

# TECHNICAL BULLETIN



**MODEL/DERIVATIVE:**

Range Rover  
Discovery Series II  
Defender

Bulletin N°: 0024  
CDS. ref: L8647bu  
Issue: 1  
Date: 04.04.01

**AFFECTED RANGE:**

All V8 derivatives

**PROBLEM:**

**OIL LEAKAGE FROM REAR OF ENGINE**

A customer complaint of oil leakage is confirmed to originate from the rear of the engine.

**CAUSE:**

Leakage from the camshaft oil gallery plugs or the camshaft bore cup plug.

**ACTION:**

On manual gearbox derivatives, remove the flywheel, Workshop Manual repair number 12.53.07 refers.

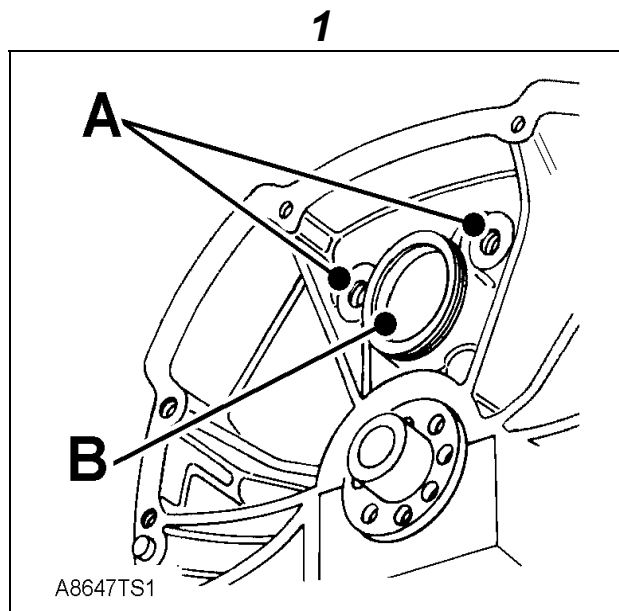
On automatic gearbox derivatives, remove the torque converter drive plate, Workshop Manual repair number 12.53.13 refers.

Examine the camshaft oil gallery plugs, ('A' in illustration 1) and the camshaft bore cup plug, ('B' in illustration 1) for leakage.

Where oil leakage is confirmed, reseal as described below. Sealants are available from Land Rover Parts.

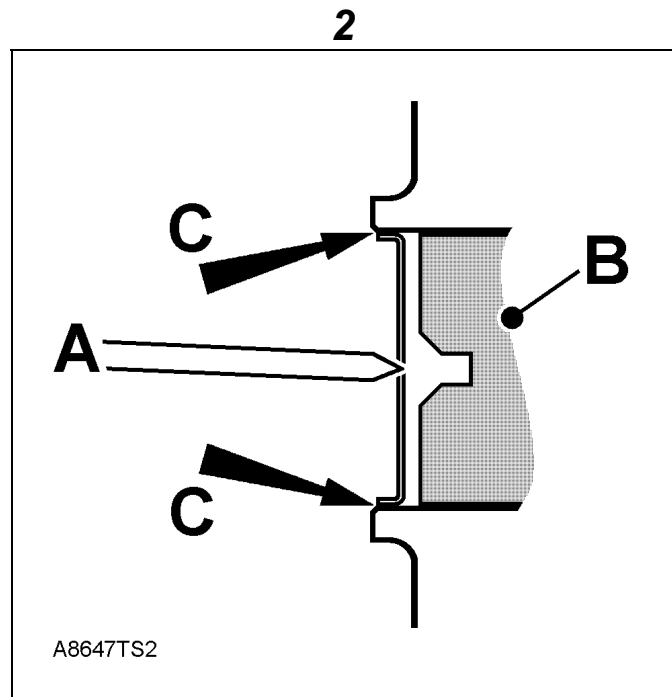
**Camshaft oil gallery plugs**

- Remove the plugs from the oil galleries using a 8mm Allen key.
- Clean old sealant from plugs and cylinder block.
- Apply sealant STC50552 to the plug threads.
- Ensure that cylinder block is clean and dry and refit plugs. Tighten to a torque of 55 Nm.



### Camshaft bore cup plug

- Using a small, sharp chisel, ('A' in illustration 2) pierce the cup plug as close to its centre as possible. This will ensure maximum clearance with the camshaft 'B'.
- Protect the cylinder block and lever out the cup plug.
- Clean old sealant from cylinder block.
- Apply sealant STC50554 to new cup plug 602146. Take care to apply sealant to the full perimeter of the plug.
- Ensure that cylinder block is clean and dry and position cup plug into camshaft bore. Fully insert plug so that outer edge is flush with base of cylinder block chamfer, ('C' in illustration 2).



### *PARTS INFORMATION:*

**STC50552** Loctite Lock 'N' Seal - 10ml (Oil gallery plug sealant)

**STC50554** Loctite High Strength Retainer - 10ml (Camshaft cup plug sealant)

**602146** Cup plug - camshaft bore

### *WARRANTY CLAIMS:*

#### Camshaft oil gallery plugs

**Use Complaint Code: 1A3N**

**Use SRO: 12.21.89/26** Reseal both camshaft oil gallery plugs

**Time allowance: 0.10Hrs**

#### Camshaft bore cup plug

**Use Complaint Code: 1A5N**

**Use SRO: 12.21.89/27** Renew camshaft bore cup plug

**Time allowance: 0.10Hrs**

**Use the appropriate SRO from above in addition to:**

**SRO 12.53.07** Flywheel renew - manual derivatives

**SRO 12.53.13** Drive plate renew - automatic derivatives

**Refer to Repair Times Searcher (RTS) for repair times on individual models.**