

TRUCK, LIGHT, MC2, ALL TYPES - LAND ROVER 110 6X6
FITMENT OF A SECURING CLIP TO THE TURBOCHARGER OIL FEED PIPE
MODIFICATION INSTRUCTION

This EMEI is authorised for issue by the CGS. It provides direction, mandatory controls and procedures for the 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 fitment of a securing clip to the upper turbocharger oil feed pipe to prevent cracking of the pipe due to engine vibration.

Note:

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

General

- 2. Estimated Modification Time. 0.15 hr (initial planning only).
- 3. Priority. Group 1.
- 4. Modification to be Applied to. Truck, Light, MC2, All Types - Land Rover 110 6X6, up to and including ARN 51913, excluding the following vehicles modified by Land Rover Australia:
 - a. Truck, Ambulance, Light - ARN 50604.
 - b. Truck, Long Range Patrol, Light - ARN'S 50874, 50876, 50878, 50880, 50882, 50883, 50886.
- 5. Items Affected. Upper Turbocharger Oil Feed Pipe.
- 6. Action Required. By RAEME units authorised to carry out unit, field or base repairs.

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

Item	DSN	Designation	Qty per Equip
1.	4710-97-121-2129	Kit, Turbocharger Oil Feed Pipe JRA No BYG 2129 comprising items 1 to 8 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.

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

Item	NSN/MPN	Designation	Qty per Equip
1.	5340-66-128-4546	Clamp, "P" JRA Pt No MYH2697	1
2.	BYG2124	Bracket	1
3.	5305-99-122-5361	Bolt, Metric, 6mm dia, 20mm lg JRA Pt No SH106201	1
4.	5310-99-122-6474	Washer, Flat, 6mm dia JRA Pt No WA106001	2
5.	5310-99-139-5313	Nut, Metric, 6mm dia JRA Pt No NY106041	1
6.	5305-99-122-5365	Bolt, Metric, 8mm dia, 15mm lg JRA Pt No SH108151	1
7.	WA108001	Washer, Flat, 8mm dia	1
8.	5310-99-138-9227	washer, Lock, 8mm dia JRA Pt No WL108001	1

Note:

1. All item numbers in para 7 refer to the parts listed in Table 2.

Detail

7. The modification is to be carried out as follows:
 - a. Remove the air intake hose from the turbocharger to the air cleaner.
 - b. Locate the 8mm diameter tapped hole adjacent to the exhaust manifold rear mounting bolts.
 - c. Fit the "P" clamp (item 1) over the upper turbocharger oil feed pipe.
 - d. Attach the "P" clamp to the support bracket (item 2) using bolt, washers and nut (items 3, 4 and 5) and then attach the support bracket to the exhaust manifold using the bolt and washers (items 6, 7 and 8), as shown in Fig 1.

Note:

1. Lubricate the support bracket to manifold mounting bolt (item 6) with engine oil before assembly and hold the oil feed pipe securely while tightening the bolt.
- e. Refit the air intake hose.

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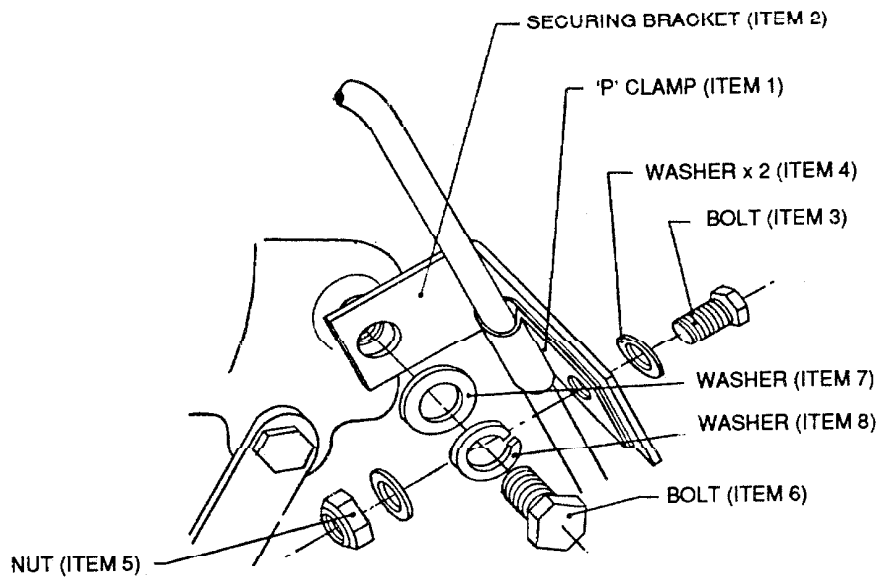


FIG 1 - TURBOCHARGER OIL FEED PIPE SECURING CLIP

8. Modification Record Plate. Deface the numeral 16 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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