

Land-Rover Service Newsletter Vol. 3 No. 25



July 1971

The Rover Company Limited Service Department: Solihull, Warwickshire, England

By Appointment to
Her Majesty
Queen Elizabeth II



Manufacturers
of Motor Cars and
Land-Rovers

Item 146 SUBJECT: EDUCATIONAL AIDS (Policy Item)

MODELS: All Land-Rovers.

PART NUMBERS:	Film	Script	Description
	4649	4650	Engine, 2½ litre Petrol and Diesel
	4308	4309	Carburettors and fuel pumps
	4383	4384	Fuel injector servicing
	605209	605210	Land-Rover gearbox, all models, Part One
	605211	605212	Land-Rover gearbox, all models, Part Two
	4304	4305	Front axle assembly
	4306	4307	Differential unit

REMARKS: Personnel involved in the creation of training programmes for the technical staff of their organisation are reminded of the availability of the 35 mm film strips and scripts listed above.

The films contain a large number of separate technical pictures in which every fitting operation has been recorded, in such a manner that the relevant details are clearly presented to the trainee.

It is recommended, if the film is to be used repeatedly, that the film be mounted permanently into either the inexpensive card slide mounts or the stronger framed type mount.

The appropriate script enables the instructor to use the film to full advantage and if it is not convenient to lecture in English, the script can be translated into the language required.

The film strips and scripts are available from the Parts Department at Pengam.

Item 146A SUBJECT: PARTS RETURN (Policy Item, UK only)

MODELS: All Land-Rovers.

REMARKS: The attention of Distributors and Dealers is drawn to the circular letter to Distributors dated 31st March 1971 introducing revised procedures for the return of materials to Rover Parts and Service Departments.

Franchise holders are requested to ensure that all personnel involved in material return are fully conversant with the new procedures so that satisfactory operation will result to the benefit of all concerned.

Item 147 SUBJECT: PISTON SEIZURE

MODEL: Land-Rover 2¼ litre, diesel.

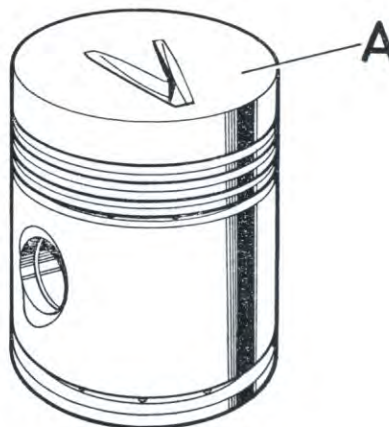
MODIFICATION: Increased grading of piston to cylinder bore clearance.

IDENTIFICATION: All pistons date-stamped D70 onwards comply with this increased grading. (D.70 = April 1970, E.70 = May 1970 etc.).

REMARKS: To minimise piston seizure, there has been a modification to increase the tolerance of the piston to cylinder bore clearance by 0,010 mm (.0004 in.) but there has been no alteration in part number.

Distributors and Dealers involved in investigating cases of piston seizure should check the date-stampings on the piston crowns before taking any action.

If the date of manufacture was later than April 1970, then Product Investigation Section of Technical Service Department should be advised immediately.



IRC 597

Fig. 1 Piston identification
A—Piston crown date stamped

Item 148 SUBJECT: EXHAUST MANIFOLD FIXING KIT

MODELS: Land-Rover, Bonneted and Forward Control models with 2¼ litre petrol engine.

LITERATURE AFFECTED: Land-Rover Parts Catalogue, Bonneted Control models, Part No. 605957, Pages 79, 215, 365.
Land-Rover Parts Catalogue, Forward Control models, Part No. 4862, Page 41.

PART NUMBER: Exhaust manifold fixing kit 1 606988

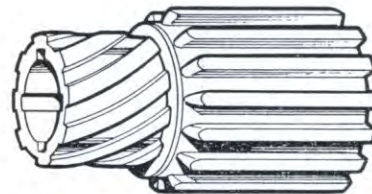
REMARKS: Land-Rover Service News Letter, Vol. 3, No. 13, Item 97 introduced the new exhaust manifold, Part No. 574721, and Distributors and Dealers are reminded of the availability of the fixing kit, Part No. 606988. Fitting instructions were provided in the News Letter item mentioned above but are repeated for the benefit of personnel concerned.

The improved exhaust manifold, Part No. 574721, with fixings is completely interchangeable with the earlier manifold and fixings. It will be supplied for all service replacements on 2¼ litre petrol engines. It will be necessary either to fit a new exhaust manifold heat shield, Part No. 587095, or to modify the existing heat shield. The modification consists of elongating one fixing hole, whereupon the heat shield can be fitted using the plain washer, Part No. 2550, in addition to the fixings employed before modification.

The exhaust manifold fixing kit, Part No. 606988, contains all the fixings necessary for the improved exhaust manifold, including the newly introduced plain washers. All items included in the kit, Part No. 606988, are available individually under the appropriate part number.

The manifold clamps, Part No. 564308, which are of improved design, are interchangeable with the earlier type and may also be fitted to existing 2¼ litre petrol and diesel engines.

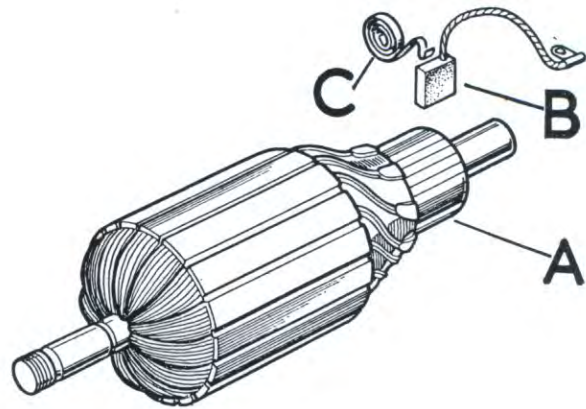
- Item 149** SUBJECT: **PINION AND SLEEVE FOR STARTER MOTOR**
- MODELS: Land-Rover Series I, II and IIA, Bonneted and Forward Control, Petrol.
- MODIFICATION: Deletion of additional items previously supplied.
- P.C.M.I.
TRANSPARENCY: The information detailed in this item will be incorporated in the next available transparency.
- LITERATURE
AFFECTED: Land-Rover Parts Catalogue, Series I, Part No. 4107, Page 41.
Land-Rover Parts Catalogue, Series II and IIA, Part No. 605957, Page 85.
Land-Rover Parts Catalogue, Forward Control, Part No. 4862, Page 45.
- PART NUMBER: Pinion and sleeve for starter motor 1 244711
- REMARKS: Only the pinion and sleeve for starter motor is now supplied under Part No. 244711; the bush for the pinion end, spring for pinion, and 2 collars have been deleted.
- There has been no change in part number, and when existing stocks are exhausted only the latest part will be supplied for Service replacements.
- Distributors and Dealers are requested to amend their records accordingly.



IRC 598

Fig. 2 Starter pinion and sleeve

- Item 150** SUBJECT: **DYNAMO NOISE**
- MODELS: All Land-Rovers.
- REMARKS: Complaints of dynamo noise have been investigated and in the majority of cases the noise has been found to emanate from the commutator.
- It can be cured by the application of a small quantity (about the size of a match head) of M.S.4 silicone grease to the commutator.
- This treatment does not affect the life or correct operation of the dynamo brushes.



IRC 600

Fig. 3 Dynamo armature. 2½ litre petrol illustrated
 A—Commutator B—Brush C—Brush spring

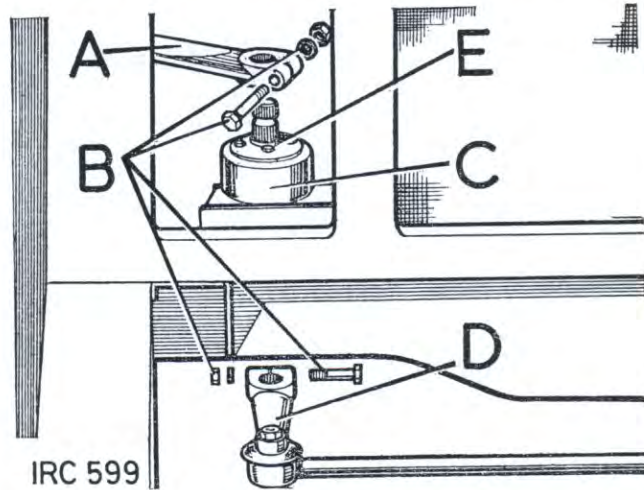
Item 151 SUBJECT:
 MODEL:
 REMARKS:

OIL LEAKAGE FROM STEERING RELAY

Land-Rover.

As a result of complaints of oil leakage from steering relay, Part No. 562874, investigations have been carried out which show that seals, Part No. 213340 have been damaged in a way which suggests the use of a lever or wedge to remove the relay levers.

Operation G1-9 in Land-Rover Workshop Manual, Part 2, Part No. 606408 instructs that the levers should be prised clear of the relay unit after the fixings have been removed, but the operation must be carried out carefully to avoid damage to the seals, Part No. 213340 and resultant leakage.



IRC 599

Fig. 4 Relay levers

- A—Upper relay lever
- B—Fixings for relay levers
- C—Relay housing
- D—Lower relay lever
- E—Seal, Part No. 213340