2019-2024 BMW 5 Series - Change Engine Oil

2019-2024 BMW 5 Series | Moderate | 45 minutes | $57 DIY

TOOLS

17mm Socket Oil Filter Wrench Oil Drain Pan Funnel Torque Wrench Gloves Jack Stands Ratchet Wrench Drive Socket #36 Drive Socket #19 27mm Socket

PARTS

Engine Oil (0W-20 BMW Longlife-17 FE+, 5.4L) $40.00
Oil filter cartridge element kit (with O-rings) 11428570590 $15.00
Oil Drain Plug Washer $2.00

STEPS

1. **Prepare the Vehicle - The 2019-2024 BMW 530i (G30, B46 2.0L turbo) takes SAE 0W-20 (BMW** Longlife-17 FE+ or LL-14 FE+). Capacity: 5.7 quarts (~5.4L). You'll need: 0W-20 LL-17FE+, cartridge filter (topside, BMW 11428570590), new drain plug washer. Filter cap ta...
2. **Lift and Secure the Vehicle - Raise the 530i and support with jack stands. Ensure it's** level. Chock the wheels. The G30's undertray needs removal for the drain plug (17mm). The B46's turbo is hot if recently driven - let it cool.
3. **Drain the Old Oil - Position the drain pan. Remove the 17mm drain plug (new washer on** reinstall; torque per BMW spec - check manual). Let the 5.7 quarts drain. The B46's oil should look normal. iDrive tip: the system won't show overfill precisely, so add 5L...
4. **Replace the Oil Filter (topside, 27mm) - The 530i uses a CARTRIDGE filter accessed from** the TOPSIDE. Open the hood. Locate the oil filter housing. Use a 27mm socket to remove the filter cap. Pull the old cartridge out (BMW 11428570590). Replace the o-rings. Insert the new cartrid...
5. **Reinstall the Drain Plug - Reinstall the 17mm drain plug with a new washer. Torque to BMW** spec (check manual - not verified for the B46 specifically). Wipe clean. Reinstall the undertray. Verify secure. The B46's turbo needs good oil pressure - ensure no leaks.
6. **Add New Oil and Verify via iDrive - Add 0W-20 LL-17FE+: start with 5L, then check via** iDrive. Add the remaining ~0.4L if the iDrive shows low. The 530i's B46 is a refined 2.0L turbo - proper LL-17FE+ oil keeps it smooth.

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