2020-2026 Mazda CX-30 - Oil and Filter Change

2020-2026 Mazda CX-30 | Easy | 30-60 minutes | $40 DIY

TOOLS

Floor jack and two jack stands (or car ramps) Ratchet with 8mm Allen socket Oil filter cup wrench (65mm, 14 flute) or strap wrench Oil drain pan (at least 6 quarts) Funnel Nitrile gloves Safety glasses Shop rags

PARTS

0W-20 full synthetic engine oil (approx. 5.1 US quarts) $26.00
Spin-on oil filter (Mazda PE01-14-302 or equivalent) PE01-14-302 $13.00
Oil drain plug crush washer (aluminum) $1.00

STEPS

1. **Warm the engine and set up - Drive the CX-30 for 5 to 10 minutes, or idle it for 2 to 3** minutes, so the 0W-20 oil is warm and flows freely. Warm oil drains far faster and carries more sludge and contaminants out with it.
2. **Raise the front and support it safely - Lift the front of the CX-30 with a floor jack** using the front subframe jacking point, then set two jack stands under the reinforced pinch welds and lower the car onto them. Ramps also work well on the CX-30 since it sits relatively low. Ne...
3. **Open the underbody access panel - Look under the front of the engine for the plastic** underbody cover with a small removable access door, or remove the fasteners holding the panel section in place. The drain plug and the spin-on oil filter on the CX-30 are both accessed thr...
4. **Drain the old oil - Position a drain pan directly under the oil drain plug on the** aluminum oil pan and loosen the plug with an 8mm Allen socket, finishing by hand while pressing inward so oil does not run down your arm. Let the oil drain until it slows to an...
5. **Remove the old spin-on oil filter - The spin-on oil filter on the CX-30 threads onto the** side of the oil pan area at a slight angle, so move the drain pan under it and loosen it with a 65mm 14-flute cup wrench or a strap wrench. Unscrew it by hand the rest of the way, keepin...
6. **Install the new filter and drain plug - Dip your finger in fresh 0W-20 and coat the new** filter’s rubber O-ring, then spin it on by hand until the gasket contacts the boss and give it another three-quarter turn, which is tight enough to seal without crushing the gasket. Fit a new...
7. **Refill with 0W-20 and check the level - Lower the car back onto level ground, place a** funnel in the valve-cover filler neck, and pour in fresh 0W-20 full synthetic oil, roughly 5.1 US quarts with a filter change on the 2.5L SkyActiv-G. Reinstall the filler cap, start the engine...
8. **Check for leaks and the level - Start the engine again and let it idle while you look** underneath for any drips at the drain plug and filter, then shut it off and do one final dipstick check.

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