2004-2018 BMW 6 Series - Engine Oil & Filter Change

2004-2018 BMW 6 Series | Moderate | 30-60 minutes | $57 DIY

TOOLS

Floor jack or ramps and rated jack stands if needed Oil-drain pan, funnel, gloves, and eye protection Socket or wrench for the drain plug and oil-filter tool Calibrated torque wrench and shop towels 8mm Socket 27mm Socket 8mm Allen (hex-bit) socket

PARTS

Engine Oil (5W-30) $45.00
Correct engine oil filter and drain-plug washer for 2004-2018 BMW 6 Series $12.00

STEPS

1. **Confirm oil specification and make the vehicle safe - Confirm the engine first - two** generations, two procedures. E63: cartridge filter under the engine (8mm Allen socket). F12/F13 640i: housing on TOP, 6.9 quarts (6.5L) of 0W-30 meeting BMW Longlife-01. 650i V8s take more - check the man...
2. **Warm briefly and protect the work area - Warm oil, then shut it off. Remove the fill cap** and place a drain pan under sump. E63: remove the underbody panels to reach the sump plug and filter. F12/F13: pop the engine cover to expose the top-mounted filter housing.
3. **Drain the used oil and replace the filter - E63: 8mm Allen on sump plug, drain fully,** refit with new washer - don’t overtighten. F12/F13: drain plug (M12x1.5) out, new seal at 19 ft-lbs. N55: 27mm socket on top housing, swap element and two O-rings (lightly oiled), refit.
4. **Install the correct oil quantity - Add 6.9 quarts for the N55 640i - stopping short of** full. No dipstick: run briefly, check the electronic level in iDrive, top up in small amounts to the max mark. Refit the cap tightly.
5. **Check level, leaks, and service reminder - Idle and inspect the drain plug and filter** housing for leaks. Recheck the level in iDrive after a short drive. Reset the service reminder through the iDrive menu (or the cluster stalk on the E63).

TORQUE

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