



VEHICLE
ELECTRONICS

TECHNICAL INFORMATION SHEET

EGR Valve Installation advice:

Ensure that the root cause of the problem is found on the vehicle before replacing the valve. It is necessary to check that the vehicle is running the latest software as this can cause EGR related faults to arise with an EGR valve - of any manufacturer.

Note that a fault code is only a guide and that the problem can often frustratingly lie elsewhere. It relates to the system affected and cannot directly identify a specific faulty component, but rather the area to begin investigation; so, the cause could be with, for instance an exhaust temperature sensor, MAF sensor or pressure sensor that can affect the overall EGR system operation.

An EGR Valve found to be blocked (coked) means that any associated pipework may also be blocked, so should be checked, and cleaned. Upon high contamination, check entire EGR system, including throttle body. If a separate cooler is in the circuit, it could also be clogged. Note that it is unlikely that an EGR valve itself is the root cause of excessive coking and the cause should be investigated to ensure no reoccurrence.

When replacing an EGR valve, some may not appear to initially function effectively – engine performance may not immediately improve, smoke may be emitted from the exhaust, and EGR related fault codes may be produced. As with many EGR valves, some vehicle models are required to undergo a 'learning cycle'. The vehicle must be driven for the vehicle engine management system ECU to recognise that the valve has been replaced (as it has learned to compensate for the faulty valve's inefficiency and needs to adapt to the improved working parameters of the new EGR valve). Electronic intervention is sometimes possible to 'Adapt the EGR' to the vehicle via diagnostic test equipment.

NTK Product Quality

As with all NGK/NTK products, NTK EGR valves undergo strict testing and durability regimes - often using upgraded design, materials, and electronics to increase reliability, exceeding OE standards.

Niterra UK LTD

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