

PUBLISHED: 11-MAY-2011
2010.0 RANGE ROVER (LM), 303-01A


ENGINE - TDV8 3.6L DIESEL

RIGHT VALVE COVER (G851156)

IN-VEHICLE REPAIR

12.29.44	CAMSHAFT COVER - RIGHT - RENEW	3600CC, TDV8	4.80	USED WITHINS	+
----------	---	-----------------	------	--------------	---

SPECIAL TOOL(S)



303-1244

Valve cover alignment tool

E81376

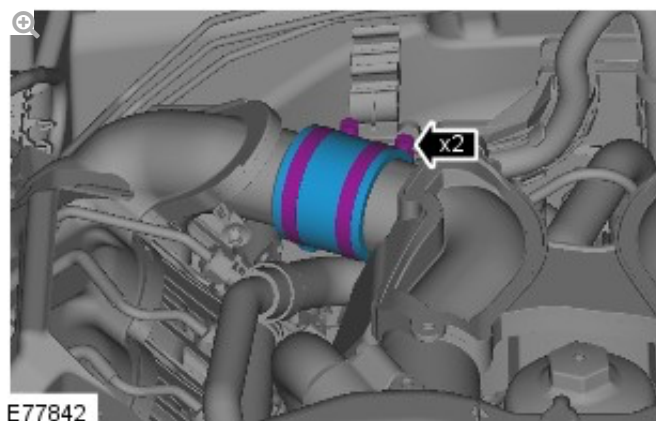
REMOVAL

1.

Disconnect the battery ground cable. For additional information, refer to: [Specifications - Armoured](#) (414-00 Battery and Charging System - General Information, Specifications).
2.

Remove the RH bank fuel injectors. For additional information, refer to: [Right Fuel Injectors](#) (303-04A Fuel Charging and Controls - TDV8 3.6L Diesel, Removal and Installation).

3.



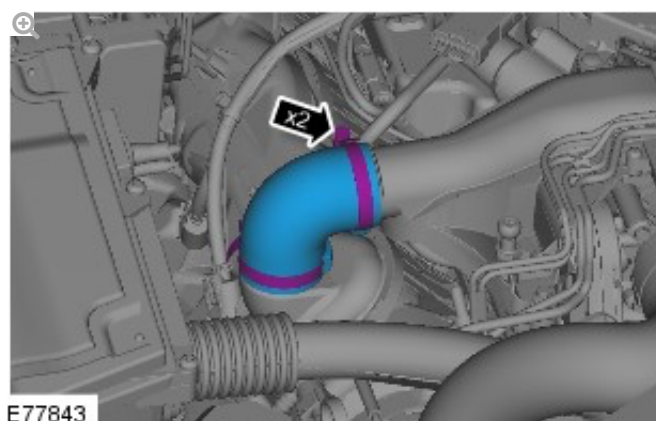
Reposition the intake manifold plenum chamber rear hose.

- Release the clips.

4.

CAUTION:

Make sure that all openings are sealed. Use new blanking caps.



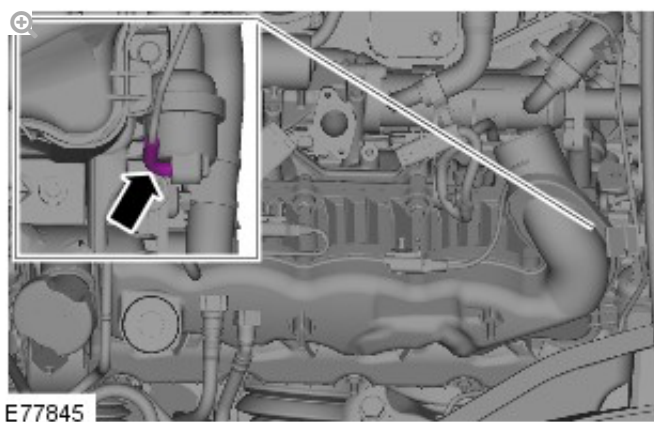
Remove the intake manifold plenum chamber front hose.

- Release from the clips.

5.

NOTE:

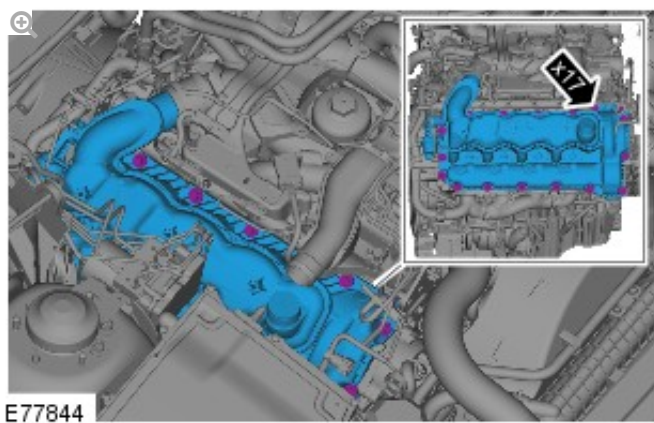
Left-hand shown, right-hand similar.



Disconnect the intake manifold plenum chamber tuning valve vacuum hose.

-
6. Remove the brake vacuum pump. For additional information, refer to: [Brake Vacuum Pump - TDV8 3.6L Diesel](#) (206-07 Power Brake Actuation, Removal and Installation).
-

7.



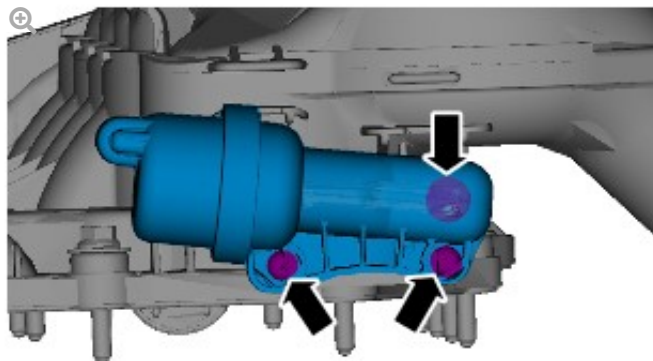
Remove the valve cover.

- Fully loosen the 17 bolts.
 - Remove and discard the gasket.
-

8.

NOTES:

- Do not disassemble further if the component is removed for access only.
- Left-hand shown, right-hand similar.



E77848

Remove the intake manifold plenum chamber tuning valve.

- Remove the 2 screws.
- Release the actuator rod.

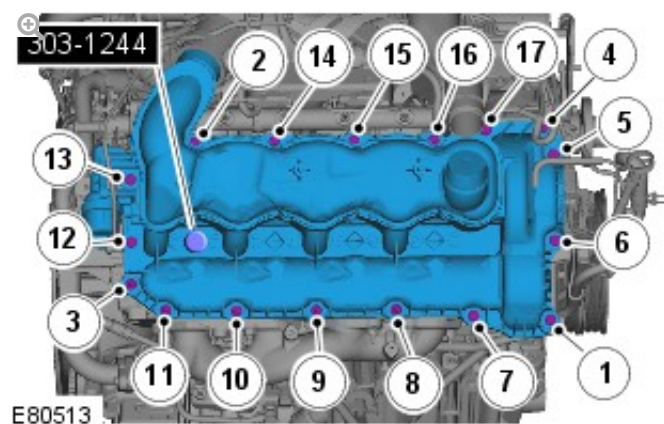
INSTALLATION

1. Install the intake manifold plenum chamber tuning valve.
 - Secure the actuator rod.
 - Tighten the screws to 3 Nm (2 lb.ft).
-

2.

CAUTION:

Tighten the bolts in the sequence shown.



Install the valve cover.

- Install a new gasket.
- Install the special tool.
- Tighten the bolts to 10 Nm (7 lb.ft).
- Remove the special tool.

-
3. Install the brake vacuum pump. For additional information, refer to: [Brake Vacuum Pump - TDV8 3.6L Diesel](#) (206-07 Power Brake Actuation, Removal and Installation).
-

4. Connect the intake manifold plenum chamber tuning valve vacuum hose.
-

5. Install the intake manifold plenum chamber front hose.

- Secure with the clips.
-

6. Reposition the intake manifold plenum chamber rear hose.

- Secure with the clips.
-

7. Install the RH bank fuel injectors. For additional information, refer to: [Right Fuel Injectors](#) (303-04A Fuel Charging and Controls - TDV8 3.6L Diesel, Removal and Installation).
-

8. Connect the battery ground cable. For additional information, refer to: [Specifications - Armoured](#) (414-00 Battery and Charging System - General Information, Specifications).
-

