

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

FITTING OF FRONT COIL SPRING RETAINERS

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 retainers to the front coil spring lower seats on all Land Rover 6x6 variants, to prevent dislodgment of the springs from their seats during cross-country operations.

General

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

- a. TRAMM – Technical Regulation of Army Materiel Manual;
- b. EMEI Workshop A 851 – Recording Modifications to Equipment – Use of Modification Record Plates and Documentary Requirements; and
- c. Land Rover Australia Engineering Change 2786.

3. **Authority.** Engineering Change Order (ECO) No LR6X6-0007 is the authority to carry out this modification.

4. **Modification Application.** This modification is to be applied to all Land Rover 6x6 variants.

5. **Items Affected.** This modification alters the front coil spring lower seat on all Land Rover 6x6 variants.

6. **Priority - Group 1.** Continued operation of vehicles is authorised provided that:

- a. The parts (Table 1, Item 1) are ordered on receipt of this instruction for all Land Rover 6x6 variants.
- b. The modification detailed in paragraphs 11 and 12 is completed within 20 working days of the receipt of stores in the owner unit.
- c. The springs are inspected weekly to ensure correct positioning on the seats, until the modification is completed.

7. **Action Required.** The modification detailed in paragraph 11 is to be performed by RAEME units or sub units 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 (Record of Modifications) of the vehicle Record Book for Service Equipment (GM 120).

8. **Estimated Workhours.** For initial planning purposes only, it is estimated that this modification will take 1.00 workhour to perform.

9. **Items to be Removed.** There are no items to be removed.

10. **Stores Required.** The stores required are listed in Table 1 for all variants.

Detail

11. The procedure for fitting of the front coil spring retainers is as follows, with reference to Figure 1 for the retainer position:

- a. Remove the nuts, cup washers, rubber bushes and sealing washers securing each front shock absorber to the axle casing and raise the shock absorbers.
- b. Remove the lower spring seat retaining bolts, pass the new lower retainers (Table 1, Item 1) through the spring coils and using the seat retaining bolts (apply Loctite 271 to the bolt threads) secure the retainers to the spring seat.
- c. Install the rubber bushes, cup washers, and seating washers to the shock absorbers and secure the shock absorbers to the axle casing with a new lock nut.

12. **Post Modification Testing.** Road test the vehicle and check all new components for security.

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

- a. Deface number 36 on the Land Rover 6x6 modification record plate located on the driver's seat base.
- b. Complete the modification details in Part 3 of the GM 120, Record Book for Service Equipment, for the subject vehicles.

14. Reporting Action. Unit is to submit a GM 119 (Advice of Change in Build State) in accordance with the TRAMM, Vol 3, Sect 2, Chap 2, Annex D, Para 1e. A list of the vehicles modified by ARN can be attached to a single GM 119.

15. The GM 119 is to be forwarded to the following address:

Attn: National Fleet Manager
 Light B Vehicles
 Mobility SPO, DMO
 Victoria Barracks
 St Kilda Road
 SOUTHBANK VIC 3006

Table 1 – Stores to be Ordered to Complete the Modification – All Land Rover 6x6 Variants

Item	NSN	Mfr Part No	Designation or Description	Unit of Issue	Qty per Equip
1	2510-66-149-0661	AYG4352	Spring Retainer, Front Lower Seat	ea	2

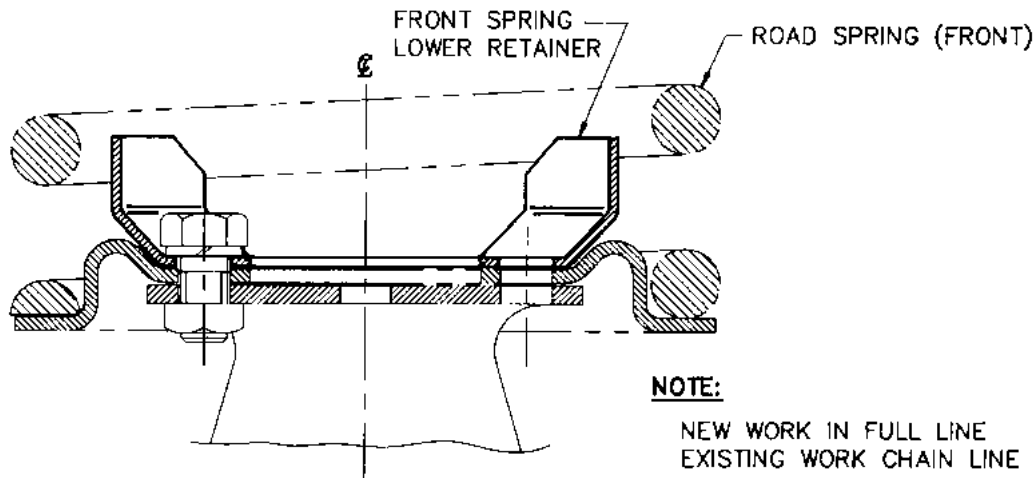


Figure 1 – Front Lower Spring Seat Retainer

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Distribution List **VEH G 20.0 – Code 2** (Maint Level)
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