

TRUCK, UTILITY, LIGHTWEIGHT, FFR, MC2 - LANDROVER 110 - ALL TYPES
TRUCK, UTILITY, LIGHT, FFR - LANDROVER SERIES 3 - ALL TYPES
TRUCK, CARGO, LIGHT, FFR, MC2 - LANDROVER 110 - ALL TYPES

REWIRING OF THE 28V VOLTMETER CIRCUIT

MODIFICATION INSTRUCTION

This instruction is authorised for use by command of the Chief of the General Staff. It provides direction, mandatory controls and procedures for the operation, maintenance and support of equipment. Personnel are to carry out any action required by this instruction in accordance with GENERAL A 001.

Reference: Issue of this instruction is authorised by the CONMEA

Introduction

1. This instruction details the rewiring of the voltmeter circuit in the distribution box of the subject vehicles to prevent the batteries from slowly discharging when the vehicle is not in use.

General

2. Estimated Modification Time. 30 mins (initial planning only).
3. Priority. Group 2. Vehicles are to be modified when next in workshops for repair. Vehicles held in store should be modified before issue unless this would delay priority issue, in which case, the Record Books for Service Equipment - Army shall be endorsed with any outstanding modifications.
4. Modification to be Applied to. All subject vehicles.
5. Items Affected. Voltmeter and distribution box.
6. Action Required. By RAEME units and support elements authorised to carry out unit, field and base repairs.

Detail

7. The modification is to be carried out as detailed below:
 - a. Disconnect the radio batteries.
 - b. Remove the front cover from the distribution box and remove the main switch from the cover.
 - c. Disconnect the voltmeter sense wire, cut off the connector, strip 10mm of insulation from the wire end and re-connect the wire to the switched side of the main switch.
 - d. Refit the main switch to the front cover and refit the cover to the distribution box.
 - e. Re-connect the radio batteries and test the operation of the voltmeter. The meter should indicate radio battery voltage with the main switch in the ON position only.
8. Modification Record Plate. Deface the numeral 2 on the modification plate located under the lid of the distribution box.

Note:

1. If modification plate is not fitted, fit a new plate (NSN 9905-66-016-3534 Plate, Modification Record, Aluminium, Pressure Sensitive) to the underside of the distribution box lid.

9. Recording. Enter the details of the modification in the GM-120, Record Book for Service Equipment - Army, of the subject vehicle.

10. Summary. Figures 1 and 2 are included as aids for future circuit checking and repairs to the 28V distribution system.

Note:

1. Associated EMEI will be amended in due course to reflect this modification.

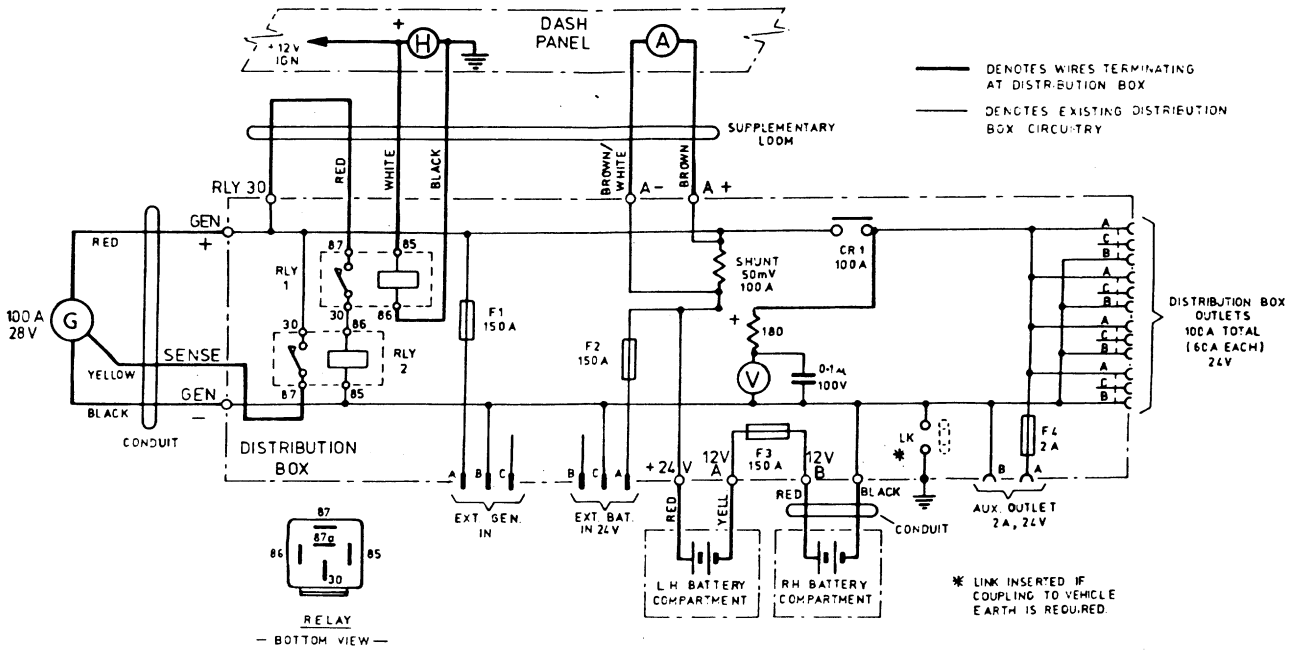


FIG 1 - CIRCUIT DIAGRAM OF 100A 28V DISTRIBUTION SYSTEM (SERIES 3)

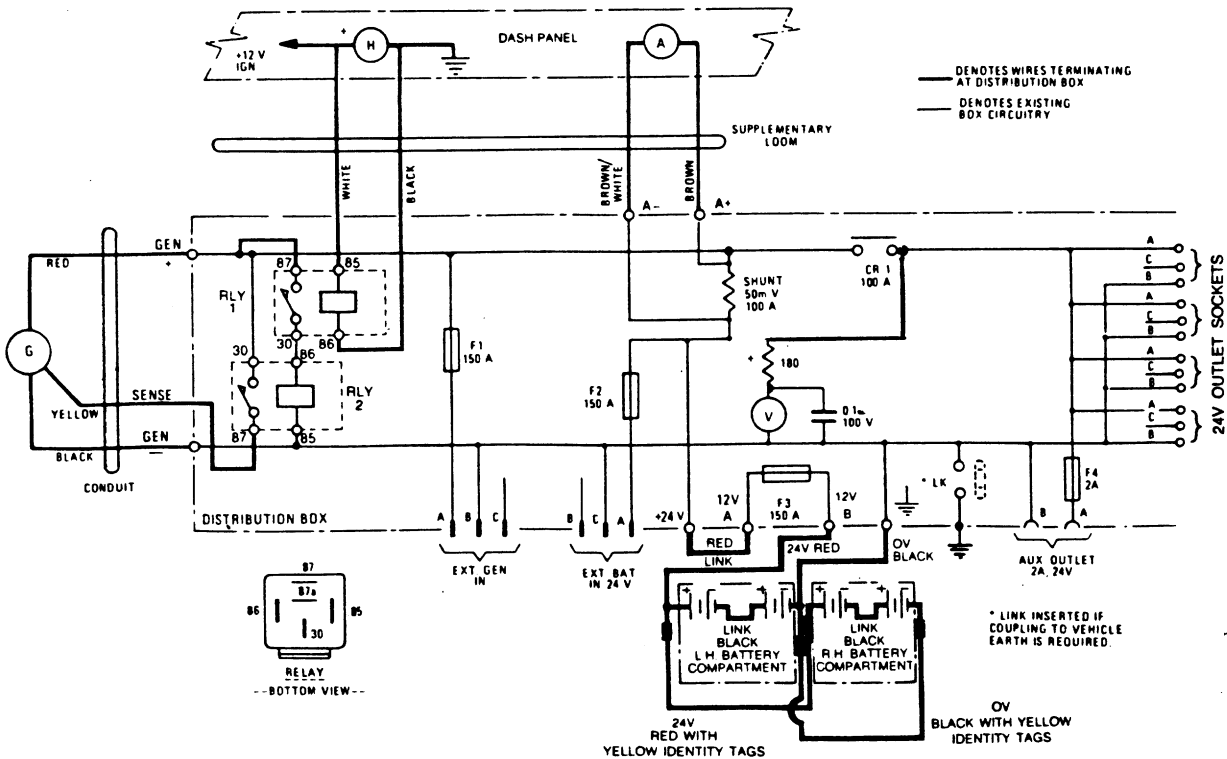


FIG 2 - CIRCUIT DIAGRAM OF 100A 28V DISTRIBUTION SYSTEM (110)

E N D

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