

2016-2024 Volvo XC90 | Moderate | 2-3 hours | \$65 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack
Stands Torque Wrench Ratchet Wrench
Extension Bar Socket Set Screwdriver
Set Pry Bar Flashlight

PARTS

Throttle Body Gasket 313-000-000 \$25.00
Intake Manifold Gasket 313-000-001 \$30.00
Throttle Body Cleaner 313-000-002 \$10.00

STEPS

- 1 Disconnect the battery and remove the intake tube - Park the 2016-2024 Volvo XC90 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 connector an...
- 2 Inspect the throttle bore and plate - Look for sticky carbon on the bore and the backside** of the throttle plate on the 2016-2024 Volvo XC90. Do not force an electronic throttle open by hand beyond its stop - use a scan-tool throttle-mode if specified, or clean only what is r...
- 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 2016-2024 Volvo XC90 intake tract. Never use abrasive sandpaper on the bo...
- 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 2016-2024 Volvo XC90).
- 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 2016-2024 Volvo XC90. Ensure no rags or tools were left in the intake.
- 6 Idle relearn and verify throttle response - Start the 2016-2024 Volvo XC90 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 temporary le...

TORQUE

Throttle body bolts 10 Nm 89 ft-lbs
Intake manifold bolts 20 Nm 15 ft-lbs