2008-2013 BMW M3 - Oil and Filter Change

2008-2013 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

S65 oil filter cartridge element (with O-rings) $20.00
Oil drain plug crush washers (2) $3.00
BMW-approved 10W-60 engine oil, approx 9.3 quarts $180.00

STEPS

1. **Warm the engine and secure the car - Start the S65 V8 and let it idle for two to three** minutes. Park on flat, level ground, engage the parking brake, and chock the rear wheels before you touch a single bolt.
2. **Lift the car and remove the undertray - Raise the front of the M3 with a floor jack under** the front subframe jack pad, then set it down onto jack stands at the reinforced side jack pads. Remove the large front underbody splash shield by taking out its 8mm screws and plastic rive...
3. **Remove both drain plugs and drain the oil - Position a wide, low oil drain pan (10 liter** capacity or more) under the pan and remove BOTH drain plugs. Let the oil drain for a full 10 to 15 minutes until it is down to an occasional drip.
4. **Open the oil filter housing - From above, find the black plastic oil filter housing on** the driver side of the engine bay. Fit a 36mm socket on the housing cap, unscrew it, and lift out the old cartridge filter; peel the old O-rings out of the cap grooves and wipe the c...
5. **Install the new filter and O-rings - Coat the new O-rings with fresh 10W-60 and press** them firmly into the cap grooves so they seat evenly without twisting. Drop the new cartridge filter into the housing, thread the cap on by hand first, then snug it with the 36mm socket -...
6. **Reinstall the drain plugs and undertray - Thread both drain plugs in by hand to avoid** cross-threading the aluminum oil pan, then tighten them firmly with NEW aluminum crush washers on each plug. Refit the splash shield with all of its 8mm screws and plastic rivets so nothing flaps...
7. **Refill with fresh 10W-60 - Pour approximately 8.8 liters (9.3 quarts) of BMW-approved** 10W-60 through the filler neck on the valve cover, adding the last half liter slowly. Do not overfill - the S65 has no dipstick, so the electronic measurement is your only level...
8. **Check the level and reset the service indicator - Start the engine and let it idle while** you look underneath for any drips from the plugs or filter housing. Check the electronic oil level in iDrive, top up if it reads low, then reset the oil service indicator through the instrument cluste...

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