2019-2024 BMW 5 Series - Replace Air Filter

2019-2024 BMW 5 Series | Easy | 30-45 minutes | $30 DIY

TOOLS

T20 Torx bit with extension E14 Torx socket 16mm socket and ratchet Panel pry tool / trim removal set Shop vacuum or clean rags

PARTS

Engine Air Filter 13717595356 $30.00

STEPS

1. **Understand the G30’s buried airbox - On the 2019-2024 540i (G30, B58 3.0L turbo), the air** filter hides inside the factory airbox low on the passenger side of the engine bay. The lid is screwed down with T20 Torx screws - not a quick clip-box.
2. **Remove the cowl trim and brace for access - Remove the plastic trim panel over the** passenger-side cowl with a panel pry tool. The strut tower brace runs over the airbox: its rear bolts are E14 Torx and the front bolts at the radiator support are 16mm.
3. **Disconnect the MAF sensor - Find the mass airflow sensor on the intake tube at the airbox** and disconnect its harness - squeeze the latch, don’t pull the wires. Don’t touch the sensing element and keep the open tube covered.
4. **Open the airbox - With a T20 Torx bit and an extension, remove the screws around the** airbox lid and lift it off. The factory box pulls up off its mounting grommets if you need more room. Lift out the old panel filter and note the filter’s orientation.
5. **Clean and install the new filter - Vacuum or wipe out the airbox. Set the new panel** filter into the base so its seal sits evenly all the way around. Refit the lid and run the T20 screws back in, tightening evenly so the lid sits flat without warping.
6. **Reconnect the sensor and refit the brace and trim - Plug the MAF harness back in until** the latch clicks. Reinstall or re-tighten the strut tower brace (rear E14, front 16mm - these are structural, so get them properly tight), then snap the cowl trim back on, confirming every clip is seate...
7. **Start up and confirm - Start the engine and let it idle, watching for warning lights.** Listen for whistling around the airbox, which means a lid not seated or a screw missed. Take a short drive with varied throttle; it should pull smoothly with normal turbo sound...

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