

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

**SECTION P35.462**  
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## **NO. 14 TRANSMITTER-DISTRIBUTOR INSTALLATION OF NO. 87390(M) RELEASE MAGNET**

### **1. GENERAL**

- 1.01 This section describes the method of installing the No. 87390(M) release magnet on No. 14 transmitter distributors.
- 1.02 This magnet may be used for either AC or DC operation, depending on the amount of resistance used in the magnet circuit.

### **2. METHOD OF INSTALLATION**

- 2.01 Remove the magnet coils and magnet armature from the transmitter distributor.
- 2.02 Mount the new magnet unit on the bracket with the terminals toward the outside of the machine.
- 2.03 Mount the new magnet armature on the stop arm.
- 2.04 In mounting the magnet unit it should be located so that the armature stops squarely against the magnet core and that when released both the upper and lower air-gaps are uniform in length across the width of the pole-face.
- 2.05 Solder the leads removed from the old magnet on the terminals of the new magnet.
- 2.06 Remove the 500-ohm resistor in the base of the machine and replace it with the 175-350 ohm resistor, making the connections to the two outside terminals with the 350-ohm portion connected to terminal 9.
- 2.07 For AC operation strap the 350 ohm portion and for DC operation use the entire resistance of 525 ohms.
- 2.08 Check the adjustment of the machine in accordance with the B.S.P. section Transmitter Distributor—14 Type—Requirements and Procedures.