2021-2024 BMW M3 - Oil and Filter Change

2021-2024 BMW M3 | Moderate | 60-90 minutes | $203 DIY

TOOLS

Floor jack Jack stands (rated) Wheel chocks 8mm socket and ratchet 36mm socket Oil drain pan (10L or larger) Funnel Nitrile gloves Shop towels

PARTS

S58 oil filter cartridge element (with O-rings) $20.00
Oil drain plug crush washers (2) $3.00
BMW Longlife-01 FE approved 0W-30 engine oil, approx 7.4 quarts $180.00

STEPS

1. **Warm the engine and secure the car - Start the S58 inline-six and idle two to three** minutes so the 0W-30 warms and carries contaminants out. Park on flat, level ground, engage the parking brake, and chock the rear wheels before touching a bolt.
2. **Lift the car and remove the undertray - Jack the front under the subframe jack pad and** set it on stands at the reinforced side pads. Remove the underbody splash shield - 8mm screws and plastic rivets - to expose the oil pan and drain plug.
3. **Remove the drain plug and drain the oil - Position a wide, low drain pan (8 liter** capacity or more) under the pan and remove the drain plug. Let the oil drain for a full 10 to 15 minutes until it's down to an occasional drip.
4. **Open the oil filter housing - From above, find the black plastic oil filter housing on** the driver side. Fit a 36mm socket on the housing cap, unscrew it, lift out the cartridge. Peel the old O-rings from the cap grooves and wipe the cap clean.
5. **Install the new filter and O-rings - Coat the O-rings with 0W-30 and press them into the** cap grooves without twisting. Drop the cartridge, thread the cap on by hand, then snug it with the 36mm socket; tight enough to seal, never cranked on the plastic threads.
6. **Reinstall the drain plugs and undertray - Thread the drain plug in by hand to avoid** cross-threading the aluminum oil pan, then tighten with a NEW aluminum crush washer. Refit the splash shield with its 8mm screws and plastic rivets so nothing flaps.
7. **Refill with fresh 0W-30 - Pour about 7.0 liters (7.4 quarts) of BMW Longlife-01 FE** approved 0W-30 through the filler neck, adding the last half liter slowly. Do not overfill - the S58 has no dipstick, so the electronic measurement is your only level check.
8. **Check the level and reset the service indicator - Idle the engine while checking** underneath for drips from the drain plugs or filter housing. Check the electronic oil level in iDrive - it needs a few minutes idling - top up if low, then reset the oil service indicator.

ezcarfix.com