2019-2024 BMW X7 - Change Oil

2019-2024 BMW X7 | Moderate | 1 hour | $65 DIY

TOOLS

Floor Jack Jack Stands 17mm Socket
Oil Filter Wrench Drain Pan Funnel
Gloves Safety Glasses

PARTS

Engine Oil (SAE 0W-30) 83 21 2 365 950 $50.00
Oil filter cartridge element kit (with O-rings) 11427512227 $15.00
Drain plug copper crush washer

STEPS

1. **Prepare the Vehicle - The 2019-2024 X7 M50i (N63 4.4L twin-turbo V8) takes SAE 0W-30 BMW** Longlife-01 FE - do NOT use 0W-20. Capacity is 10.5 liters (~11.1 quarts), so buy three 5-qt jugs. You'll need: cartridge filter (topside), new copper crush washer (M18...
2. **Lift and Secure the Vehicle - Raise the X7 and support it with high-capacity jack stands** - it weighs 5,500+ lbs. Chock the wheels. Remove the extensive undertray to reach the drain plug. The filter is topside under the engine cover; you only go under for the drain pl...
3. **Drain the Old Oil - Position a large drain pan (11+ quart capacity). Remove the drain** plug (40 Nm on reinstall with a NEW copper crush washer - do not reuse). Let the 10.5L drain fully, about 15-20 minutes; N63 oil runs dark from twin-turbo heat.
4. **Replace the Oil Filter (topside) - Open the hood, remove the engine cover, and take off** the filter housing cap. Pull the old cartridge out, replace the O-ring (included with the new filter), and insert the new element. Cap procedure: 40 Nm, slacken 180, then 40 Nm final.
5. **Reinstall the Drain Plug - Reinstall the drain plug (M18x1.5) with a new copper crush** washer and torque to 40 Nm - do not reuse the washer. Wipe clean, reinstall the undertray and engine cover.
6. **Add New Oil and Verify via iDrive - Lower to level ground and add 10.5L (~11.1 qt) of** 0W-30 LL-01 FE. With the engine at operating temperature, check the level via iDrive (Vehicle Info > Oil Level) and top up if low. Check for leaks and reset the service indicator.

TORQUE

Oil Drain Plug 40 Nm 30 ft-lbs
Oil Filter Housing 40 Nm 30 ft-lbs

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