

## Appendix 5

### SPLITTER BOX (26SR/95513)

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### DESCRIPTION AND OPERATION

#### Introduction

1. The splitter box is provided for the satisfactory connection of 28-volt and 112-volt supplies, from the ground supply truck, to the alighting gear and tail plane incidence test boxes when they are required to function their respective aircraft circuits.

#### Description

2. The box is divided into two compartments. One compartment houses the supply looms whilst in the other compartment a ferrule mounting bracket and two N.A.T.O. type plugs are mounted. Fitted to the mounting bracket are three ferrules in which the supply looms are anchored to prevent strain on the N.A.T.O. plug connections.

3. The two N.A.T.O. type plugs are fitted to the top of the box and the supply looms are taken from the plugs through the ferrules in the mounting bracket to the stowage

compartment via an access hole in the diaphragm between the two compartments.

4. An aperture in the top of the loom stowage compartment allows access to the looms whilst an access panel fitted to the face of the box allows access to the ferrule mounting bracket.

5. Eight rubber feet, four fitted on the base and four on the face of the box, prevent the box from damage due to hard contact with the ground. A carrying handle is provided on the box.

6. Fitted through the base of the box is a  $\frac{1}{4}$  in. B.S.F. bolt to which is connected a cable. This cable is provided for bonding the splitter box to the test box.

#### Use of the splitter box

7. The splitter box is used whenever the alighting gear or tailplane incidence is to be functioned by means of their respective test boxes.

8. To connect the splitter box to the test box all that is necessary is for the lid of the stowage compartment to be opened and the supply looms removed and connected to their associated plugs on the test box. The bonding cable is to be connected to the bonding connection provided on the test box and then the ground supply truck can be connected to the splitter box.

9. When the supply looms are connected to the test box the splitter box should be laid on its side, so that the supply looms pass over the radius of the carrying handle.

### SERVICING

#### Servicing the splitter box

10. Periodic checks should be carried out on the splitter box. They should consist of checking the connections on the N.A.T.O. type plugs and checking the supply looms for continuity and insulation.

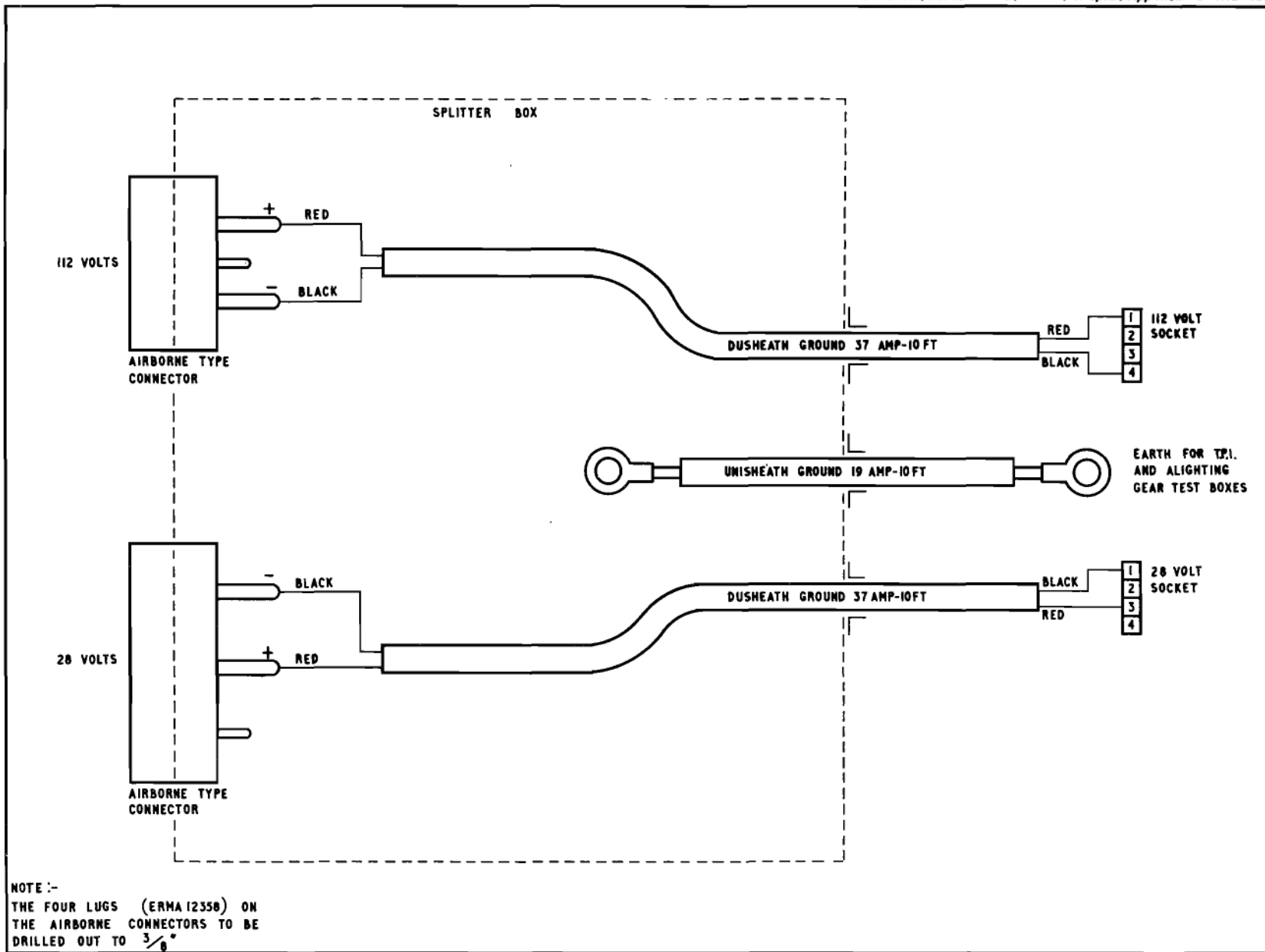


Fig. 1 Splitter-box wiring diagram (Mod. G.E. 2663)

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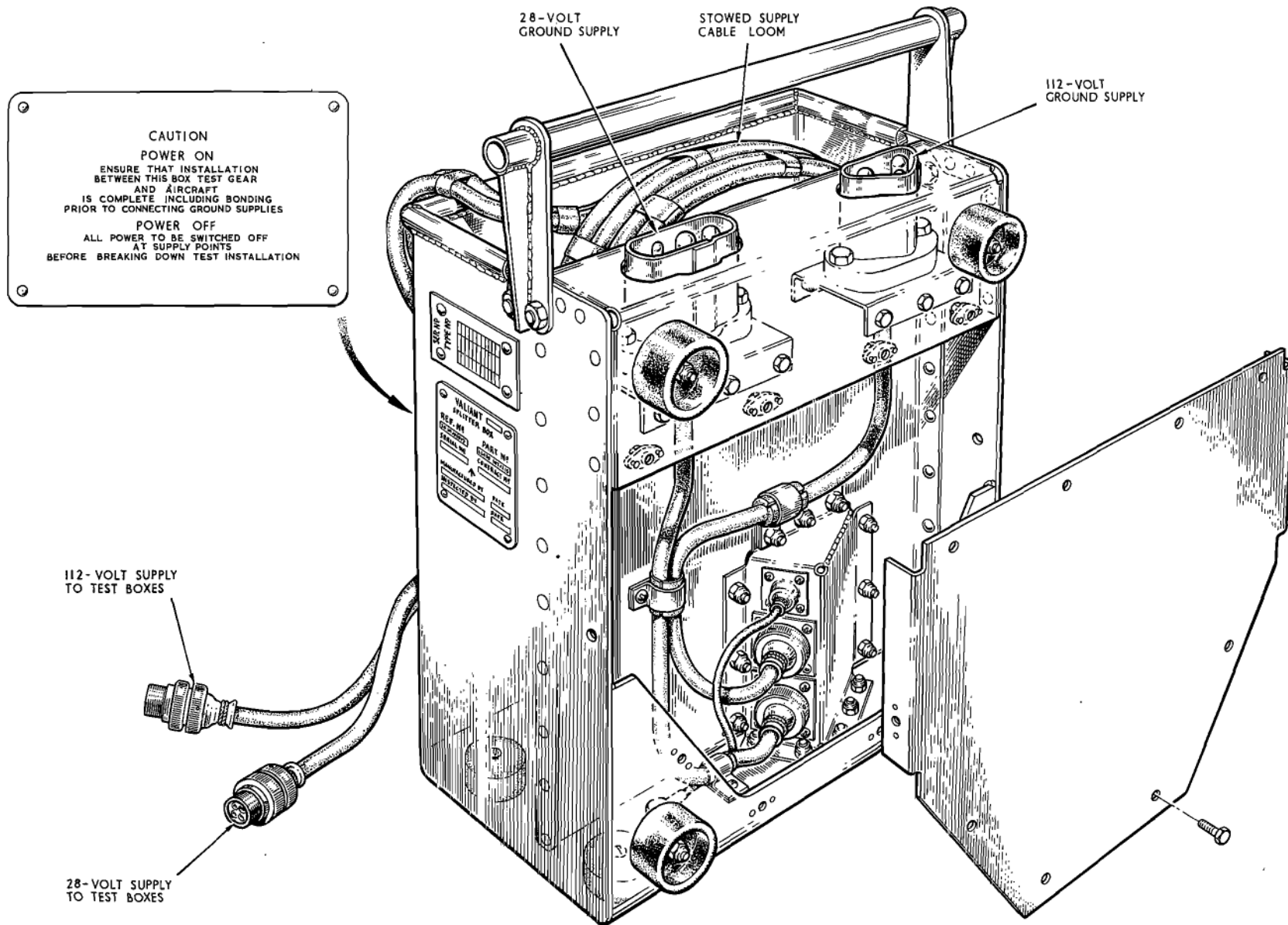


Fig. 2. Splitter box  
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