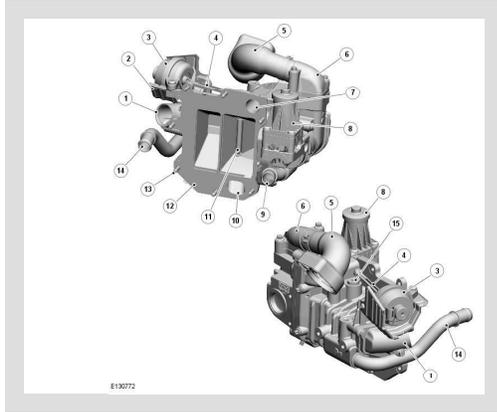


The EGR valve motor is a DC stepper motor with integral position sensor, which is controlled by the engine control module (ECM). The ECM uses the EGR valve motor to control the amount of exhaust gas being recirculated in order to reduce exhaust emissions and combustion noise. The EGR is enabled when the engine is at normal operating temperature and can operate at engine idle or under all part load operating conditions, in both the transient and steady states. EGR only operates in mono-turbo mode and is shut-off before bi-turbo mode is initiated.

Exhaust Gas Recirculation (EGR) Valve Module



ITEM	DESCRIPTION
1	EGR outlet pipe connection
2	Heat shield
3	By-pass valve vacuum actuator
4	Actuator rod
5	EGR inlet pipe
6	EGR module body
7	Coolant gallery
8	EGR valve motor
9	EGR cooler engine coolant outlet
10	Coolant gallery
11	By-pass valve
12	Gasket
13	Attachment screws (8 off)
14	EGR engine coolant inlet
15	By-pass valve actuator arm

The exhaust gas recirculation (EGR) module body is attached to the EGR cooler end tank body. The module body is sealed to the end tank cooler with a gasket and secured with 8 screws.