

TRUCK UTILITY LIGHTWEIGHT MC2 - LAND ROVER SERIES 3 - ALL TYPES  
ENGINE OIL FILTER

MODIFICATION INSTRUCTION

Introduction

1. Instances of incorrect engine oil filter assembly on the subject vehicle have been reported. Investigation has shown that it is common for the engines to be using unfiltered oil which is considered to contribute to the high level of engine failures.
2. This modification details the work to be carried out to ensure correct engine oil filter operation and to prevent loss of components when the oil filter is changed.
3. This instruction has been revised and changes are sidelined.

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. .5 (initial planning only).
4. Priority. Group 1. This modification is to be carried out on receipt of this instruction.
5. If the vehicle to be modified is within 10 percent of its next service interval, the service should be carried out at the same time.
6. Modification Application. To all subject vehicles.
7. Items Affected. Engine oil filter assembly.
8. Action Required. By RAEME workshops and support elements whom carry out servicing.

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

Item	NSN	Designation	Qty per Equip
1.	2940-66-126-7748	KIT OIL FILTER	1
2.	5365-66-126-7984	CIRCLIP EXTERNAL	1
3.	5340-99-200-4134	GASKET SEAL	1
4.	5310-99-200-4149	FLAT WASHER	1
5.	5360-66-125-3232	SPRING	1

Detail

9. Refer to Fig 1 and proceed as follows:

- a. Remove the filter bowl from the engine and drain the oil.
- b. Remove the filter element from the filter bowl and inspect components, as shown in Fig 1, and note differences or deficiencies.
- c. Remove components from the filter bowl and clean the filter bowl.
- d. Replace filter bowl components as listed in Table 1 in the following order:
  - (1) Spring,
  - (2) Flat washer,
  - (3) Gasket seal, and
  - (4) Circlip.

Note:

1. The circlip should be eased over the filter bowl centre stem and positioned on the stem so as to retain the other components without compressing the spring.

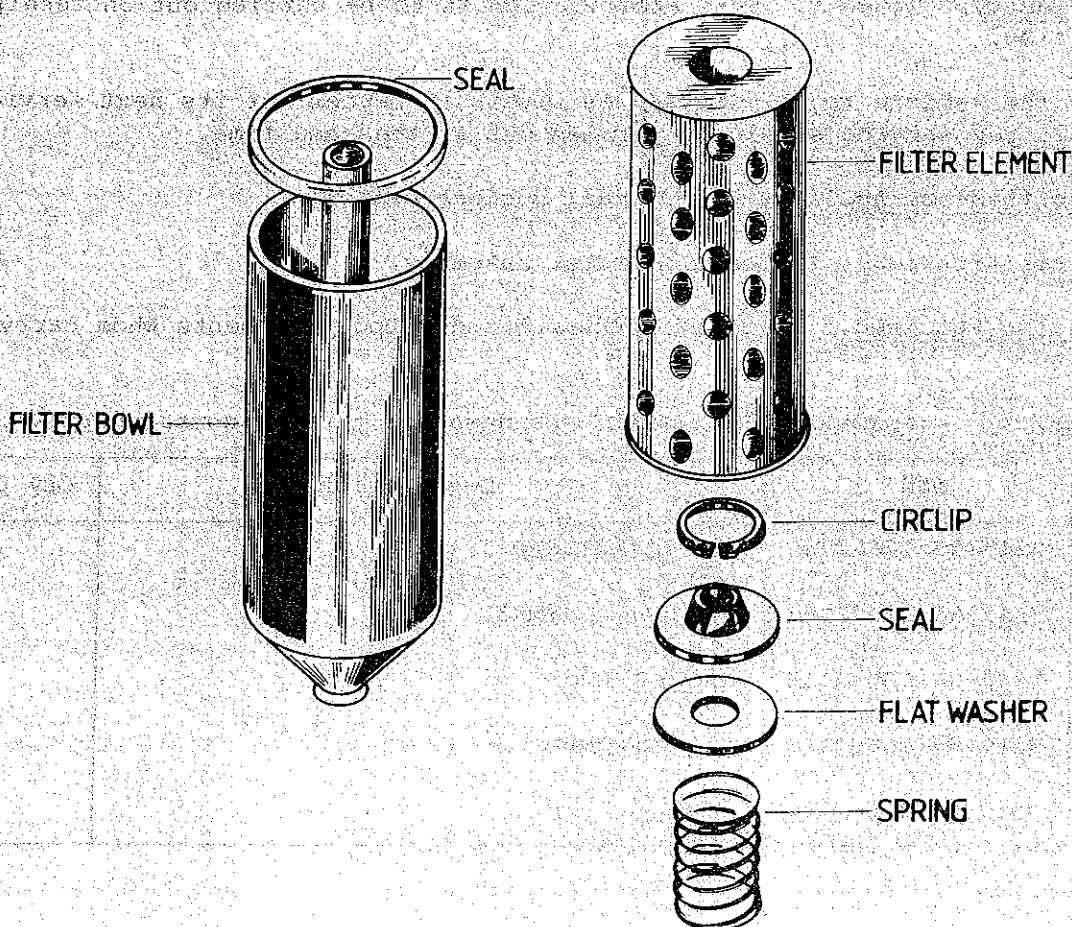


FIG 1 - ENGINE OIL FILTER AND COMPONENT REPLACEMENT SEQUENCE

10. A new filter element should be used if the vehicle is being serviced in accordance with paragraph 5 of this instruction and if there is doubt to its condition.
11. If there were deficiencies noted when inspecting the filter components and therefore the engine has been using unfiltered lubricating oil, the oil should be changed.
12. Refit the filter bowl with oil filter and modified components, using a new sealing ring.
13. Check engine oil for correct level, start engine and inspect for leaks around filter bowl seal.

Documentation

14. Part 3 of the Record Book for Service Equipment TGM 120 is to be endorsed with the date and the number of this instruction when carried out, and deface number 19 on the vehicle modification plate.

E N D

