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Service Department:

**THE ROVER COMPANY LIMITED**



SOLIHULL  
WARWICKSHIRE  
ENGLAND

**LAND-ROVER SERVICE NEWS LETTER Vol. 2 No. 13**

October 1966

**Item 52 SUBJECT: REAR AXLE**

**MODELS:** Land-Rover 109 Long and 109 Station Wagon.

**REMARKS:** The '251' range of rear axle serial numbers applicable to the Land-Rover 109 Long and Station Wagon rear axles have now been completely used up; the rear axle serial numbers for these models have therefore been changed to the '253' range. The new range of serial numbers will commence with the number 25303000B onwards. Suffix letter 'B', of course, indicates the 35% strengthened type differential unit.

**Item 53 SUBJECT: DIFFERENTIAL**

**MODELS:** All Land-Rover.

**REMARKS:** Differential units currently being manufactured are fitted with single one-piece ground shims for pinion adjustment in place of the shim-steel type which are normally used at two in each position.

The new one-piece ground shims range in thickness from .038 in. (0,96 mm) to .061 in. (1,54 mm) for bearing adjustment at the pinion end and from .144 in. (3,65 mm) to .174 in. (4,41 mm) for pinion adjustment at the flange end, they increase in size by steps of .001 in. (0,02 mm) a total of 55 shims.

For Service purposes, to obviate stocking the complete range of shims detailed above, adjustments on the later type differential units can be carried out by removing the existing one-piece ground shim and utilising the shims specified in the Land-Rover Parts Catalogue for axles from suffix letter 'B' onwards. It will, of course, be necessary to use two of these shims as required in each position in place of the one-piece shim removed.

Part numbers of the shims which are to be used are repeated below for your information:

Shim, .020 in. (0,50 mm) as required, 539711	} For bearing adjustment at	} Applicable to all Differentials from axle serial suffix 'B' onwards
Shim, .022 in. (0,55 mm) as required, 539713		
Shim, .024 in. (0,60 mm) as required, 539715	at	
Shim, .030 in. (0,75 mm) as required, 539717	pinion end	
Shim, .072 in. (1,82 mm) as required, 539718	} For bearing adjustment at	
Shim, .074 in. (1,87 mm) as required, 539720		
Shim, .076 in. (1,93 mm) as required, 539722	flange end	
Shim, .081 in. (2,05 mm) as required, 539724		

**Item 54 SUBJECT: COOLING SYSTEM**

**MODELS:** All Land-Rover.

**PART NUMBER:** Sealing pellet for radiator .... 1 601314

REMARKS: With effect from 1st August 1966, Land-Rover models will have a sealing pellet added to the radiator as a protection for the cooling system. Supplies of the sealing pellet are available from our Parts Department.

A bottled version of the product is also supplied by Messrs. Barrs Motor Product Limited, 73 Scrubs Lane, London W2, which can also be used for sale to the public or for Workshop use. Supplies of the bottles and full technical details are available from the manufacturer.