

Chapter 16

RELAY, OVERSPEED, TYPE F1703

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DESCRIPTION

1. The overspeed relay, Type F1703 (*Stores Ref. 5CW/4699*), is one of the F1700 Series described in A.P.4343, Vol. 1, Sect. 11, Chap. 2. In this particular relay the armature is actuated by a 24V shunt coil (contacts make), and release (contacts break) occurs when the current in the series winding drops to between 245 and 255 amp. A diverter bar is fitted to carry part of the heavy current applied to the relay. An internal circuit diagram (*fig. 1*) illustrates the coil and contact connections to the terminals.

SERVICING

2. The servicing to be applied to the relay is the same as that described in A.P.4343, Vol. 1, Sect. 11, Chap. 2. In addition, the

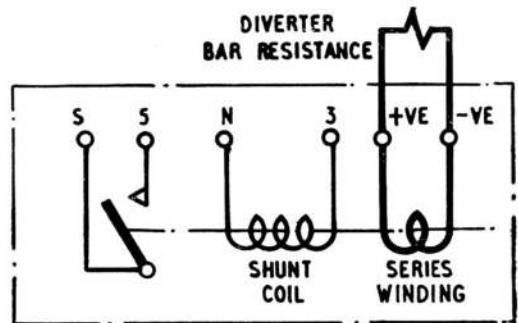


Fig. 1. Internal circuit diagram, overspeed relay, Type F1703

resistance of the shunt coil must be tested and this should be between 63 and 72 ohms when the coil is cold.

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