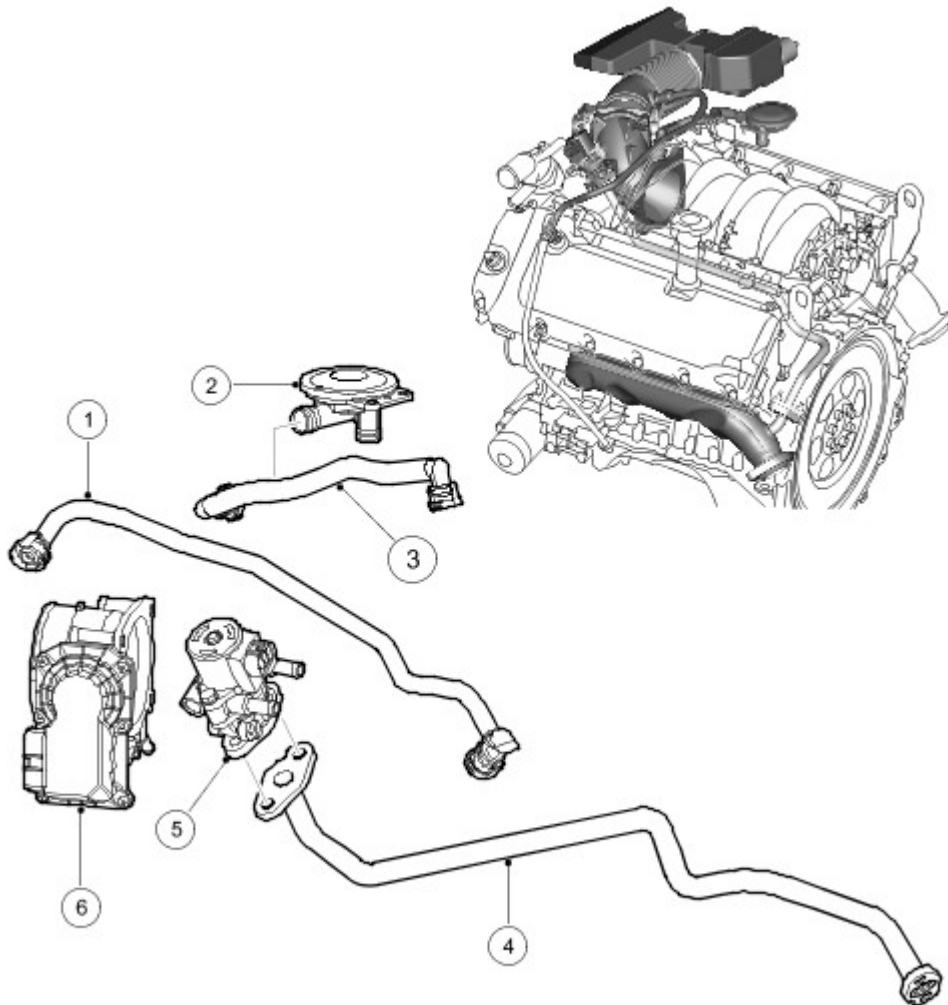




Engine Emission Control

EXHAUST GAS RECIRCULATION (EGR)

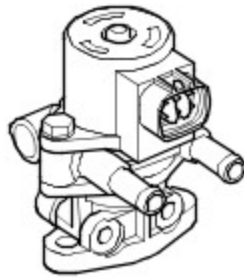
EGR and Crankcase Ventilation Component Location



E48517

Item	Part Number	Description
1	-	Full load tube
2	-	Pressure Control Valve (PCV)
3	-	Part load tube
4	-	EGR tube
5	-	EGR valve
6	-	Electric throttle

The EGR system is controlled by a PWM signal from the ECM. The system comprises an EGR valve and a gas transfer pipe.



E48518

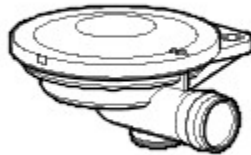
The EGR valve comprises a 4 pole stepper motor with an integral cooler unit which is mounted on the side of the induction elbow. The EGR valve is cooled by the return coolant flow from the electric throttle.

The EGR valve is connected to the LH exhaust manifold via the gas transfer pipe.

CRANKCASE VENTILATION

The V8 engine is ventilated through a part load and a full load breather.

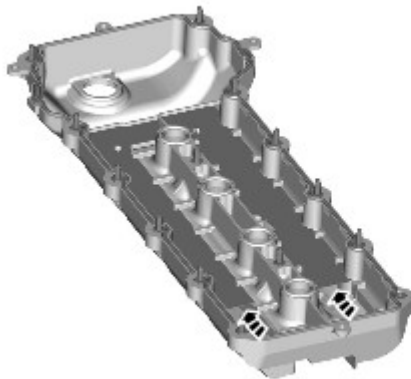
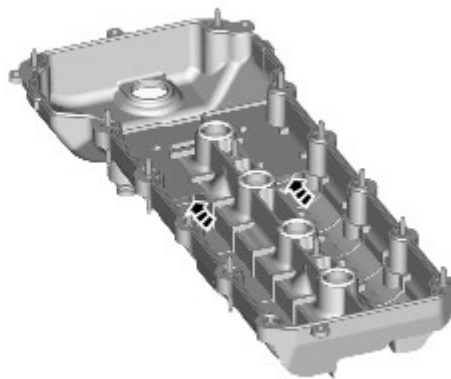
The part load breather is a flexible composite hose connected between the PCV valve mounted above the oil separator in the bank A camshaft cover and the induction elbow. The Positive Crankcase Ventilation (PCV) valve prevents reverse flow into the crankcase.



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The full load breather is a flexible hose connected between the oil separator in the bank B camshaft cover and the air intake duct.

The ends of the breather hoses incorporate quick release connectors.

A**B**

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The oil separators consist of wire gauze packed into an open ended enclosure below the breather outlet.