2015-2020 BMW M3 - Oil and Filter Change

2015-2020 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

S55 oil filter cartridge element (with O-rings) $20.00
Oil drain plug crush washers (2) $3.00
BMW Longlife-01 approved 0W-40 engine oil, approx 6.9 quarts $180.00

STEPS

1. **Warm the engine and secure the car - Start the S55 inline-six and idle two to three** minutes so the 0W-40 warms and flows out carrying contaminants. Park on flat, level ground, engage the parking brake, and chock the rear wheels.
2. **Lift the car and remove the undertray - Raise the front with a floor jack under the** subframe jack pad, then set it on stands at the side pads. Remove the 8mm screws and plastic rivets holding the splash shield to expose the oil pan and drain plug.
3. **Remove the drain plug and drain the oil - Position a wide, low oil drain pan (8 liter** capacity or more) under the pan and remove the drain plug. Let the oil drain a full 10 to 15 minutes until down to an occasional drip.
4. **Open the oil filter housing - Find the oil filter housing on the driver’s side. Fit a** 36mm socket on the cap, unscrew it, and lift out the old cartridge. Peel the old O-rings from the grooves and wipe the cap clean.
5. **Install the new filter and O-rings - Coat the new O-rings with fresh 0W-40 and press them** into the cap grooves without twisting. Drop the cartridge in, hand-thread the cap, then snug 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 pan, then tighten it firmly with a NEW aluminum crush washer. Refit the splash shield with all 8mm screws and plastic rivets so nothing flaps at speed.
7. **Refill with fresh 0W-40 - Pour approximately 6.5 liters (6.9 quarts) of BMW Longlife-01** approved 0W-40 through the filler neck, adding the last half liter slowly. Do not overfill; the S55 has no dipstick, so the electronic measurement is your only level check.
8. **Check the level and reset the service indicator - Start the engine and idle, checking** underneath for drips from the drain plug and filter. After a few minutes, check the oil level in iDrive; top up if low, then reset the service through the cluster menu.

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