

# SERVICE INFORMATION

Vol. 1 No. 1

# LAND-ROVER PETROL AND DIESEL MODELS



The Rover Company Limited, Solihull,  
Warwickshire, England

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## INDEX

Description	Model	Issue No.	Item No.
Front axle swivel pins	All	1	3
Gearbox	Series IIA only	1	2
<b>Service information (Service News Letters)</b>	All	<b>1</b>	<b>1</b>
White rust on galvanised parts	All	1	4

\*Item contains suffix letter change.  
Policy items printed in bold type.

### Item 1

SUBJECT:

### **SERVICE INFORMATION (SERVICE NEWS LETTERS) (Policy Item)**

REMARKS:

The various methods of presenting information to the franchise holders of the Specialist Car Division Companies, that is, Daimler, Jaguar, Rover and Triumph, have been co-ordinated under the heading of 'Service Information', and in the format shown on this Service Information issue. It must be emphasised that as far as Rover Distributors, Dealers and Fleet Operators are concerned this is merely a change of title from 'Service News Letter' to 'Service Information', but with one important exception—the method of indexing individual Service Information issues. This has been considerably improved, as explained below. To provide ready access to any item, each issue of Service Information will be indexed as follows:

No. 1 will have an index on the first page covering all the items within that particular Service Information issue.

No. 2 will have an index on the first page covering all the items in Service Information issues 1 and 2.

No. 3 will have a separate cumulative index covering all the items in Service Information issues 1, 2 and 3.

No. 4 will have an index applicable only to the items in that Service Information issue.

No. 5 will have an index of the items in Service Information issues 4 and 5.

No. 6 will have a separate cumulative index covering all the items in Service Information issues 1-6 inclusive.

This system will be repeated for a complete volume of 24 Service Information issues.

The Service Information pages are A4 size, slightly larger than the Service News Letters previously issued, and new stiff binders to suit are available from our Parts Department under Part No. 608145 for Land-Rover at a nominal cost of £0.25 each.

**Item 2**

**SUBJECT:** **GEARBOX**  
**MODEL:** Land-Rover Series IIA.  
**MODIFICATION:** Introduction of a Series III type gearbox for Series IIA vehicles.

**PCMI TRANSPARENCY:** The following information will be incorporated in the next available transparency.

**PART NUMBER:**

Gearbox assembly	..	..	..	1	607125	2½ litre petrol and diesel
Gearbox assembly	..	..	..	1	607127	2.6 litre

**REMARKS:** This modified version of the Series III all synchromesh gearbox assembly incorporates the existing Series IIA bell housing, primary pinion and clutch withdrawal mechanism which enables the gearbox to be used for Series IIA models. It will be supplied by our Parts Department for all service requirements when present stocks of the Series IIA gearbox assemblies, part numbers 591438, 2½ litre and 591439, 2.6 litre are exhausted. However, components for the Series IIA gearbox will still be available.

To reduce the cost of replacing a complete gearbox, especially in certain overseas territories, the existing Series IIA gearbox may be converted to Series III specification whilst carrying out repairs or a general overhaul.

A list of the minimum parts required to carry out the conversion is shown below. Additional items may of course be required, depending on the general condition of the gearbox.

Gearbox casing assembly	..	..	..	..	..	1	606881
Layshaft cluster	..	..	..	..	..	1	576686
Mainshaft	..	..	..	..	..	1	576725
Inner and outer member, 1st, 2nd and reverse gear	..	..	..	..	..	1	576733
Sliding block for synchromesh ball	..	..	..	..	..	3	553084
Spring for synchromesh ball	..	..	..	..	..	3	503805
Synchromesh ball	..	..	..	..	..	3	52459
Synchromesh cone, female	..	..	..	..	..	2	591364
1st speed mainshaft gear	..	..	..	..	..	1	591362
Bush for 1st speed mainshaft gear	..	..	..	..	..	1	576734
Thrust washer for 1st speed mainshaft gear	..	..	..	..	..	1	576735
2nd speed mainshaft gear	..	..	..	..	..	1	591363
Bolt ( $\frac{7}{16}$ in. UNF x $1\frac{1}{2}$ in. long)	} Fixing bearing		..	..	..	1	561601
Washer	} to layshaft		..	..	..	1	576907
Bearing for layshaft, rear	..	..	..	..	..	1	576206
Bearing housing for mainshaft, rear	..	..	..	..	..	1	576836
Shaft for reverse gear	..	..	..	..	..	1	591527
Reverse gear assembly	..	..	..	..	..	1	576707
Spring pin for reverse gear shaft	..	..	..	..	..	1	591519
Selector fork, 1st and 2nd speed	..	..	..	..	..	1	576703
Shaft assembly for fork 1st and 2nd speed	..	..	..	..	..	1	576727
Selector fork, reverse	..	..	..	..	..	1	576704
Shaft for fork, reverse	..	..	..	..	..	1	576729

This list is applicable to both 4 and 6 cylinder models.

**Item 3**

**SUBJECT:** **FRONT AXLE SWIVEL PINS**

**MODEL:** All Land-Rover.

**MODIFICATION:** Introduction of identification markings on the nut fixing steering lever to swivel pin housing, also amendment to the torque load required for tightening the nuts.

**PART NUMBER:** Nut, ( $\frac{7}{16}$  in. BSF), fixing steering lever to swivel pin housing .. 8 594104

**LITERATURE AFFECTED:** Land-Rover Workshop Manual Series II and IIA, part two, English, Part No. 606408, Operation F-10, Page 29-F.  
 Land-Rover Service News Letter Vol. 3 No. 31, item 166.

**REMARKS:**

To provide positive identification of the fixing nut Part No. 594104 introduced by News Letter Vol. 3 No. 31, item 166, the latest version of the nut is provided with two grooves 1,0 mm (0.040 in.) wide and 1,0 mm (0.040 in.) deep along the centre line of the nut.

Also note that the torque load figures for tightening these nuts should be 7,0 kgf m (50 lbf ft) and not 4,8 kgf m (35 lbf ft), as previously stated.

Please amend your copies of the literature affected to incorporate the above information.

**Item 4****SUBJECT:****WHITE RUST ON GALVANISED PARTS****MODEL:**

All Land-Rover.

**REMARKS:**

The presence of 'white rust' on galvanised parts has been raised recently by some of our Distributors and Dealers.

Normally 'white rust' does not occur on these parts when freely exposed. Even in cases where a deposit or stain is evident the original surface is usually restored by normal usage and exposure to the elements.

However, for showroom purposes, or where a customer draws attention to this condition, the following cleaning procedure can be carried out: Add to 4,5 litres (1 gallon) of warm water 112 ml (3-4 fluid ozs or half a cup) of 'Teepol' and 113 gms (4 ozs by weight) of Soda Ash. Alternatively, if Soda Ash is not readily available, 170 gms (6 ozs) of domestic washing soda crystals may be used.

Scrub the affected galvanised parts with the liquid using a nylon hand scourer, a metallic type should not be used.

Finally rinse with clean water and dry.