2017-2024 Mercedes-Benz GLS - Engine Oil & Filter

2017-2024 Mercedes-Benz GLS | Moderate | 30-60 minutes | $57 DIY

TOOLS

Floor jack or ramps and rated jack stands if needed Oil-drain pan, funnel, gloves, and eye protection Socket or wrench for the drain plug and oil-filter tool
Calibrated torque wrench and shop towels
8mm Socket

PARTS

Engine Oil (0W-20) $45.00
Correct engine oil filter and drain-plug washer for 2017-2024 Mercedes-Benz GLS $12.00

STEPS

1. **Confirm your GLS's engine and oil spec - 2020-2024 GLS 450 (M256 inline-6): 8.9 quarts** (8.5L) 0W-20 with filter. The 2017-2019 3.0L V6 and GLS 580 (10.0 qt) differ - confirm your engine and capacity first. Cartridge in a TOP-side housing. Park level, brake set, chock wheels.
2. **Access the filter housing and drain plug - Hood open: the cartridge housing cap is on top** - no lifting for the filter. Drain side: warm briefly, shut off, get underneath, remove the undertray (8mm bolts). The 13mm plug is on the pan's bottom; pan under it.
3. **Drain the oil and replace the cartridge - Loosen the 13mm plug; drain fully. Meanwhile** unscrew the top cap, lift the old element, replace the O-rings pre-lubed with fresh oil. Seat the new element; reinstall the cap. Torque cap and plug per the manual - forced plastic cracks.
4. **Reinstall, refill, and check the dipstick - Refit the plug with a fresh washer; refit the** undertray with its 8mm bolts. Car level: pour 8.9 quarts 0W-20 (GLS 450). Wait several minutes, dipstick. Pour slowly - the narrow filler neck burps oil back.
5. **Check for leaks and reset the service indicator - Run 30 seconds; check plug and top** housing for leaks. Off, wait five minutes, recheck dipstick. Reset the service indicator via the cluster. Recheck underneath after the first drive - housing O-rings are the usual drip suspect.

TORQUE

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