

Published: 11-May-2011

Engine Emission Control - I6 3.2L Petrol -

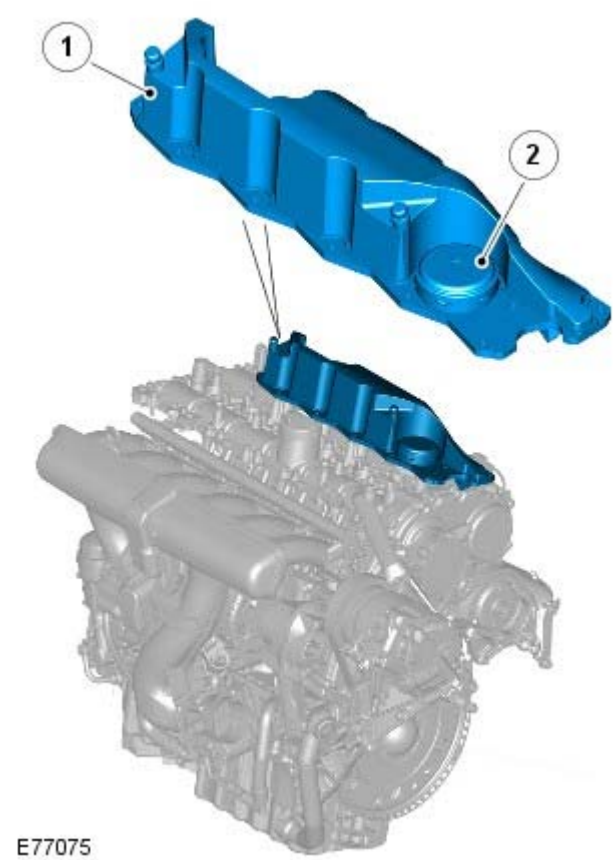
Torque Specifications

Description	Nm	lb-ft
Crankcase vent oil separator retaining bolts	10	7
Exhaust gas recirculation (EGR) cooler to exhaust manifold bolts	25	18

Engine Emission Control - I6 3.2L Petrol - Engine Emission Control3.2L

Description and Operation

COMPONENT LOCATION



Item	Part Number	Description
1	-	Camshaft cover
2	-	positive crankcase ventilation (PCV) valve

OVERVIEW

The engine crankcase is ventilated through a PCV valve located on the camshaft cover. The crankcase gasses are transferred internally to the PCV. The PCV valve prevents reverse airflow into the crankcase.

Engine Emission Control - I6 3.2L Petrol - Engine Emission Control

Diagnosis and Testing

Principles of Operation

For a detailed description of the engine emissions systems, refer to the relevant Description and Operation section in the workshop manual.

REFER to: Engine Emission Control - 3.2L (303-08 Engine Emission Control - 3.2L, Description and Operation).

Inspection and Verification



CAUTION: Diagnosis by substitution from a donor vehicle is **NOT** acceptable. Substitution of control modules does not guarantee confirmation of a fault, and may also cause additional faults in the vehicle being tested and/or the donor vehicle.

NOTE: For diagnostic purposes the cylinders are divided into two banks: Bank 1 - Cylinder numbers 1, 2 and 3. Bank 2 - Cylinders 4, 5 and 6

1. Verify the customer concern.
2. Visually inspect for obvious signs of damage.

Visual Inspection

Mechanical
<ul style="list-style-type: none"> ● Engine breather hoses

3. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.
4. If the cause is not visually evident, verify the symptom and refer to the Symptom Chart.

Symptom Chart

Symptom	Possible Cause	Action
Engine cranks, but does not fire	<ul style="list-style-type: none"> ● Engine breather system disconnected/restricted 	Ensure the engine breather system is free from restriction and is correctly installed
Engine stalls soon after start	<ul style="list-style-type: none"> ● Breather system disconnected/restricted 	Ensure the engine breather system is free from restriction and is correctly installed
Poor throttle response	<ul style="list-style-type: none"> ● Breather system disconnected/restricted 	Ensure the engine breather system is free from restriction and is correctly installed
Excessive emissions	<ul style="list-style-type: none"> ● Engine breather system restricted 	Ensure the engine breather system is free from restriction and is correctly installed
Engine oil leaks	<ul style="list-style-type: none"> ● Engine breather system restricted 	Ensure the engine breather system is free from restriction and is correctly installed

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Engine Emission Control - I6 3.2L Petrol - Crankcase Vent Oil Separator

Removal and Installation

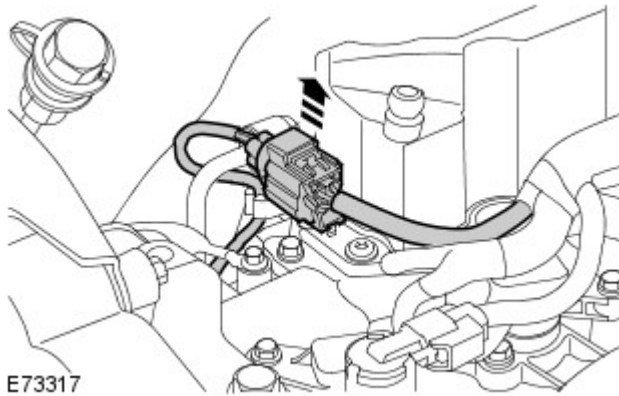
Removal

NOTE: Removal steps in this procedure may contain installation details.

1. Remove the engine cover.

Refer to: [Engine Cover - I6 3.2L Petrol](#) (501-05 Interior Trim and Ornamentation, Removal and Installation).

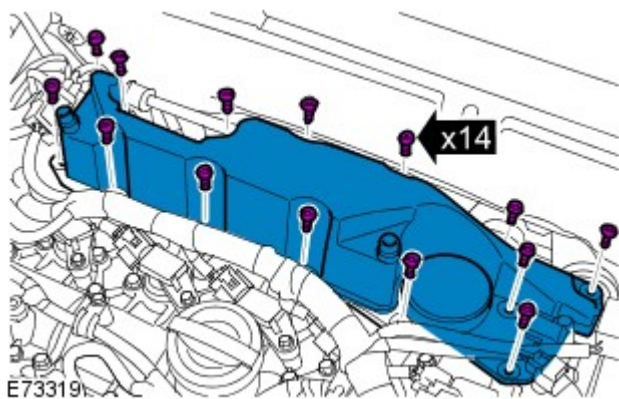
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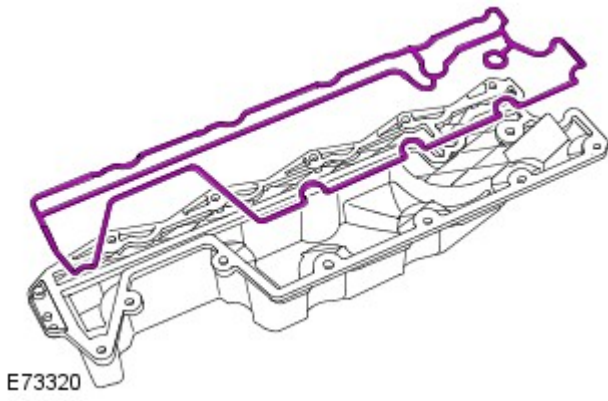
- 3.



4. Torque: 10 Nm



5. NOTE: The gasket is to be reused unless damaged.



Installation

1. To install, reverse the removal procedure.