

2003-2014 Volvo XC90 | Moderate | 2-3 hours | \$80 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack
Stands Ratchet Wrench Torque Wrench
Socket Set Pliers Coolant Drain Pan
Funnel Microfiber Cloth

PARTS

EGR Valve Gasket \$15.00
Throttle Body Gasket 30777651 \$20.00
Throttle Body Cleaning Kit \$25.00

STEPS

- 1 Disconnect the battery and remove the intake tube - Park the 2007-2014 Volvo XC90 2.4 D5** and let the engine cool. Disconnect the negative battery cable if recommended. Loosen the clamps and remove the intake tube from the throttle body. Unplug the throttle-position/electronic-throttle conne...
- 2 Inspect the throttle bore and plate - Look for sticky carbon on the bore and the backside** of the throttle plate on the 2007-2014 Volvo XC90 2.4 D5. Do not force an electronic throttle open by hand beyond its stop - use a scan-tool throttle-mode if specified, or clean only wh...
- 3 Clean with throttle-body cleaner - Spray throttle-body cleaner on a lint-free cloth or** soft brush and wipe carbon from the bore and plate. Avoid soaking an electronic motor or pouring cleaner into the 2007-2014 Volvo XC90 2.4 D5 intake tract. Never use abrasive sandpaper on...
- 4 Open the plate carefully and clean edges - If the procedure allows, gently open the plate** to wipe the edge and the area behind it. Keep cleaner off painted surfaces and the MAF sensor (clean the MAF separately with MAF-safe spray only if needed on the 2007-2014 Volvo XC90 2.4 D5).
- 5 Reassemble the intake and reconnect - Allow residual solvent to evaporate. Reinstall the** intake tube with clamps snug, reconnect electrical and vacuum lines, and reconnect the battery on the 2007-2014 Volvo XC90 2.4 D5. Ensure no rags or tools were left in the intake.
- 6 Idle relearn and verify throttle response - Start the 2007-2014 Volvo XC90 2.4 D5 and let** it idle; many electronic throttles need a few minutes or a scan-tool relearn for a stable idle. Check for vacuum leaks (hiss) and hesitation. Road-test for smooth tip-in; clear codes if a tempo...