

**THE ROVER CO. LTD.,  
SOLIHULL, BIRMINGHAM, ENGLAND**

**SERVICE BULLETIN**

Bulletin  
Number 5047

Issue 1

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Sheet 1 of 1 Sheet

**MODELS AFFECTED**

**LAND-ROVER.** (Gearboxes numbered  
860001 to 864670)

**UNIT AFFECTED**

**GEARBOX**

**COMPLAINT**

- A. Increased oil level in main gearbox and/or loss of oil from transfer box.
- B. Oil leak from clutch housing.

**SUBJECT**

**CAUSE.** Oil passing from the transfer box to the main gearbox along the mainshaft.

**REMEDY.** All gearboxes numbered 864671 onwards incorporate an oil thrower ring on the rear end of the gearbox mainshaft, so preventing oil from the transfer box passing forward along the mainshaft.

On receipt of complaint A or B on vehicles fitted with gearboxes numbered prior to 864671, confirm the cause in the following manner:—

1. Check the oil levels in the main gearbox and transfer box, and correct as necessary.
2. Allow the vehicle to be run for 200-300 miles (300-500 km.), at the end of which time, the two oil levels should be re-checked.

If the defect is present, the quantity of oil in the main gearbox will have increased by approximately 1 pint (0.5 litre), in which case the oil thrower ring should be fitted in accordance with operations 3-11.

**NOTE.** In the case of complaint B, if the oil levels are satisfactory, attention must be paid to other possible causes.

3. Remove the centre inspection panel from the seat box.
4. Disconnect the rear power take-off propeller shaft at the gearbox end (if fitted).
5. Remove the top cover plate or power take-off selector assembly from the transfer casing.
6. Remove the mainshaft rear bearing housing assembly or power take-off drive unit and dog clutch from the rear of the transfer casing.
7. Prise up the tab washer at the rear end of the mainshaft and remove the nut and tab washer retaining the transfer drive gear; withdraw the gear from the mainshaft.
8. Feed an oil thrower ring (Part No. 232415, obtainable on a free-of-charge basis from our Spares Department) in front of the intermediate cluster gear, and enter it squarely on the mainshaft distance piece. The thrower ring must be fitted with its convex side to the front.
9. Replace the transfer drive gear and pull it on to the mainshaft with the retaining tab washer and nut, so pressing the thrower ring on to the distance piece. Turn up the locking tab.
10. Complete the assembly by reversing the sequence of operations 3-6.
11. Correct the oil levels in the main gearbox and transfer box.

Time required to fit the oil thrower ring: 1 hour.

**ACTION TO BE TAKEN.** Place orders for the required quantity of oil thrower ring Part No. 232415 on a free-of-charge basis.

This sheet replaces that already in your file which bears the SAME bulletin and sheet numbers, but of a LOWER issue number. The old copy should be removed and destroyed.