




Fuel Injection Pump Belt (12.10.27)

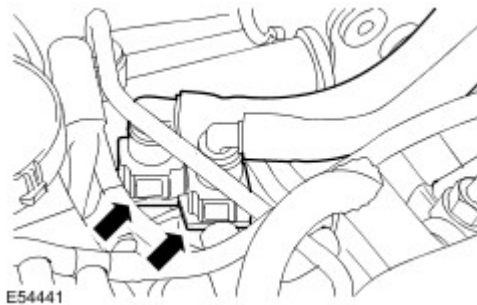
Removal

1. Disconnect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)
2. Remove the engine cover. For additional information, refer to [Engine Cover - 2.7L Diesel \(12.30.50\)](#) (Section 501-05)

3.  **WARNING: The spilling of fuel is unavoidable during this operation. Ensure that all necessary precautions are taken to prevent fire and explosion.**


Disconnect the two fuel lines.

 Install blanking caps to the exposed ports.



4. Clamp the exhaust gas recirculation (EGR) coolant hoses to minimize coolant loss.

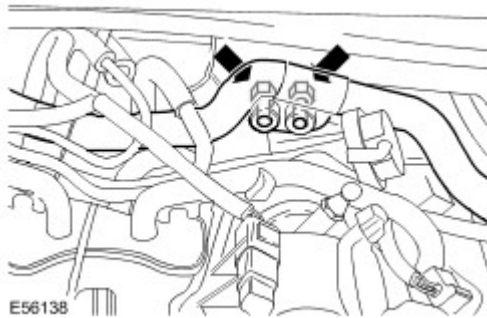


5. Disconnect the coolant hoses.
 Release the clips.



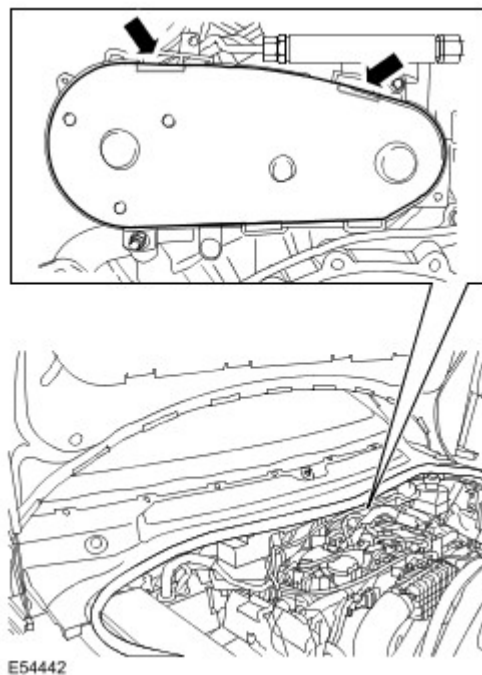
6. Remove the EGR coolant cross-over pipe.

➤ Remove the two retaining bolts.



7. Remove the fuel injection pump belt cover.

➤ Reposition the fuel charging wiring harness to allow access to the fuel injection pump belt cover.



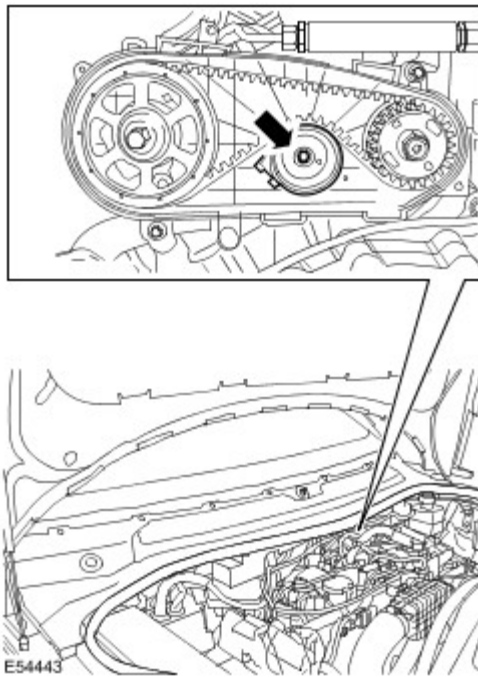
- 8.

NOTE :

The fuel injection pump belt is not timed to the engine.

Remove and discard the fuel injection pump belt tensioner.

- ▶ Remove the retaining bolt.

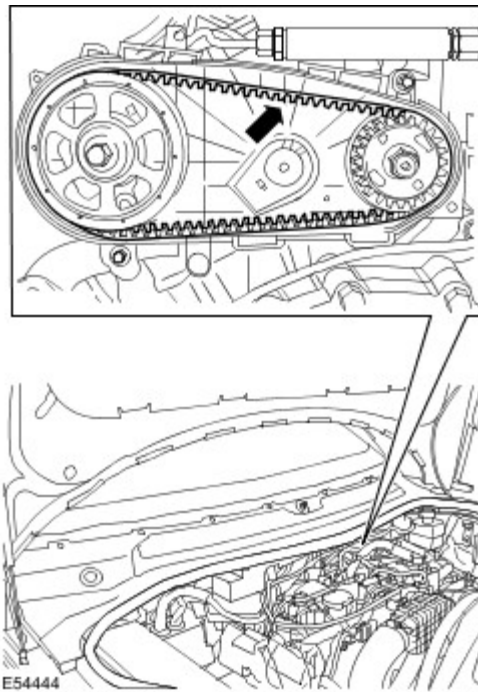


9.

NOTE :

The fuel injection pump rotates in a counter-clockwise direction when viewed from the rear of the engine.

Remove and discard the fuel injection pump belt.



Installation

1.



CAUTION: Do not install the new fuel injection pump belt to the pulleys with the fuel pump belt tensioner installed. Failure to follow this instruction may result in damage to the fuel pump belt.

NOTE :

The fuel injection pump rotates in a counter-clockwise direction when viewed from the rear of the engine.

Install the new fuel injection pump belt.

2 .



CAUTION: Make sure that the fuel injection pump belt tensioner tang is correctly located to the fuel injection pump belt rear cover. Failure to follow this instruction may result in damage to the engine.

Install a new fuel injection pump belt tensioner.

- Locate the tang on the new fuel injection pump belt tensioner into the fuel injection pump rear cover.
- Tighten to 25 Nm (18 lb.ft).
- Remove and discard the fuel injection pump belt tensioner locking pin.

3 .

Install the fuel injection pump belt cover.

- Reposition the fuel charging wiring harness back onto the diverter rail.

4 .

Install the EGR coolant cross-over pipe.

- Install the two retaining bolts.
- Tighten the bolts to 22 Nm (16 lb.ft).

5 .

Connect the coolant hoses.

- Remove the hose clamps.

6 .

Attach the fuel lines.

- Connect the two fuel lines.
- Remove the blanking caps from the ports.

7 .

Install the engine cover. For additional information, refer to [Engine Cover - 2.7L Diesel \(12.30.50\)](#) (Section 501-05)

8 .

Connect the battery ground cable. For additional information, refer to [Specifications](#) (Section 414-00)

9 .

Check and top-up the coolant.