Engaging Surfaces
Holding Pawl

(REAR VIEW)
2.09 Main Shaft

O1 Pivot Point (4 Places) Main Shaft

G Sliding Surface Double Step Cam

G Sliding Surface Quadruple Step Cam

G Engaging Surfaces (3 Places) Ratchet Wheel

SAT Cam - Soak 24 Hrs At Room Temp Timing Cam Assemblies

L Sliding Surface Timing Cam Detents