

TRUCK, DUMP, HEAVY, MC3 – MACK

BODY PIVOT BRACKET AND BUSH

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 fitting of modified lower dump body pivot brackets complete with a non-metallic bush and the locking of the body pivot bar to the upper pivot bracket. This alters the point of rotation of the body pivot bar from the upper pivot bracket to the lower pivot bracket and reduces the excessive wear being experienced between the upper pivot bracket and the body pivot bar.
2. The modification bracket is fitted with a self lubricating non-metallic bush (NSN 3120-66-133-5020) which is a sacrificial item. The bush is to be replaced when its inner diameter exceeds 41.275 mm (1.625 in) or it is greater than 3 mm out of round.
3. **Associated Publications.** Reference may be necessary to the latest issue of the following documents:
 - a. [EMEI Vehicle G 734](#);
 - b. Technical Regulation of Army Materiel Manual (TRAMM) (available from DTR-A website <http://intranet.defence.gov.au/armyweb/Sites/DTRA>);
 - c. TRAMM, Volume 3, Section 2, Chapter 2, Fleet Engineering Change Management Process;
 - d. Electronic Supply Chain Manual (ESCM), Volume 4, Section 3 – Supply Management Processes, Stores Accounting General (ESCM website <http://defweb.cbr.defence.gov.au/home/documents/departmental/manuals/ESCM/index.htm>); and
 - e. ESCM, Volume 6 – Manage Repairable Items.
4. **Authority.** Job number MEA 860298 is the authority to carry out this modification.

GENERAL

5. **Modification Application.** This modification is to be applied to all vehicles on issue or in service storage.
6. **Items Affected.** This modification alters the lower dump body pivot bracket.
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. when wear in the upper dump body pivot bracket is evident.

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 technical maintenance organisations authorised to carry out Light, Medium or Heavy Grade Repairs by tradesperson ECN 229 – Vehicle Mechanic or 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. Estimated Work Hours. For initial planning purposes only, it is estimated that this modification will take 3.0 work hours to perform.

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

NOTE

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.

Table 1 Stores Required

Item	NSN	Designation or Description	Unit of Issue	Qty Per Equip
1	5306-66-019-4140	Bolt Machine UNC 3/8 in X 3-1/2 in Lg	EA	1
2	5310-66-019-8498	Nut Self-locking UNC 3/8 in	EA	1
3	2590-66-135-1329	Bracket, Tray, Pivot, L/H	EA	1
4	2590-66-135-1330	Bracket, Tray, Pivot, R/H	EA	1

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 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		X50RC440	Bracket, Dump Body Pivot, Lower R/H	1
2		X50RC439	Bracket, Dump Body Pivot, Lower L/H	1
3	5305-66-122-5176	7AX244	Screw, Cap, Socket Head	2

DETAIL

Replacement of the Lower Dump Body Pivot Brackets

12. Replace the brackets as follows:

- a. Remove and discard the two grub screws (Table 2, Item 3) from the lower dump pivot bracket.
- b. Remove the body pivot bar in accordance with EMEI Vehicle G 734.
- c. Remove and discard the existing (un-modified) lower dump body pivot bracket (Table 2, Item 1 or 2).
- d. Fit the new bracket (Table 1, Item 3 or 4) to the dump body.

NOTE

If the bracket mounting bolt holes do not align with the chassis bolt holes, re-work the bracket, not the chassis.

- e. Repeat the process for the other side lower dump pivot bracket.
- f. Fit the body pivot bar in accordance with EMEI Vehicle G 743.

NOTE

Replace the body pivot bar if worn.

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Locking of the Body Pivot Bar

- 13.** Lock the body pivot bar as follows:
- a.** Remove and discard the grease nipple from the two upper dump pivot brackets.
 - b.** Drill a 10 mm diameter hole through the right-hand upper dump pivot bracket and the body pivot bar, using the grease nipple hole as a guide.
 - c.** Lock the body pivot bar to the right-hand upper dump pivot bracket bar with the bolt and self-locking nut (Table 1, Items 1 and 2).
- 14. Recording Action.** On completion of the modification, the following action is to be taken in accordance with TRAMM, Volume 3, Section 2, Chapter 2, Annex D:
- a.** Deface the number 16 on the vehicle modification record plate.
 - b.** Complete the modification details in the GM 120 – Record Book for Service Equipment.
 - c.** Forward the modification completion details using form GM 119 – Advice of Change in Build State (TRAMM, Volume 3, Section 2, Chapter 3, Annex C) to:

Fleet Manager Med/Hvy B Vehicles
LV SPO, DMO
Level 7 Defence Plaza Melbourne, Bourke St.
MELBOURNE VIC 3000

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END

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