

During installation of a new exhaust gas recuperation valve (EGR-Valve) there are few things that have to be taken into account.

Problems

It is possible that the following errors or error codes occur after the installation of the new EGR-Valve:

- The EGR-valve does not get recognised by the engine control unit
- The EGR-valve does not work
- The EGR-valve is faulty

Common OBD- codes

- P0400 (for example VW Code 16784) Exhaust gas recirculation - Flow rate malfunction
- P0401 (for example VW Code 16785) Exhaust gas recirculation - Insufficient flow rate detected
- P0402 (for example VW Code 16786) Exhaust gas recirculation - Excessive flow rate detected
- P0404 (for example VW Code 16787) Exhaust gas recirculation – Circuit malfunction

If an error/OBD code occurs it does not automatically mean that the EGR-Valve is defect!

The occurrence of error messages is often an indication for a faulty setup or adaptation of the engine control unit.

Engine control units have adjustable storage modules that store mappings.

These mappings contain the necessary data for the use of the connected parts and sensors. The mapping for the new EGR-Valve has to be detected or programmed before use. Detecting or programming the needed maps can be achieved by common diagnostic tools like an OBD-Tool. On most diagnostic tool you can go into the “basic configurations” menu and choose the submenu “adaptation exhaust recuperation” to create the mapping. More information can be found in the manual of your diagnostic tool. Please make sure that the engine control unit has the right map for the new EGR-Valve before you test the part.

Softwareupdate

- According to the producers guidelines please make sure that you always use the latest software versions of your diagnostic tools.

More Installation instructions:

- When installing a new EGR-Valve please make sure that you use new seals. Please clean the sealing surface and make sure that the area is even and has no bumps or other imperfections. .Don't use any extra sealing agent!
- After installing the new EGR-Valve please check the seals for leaks. Especially the cooling circuit is prone to leaking.