# 28 MULTIPLE WIRE DISTRIBUTOR

## LUBRICATION

CONTENTS PAGE



## 1. GENERAL

1.01 This section provides lubrication information for the 5-level 28 multiple wire distributor. It is reissued to present specific lubrication amounts and intervals, and to generally update the format and lubrication requirements. For information pertaining to the 8-level distributor, refer to Section 574-237-701. Since this is a general revision, marginal arrows indicating changes have been omitted.

1.02 Lubricate the multiple wire distributor 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. Relubricate after a few weeks in service to make certain that all points have received attention. Thereafter, follow the schedule outlined below:

| Operating Speed | Lubrication Interval |
|---|---|
| 60 wpm | 3000 hours or 1 year* |
| 75 wpm | 2400 hours or 9 months* |
| 100 wpm | 1500 hours or 6 months* |

*Whichever occurs first.

Note: For early design units, the lubrication interval is every 500 hours for operation at all speeds.

1.03 Use KS7470 oil at all locations where the use of oil is indicated. Use KS7471 grease on all surfaces where grease is indicated.

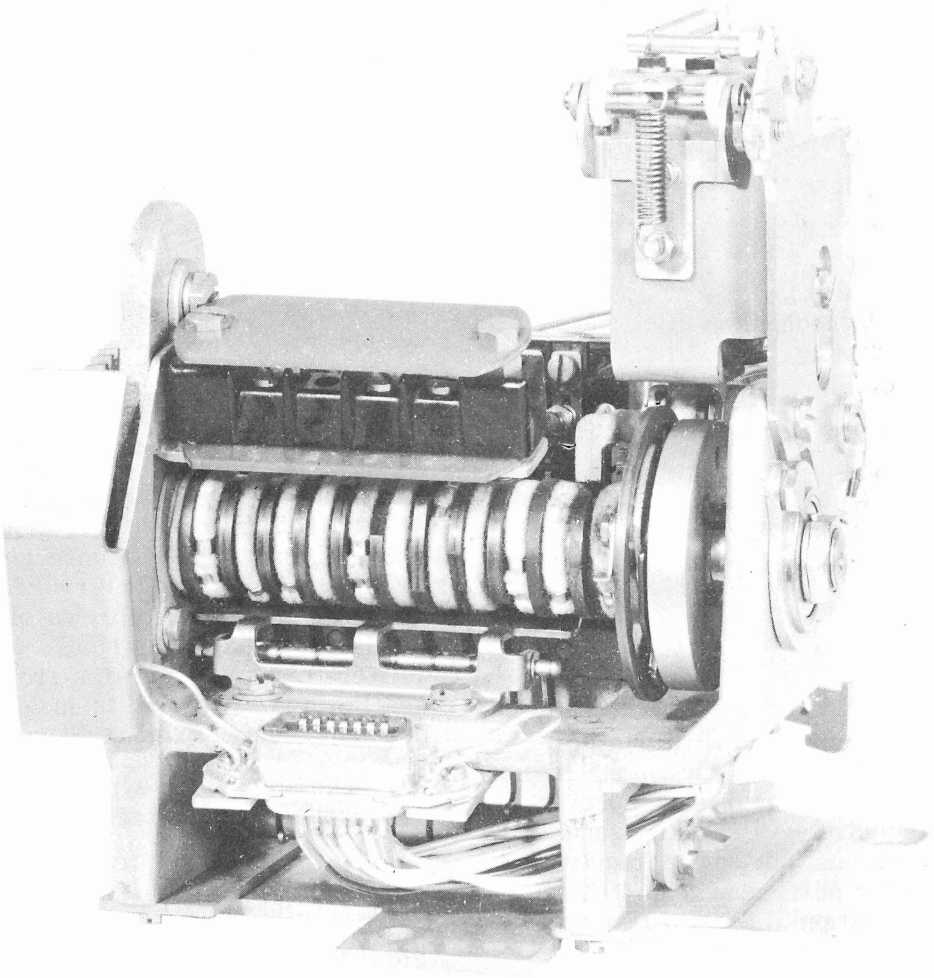
1.04 All spring wicks and felt oilers should be saturated. The friction surfaces of all moving parts should be thoroughly lubricated. Over-lubrication, however, which permits oil or grease to drip or be thrown on other parts, must be avoided. Special care must be taken to prevent any oil or grease from getting between the armature and its magnet pole faces or between electrical contacts.

1.05 The illustration symbols indicate the following lubrication directions:

| | |
|---|---|
| O1 | Apply 1 drop of oil. |
| O2 | Apply 2 drops of oil. |
| O3 | Apply 3 drops of oil. |
| G | Apply thin film of grease. |
| SAT | Saturate (felt oilers, washers, wicks) with oil. |
| FILL | Fill (oil cup) with oil. |

1.06 For lubrication information pertaining to associated parts (motor, base, etc), refer to the appropriate sections.

Prepared for American Telephone and Telegraph Company by Teletype Corporation

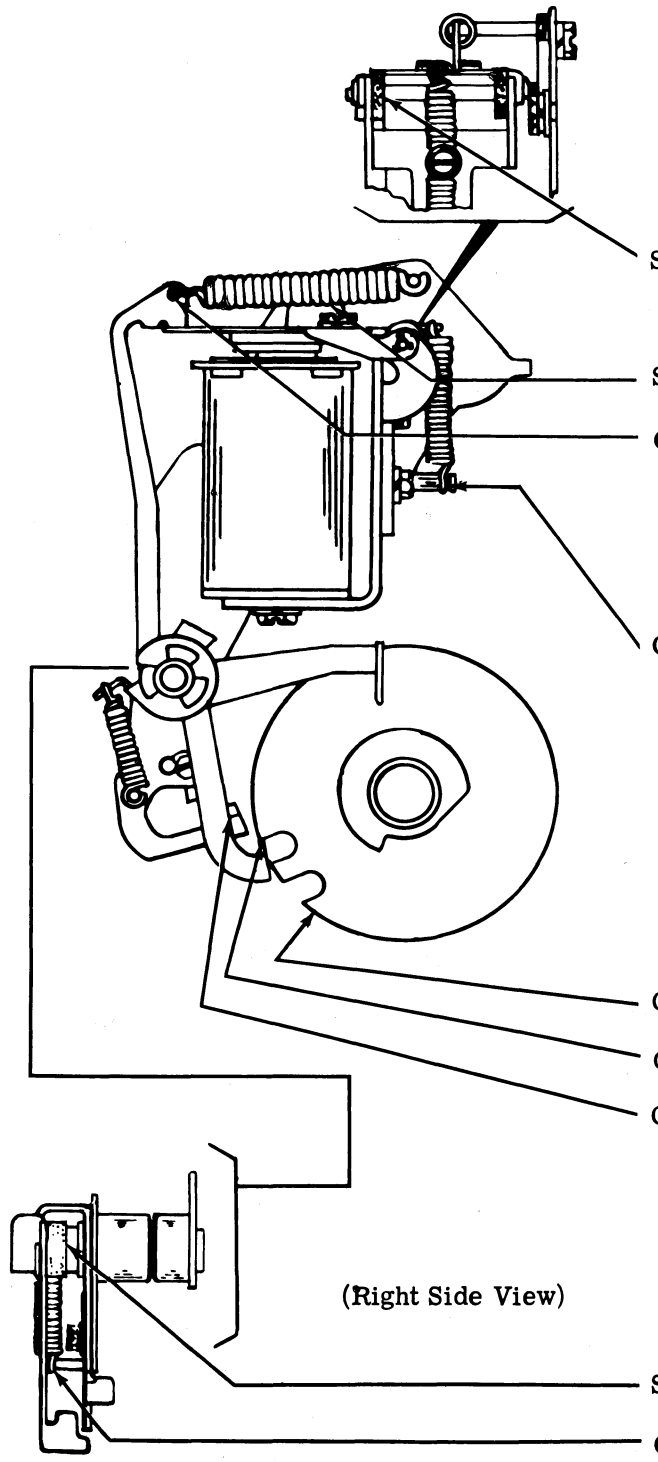


(Front View)

Figure 1 - Typical Late Design 5-Level 28 Multiple Wire Distributor

## 2. LUBRICATION — LATE DESIGN

### 2.01 Clutch Trip Magnet Mechanism

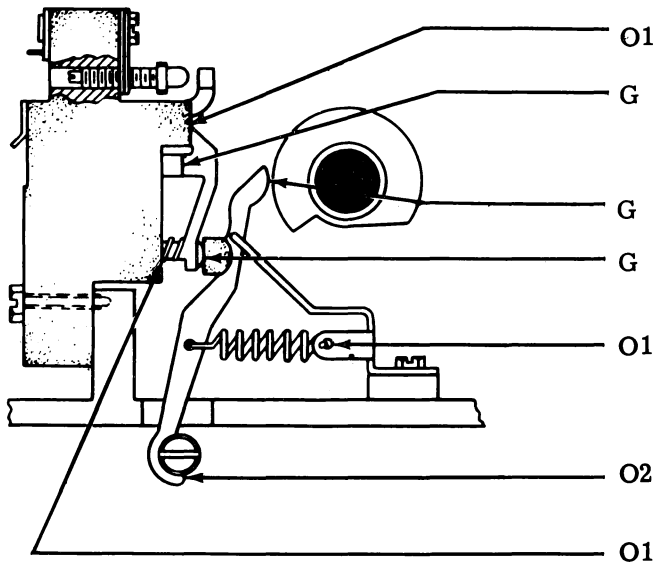


| | | |
|---|---|---|
| SAT | Felt Oilers | Armature Hinge |
| SAT | Felt Wick | Spring |
| O1 | Hooks - Each End | Spring |
| O1 | Hooks - Each End | Spring |
| G | Cam Surface | Clutch Disc |
| G | Stop Surface | Clutch Latchlever |
| G | Stop Surface | Clutch Trip Lever |

(Right Side View)

| | | |
|---|---|---|
| SAT | Felt Oiler | Trip Lever Shaft |
| O1 | Hooks - Each End | Spring |

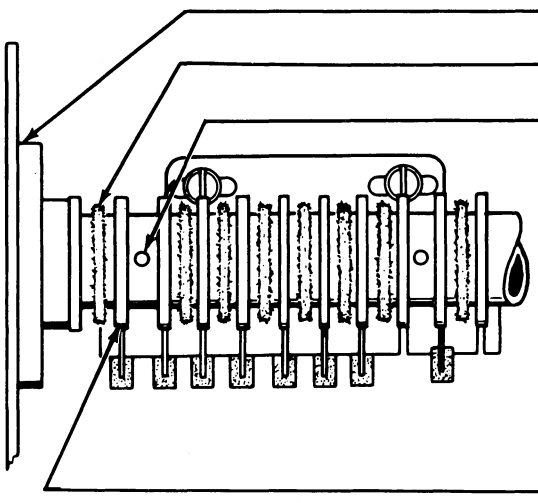
2.02 Contact Lever Assembly



| | | |
|---|---|---|
| O1 | Hooks - Each End | Spring |
| G | Pivot Points | Distributor Block |
| G | Pivot Points | Cam Follower |
| G | Pivot Points | Distributor Block |
| O1 | Hooks - Each End | Spring |
| O2 | Bearing Surfaces | Contact Lever |
| O1 | Hooks - Each End | Compression Spring |

(Front View)

2.03 Cam Sleeve Assembly

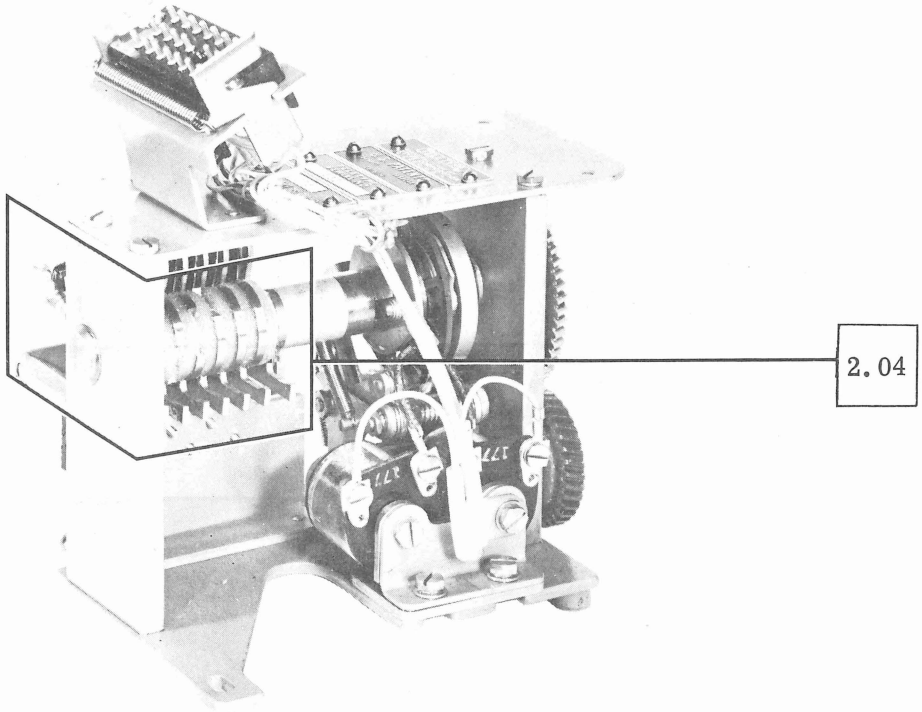


| | | |
|---|---|---|
| SAT | Internal Mechanism | Clutch |
| SAT | Felt Oilers | Cam Assembly |
| O4 | Oil Holes | Camshaft |
| O2 | Cams | Camshaft |

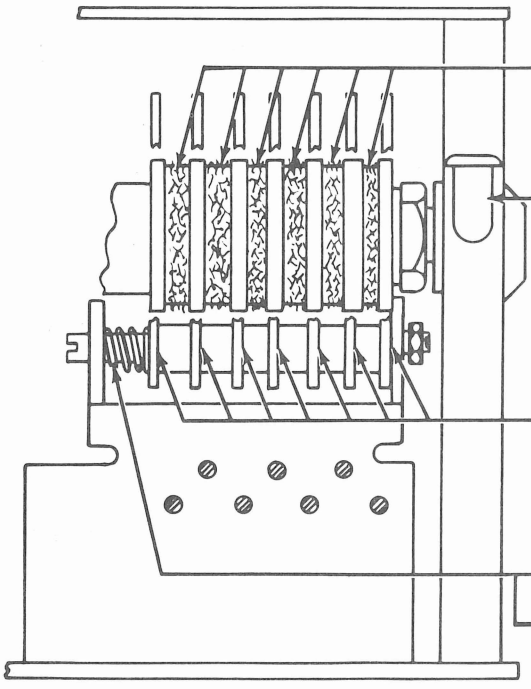
(Rear View)

EARLY DESIGN

2.04 Clutch and Camshaft Assembly



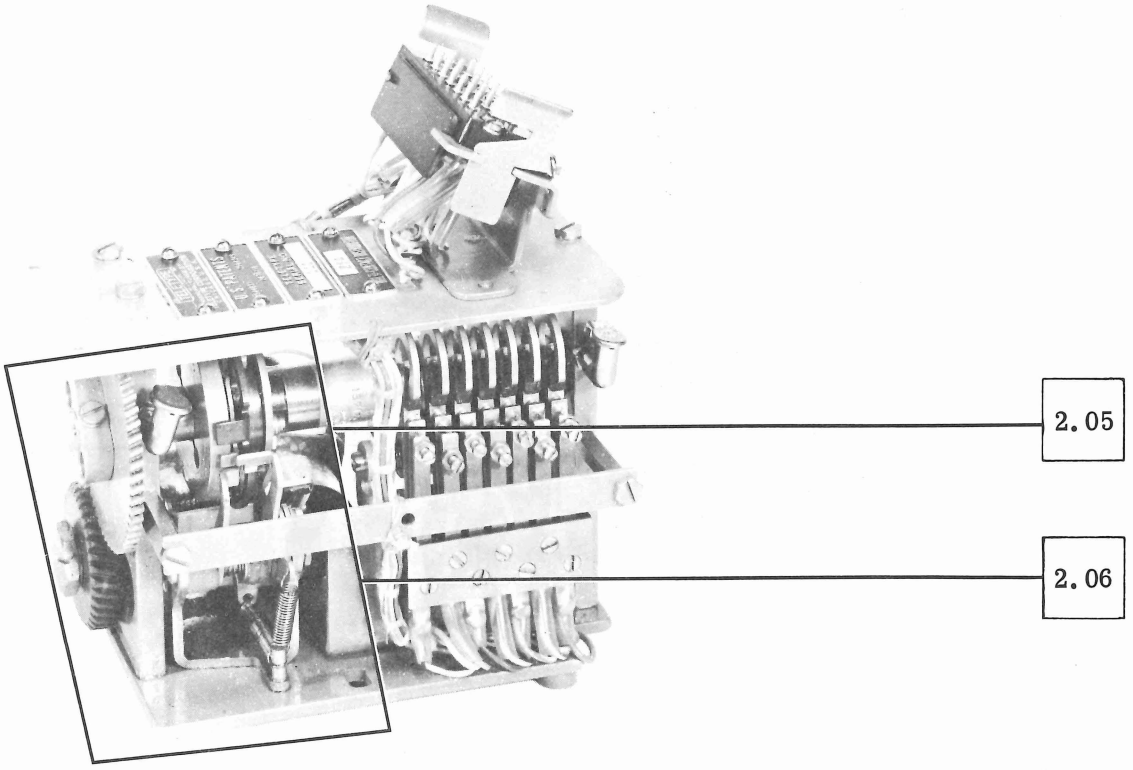

(Front View)



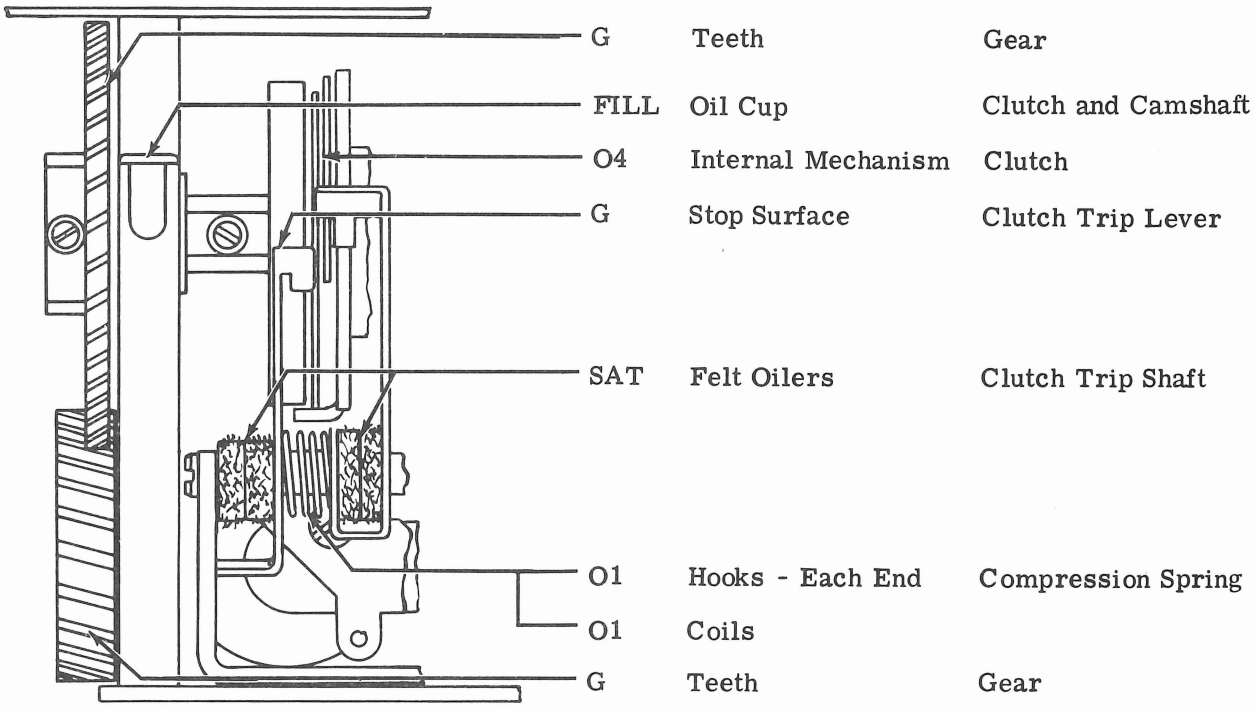
| | | |
|---|---|---|
| SAT | Felt Oilers | Cam Assembly |
| FILL | Oil Cup | Clutch and Camshaft |
| O1 | Bearing Surfaces | Contact Levers |
| O1 | Hooks - Each End | Compression Spring |
| O1 | Coils | |

(Rear View)

2.05 Clutch and Gear Assemblies

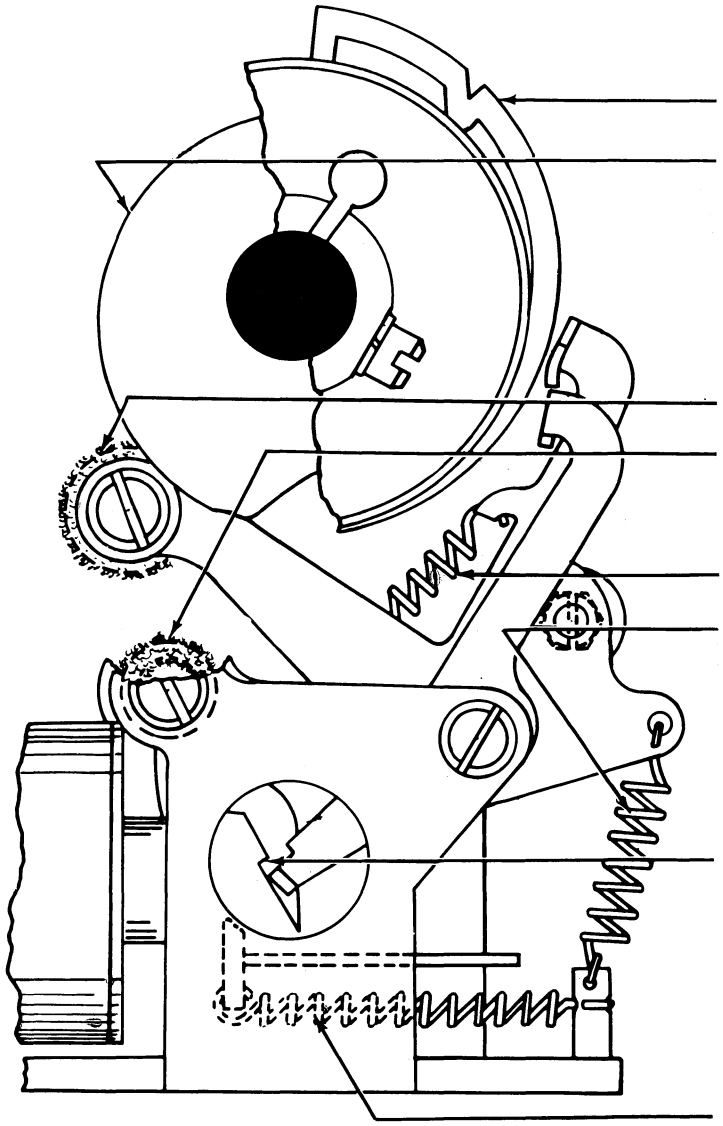



(Rear View)




(Rear View)

2.06 Clutch Trip Magnet Mechanism



| | | | |
|---|---|---|---|
| G | Camming Surface | Clutch Cam Disc |
| G | Camming Surface | Reset Cam Disc |
| SAT | Felt Oiler | Reset Roller |
| SAT | Felt Oiler | Armature Bail Shaft |
| O1 | Hooks - Each End | Spring |
| O1 | Hooks - Each End | Spring |
| O1 | Latching Surface | Armature Bail |
| O1 | Hooks - Each End | Spring |

(Right Side View)