

TRUCK, CARGO, LIGHT, MC2, LAND ROVER 110 6X6 - ALL TYPES

REPLACEMENT OF THE REAR AND INTERMEDIATE AXLE REBOUND STRAP
RETAINING CLIPS AND REWORK OF THE BRAKE PIPE PROTECTOR PLATE

MODIFICATION INSTRUCTION

This EMEI is authorised for issue by the CGS. It provides direction, mandatory controls and procedures for the operation, maintenance and support of equipment. Personnel are to obey the instructions and follow the procedures contained in this publication.

Introduction

1. This instruction details the replacement of the existing "L" shaped axle rebound strap retention bracket with a "C" shaped retainer which totally encloses the rebound strap. In addition the brake pipe protector plate is also to be reworked to reduce the possibility of it being bent due to impact damage. Some vehicles have had the modified retainers fitted in production but all require the plate to be reworked.

Note:

1. NSN/MPN and Designation used in this instruction were current at the date of issue. If twelve months or more have expired since issue, the NSN/MPN should be checked for supersession.

General

2. Estimated Modification Time. 1.00 hr (initial planning only).
3. Priority. Group 1.
4. Modification to be Applied to. All Land Rover 110, 6x6 as follows:
 - a. The following ARN ranges require the fitment of the "C" retainer and the protector plate reworked.
 - (1) 50501 - 51957; and
 - (2) 200058 - 200089.
 - b. The following ARN ranges only require the protector plate to be reworked:
 - (1) Truck, General Maintenance, Light - all from 51958;
 - (2) Truck, Crew Cab, Light (Parakeet) - all from 200200; and
 - (3) Truck, Cargo, Light - 200236, 200237, 200238.
5. Items Affected. Axle rebound strap retainer and brake pipe protector plate.
6. Action Required. By RAEME units authorised to carry out unit, field and base repairs as detailed in Log Comd EME Programme 26/91.

TABLE 1 - STORES REQUIRED TO COMPLETE THE MODIFICATION
(to be demanded through Moorebank Logistic Group)

Item	DSN	Designation	Qty per Equip
1.	2540-97-121-2995	Kit, Retainer, Rear Axle Rebound Strap, JRA No BYG7001, comprising items 1 to 4 in Table 2	1

Note:

1. Parts kits are provided by Land Rover Australia at no cost to Army and are not to be procured locally. Kits are to be only ordered on the basis of one kit per vehicle and are not to be ordered for stock.

TABLE 2 - COMPONENTS CONTAINED IN MODIFICATION KIT
(Not to be indented for to complete modification)

Item	MPN/NSN	Designation	Qty per Equip
1.	BYG7000	Retainer, "C" shaped	4
2.	5305-99-122-5356	Screw, Metric, 5 mm dia, 16 mm lg, JRA No SH105161	4
3.	5310-99-122-3032	Washer, Flat, 5 mm ID, JRA No WC 105001	4
4.	5310-99-122-5494	Nut, Metric, 5 mm dia, JRA No NY105041	4

TABLE 3 - COMPONENT TO BE DESTROYED

Item	MPN	Designation	Qty per Equip
1.	AYG0493	Retainer, L shaped	4

Detail

7. The modification is to be carried out as follows:
 - a. Disconnect each axle rebound strap from the chassis mounting point.
 - b. Remove the existing "L" shaped axle rebound strap retention clips from the intermediate and rear axle brake pipe protector plates (straighten any bent plates).

Notes:

1. The "L" shaped retainer is to be cut in half and disposed of.
 2. Retain the mounting screws for use with the new rebound strap retainer.
- c. Inspect the rear and intermediate axle brake pipes and replace any damaged pipes.

- d. Rework the brake pipe protector plates by cutting a section approximately 50 mm x 20 mm, as shown in Fig 1, ensuring that the retainer clip mounting holes are not cut away.

Notes:

1. The protector plates can be reworked in situ using a small grinder. If a grinder is not available the spring U bolts will have to be removed and the axles raised to allow the protector plates to be removed for rework and the axles and U bolts refitted, as described in EMEI VEH G 203, paragraphs 190-192.
2. Oxy-Acetylene cutting is not to be used to rework plates on the vehicle.

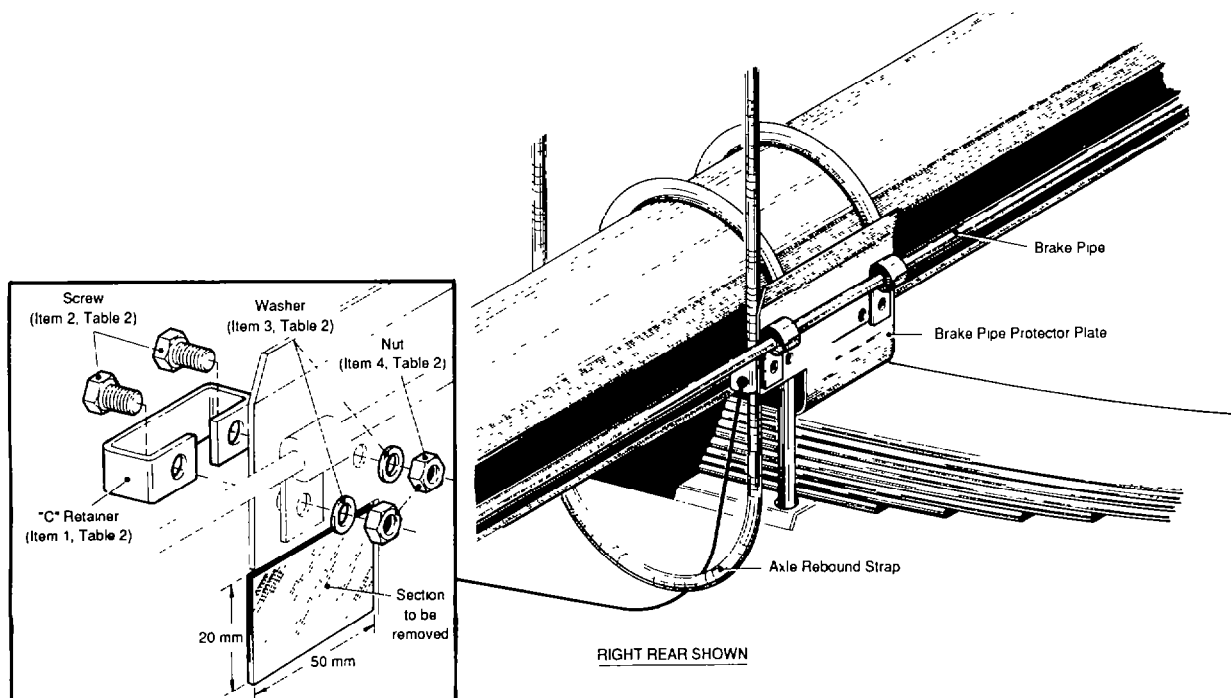


FIG 1 - REWORK OF BRAKE PIPE PROTECTOR PLATE AND FITMENT OF "C" SHAPED REBOUND STRAP RETAINER

- e. Attach the "C" retainers (item 1 from Table 1) to the brake pipe protector plates using the existing mounting bolts, washers and nuts and the new mounting screws, washers and nuts (items 2, 3 and 4 from Table 1), as shown in Fig 1.

- f. Fit the axle rebound straps through the 'C' retainers and refit the rebound straps to the chassis mounting points.

8. Modification Record Plate. Deface the numeral 18 on the modification plate located on the drivers seat base, including the vehicles modified in production.

9. Recording. Enter the details of the modification in Part 3 of the TGM 120, Record Book for Service Equipment, for the subject vehicles, including the vehicles modified in production.

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