2018-2024 Volkswagen Atlas - Replace EGR Valve

2018-2024 Volkswagen Atlas | Advanced | 2-3 hours | $180 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Socket Extensions Channel-Lock Pliers Magnet - Extendable Brake Parts Cleaner T25 Torx Socket M10 Triple Square Bit

PARTS

EGR Valve (OE-style replacement) $180.00
EGR valve gasket

STEPS

1. **Cool the engine and locate the EGR valve - Work on a cool engine and disconnect the** negative battery cable if working near hot electrical connectors. The EGR valve sits on the intake manifold or cylinder head with a coolant or exhaust passage, plus an electrical connector or vacuum...
2. **Disconnect the connector and hoses - Unplug the EGR electrical connector and disconnect** any vacuum or coolant hoses. Cap coolant hoses to limit spill. Photograph tube routing if a metal EGR pipe is attached.
3. **Unbolt and remove the old EGR valve - Remove mounting bolts and separate the valve from** the manifold. Carbon often holds it - gently pry without damaging the flange. Remove the old gasket and note orientation of any orifices or screens.
4. **Clean passages and compare the new valve - Clean carbon from the manifold/EGR passages** with an appropriate solvent and brush - do not push chunks into the intake. Match the new EGR valve ports and connector to the old unit. Always install a new gasket.
5. **Install the new valve and reconnect - Position the new gasket and valve, start bolts by** hand, then tighten evenly to spec. Reconnect hoses and the electrical connector. Reconnect the battery.
6. **Clear codes and verify operation - Clear EGR-related codes. Start the Atlas and check for** exhaust/coolant leaks at the valve. Road-test and confirm EGR commanded operation with a scan tool if available; watch for rough idle or new lean/rich codes.

ezcarfix.com