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TRUCK GS 1 TONNE 4 x 4 ROVER

TECHNICAL HANDBOOK - MODIFICATION INSTRUCTION

Notes ...

- (1) This Issue 2, Pages 1 to 5/6, dated Apr 87 supersedes Issue 1, pages 1 to 5/6 dated Nov 86. Instruction completely revised.
- (2) This instruction is issued to the RAF as AP 4545N Vol 2 Leaflet No B91 AL No 215.

SUBJECT: Fuel gauge
(12-180/2)

INTRODUCTION

1 To overcome difficulties in obtaining 24V fuel gauges, when existing stocks are exhausted 12V components will be issued in lieu. When a 12V in lieu item is received this instruction is to be carried out using the items listed in para 8.

Note ...

The fuel level will be checked by operating the 'press to test' switch which has been included in the circuit because the 12V components can cause radio interference.

1.1 Limitations on use of equipment. NIL

APPLICABILITY

2 Truck, 1 tonne, 4 x 4, FFR (FV 19000 series) held by user units.

REASON FOR MODIFICATION

3 Code 6 - non-availability of 24V components.

PRIORITY

4 ARMY: Routine
RAF: Class 3

ESTIMATED TIME REQUIRED

5 Embodiment: 2 man-hours.

MODIFICATION IMPLEMENTATION PLAN

6

6.1 This modification is to be implemented by:

Army - Units authorised to carry out levels 2, 3 and 4 maintenance on receipt of 12V components.

RAF - Units on receipt of 12V components.

6.2 Associated modification instructions. Nil

6.3 Modification plate strike action: NA

Action required by:

7

7.1 Units and establishments holding equipment

7.1.1 Examine vehicle documents to see if modification is applicable.

7.1.2 ARMY - Examine vehicle to see if modification is embodied and where necessary units with 1st Line REME support demand the stores required.

RAF - Examine vehicle to see if modification is embodied and where necessary demand the stores required.

7.1.3 ARMY - On receipt of stores, request REME to modify equipment.

7.1.4 ARMY - Record the modification Subject, EMER number and Army Modification Code in vehicle documents.

RAF - Record modification details on RAF Form 4870 and AF G1084A.

7.2 ARMY units authorised to carry out levels 2, 3 and 4 maintenance and RAF units

7.2.1 ARMY - When requested by users or during overhaul of vehicles on charge without REME 1st Line Support, obtain the items listed in para 8 and carry out this modification.

RAF - On receipt of stores, embody the modification.

7.2.2 Record completion details of modification against appropriate entry in vehicle documents.

7.2.3 Complete AF G1084A when reporting completion of the modification to Data Centre using the following FORWARD codes:

ARMY: EQUIPMENT CODE: Refer to para 2
MODIFICATION CODE: NN0000

RAF: MODIFICATION CODE: AFN 117

7.3 ARMY - All recipients of this instruction. Add particulars to EMER Wheeled Vehicles Q057 Mod Instr Index.

Stores, tools and equipment

8

8.1 Stores to be demanded

8.1.1 On receipt of a 12V component demand the necessary items from those listed below to carry out the modification.

<u>Item No</u>	<u>COSA Section</u>	<u>NSN/Part No</u>	<u>Designation</u>	<u>Qty per veh</u>
1	6MT1	6680-99-805-3627	Fuel gauge 12V	1
2	6MT4	6680-99-822-1385	Fuel level unit 12V	1
3	6MT4	6110-99-805-8846	Voltage stabiliser 12V	1
4	6MT4	5920-99-834-1931	In-line fuse holder	1
5	6MT4	5930-99-817-3669	Switch	1

8.2 Stores or suitable equivalent to be obtained locally

6	Z32	5920-99-059-0110	Fuse, 2 amp	1
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8.3 Stores to be removed and reduced to scrap

7		560761	Fuel gauge 24V	1
8		579324	Fuel level unit 24V	1

Sequence of operations

9 Carry out the instruction as follows:

Note ...

The item numbers of para 8 are used as references throughout this instruction.

9.1 Disconnect the wires to the existing fuel gauge and level unit, cut them off at the harness and insulate the bare end of the wires.

- 9.2 Remove and discard the fuel gauge (item 7) and the level unit (item 8).
- 9.3 Fit the new fuel gauge (item 1) and level unit (item 2).
- 9.4 Fit the voltage stabiliser (item 3) and the switch (item 5) in suitable positions on the vehicle.
- 9.5 Using the in-line fuse holder (item 4), fuse (item 6) and suitable wire and terminals, connect the fuel gauge circuit as shown in Fig 1.
- 9.6 Operate the switch (item 5) and ensure the fuel gauge functions correctly.

Testing after embodiment

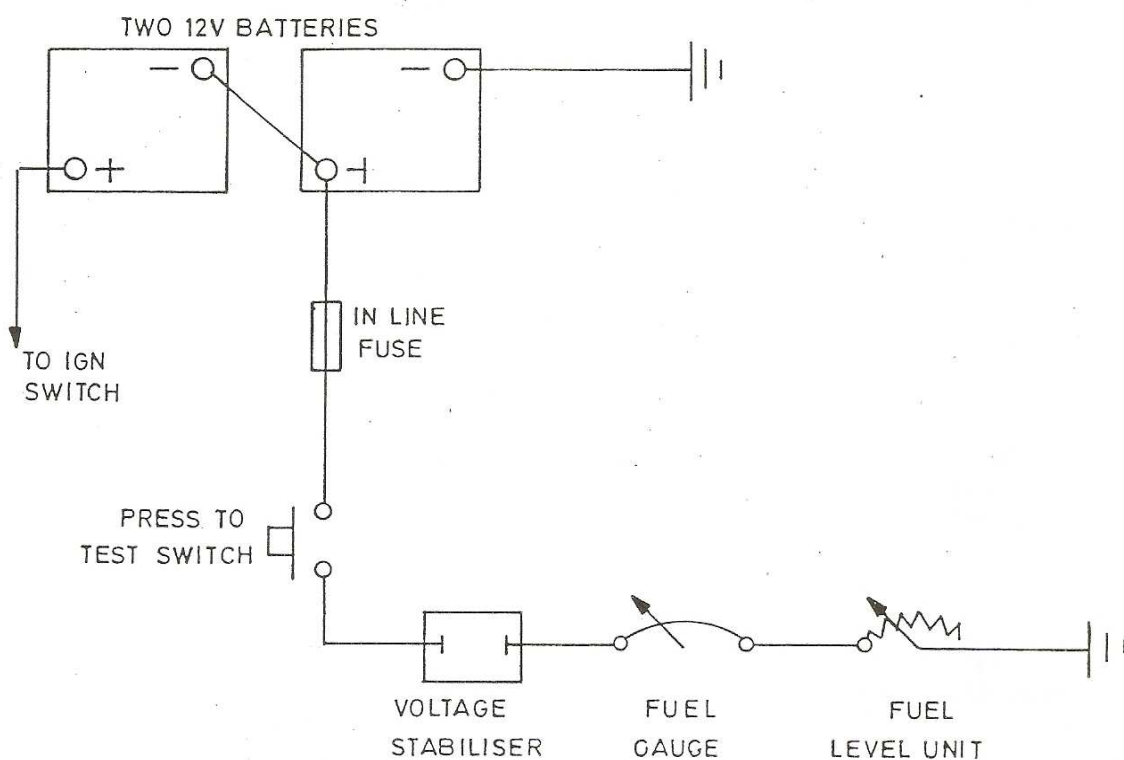
10 Nil

EFFECT ON WEIGHT

11 Negligible

PUBLICATION AMENDMENTS

12 Nil



V7804/1

Fig 1 Schematic layout of 12V fuel gauge

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