2020-2024 BMW X4 - Engine Air Filter Replacement

2020-2024 BMW X4 | Easy | 15-25 minutes | $35 DIY

TOOLS

T25 Torx bit with extension Ratchet 11mm 12-point and 16mm sockets (strut brace, if equipped) Magnetic parts tray Shop towel or microfiber cloth Small vacuum or soft brush Flashlight

PARTS

Engine air filter for 2020-2024 BMW X4; verify engine, housing shape, and VIN fitment $35.00

STEPS

1. **Cool down and locate the driver's-side airbox - Park level, engine off. On the G02 X4** (2020-2024) the filter lives in the large airbox on the driver's side - it covers both the xDrive30i 2.0L and M40i 3.0L. Wipe dust off the lid and seam first.
2. **Clear the strut brace if it blocks the lid - If a strut tower brace crosses over the lid,** blocking the rear screws, remove it first - you'll need an 11mm 12-point socket and a 16mm socket for its fasteners.
3. **Remove the six T25 screws from the airbox top - Back out all six screws with a T25 Torx** bit on an extension, dropping each into a magnetic tray - don't set them on the cowl or fender. Forcing the lid with one still engaged cracks the housing.
4. **Lift the lid and remove the old panel filter - Lift the airbox top straight up. Don't let** the lid hang from the MAF sensor's wiring - and never touch the sensor's element. Lift the old filter out and note its orientation; check whether the pleats are packed with debris.
5. **Clean the box and check the clean-air pipe clamp - Vacuum or wipe the lower airbox half,** clearing grit without pushing anything toward the clean-air outlet feeding the turbo. Wipe the lid's sealing surface too. If the clean-air pipe clamp looks disturbed, reseat it and snug it finger-tight...
6. **Seat the new filter and refit the airbox top - Set the new filter in the same orientation** as the old one, sealing lip flat in the channel. Lower the airbox top back on. Reinstall all six T25 screws, threading each by hand, then snug - snug, not tight; these screws strip easily.
7. **Refit the brace, verify the seal, and test-drive - Reinstall the strut brace - it is** structural. Press around the airbox seam: lid flush, all six screws back in. Idle briefly and listen for hissing that means a poor seal. Short drive to confirm normal turbo response and no warning lights.

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