

TRUCK, HEAVY, MC3 (MACK) - ALL TYPES
MODIFICATION OF VOLTMETER CIRCUIT

MODIFICATION INSTRUCTION

Introduction

1. This instruction details the altering of the battery voltmeter circuit so that the voltmeter operates through the ignition switch and not straight off the battery.

Note:

1. NSN and Designation used in this instruction were current at the date of issue. If twelve months or more have expired since issue, the NSN should be checked for supersession.

General

- 2. Estimated Manhours to Perform. 0.2 (initial planning only).
- 3. Priority. Group 2.
- 4. Modification to be Applied to. All subject vehicles.
- 5. Items Affected. Vehicle Volt meter and Coolant Temperature gauge.
- 6. Action Required. By RAEME units authorized to carry out unit, field and base repairs in accordance with WKSP A 850.

TABLE 1 - STORES REQUIRED (To be demanded through normal supply channels)

Item	NSN	Designation	Qty per Equip
1.	5940-66-077-0146	'UTILUX' SUPERGRIP Q.C. RECEPTACLE	1
2.	NIC	'UTILUX' BLUE INSULATED PIGGY BACK Q.C.	1
3.	6145-66-026-6285	WIRE ELEC INSULATED 16 - 0120 3 mm Brown	200 mm

7. Stores to be Removed. Nil.

Detail

- 8. To carry out the modification, proceed as follows:
 - a. Remove Blue-Red (Purple-Red) wire from positive terminal of voltmeter and insulate wire by taping back on itself.
 - b. Using 200 mm of Brown 3 mm wire crimp a piggy back quick connect receptacle on one end and a quick connect receptacle on the other end.
 - c. Remove Brown wire from positive terminal of Coolant Temperature gauge and install piggy back end of Modification wire on to terminal.
 - d. Replace Coolant Temperature gauge Brown wire on to piggy back tab.
 - e. Install other end of Mod wire on to positive terminal of voltmeter.

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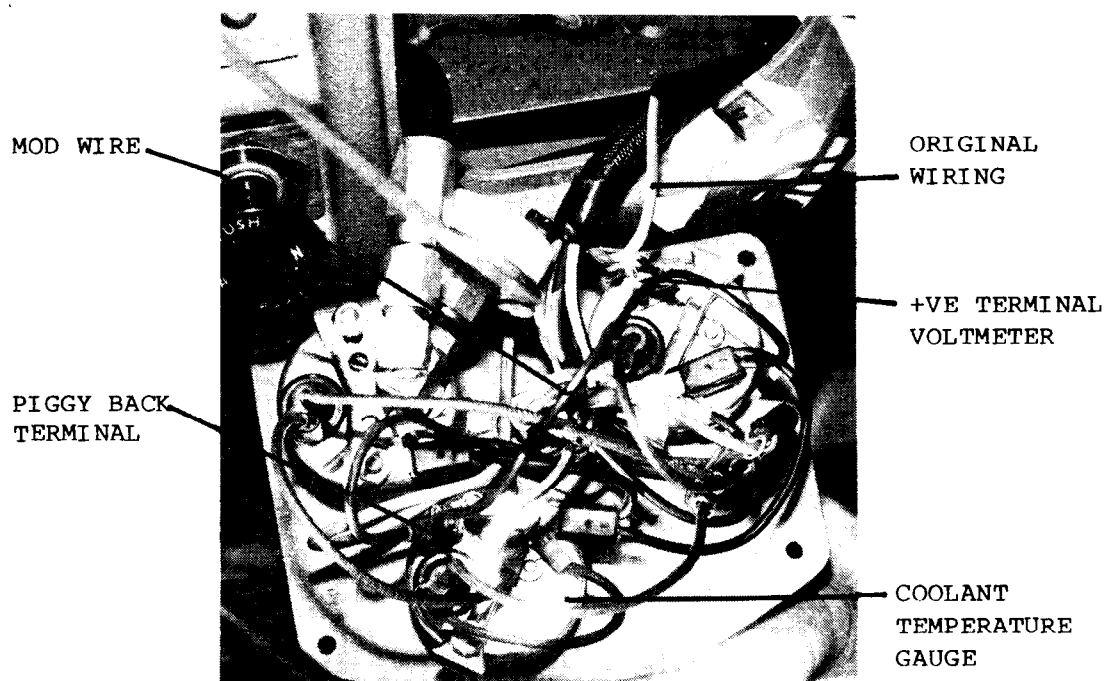


FIG 1 - MODIFICATION OF VOLTMETER CIRCUIT

Modification Record Plate

9. The modification is to be recorded as follows:
- a. Truck Cargo/Truck Cargo Winch heavy MC3 (Mack) deface the numeral 13.
 - b. Truck Cargo with Crane Heavy MC3 (Mack) deface the numeral 14.
 - c. Truck Ammunition/Truck Gun Tractor Heavy MC3 (Mack) deface the numeral 13.
 - d. Truck Dump/Truck Dump Winch Heavy MC3 (Mack) deface the numeral 10.
 - e. Truck Tank Fuel/Truck Tank Water Heavy MC3 (Mack) deface the numeral 9.
 - f. Truck Bitumen Distributor Heavy MC4 (Mack) deface the numeral 5.
 - g. Truck Transit Mixer Heavy MC3 (Mack) deface the numeral 6.
 - h. Truck Wrecker Heavy MC3 (Mack) deface the numeral 6.

E N D

Class 26.0 - Code 4 (MEA 137/86E)

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