

TRUCK, AMBULANCE, LIGHT, 4 LITTER, FFR, WINCH,
MC2-LAND ROVER 110 6X6

FITTING OF A SUPPORT BRACKET TO THE AIR
CONDITIONER COMPRESSOR HOSES

MODIFICATION INSTRUCTION

This instruction is authorised for use by command of the Chief of the General Staff. 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 GENERAL A 001.

Introduction

1. This instruction details the fitting of a support bracket to the air conditioner compressor hoses to reduce vibration and subsequent breakage of the hose unions. The instruction is to be read in conjunction with VEHICLE G 229-1, which details replacement of the current air conditioner hoses, on failure.

2. There is no requirement for units to order the modification kits detailed in Table 1 because all parts required to complete the modification will be issued IAW Log Comd EME Programme 41/92. The kit components are detailed in Table 2 for identification purposes and are not to be ordered to complete the modification.

NOTE

NSN, MPN and designations used in this instruction were correct at the time of issue. If twelve months or more have passed since issue then the NSN or MPN should be checked for supersession.

General

3. *Associated Publication.* The latest issue of the following references should be read in conjunction with this instruction:

- a. EMEI Workshop A 850 - Modifications, Trial Modifications and Local Modifications to Equipment;
- b. EMEI Workshop A 851 - Modifications to Equipment - Use of Modification Record Plates and Documentary Requirements; and
- c. EMEI Vehicle G 229-1.

4. *Authority.* Land Rover Australia Engineering Change 2212.

5. *Estimated Modification Time.* 1.0 hr (initial planning only)

6. *Priority.* Group 2:

- a. All equipments on issue to units are to be modified when next in workshops for repair.
- b. All equipments held by supply units should normally be modified before issue, however where this would delay priority issues equipments may be released unmodified provided their GM 120, Record Book for Service Equipment, is endorsed with details of the outstanding modification.

7. *Modification to be Applied to.* All Trucks, Ambulance, Light, 4 Litter, FFR, Winch - Land Rover 110 6x6 up to and including ARN 50890.

8. *Items Affected.* Air conditioner compressor hoses, Engine and Alternator.

9. *Action Required.* Actions detailed in this instruction are to be carried out by RAEME units or sub units authorised to carry out unit, field and base repairs.

10. *Stores Required.* The Stores required are listed in Table 1. Delivery of modification kits will be controlled by Log Comd Fleet Manager, in conjunction with Fleet Managers at Regional Logistic Complexes, and as detailed in Log Comd EME Programme 41/92.

Table 1 - Modification Kit to be Provided IAW Log Comd EME Programme 41/92

Item	DSN/NSN	Designation	Qty per Equip
(a)	(b)	(c)	(d)
1	2540-97-121-3051	Kit, Air Conditioner, Compressor Hose JRA No BYG2150 comprising items 1 to 8 in Table 2	1(1)(2)
<p>Notes:</p> <ol style="list-style-type: none"> Parts kits are provided by Land Rover Australia at no expense to Army and are not to be procured locally. Kits are supplied on the basis of one kit per vehicle and are not to be ordered for stock. Any problems with modification kit delivery or parts deficiencies are to be referred to the Regional Fleet Manager at the supporting Logistic complex. 			

Table 2 - Components Contained In Modification Kit (to assist parts identification and NOT to be indented for to complete modification)

Item	NSN	MPN	Designation per Equip	Qty
(a)	(b)	(c)	(d)	(e)
1	-	BYG2140	Bracket	1
2	-	SH210135	Bolt, metric fine, 10mm dia	2
3	-	MYH3691	"P" Clip, No 8 AMC Part No 20-3111	1
4	-	MYH3680	"P" Clip, No 10 AMC Part No 20-3112	1
5	5305-99-122-5363	SH106301	Screw, metric coarse, 6 mm dia, 30 mm lg	1
6	-	NY106001	Nut, metric coarse, 6 mm dia	1
7	5310-99-122-6474	WA106001	Washer, flat, 6 mm 1D	1
8	-	MYH3692	"P" Clip Double AMC Part No 20-3210	1
<p>Note:</p> <ol style="list-style-type: none"> All item numbers in paragraph 11 refer to the parts listed in Table 2. 				

Fitment of Support Bracket.

11. The modification is to be carried out as follows, with reference to Fig 1 for component location.

- Inspect the airconditioner hoses and replace damaged hoses as detailed in Vehicle G 229-1.
- Remove the two rearmost bolts from the LHS front engine and alternator mounting bracket.
- Fit the support bracket (item 1) to the engine mount using new longer mounting bolts (item 2)(the aircon hoses should be resting on top of the bracket at this stage).
- Fit the "P" clips (item 3 and 4) to the hoses and attach the clips to the support bracket using screws, nuts and washers (item 5,6,7).

e. Fit the double "P" clip (item 8) around the aircon hoses adjacent to the exhaust pipe and fit to existing bolt.

12. **Record Action.** On completion of the modification:

- deface the numeral 22 on the modification plate located on the drivers seat base including the vehicles modified in production; and
- Recording.** Enter the details of the modification in Part 3 of the GM 120, Record Book for Service Equipment, for the subject vehicles, including the vehicles modified in production.

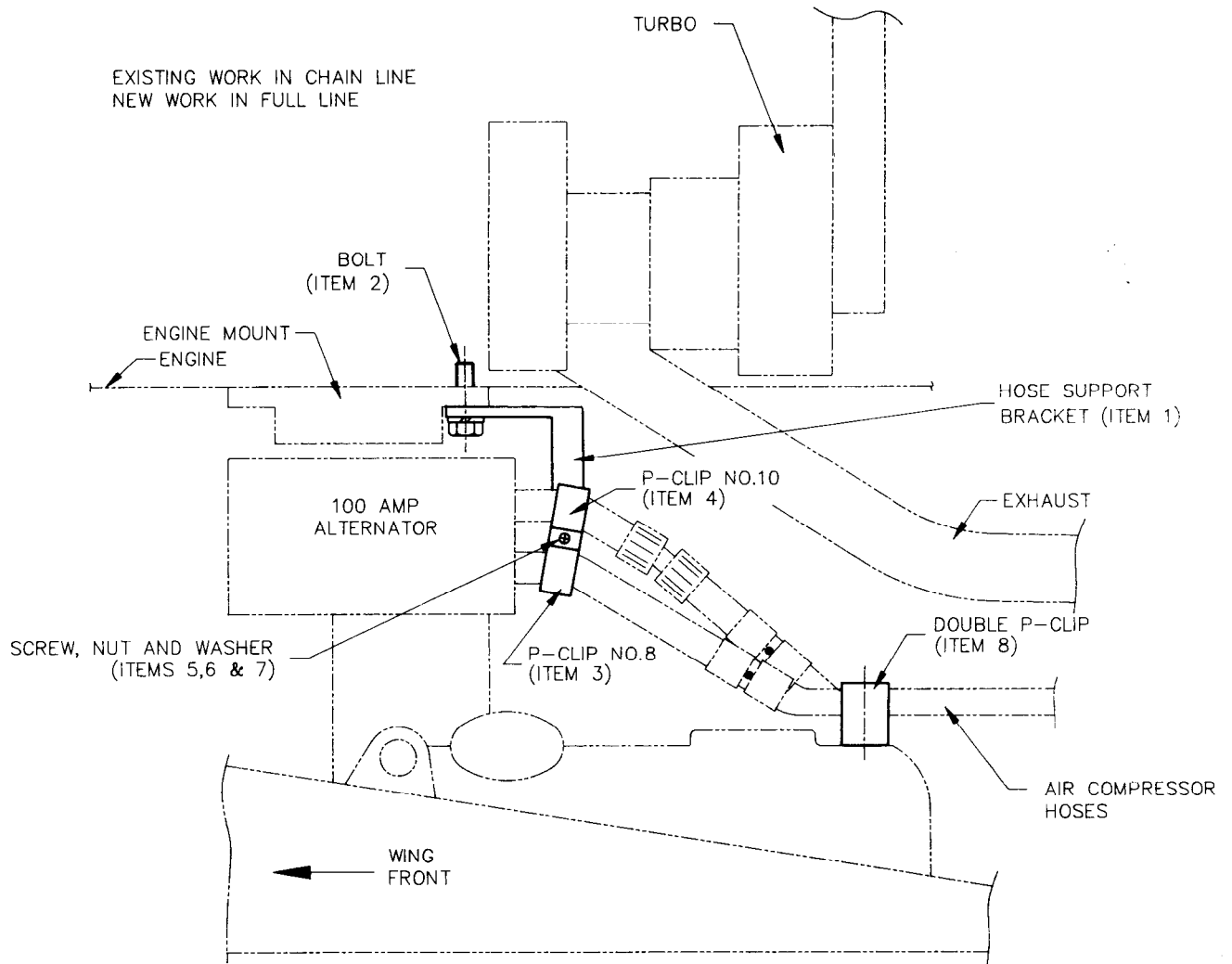


Figure 1 - Air Conditioner Hose Support Bracket

UNCONTROLLED WHEN PRINTED

END

List VEH G 22.0 - Code 4 (MEA 910529)