

**TRUCK, HEAVY, MC3, MACK - ALL TYPES**  
**RELOCATION OF THE PASSENGER WEAPON BRACKET**  
**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 and relocation of the passenger side Steyr weapon bracket in the Mack 'R' series FOV cab. This modification is necessary to avoid fouling of the Steyr cocking handle against the air conditioning piping and the butt and stock against the passenger seat. In addition, this modification will improve security of the Steyr F88SA1C (Carbine) and FA88SA2 (Rifle) with weapon stowage clip assembly.
2. The modification kit contains a replacement barrel clip and the necessary fasteners to carry out the relocation by unit maintainers either in barracks or in the field.
3. **Associated Publications.** Reference may be necessary to the latest issue of the following documents:
  - a. Technical Regulation of ADF Materiel Manual – Land (TRAMM-L); and
  - b. Electronic Supply Chain Manual (ESCM).
4. **Authority.** EC-005668 is the authority to carry out this modification.

**GENERAL**

5. **Modification Application.** This modification is to be applied to all subject vehicles (excluding HRV and hardened cab variants).
6. **Items Affected.** This modification effects the following assemblies:
  - a. Weapon clip (NSN: 5340-66-128-5508), and
  - b. Weapon butt box (NSN: 2540-66-128-5542).
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 technical maintenance organisations authorised to carry out Light, Medium or Heavy Grade Repairs. Inspections and repairs are to be carried out by the following qualified tradespeople:
  - a. Fitter Armament – ECN 146;
  - b. Vehicle Mechanic – ECN 229; or
  - c. Tri-Service / civilian equivalent.

**NOTE**

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

**9. Task Recording.** The conduct of this modification is to be recorded on a SDSS Work Order using MILIS Standard Job Number: 002109.

**10. Estimated Workhours.** For initial planning purposes only, it is estimated that this modification will take one work hour to perform.

**11. Stores Required.** The stores required are listed in Table 1. All stores are to be demanded through normal supply channels.

**Table 1 Stores Required**

Item	NSN	Mfr Part No	Designation or Description	Unit of Issue	Qty per Kit	Qty per Equip
1	2590-66-161-6987	GS0001	Kit, Bracket, Vehicular Components	kt		1
2	5340-66-157-3104	1000090	Strap, Retaining Clip Assy, Wpn	ea	1	
3		APRBRKT0001	Bracket	ea	1	
4			14 gauge x 25 mm Tek screws	ea	4	

**12. Items to be Removed.** The items to be removed are listed in Table 2. All stores removed are to be processed in accordance with ESCM, Volume 4, Section 3 – Supply Management Processes, Stores Accounting General.

**Table 2 Items to be Removed**

Item	NSN	Mfr Part No	Designation or Description	Qty per Equip
1	5340-66-128-5508	MYH3386	Clip, Spring Tension, Olive Drab, Nylon	1

**DETAIL**

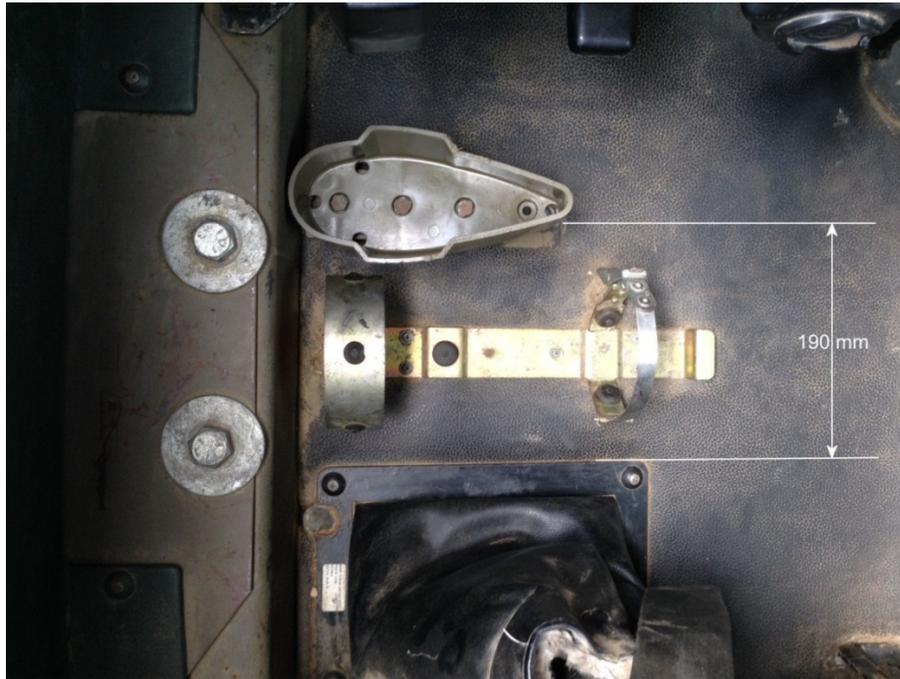
**NOTE**

Due to the age of the fleet and current configurations it may be necessary to move the fire extinguisher bracket, in order to fit this modification. If this is the case, relocate the bracket as near as possible to the butt box.

**NOTE**

In the Gun Tractor variant the canvas document pouch (located directly under the rear window) will need to be removed in order to carry out this modification.

- 13.** To relocate the passenger side weapon bracket butt box assembly, proceed as follows:
- a.** Remove the existing passenger side weapon clip from its mount and discard.
  - b.** Remove the existing passenger side butt box and its mounting bracket as an assembly from the cab floor.
  - c.** Relocate the butt box and its mount to a position parallel to and 190 mm (centre line of the butt box mount) from the left hand edge of the transfer case gear shift boot surround and hard up against the rear cab sill. Refer to Figure 1.



**Figure 1 Relocate Butt Box**

- d. Mark, drill and secure the butt box and mount in position using the existing fastener.
- e. Assemble the new style weapon stowage clip to its mounting plate using the four fasteners supplied.

**FITMENT OF THE WEAPON BRACKET UTILISING A WEAPON.**

- 14. To relocate the passenger side weapon bracket assembly, proceed as follows:
  - a. Dummy mount the new stowage clip and mounting bracket assembly to the barrel of the FA88A2 rifle so that it is positioned in the space on the barrel between the gas plug and the bayonet boss. The release lever knob needs to be facing the driver's seat.
  - b. Place the weapon into the butt box and ensure that it is orientated vertically above the butt box.
  - c. Position the retaining clip and bracket so that the underside of the release lever is level with the lower end of the bayonet boss thread (refer to Figure 2).



**Figure 2 Clip Positioning**

- d. Mark the position of the retaining clip mounting plate holes on the rear wall of the cab.

**CAUTION**

**This section of the cab is double panelled. Ensure that any drilling is only through the inner panel.**

**The top mount holes index with a roll form of the inner skin and for this reason, the lower mount screws are to be fitted first.**

- e. Drill pilot holes (5 mm) for the lower two mounting screws in to the first skin only (drill bit depth should not exceed 20 mm).
- f. In the first instance, secure the lower portion of the retaining clip mount to the rear cab wall using two of the 14 gauge x 25 mm Tek screws supplied.
- g. Secure the upper portion of the retaining clip mount to the rear wall using the remaining two 14 gauge x 25 mm Tek screws.
- h. The final weapon mount configuration is illustrated at Figure 4.

**FITMENT OF THE WEAPON BRACKET WITHOUT A WEAPON.**

15. To relocate the passenger side weapon bracket assembly, proceed as follows:
- a. Using a metal rod or tube, place one end into the already positioned butt box assembly and the other into the weapon bracket clip.
  - b. Place the weapon bracket clip against the cab rear wall, ensuring it is both vertically and horizontally in line with centre of the butt box assembly.
  - c. Measure 530 mm from the base of the cab sill to the centre of the left hand lower securing screw hole. (refer to figure 3)



**Figure 3 Weapon Bracket Measurement**

- d. Drill pilot holes (5 mm) for the lower two mounting screws in to the first skin only (drill bit depth should not exceed 20 mm).
- e. In the first instance, secure the lower portion of the retaining clip mount to the rear cab wall using two of the 14 gauge x 25 mm Tek screws supplied.
- f. Secure the upper portion of the retaining clip mount to the rear wall using the remaining two 14 gauge x 25 mm Tek screws.
- g. The final weapon mount configuration is illustrated at Figure 4.



**Figure 4 Final Mount Position**

**16. Recording Action.** On completion of the modification, the following action is to be taken in accordance with TRAMM-L:

- a. Deface the number 64 on the modification record plate.
- b. Complete the modification details in the GM 120 (part three) – Record Book for Service Equipment.
- c. **Change the MSO600 record for the Veh ARN within MILIS.** This is done by accessing the MSE600 record for the specific Veh ARN, navigating to the “Reference Codes” tab, and selecting “Y - YES” on the drop-down box against Mod strike number allocated. Click “SUBMIT” to save the change.

**END**

(Sponsor: CGSV SPO, Medium/Heavy B Vehicles)  
(DMO Job No EC-005668)