

TRUCK MEDIUM MC2 (UNIMOG) ALL TYPES
WATER PUMP JOCKEY PULLEY BRACKET

MODIFICATION INSTRUCTION

Issue of this instruction is authorised by the CONMEA.

Introduction

1. Breakage of the subject pulley bracket has continued even after the additional welding detailed in VEH G 617-5. This instruction details the fitting of an additional gusset to the pulley bracket and, combined with the reduced alternator output (VEH G 619-11 refers), should eliminate further breakages.

2. VEH G 617-5 is to be cancelled.

Note:

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

General

3. Estimated Manhours to Perform. 1.2 (initial planning only).

4. Modification to be Applied to. All subject trucks up to and including ARN 43219 and all engine assemblies (NSN 2815-66-112-9387) in stock and on issue to units.

5. Priority. Group 2. The modification is to be carried out during the next service or when the vehicle is next in workshops for repairs, whichever occurs first. Engine assemblies are to be modified either prior to issue or prior to fitting for those currently on issue to units.

Note:

1. Engine assemblies sealed in Method II (Dessicated) packages are not to be modified until time of fitment. Endorse the outside of the container with the warning "EMEI VEH G 617-12 to be carried out before fitting".

6. Item Affected. Water pump jockey pulley bracket.

7. Action Required. By RAEME units authorised to carry out unit, field and base repairs, in accordance with WKSP A 850.

TABLE 1 - STORES REQUIRED (To be demanded through normal supply channels)

| Item | NSN | Designation | Qty per Equip |
|------|---|---|---------------|
| (a) | (b) | (c) | (d) |
| 1. | 3439-66-031-1018 | ELECTRODE WELDING MILD STEEL | as required |
| 2. | NIC | METAL BAR CARBON STEEL FLAT 40MM BY 6MM THICK | 130mm |
| 3. | 9905-66-016-353 ² X | PLATE MODIFICATION, RECORD, ALUMINIUM | 1 |
| 4. | 8040-66-092-6951 | ADHESIVE 5 MINUTE DRYING TIME DUAL CONTAINERS 200ML EACH | as required |

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7. Stores Removed. Nil.

Detail

8. Remove the pulley bracket from the engine and proceed as follows:
 - a. Inspect the bracket for cracks and that all welding conforms to Fig 1.
 - b. Weld if required in accordance with WKSP B 010.
 - c. Manufacture a gusset as shown in Fig 2 using item 2, Table 1.
 - d. Fit and weld the gusset to the bracket as shown in Fig 3.
 - e. Paint the bracket in accordance with WKSP B 700.
 - f. Refit the bracket and adjust belt tension in accordance with VEH G 603.

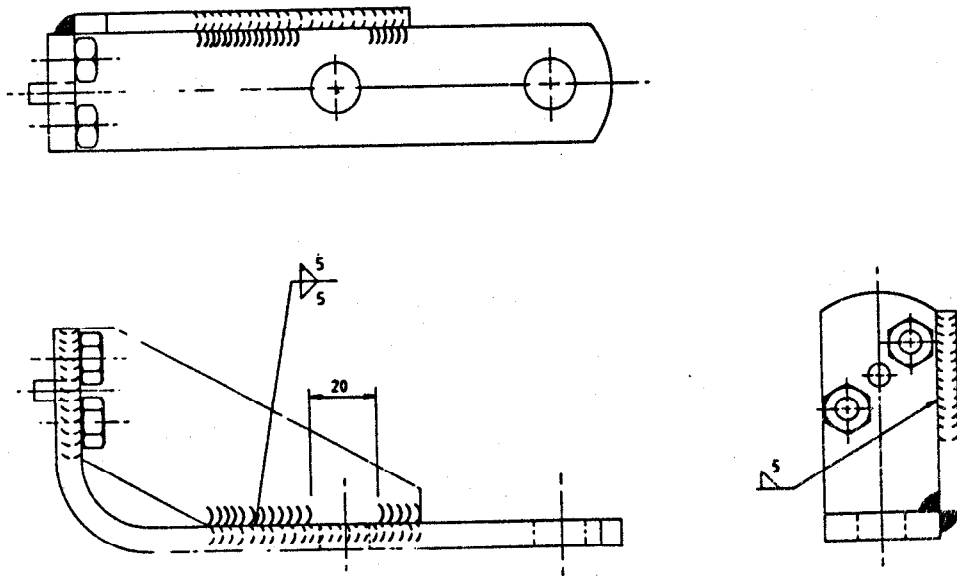


FIG 1 - BASIC BRACKET WELDING

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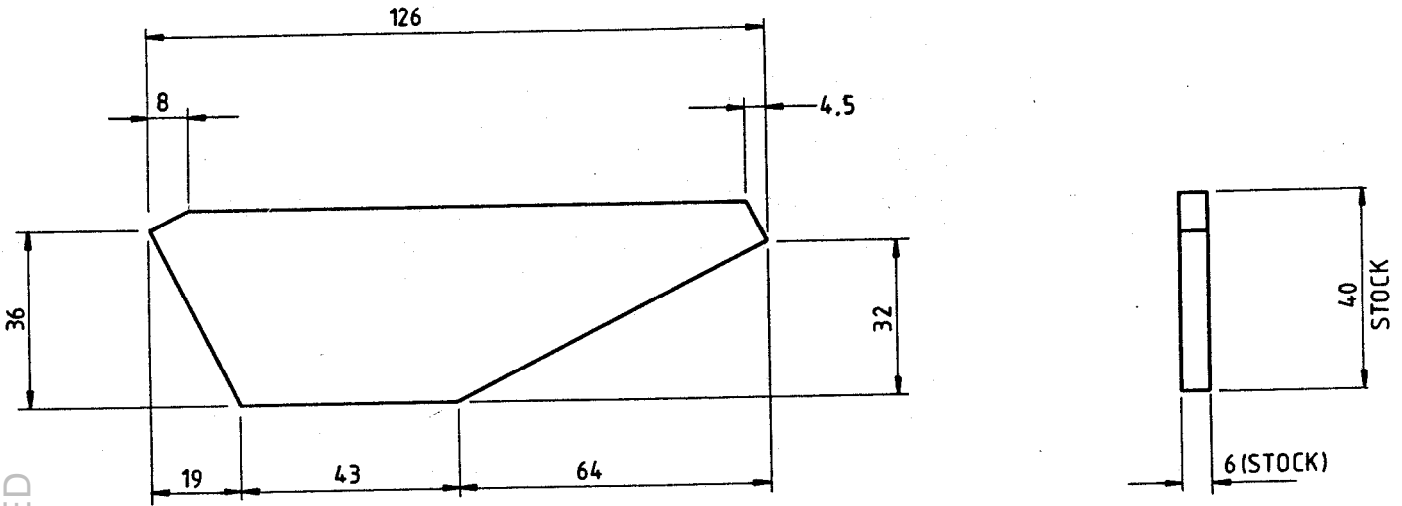


FIG 2 - STRENGTHENING GUSSET DETAILS

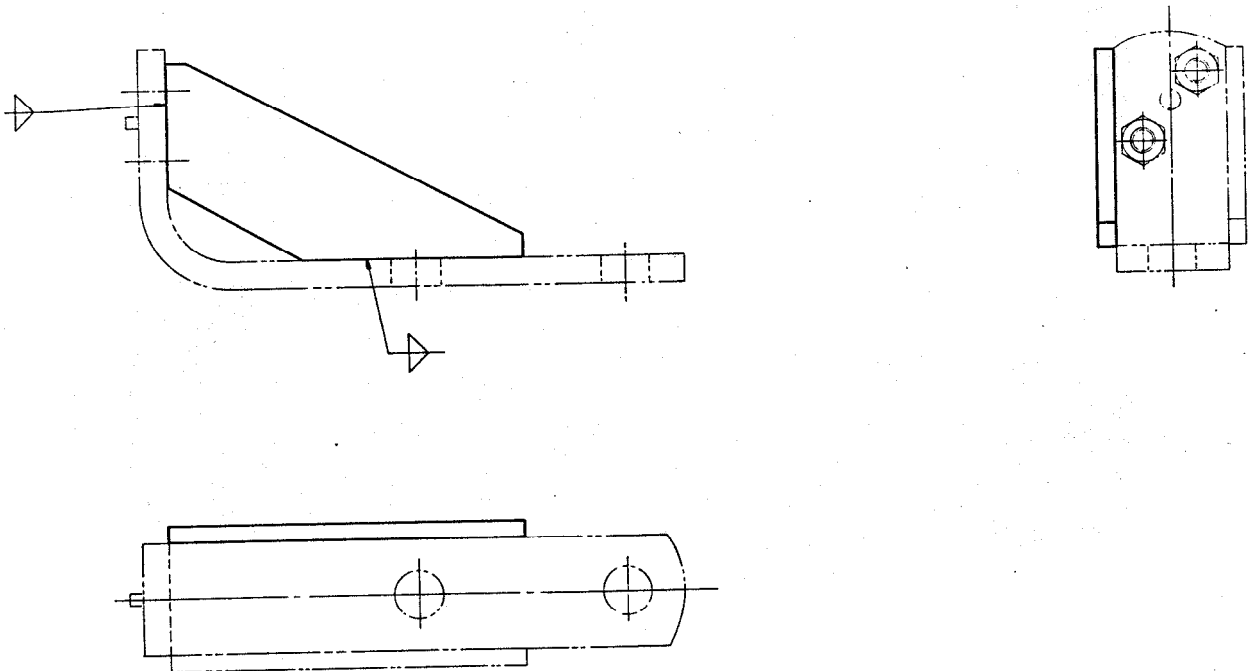


FIG 3 - ASSEMBLY WELDING DETAILS

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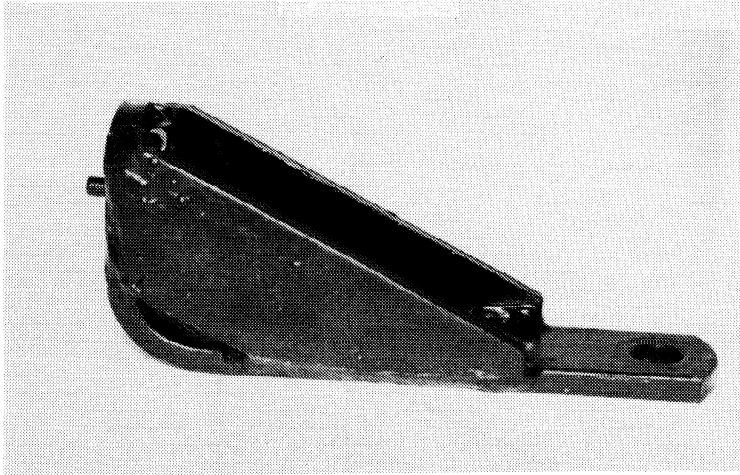


FIG 4 - MODIFIED BRACKET

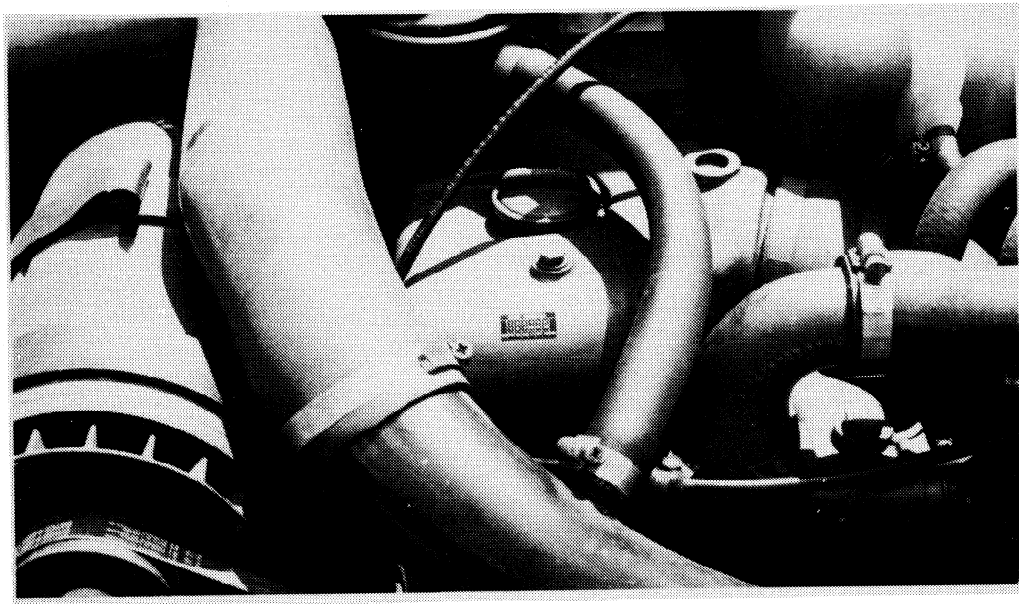


FIG 5 - ENGINE MODIFICATION PLATE LOCATION

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Modification Record Plate

9. Fit the modification record plate (item 3, Table 1) using item 4, Table 1 to the engine as shown in Fig 5 and deface the Numeral 1.

Documentation

10. Details of the modification are to be entered in the TGM 120 Record Book for Service Equipment of all the subject trucks and on all engine history cards.

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