

## TRUCK, TANK, FUEL, HEAVY, MC3 - MACK

### REPLACEMENT CABIN MAP LIGHT

## MODIFICATION INSTRUCTION

This instruction is authorised for use by command of the Chief of Army. 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 EMEI GENERAL A 001.

#### Introduction

1. This instruction details the replacement of the cabin map light. MSLMD has been investigating faults with the existing maplight switching mechanism. Whilst the existing light in a serviceable condition is safe, an incident has occurred where the ceramic coating has fallen off the switch mechanism, resulting in an electrical short circuit.

2. As this has potential safety implications, the map light is to be replaced to ensure that the vehicle meets the requirements to carry dangerous goods.

3. *Associated Publications.* Reference may be necessary to the latest issue of the following documents:

- a. EMEI Workshop A 850 – Modifications, Trial Modifications and Local Modifications to Equipment;
- b. EMEI Workshop A 851 – Recording Modifications to Equipment – Use of Modification Record Plates and Documentary Requirements;
- c. EMEI General P section – Stores Procedure; and
- d. EMEI Vehicle G 703, Issue 1, Mar 1984 – Truck, Cargo, Heavy, MC3 Mack, Truck, Cargo, Winch, Heavy, MC3 Mack, Unit Repair.

4. *Authority.* This document is issued on the authority of NFM MDM/HVY B Vehicles (MSLMD).

#### General

5. *Modification Application.* This modification is to be applied to all Truck, Tanker, Fuel, Heavy, MC3 Mack vehicles.

6. *Items Affected.* This modification alters the cabin map light assembly.

7. *Priority - Group 2.* All applicable equipment is to be modified:

- a. when next in a workshop for Light, Medium or Heavy Grade repair; or

- b. prior to issue from depot or pool stock.

#### NOTE

**Where modification would delay priority issues of depot or pool stock, equipment may be issued unmodified providing the equipment record book is endorsed appropriately.**

8. *Action Required.* Actions detailed in this instruction are to be performed by RAEME workshops (or unit tradespersons) authorised to carry out Light Medium or Heavy Grade repairs.

#### NOTE

**On receipt of this instruction, enter all relevant information other than date completed in the modifications section of the equipment Record Book for Service Equipment (GM 120).**

9. *Estimated Manhours.* For initial planning purposes only, it is estimated that this modification will take 1 manhour to perform.

10. *Stores Required.* The stores required are listed in Table 1. Modification kits will be force issued to all units holding subject vehicles.

11. *Items to be Removed.* The items to be removed are listed in Table 2. All stores removed are to be processed in accordance with the EMEI General P section.

#### Detail

12. *Replacement of Map Light Assembly.* The procedure is as follows:

- a. Disconnect vehicle batteries.
- b. Remove existing map light in accordance with the reference detailed in Para 3d.
- c. Drill four 3 mm map light mounting holes in dash in accordance with Figure 1.
- d. Drill one 8 mm hole to enable maplight wiring to be connected in accordance with Figure 1.

- e. Replace existing light bulb in new map light with 24 volt bulb (Table 1, Item 2).
- f. Mount new maplight (Table 1, Item 1,) in accordance with Figure 2.
- g. Connect maplight wiring to existing wiring loom.
- h. Reconnect vehicle batteries.

**13. Post Modification Testing.** Test map light to ensure that it works.

**14. Recording Action.** On completion of the modification, the following action is to be taken:

- a. Deface the number 16 on equipment modification record plate.
- b. Complete the modification details in the equipment Record Book for Service Equipment (GM 120).

c. Forward the modification completion details to:

Fleet Manager Heavy B Vehicles  
 Mobility Systems Logistic Management  
 Directorate  
 GPO Box 840J  
 MELBOURNE VIC 3001

d. The return should include the following information:

- (1) Modification No: EMEI Vehicle G 747-6
- (2) Unit: eg 1 CSSB
- (3) Equip ARN:
- (4) Completion Date:

**Table 1 - Stores Required**

Item	NSN	Mfr Part No	Designation or Description	Unit of Issue	Qty per Kit	Qty per Equip
1		Hella 2633	Map Light	ea	1	1
2	5340-66-128-5862	R392954	Retaining Hook	ea	1	1
3		HL244	Bulb	ea	1	1
4			Screws (From unit resources)	ea	4	4
5			Electrical Connections (from unit resources)	ea	2	2

**Table 2 - Items to be Removed**

Item	NSN	Mfr Part No	Designation or Description	Qty per Equip
1	6210-66-090-5669	2630	Light, Panel Map Reading	1

UNCONTROLLED WHEN PRINTED

