

BELL SYSTEM PRACTICES
Teletypewriter and Manual
Telegraph Station and P.B.X.
Installation and Maintenance

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NO. 14 TRANSMITTER-DISTRIBUTOR

INSTALLATION OF 83844(M) SET

OF PARTS FOR IMPROVED A-C. GOVERNOR

SPARK PROTECTION

1. GENERAL

1.01 This section describes the method of installing the 83844(M) set of parts for improving a-c. governor spark protection on No. 14 transmitter-distributors.

1.02 This set of parts may be used on transmitter-distributors equipped with a-c. series motors.

2. METHOD OF INSTALLATION

2.01 Remove the base plate.

2.02 Mount the 86960(M) contact assembly on the main shaft lower bearing casting extension as shown in Fig. 1. (Using the mounting screws included in the set of parts.)

2.03 Assemble the 82626(M), 20-ohm resistor in the 74757(M) bracket, using the 1297(M) screw and its associated washers, lockwasher and nut as furnished. Mount this assembly under the motor nameplate with the resistor near the condenser bracket.

2.04 Disconnect the wires from the 70361(M) resistance unit and remove the unit.

2.05 Replace the 70361(M) resistance unit with the 78206(M) 300-300 ohm resistance unit, using the same mounting screws.

2.06 Disconnect the motor wire which is connected to the No. 5 slip connector, and pull it back up through the hole in the base.

2.07 Install the 87469(M) cable so that the vertical part of the cable runs along the condenser mounting bracket and the single yellow wire goes through the hole in the base.

2.08 Connect and solder the motor wire, the 87469(M) cable, and the 78206(M) resistance unit as shown in the wiring diagram Fig. 2.

2.09 Reassemble the base plate, using the four screws previously removed.

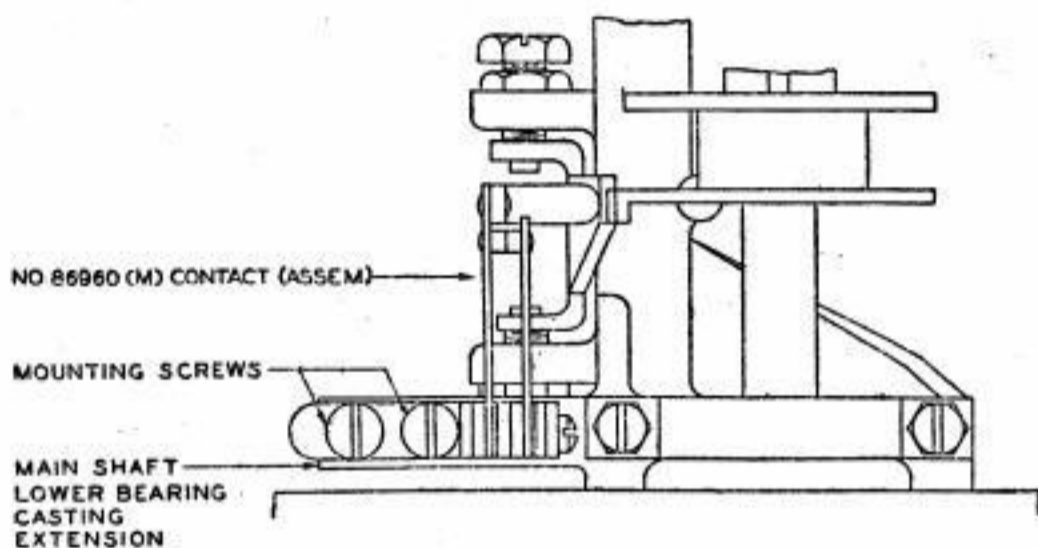


FIG. 1

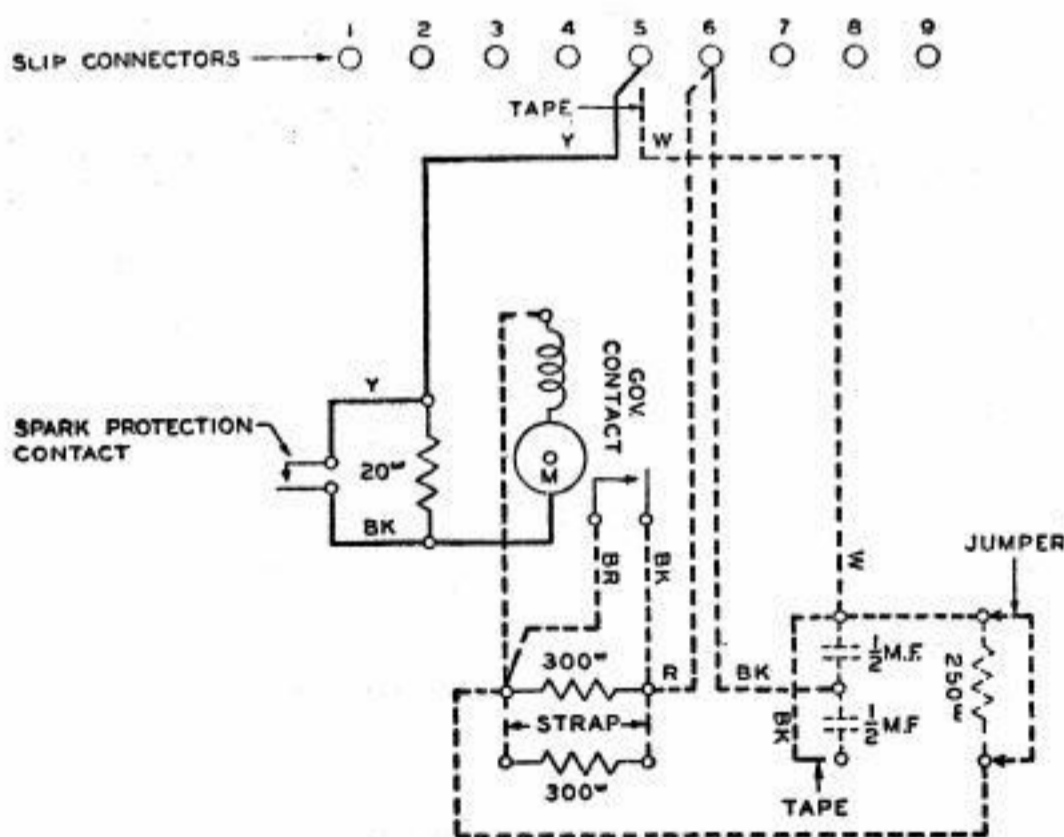


FIG. 2

Figs. 1 and 2