

NEW PRODUCT HIGHLIGHT | JUL2022

SWAG 33 10 2601

SWAG[®]

To fit:

Ford Ranger (12) 2011 >, Transit (06)
2006 > 2014, Transit (14) 2013>

Engines: 2.2TDCI and 3.2 TDCI



EN

EGR Cooler

Function

The exhaust gas recirculation (EGR) system is designed to reduce emissions by recirculating a proportion of the exhaust gases back into the combustion process of the engine, in order to reduce nitrogen oxide (NOx) emissions. Following the introduction of the Euro 6 emissions standard, an EGR cooler has been introduced to the vehicles listed above, to reduce the temperature of exhaust gases before they are recirculated into the combustion process. The exhaust gases pass through a multitude of small-diameter pipes that run through a water jacket connected to the vehicle's cooling system; reducing the temperature of the exhaust gases, which in turn lowers the concentration of NOx.

Cause of failure

The EGR cooler can split either internally or externally. If the EGR cooler is leaking externally, the engine can overheat, leading to the failure of the head gasket. The small-diameter tubes inside become restricted by carbon deposits - raising the internal pressure to such an extent that failure occurs. This, in turn, can trigger the internal failure of the EGR cooler. Consequently, engine coolant enters the combustion chamber, causing the engine to hydraulically lock.

For more technical information please visit: partsfinder.bilsteingroup.com