

6B CONTROL UNIT
LUBRICATION

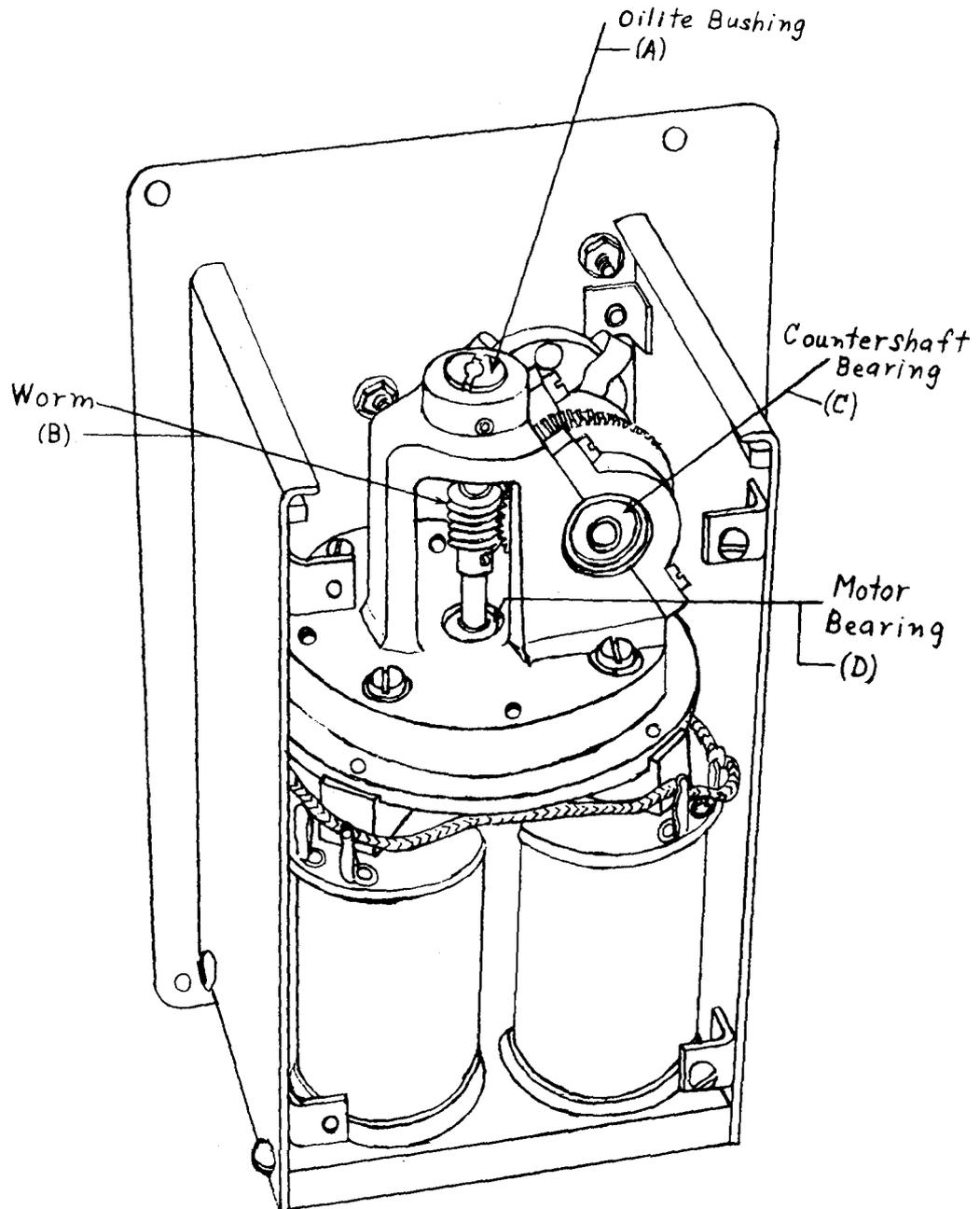


FIG. 1 - 6B Control Unit
Front and Top Cover Plates Removed

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SECTION 024-320-701

1. GENERAL

1.01 This section covers the 6B Control Unit, used in the 4 KC Frequency Supply Circuit for the LI Carrier Telephone System.

1.02 Reference shall be made to Section 020-010-711 covering the General Requirements and Definitions for additional information necessary for the proper application of the requirements listed herein.

1.03 One drop of oil for the purpose of this section is the amount of oil released from a piece of No. 22 bare tinned copper wire after it has been dipped 1/4" into the oil and slowly removed.

2. REQUIREMENTS

2.01 Lubrication: The following shall be lubricated once a year with KS-7470 oil. One drop shall be applied to each of the points listed.

- Fig. 1(A) - Oilite bushing
- Fig. 1(B) - Worm
- Fig. 1(C) - Front bearing for countershaft
- Fig. 1(D) - Motor bearing
Rear bearing for countershaft

3. PROCEDURES

3.001 List of Tools and Materials

<u>Code No.</u>	<u>Description</u>
<u>Tools</u>	
-	4" Regular Screwdriver
<u>Materials</u>	
-	KS-7470 Oil
-	No. 22 Bare Tinned Copper Wire 5" Length

Tools

- 4" Regular Screwdriver

Materials

- KS-7470 Oil
- No. 22 Bare Tinned
Copper Wire 5" Length

3.002 General

(1) It is not expected that the 6B Control Unit will require any attention other than lubrication once a year. If bearings need to be replaced this should be done at the factory, and should not be attempted as a central office maintenance operation.

3.01 Lubrication (Req. 2.01)

(1) Lubrication of the 6B Control Unit can be performed while the unit is in service when the green light on the panel is lighted

(2) Access to the motor drive mechanism is gained by removal of the front cover plate and also the top cover plate. Using the 4" regular screwdriver, loosen the two screws at the right-hand side of the front cover plate. Remove the two screws at the left side of the cover plate and then lift off the cover plate. Remove the top cover plate by pulling straight out on it.

(3) Apply a single drop of KS-7470 oil to each of the places specified, using the 5" length of No. 22 wire.

(4) Worm: In applying the oil to the worm on the motor shaft, place the drop of oil at the top of the worm. The drop of oil will spread over the worm to cover it with a protective film of oil. Do not touch the worm with the fingers as moisture or perspiration from the fingertips may cause small spots of corrosion to start.

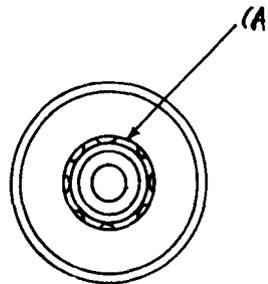


Fig. 2 - Countershaft Bearing

(5) Counter Shaft Bearings: In applying the oil to the counter shaft bearings, place the drop of oil in the circular space or opening shown in Fig. 2(A). The drop of oil will find its way to the inside of the bearing and will help to keep the original lubricant there from drying out. Difficulty may be encountered in reaching the rear bearing of the counter shaft to apply the drop of oil. To overcome this bend the wire, with which the drop of oil is to be applied, into an arc or curve. A flashlight will be helpful by making it easier to see the circular space on the bearing Fig. 2(A) where the drop of oil should be placed. If possible to do so, removing the can cover from equipment mounted immediately above the 6B Control Unit will make it easier to reach the rear bearing.