



Service Department:

THE ROVER COMPANY LIMITED

SOLIHULL
WARWICKSHIRE
ENGLAND

LAND-ROVER SERVICE NEWS LETTER
No. 4

November, 1960

- Item 21** SUBJECT: **CRANKSHAFT REAR MAIN BEARING CAP OIL SEALS**
- MODELS: All Land-Rover 1956 onwards.
- REMARKS: Where oil leakage from the rear main bearing can definitely be established as coming from the rear main bearing cap "T" corks, the leak can be cured by removing the sump and pushing the "T" cork up its groove as far as possible, and then inserting a short section of "T" cork into the gap between the end of the original cork and the crankcase sump face.
This new section of "T" cork should be left standing proud of the crankcase sump face by $\frac{1}{32}$ inch (0,8 mm). The sump can then be replaced.
The above procedure saves the expensive job of removing gearbox, etc., to replace the complete "T" cork.
- Item 22** SUBJECT: **REAR BRAKES**
- MODELS: Land-Rover '109'.
- MODIFICATION: Introduction of wheel cylinders with improved sealing. Rubber dust covers replace metal dust covers.
- PART NUMBERS: Wheel cylinder complete, R.H., GI 64673537 1 521544
Wheel cylinder complete, L.H., GI 64673536 1 521543
Overhaul kit, GI SP 2103 1 523164
- COMMENCING NUMBERS: Rear axles numbered:
Land-Rover 109 models from 151015380 onwards
- REMARKS: The latest type wheel cylinders with rubber dust covers are completely interchangeable with the earlier type, which had metal dust covers fitted. The overhaul kit is, however, only suitable for wheel cylinders with rubber dust covers.
- Item 23** SUBJECT: **RADIATOR BLOCK**
- MODELS: Land-Rover 2 $\frac{1}{2}$ litre petrol.
- MODIFICATION: Introduction of a radiator block with re-designed filler cap which operates at a pressure of 9 lb. per square inch (0,6 kg/cm²).
- PART NUMBERS: Radiator block complete 1 509871
Filler cap for radiator 1 509767
Retaining chain for cap 1 509769
- REMARKS: The latest type radiator block complete can be used on early models provided the radiator grille is modified as shown in the sketch overleaf.
The radiator caps, which can be identified by the figure 9 or 10, as the case may be, representing 9 lb. per square inch (0,6 kg/cm²) and 10 lb. per square inch (0,7 kg/cm²) are not interchangeable, and both types must be serviced.

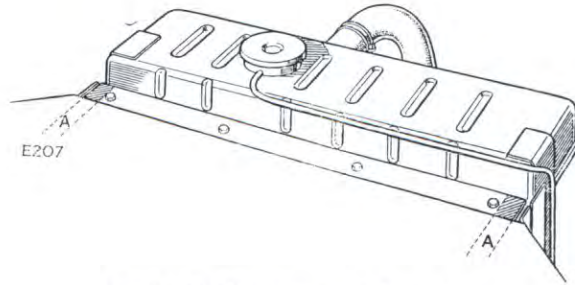


Fig. 1—Modification to radiator grille
A—Cut flange back $\frac{3}{8}$ in. (9 mm) at each side.

Item 24 SUBJECT: **TYRES**
 MODELS: 1960-61 Land-Rover.
 PART NUMBERS: Tyre pump 1 523638
 Connection for tyre pump, with non-return valve 1 524959

REMARKS: Owing to the introduction of a new type Schrader valve, inflation of the tyres by means of the ordinary hand pump beyond approximately 10 lb. per square inch (0,70 kg/cm²) is virtually impossible.
 Complaints from customers that the tyre pump is not effective should be dealt with by removing the existing connection and fitting the new connection, part number 524959. The non-return valve incorporated in this connection allows the tyre to be pumped up to the recommended pressure.
 The latest tyre pump can be identified by the cam lever type valve connection which replaces the knurled nut connection on earlier type pumps.

Item 25 SUBJECT: **12 VOLT A.C./D.C. GENERATOR**
 MODELS: Land-Rover 2½ litre petrol.
 PART NUMBER: A.C./D.C. generator, complete assembly, 12 volt 1 514304

REMARKS: Distributors and Dealers are requested to ensure that any users of Land-Rovers fitted with 12 volt A.C./D.C. generators are conversant with the capabilities of this equipment.
 The 12 volt A.C./D.C. generator, at present specified, is essentially a high output generator for supplying current to the vehicle's own battery and electrical equipment.
 It is for use on Land-Rovers which are fitted with supplementary electrical equipment which may be in constant use when the vehicle is mobile, such as heater, electrical demister, radio receiver, etc., etc.
 The equipment is not intended for vehicles which are operating powerful radio transmitters for long periods while stationary without the engine running; use under these conditions may well exhaust the battery and cause difficulty with starting. A conversion set to enable the generator to charge an additional battery or batteries will shortly be available for vehicles already fitted with the A.C./D.C. generator. This additional battery will not be connected directly to the normal vehicle lighting and electrical circuit, and will thus be available for any heavy duty equipment that may be fitted.
 Details of this conversion kit will be circulated in a News Letter in the near future.

Item 26 SUBJECT: **OPTIONAL EQUIPMENT**
 MODELS: Land-Rover Series II.
 PART NUMBERS: See below

REMARKS: The following optional equipment kits are now available from our Parts Department; they are complete with Fitting Instructions.
 It should be noted that the raised air intake and dust-proofed engine breather are specified only for vehicles which may be operating under extreme conditions of fine dust.

Description	Part No.	Remarks
Raised air intake	517057	This kit is suitable for 2½ litre petrol models only and comprises an air intake for the air cleaner attached to the windscreen, with the engine breather on the top rocker cover connected to an elbow between carburetter and air cleaner. This optional equipment must only be used in conjunction with the dust proofed engine breather described below. It must receive occasional attention by removing the air intake adjacent to the windscreen and blowing out any foreign matter which may be adhering to it.

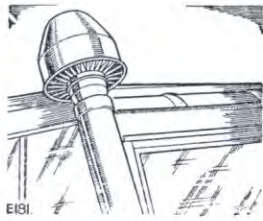


Fig. 2—Raised air intake

Dust-proofed engine breather	517055	Suitable for 2½ litre petrol engines only. This breather replaces the normal oil filler cap. It must not be fitted to vehicles operating under cold and misty conditions.
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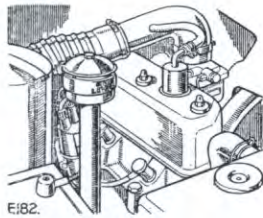


Fig. 3—Dust-proofed engine breather

The oil in the engine breather must be renewed weekly. If, however, the vehicle is operating under extremely dusty conditions, this change of oil should be carried out daily.

When removing the oil bath breather on the oil filler, care must be taken to hold it upright to avoid spilling the oil.

NOTE: On vehicles fitted with a raised air intake and a dust proofed engine breather, the normal air cleaner should be cleaned more frequently.

Fuel pump conversion kit	519043	Suitable for 2½ litre basic petrol vehicles, where it is desirable to replace the mechanical AC pump by an electrical SU pump. The electrical fuel pump is fitted adjacent to the dash vent aperture. See Fig. 4.
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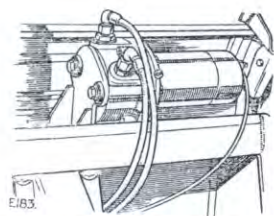


Fig. 4—Electrical fuel pump fitted on dash

Item 27	SUBJECT:	EIGHT-BLADED FAN AND ENGINE TIE ROD
	MODELS:	2 litre Diesel.
	PART NUMBER:	Eight-bladed fan and engine tie rod, Diesel models only 1 511871
	REMARKS:	Please note that the eight-bladed fan and engine tie rod assembly supplied under part number 511871 is suitable for DIESEL models only. For the Land-Rover 2½ litre petrol models use part number 525205.