

TRUCK, LIGHT, MC2, LAND ROVER 110 6X6 – ALL TYPES

FUEL INJECTOR UNIQUE IDENTIFIER

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 procedure for stamping a unique identifying mark onto the Land Rover 6x6 fuel injector. The modification involves the stamping of the letter 'T' onto the body of the fuel injector to allow for quick identification between the 4x4 and 6x6 type injectors.
2. Isuzu has made this necessary due to changes to the injector body, with the only difference between the two types of injectors being the spray pattern. The spray pattern plays an important role in the performance of the turbo and non-turbo engines.
3. **Associated Publications.** Reference may be necessary to the latest issue of the following documents:
 - a. Technical Regulation of Army Materiel Manual (TRAMM) (available from DTR-A website <http://intranet.defence.gov.au/armyweb/Sites/DTRA>);
 - b. TRAMM, Volume 3, Section 2, Chapter 2, Fleet Engineering Change Management Process;
 - c. Defence Supply Chain Manual (DSCM), Volume 4, Section 3 – Supply Management Processes, Stores Accounting General (DSCM website <http://dknl009.car.defence.gov.au/dscm/index.htm>); and
 - d. DSCM, Volume 6 – Manage Repairable Items.
4. **Authority.** Engineering Change Order (ECO) LT B 003/05 – Fuel Injector Unique Identifier is the authority to carry out this modification.

GENERAL

5. **Modification Application.** This modification is to be applied to all stock on issue to units and to all injectors installed to any Land Rover 6x6 variant.
6. **Item Affected.** This modification alters the Injector Assembly, Fuel (NSN 2910-66-128-5538).

NOTE

There is NO requirement to remove any injectors from the vehicle when completing this modification.

7. **Priority – Group 2.** All applicable equipment is to be modified in the following situations:
 - a. injectors in engine – when vehicle next in a workshop for Light, Medium or Heavy Repair;
 - b. prior to issue from depot or pool stock; or
 - c. stock on shelf – before issue and when stamp is available.

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.

NOTE

On receipt of this instruction, enter all relevant information other than date completed in Part 3 of the GM 120 – Record Book for Service Equipment for each vehicle.

9. Estimated Workhours. For initial planning purposes only, it is estimated that this modification will take 0.10 workhours to perform.

10. Special Equipment Required. Equipment required to complete this modification is the letter ‘T’ from Die Set, Metal Stamp, 3/32 inch or 2.5 mm (NSN 5110-66-013-7668). The letter stamp can be borrowed through local JLU or CSSBs utilising the short-term loan procedures.

DETAIL

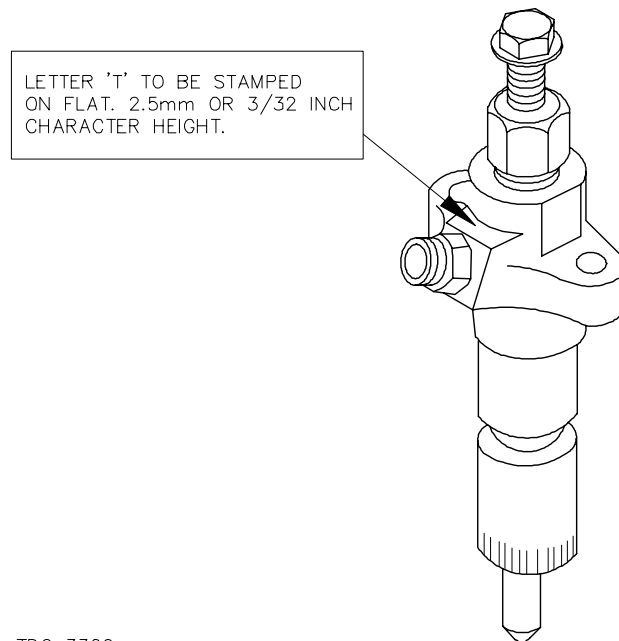
11. Modification of Injector Fuel. The procedure is as follows:

- a. clean the area of the fuel injector, where the letter is to be stamped, with water, to remove any excess dirt (Figure 1); and
- b. with a hammer, stamp a single letter ‘T’ centrally on the injector body housing.



Ensure engine is not running and park brake is applied before carrying out this modification.

12. Recording Action. Enter all relevant modification information in Part 3 of the GM 120 – Record Book for Service Equipment for each vehicle.



TDC 3300

Figure 1 Injector, Fuel (NSN 2910-66-128-5538)

END

Distribution List: **VEH G 20.0 – Code 2** (Maint Code)
(Sponsor: LV SPO, Lt B Veh Section)
(DMO Job No ECO LT B 003/05)

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