2006-2010 Kia Optima - Engine Oil and Filter Change

2006-2010 Kia Optima | Moderate | 30-45 minutes | $57 DIY

TOOLS

Floor jack and jack stands Wheel chocks Oil drain pan Socket set Oil filter wrench Funnel Clean rags and nitrile gloves

PARTS

Spin-on oil filter for 2006-2010 Kia Optima 2.4L (PH9688 / 51334 type) $10.00
Engine oil, 5W-20 or grade per owner's manual, about 4.3 liters $41.00
Drain plug crush washer $6.00

STEPS

1. **Warm up and park securely - Idle the engine a few minutes so the oil thins, then switch** off. Park on flat ground and set the parking brake. On the 2.4L Theta, both the spin-on filter and drain plug are reached from underneath.
2. **Raise the front safely - Lift the front with a floor jack and rest it on jack stands at** the reinforced points, chocking the rear wheels. Shake the car firmly to confirm it sits solidly on the stands - you'll be reaching under the engine.
3. **Drain the oil - Place the drain pan beneath the oil pan, loosen the drain plug with a** socket, and unscrew it by hand. Let the oil drain until it barely drips. While you wait, check the plug threads and washer condition.
4. **Reinstall the drain plug - Fit a new crush washer on the plug and start it by hand to** avoid cross-threading the aluminum pan. Tighten firmly with a socket, but don't muscle it - aluminum threads strip easily. Wipe the pan dry around the plug.
5. **Spin off the old oil filter - Move the drain pan under the filter on the side of the** block; loosen the spin-on with a filter wrench. Unscrew it by hand, keeping it upright so oil stays inside. Verify the old gasket came off with the filter.
6. **Install the new filter - Coat the new filter's gasket lightly with fresh oil and thread** it on by hand until the gasket touches the block. Turn it another three-quarters of a turn by hand and stop. Hand-tight is correct; a wrench will overtighten it.
7. **Add new oil and check the level - Lower the car to level ground and pour fresh oil in** through a funnel. The 2.4L takes about 4.3 liters with a filter change - add most of it, then top up in small increments to full.
8. **Run the engine and check for leaks - Start the engine and confirm the oil light goes out;** check the drain plug and filter for seepage. Switch off, wait a few minutes, and recheck the dipstick. Reset the service reminder, log mileage, and recycle the oil and filter.

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