

TECHNICAL BULLETIN



MODEL/DERIVATIVE:
Discovery Series II
Defender

Bulletin No: 0002
CDS. ref: L8693bu
Issue: 1
Date: 19.12.01

AFFECTED RANGE:
All Td5 derivatives

PROBLEM:
POSSIBLE FRACTURE OF EXHAUST GAS RE-CIRCULATION (EGR) PIPE

CAUSE:
A fracture to the EGR pipe may occur when it is disturbed i.e. exhaust / inlet manifold gasket and EGR valve replacement.

ACTION:
Land Rover Engineering recommends changing the EGR pipe assembly every time the system is disturbed on vehicles up to VIN 1A 736339.
Vehicles from VIN 2A 736340 follow the refitting procedure detailed on page 2 of 2.

Replacement procedure for vehicles up to VIN 1A 736339

1. Disconnect battery earth lead.
2. Release 3 bolts and remove engine acoustic cover.
3. Remove cooling fan cowl.
4. Loosen clip securing intake hose to EGR valve and release hose from valve.
5. Loosen EGR pipe clip securing EGR pipe to EGR valve.
6. Remove and discard 2 bolts securing EGR pipe to exhaust manifold.
7. Remove 2 bolts securing EGR pipe clip to cylinder head bracket.
8. Remove pipe discarding both the EGR valve to pipe gasket and the EGR pipe.
9. Position new EGR pipe to cylinder head bracket, fit but do not tighten fixings at this stage.
10. Insert a new gasket into the EGR pipe and position to EGR valve, fit the EGR pipe clip, but do not tighten at this stage. Ensure gasket is seated correctly.
11. Position EGR pipe flange to exhaust manifold, fit 2 new bolts but do not tighten at this stage.
12. Tighten EGR pipe bolts to correct torque in the following sequence:
 - EGR pipe clip to EGR valve 6 Nm.
 - EGR pipe clip to cylinder head bolts 10 Nm.
 - EGR pipe to exhaust manifold bolts 10Nm. Torque top right fixing first, re-apply torque to make sure pipe flange is square.

13. Connect intake hose to EGR valve and tighten clip.
14. Fit cooling fan cowl.
15. Fit engine acoustic cover and tighten bolts to 10 Nm.
16. Connect battery earth lead.

Refitting procedure for vehicles from VIN 2A 736340

1. Fit EGR cooler to cylinder head, but do not tighten the fixings at this stage.
2. Fit EGR pipe to cooler and exhaust manifold, but do not tighten the fixings at this stage.
3. Insert a new gasket into the EGR pipe and position to EGR valve and cooler, fit the EGR pipe clip and fixings to cooler, but do not tighten at this stage. Ensure gasket is seated correctly.
4. Tighten EGR pipe bolts to correct torque in the following sequence:
 - EGR pipe to exhaust manifold 10 Nm. Torque top right fixing first, re-apply torque to make sure pipe flange is square.
 - EGR pipes to cooler 10 Nm. Torque EGR pipe from exhaust manifold first, re-apply torque to make sure pipe flange is square.
 - EGR pipe clip to EGR valve 6 Nm.
 - Cooler to cylinder head 25 Nm.

PARTS INFORMATION:

WAL100240 - Gasket - EGR valve to pipe

WAP101220 - EGR pipe

WAO100000 - Bolt

WARRANTY CLAIMS:

Use Complaint Code: 1U2E

Use S.R.O.: 17.45.11 - EGR pipe replacement

Time allowance: 0.50 Hrs

Please return discarded parts to Land Rover.