SERVICE INFORMATION

Vol. 1 No. 18

LAND-ROVER PETROL AND DIESEL MODELS

Rover
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B92 8NP

August, 1973

Item 75A

SUBJECT: **ECA CLAIMS UK ONLY (Policy item)**

MODELS: All Land-Rover.

REMARKS: When making enquiries in respect of ECA claims already submitted, it is essential to quote the chassis serial number in all cases.

The ECA claim number is not used for record purposes and consequently is of no value in tracing an enquiry.

Item 76

SUBJECT: **ENGINE OIL PRESSURE**

MODELS: Land-Rover 2¼ litre, petrol and diesel

OBJECTIVE: To correct oil pressure range applicable to service conditions.

LITERATURE AFFECTED: Land-Rover Repair Operation Manual, Series III, English, Part No. 607314, Divisions 04-4 and 04-7.

REMARKS: In the General Specification Data of the above publication, the oil pressure is given as 45 to 65 lbf/in² (3,16 to 4,56 Kgf/cm²). These are test-bed figures and do not compare directly with pressures obtained under service conditions.

In service the oil pressure at 2000 rpm with the engine warm should be 35 to 65 lbf/in² 2,5 to 4,5 Kgf/cm²).

Distributors and Dealers are requested to amend their copies of the above manual accordingly.

A similar correction was issued for Series II and IIA models in News Letter Vol. 3 No. 10.

Item 77

SUBJECT: **GEARBOX OIL LEAKAGE**

MODELS: Land-Rover Series III.

OBJECTIVE: To introduce new gaskets to minimise gearbox oil leakage

PCMI TRANSPARENCY: The information detailed in this item will be incorporated in the next available transparency.

LITERATURE AFFECTED: Land-Rover Series III Parts Catalogue Supplement, Part No. 608049, pages 16.08, 16.10, 16.11 and 16.20.

PART NUMBERS:

Joint washer for bell housing	1	622045
Joint washer for transfer to main gearbox case	1	622046
Joint washer for power take-off	1	622047
Joint washer for transfer housing	1	622048

COMMENCING NUMBERS:

Gearbox serial numbers:

Land-Rover Series III, 88 and 109 2¼ litre, except 1 ton models, from 90181123A onwards.
Land-Rover Series III, 109 1 ton 2¼ litre petrol models only, from 24600171A onwards.
Land-Rover Series III, 109 2.6 litre, except 1 ton models, from 94107500A onwards.
Land-Rover Series III, 109 1 ton 2.6 litre models only, from 26600343A onwards.

REMARKS:

To reduce gearbox oil leakage, an improved gasket material ('Betaflex 77') has been introduced as detailed above.

It is recommended that the improved gaskets are used only where specific leakage problems are encountered. Ultimately, only the latest type gaskets will be supplied.

The new gasket material is of an 'oil swell' type and is interchangeable with the earlier 'Rappa' paper gasket.

Item 78

SUBJECT: **REMOVAL OF SALISBURY DIFFERENTIAL UNIT**

MODELS: 109 in. Land-Rover Series III.

OBJECTIVE: To correct the adjustment procedure of the turnbuckle on the axle spreader tool 18G131C in French and German versions of the Land-Rover Repair Operation Manual.

LITERATURE AFFECTED: Land-Rover Series III, Repair Operation Manual, French, Part No. 607315; German, Part No. 607316, Operations 51-15-01 and 51-15-07.

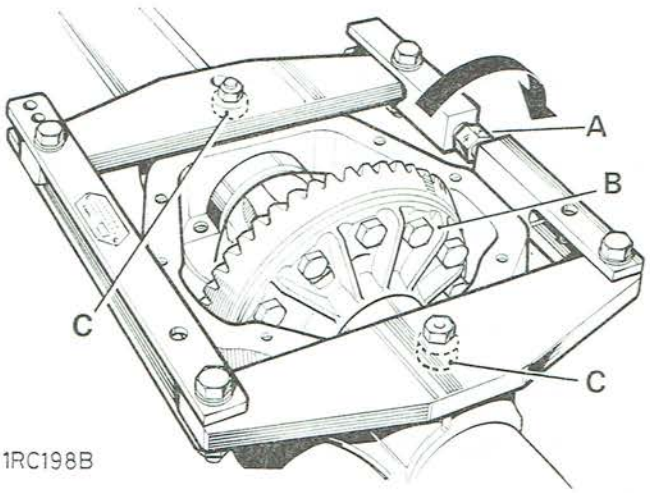

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Fig. 1 Axle spreader tool 18G131C

A — Turnbuckle adjuster
B — Differential unit
C — Adaptor pegs 18 G131F

REMARKS:

The **'CAUTION'** note in the workshop procedure concerning the adjustment of the turnbuckle on the axle spreader tool 18G131C in the French and German versions of the Repair Operation Manual is based on an earlier English version. This should be corrected to conform to the current details in the Repair Operation Manual, English, Part No. 607314, Operation 51-15-01 sheet 2 as follows:

WORKSHOP PROCEDURE:

CAUTION. To prevent permanent damage to the gear carrier case it must not be over-stretched. Each flat on the turnbuckle is numbered to enable a check to be made on the amount turned. The **maximum stretch permitted** is 0,30 mm (0.012 in.), equivalent to **three flats.**

The relevant page will be re-issued at the next up-dating operation.

Item 79

SUBJECT: **SALISBURY AXLE**

MODELS: 109 in. Land-Rover Series III.

OBJECTIVE: To clarify the service position relating to crown wheel bolt breakages.

LITERATURE AFFECTED: Land-Rover Series III Repair Operation Manual, English, Part No. 607314, Operation 57-15-07.

PART NUMBER: Rear axle, complete assembly 1 576764

REMARKS: Commencing with axle, date stamped M/72 (located on axle tube), still using the torque of 13 to 14,5 kgf/m (95 to 105 lb/ft), the axle build is of improved quality in all aspects and should be completely satisfactory.

In the unlikely event of a fracture of crown wheel fixing bolts occurring on an axle built after the above date, this should be reported immediately to the Technical Service Department, using the appropriate Product Defect Report form.

Item 80

SUBJECT: **BRAKING SYSTEM**

MODELS: Land-Rover Series III, RH STG equipped with dual braking system.

OBJECTIVE: To ensure dual brake pipes do not foul the accelerator control rod return spring.

REMARKS: A limited number of the above vehicles have been produced with a minimal clearance between the accelerator control rod return spring and the dual brake pipes leading from the tandem brake reservoir to the five-way branch union situated on the right hand side of the chassis.

It is possible that in certain instances of vehicle operation or servicing the clearance between the accelerator spring and the brake pipes may be reduced, leading to a chafe condition. You are therefore requested to check for this condition on vehicles which pass through your workshops at the normal service intervals and, if necessary, reposition the pipes to create adequate clearance.

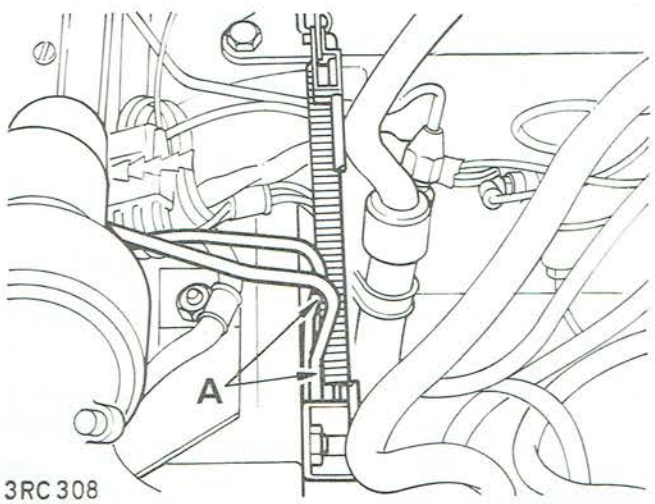

Fig. 2 Clearance between brake pipes and accelerator return spring

A — Check for clearance at these points

The condition has now been rectified on current vehicles.

It is emphasised that there is no necessity to contact vehicle operators for the specific purpose of carrying out this check, as any results of the possible chafe condition may only be experienced on a long-term basis. The checking of hydraulic pipes for chafing is of course included in all the recommended 'Passport to Service' Maintenance Schedules and should therefore be adequately covered.

Item 81

SUBJECT: **TYRE CONDITION**

MODELS: All Land-Rover.

OBJECTIVE: To emphasise the importance of checking condition of tyres after service off the road.

REMARKS: In the interest of safety and to prevent premature tyre wear, it is essential to examine the condition of the tyres after cross-country or rough track usage and before the vehicles are driven on normal roads.

Apart from removing stones and other sharp objects which may have become embedded in the tread, the side walls must be carefully examined for cuts, serious abrasions and bulges, or actual exposure of the ply or cord structure.

It is also important to ensure that the tyres are inflated to the correct pressure recommended for the road conditions in question.

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