2011-2016 BMW 5 Series | Moderate | 1 hour | $67 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Oil Filter Wrench Torque Wrench 36mm Socket Drain Pan Funnel

PARTS

Engine Oil $50.00
Oil filter cartridge element kit (with O-rings) BMW 11427512355 $15.00
Drain Plug Washer BMW 11137512355 $2.00

STEPS

1. **Prepare (LL-01, 6.9 qt!) - The 2011-2016 BMW 5 Series (F10, 535i N55 3.0L turbo inline-6)** oil change: 0W-30 or 5W-30 meeting BMW LL-01. Capacity: 6.9 quarts with filter. You'll need: BMW LL-01-approved 0W-30/5W-30 (buy 7+ quarts - you'll use 6.9), cartridge filt...
2. **Drain the Old Oil - Remove the drain plug - let the old oil drain (expect ~6.9 quarts).** The old LL-01 oil should drain freely. The N55's turbo is hard on oil - the 6.9-qt capacity helps. Let it drain completely.
3. **Replace Top Cartridge - Remove the cartridge filter housing from the TOP of the N55** engine. Replace the element and the housing O-rings. Use an OE-grade cartridge. The N55's filter housing is the BMW standard - 36mm socket typically.
4. **Reinstall Drain Plug (18 ft-lbs) - Torque to 18 ft-lbs (AMSOIL). The F10's N55 drain plug** needs 18 ft-lbs. Use a torque wrench. The aluminum pan strips easily - don't over-tighten. The 18 ft-lb is the BMW spec - not the Mopar 20.
5. **Add 6.9 Quarts (LL-01!) - Add 6.9 quarts of BMW LL-01-approved 0W-30 or 5W-30 through the** filler cap. Use ONLY LL-01 - the N55's turbo needs it. Check the dipstick/electronic level after filling. The LL-01 (not LL-04 diesel) is the spec.
6. **Check Level, Reset CBS - Start the engine - check for leaks (drain plug, filter housing).** Recheck the oil level. Reset the CBS (Condition Based Service) oil indicator. The LL-01 0W-30/5W-30 (not just Euro), the 6.9-qt capacity, top cartridge, and 18 ft-lb plug a...

TORQUE

Oil Drain Plug 24 Nm 18 ft-lbs
Oil Filter Housing 25 Nm 18 ft-lbs

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