2020-2024 BMW 3 Series - Replace Engine Fuse

2020-2024 BMW 3-Series | Moderate | 30 minutes | $2 DIY

TOOLS

Flathead Screwdriver Phillips Head Screwdriver Fuse Puller Multimeter Flashlight

PARTS

20 Amp Fuse 61136942071 $2.00
30 Amp Fuse 61139230533 $3.00
40 Amp Fuse 61139826751 $4.00

STEPS

1. **Identify the failed circuit and correct fuse rating - First, identify exactly which** circuit is dead on the 2020-2024 BMW 3 Series 320i (G20 chassis; the procedure below matches the 2020-2024 car).
2. **Access the engine fuse box safely - The G20 3 Series has four fuse boxes, and** engine-related fuses live in the front ones: one at the front left and one at the front right of the cabin (near the A-pillars, behind trim panels), plus the BDC (body domain controller) box, with...
3. **Verify the suspect fuse with a multimeter - But a fuse that looks perfect can still be** open, so verify with a multimeter on continuity mode or a 12V test light - this takes ten seconds and eliminates guessing.
4. **Install the correct replacement fuse - Install a new fuse of the identical amperage and** the identical physical type - the G20 uses mini, standard ATO, and larger maxi/cartridge fuses, and they are not interchangeable. Do not force a fuse into the wrong cavity - if it does n...
5. **Reassemble and reconnect power - Refit the fuse-box cover so it clicks fully shut - the** cover is also a weather seal, and a poorly seated cover lets moisture corrode the whole box. Reconnect the battery if you disconnected it.
6. **Test the circuit and investigate repeat blows - Switch on the related circuit and confirm** full operation on the 2020-2024 BMW 3 Series 320i. If the new fuse blows immediately, stop - a repeat blow means a short, and each new fuse re-energizes the fault. If the fuse holds, run the circ...

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