

Models LM - New Range Rover  
LA - Discovery 3  
LS - Range Rover Sport

Title Transfer Box noise throughout the drive cycle

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Category Driveline

Symptom 508000 Transfer Case Concerns

**Issue:** Whine type noise from Transfer Box at various speeds in any gear.

**Cause:** Front/ Rear or both output shaft bearings worn.

**Action:** Confirm that the noise is from the Transfer Box front/ rear or both output shaft bearings ( a Chassis Ear diagnostic tool will help to confirm the diagnosis). Then proceed as follows:

- Content
1. Remove front or rear or both prop shafts as necessary to diagnose concern.
  2. Rotate the output shaft flange by hand and check for any signs of abnormality in the form of roughness or partial binding. If evident, a new output shaft bearing kit should be fitted (part number IEA500031 front flange kit or IEA500041 rear flange kit as appropriate) with reference to GTR 308-07B Transfer Case ' Front/ Rear output shaft seal' procedure as a guide to the necessary repair.. A new GTR procedure will be launched entitled 'Replace Front/ Rear Output Bearing ' at the end of September 2009 specifically for bearing replacement.
  3. If the rotation of the output shaft flanges appear normal, then replacement of the transfer box may be necessary.