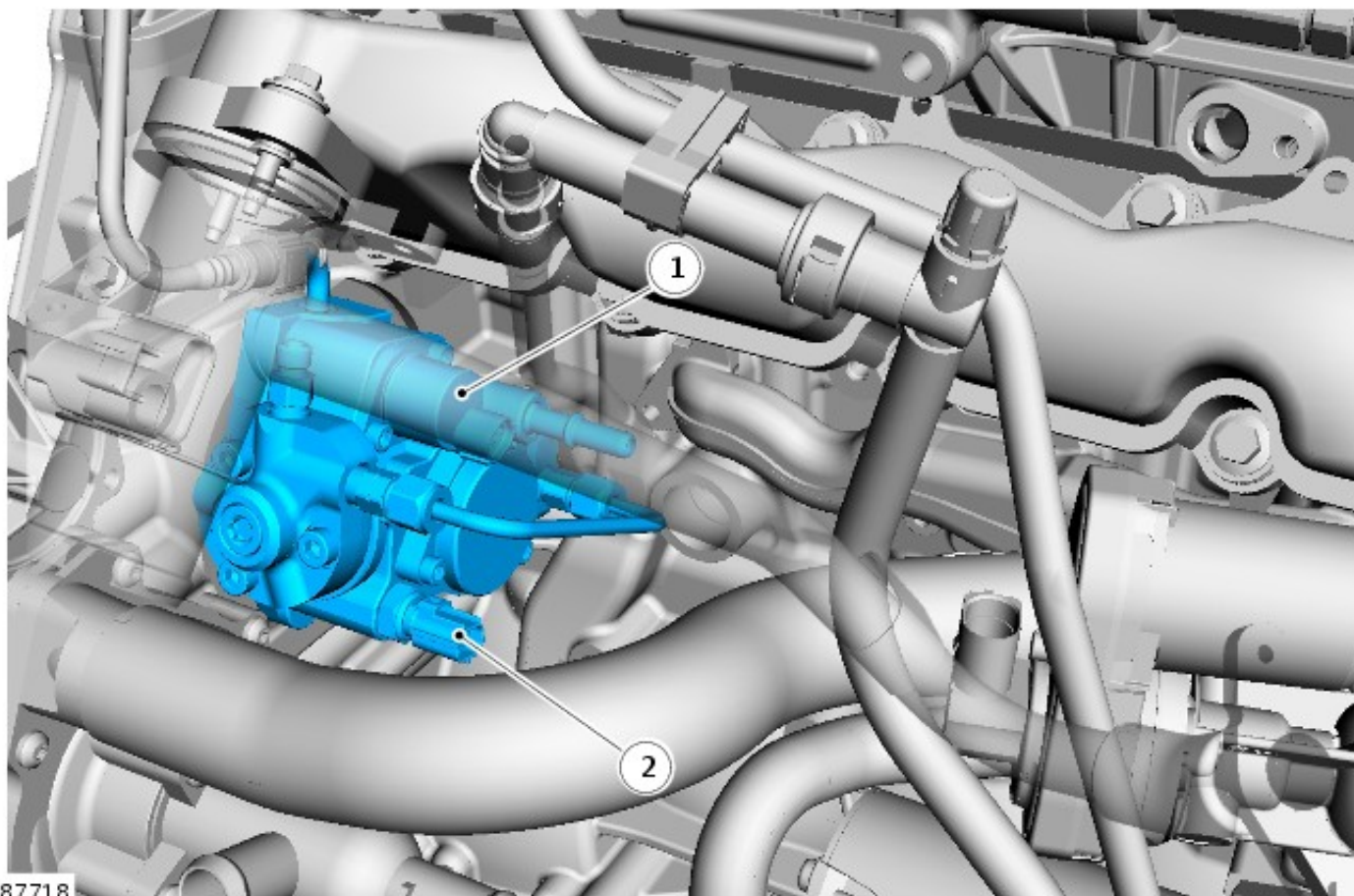


## High-Pressure fuel Pump



Item	Part Number	Description
1	-	Volume Control Valve (VCV)
2	-	Fuel temperature sensor

The high-pressure fuel pump provides the interface between the low and the high-pressure systems. Its function is to provide sufficient pressurized fuel under all operating conditions and for the entire service life of the vehicle.

The fuel pump is located under the intake manifold and is driven by the timing chain at the front of the engine. The pump includes a transfer pump, a high-pressure pump, a VCV and a fuel temperature sensor.

The high-pressure pump receives fuel at transfer pressure from the transfer pump and increases the fuel pressure. The high-pressure fuel is then transferred from the high-pressure pump to the fuel rail.