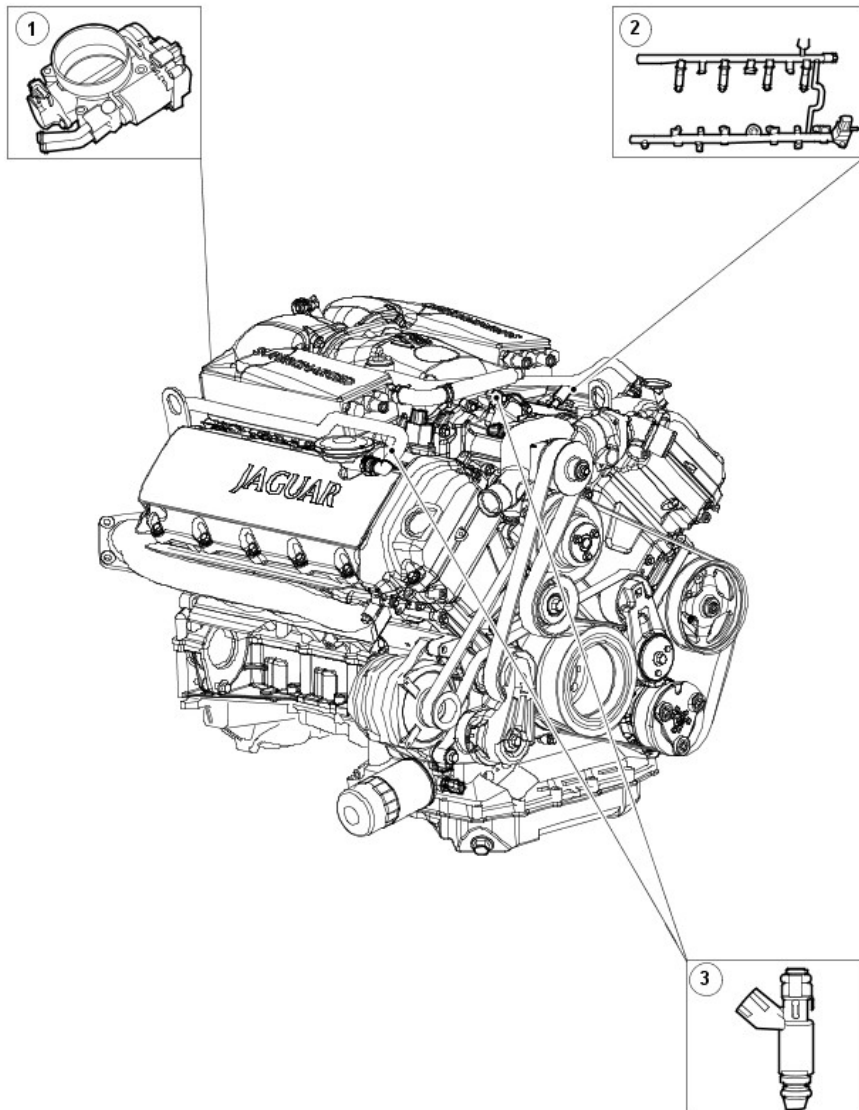


Fuel Charging and Controls - Fuel Charging and Controls

Description and Operation

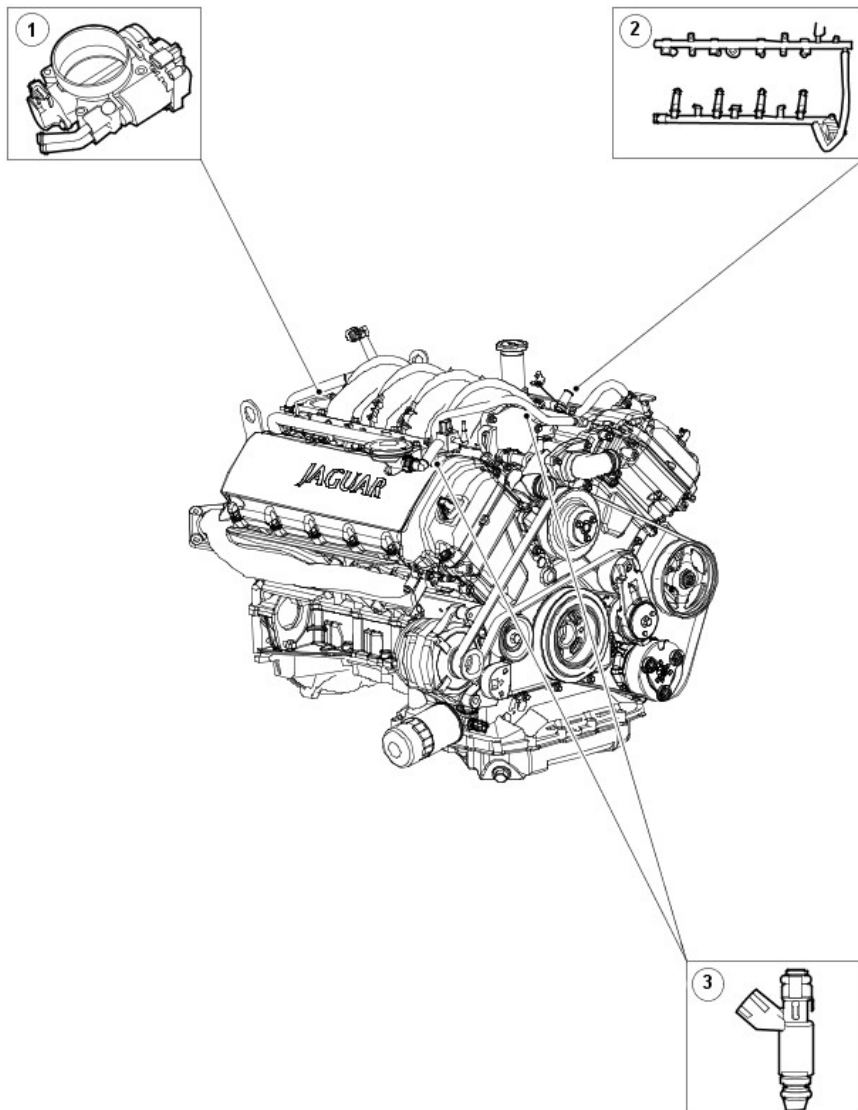
Vehicles with supercharger



E38268

Item	Part Number	Description
1	—	Throttle body
2	—	Fuel injection supply manifold
3	—	Fuel injectors

Vehicles without supercharger



E38269

Item	Part Number	Description
1	—	Throttle body
2	—	Fuel injection supply manifold
3	—	Fuel injectors

The electronic returnless fuel system has the advantages of reduced fuel temperature and fuel tank vapor caused by constant fuel recirculation. The system delivers the correct amount of fuel to the engine under all conditions and at a constant pressure differential with respect to manifold absolute pressure.

Fuel is supplied at high pressure to the fuel injectors via a fuel injection supply manifold which incorporates fuel injectors, a fuel rail pressure (FRP) sensor and a fuel temperature sensor. The engine control module (ECM) increases the fuel pressure to minimize fuel vapor formation to maintain fuel flow across the injectors.

The throttle body assembly is calibrated during assembly, no adjustments are required or permitted. The throttle motor is a 12 volt DC motor which via movement of the throttle blade controls the amount of air flowing into the engine.