

2003-2009 Kia Sorento | Moderate | 30-45 minutes

TOOLS

Ramps or floor jack and jack stands Wheel chocks Oil drain pan Socket set Oil filter cap wrench for the cartridge housing Funnel Clean rags and nitrile gloves

PARTS

Cartridge oil filter kit for 2007-2009 Kia Sorento 3.3L V6 (includes O-rings)
Engine oil, viscosity per owner's manual
Drain plug crush washer

STEPS

- 1 Warm the engine slightly and park securely - Start the Sorento and let it idle for two to three minutes** so the oil thins and drains fully, then switch it off. Park on flat, level ground and engage the parking brake. Warm oil drains far more com...
- 2 Raise the front and secure it - Drive the front wheels onto ramps or lift the front with a floor jack** and set it firmly on jack stands, chocking the rear wheels. The drain plug on the BL Sorento is underneath, so you need safe, sta...
- 3 Drain the old oil - Slide a drain pan under the oil pan, then loosen the drain plug with a socket** and finish removing it by hand. Let the oil drain until it slows to an occasional drip, which takes several minutes on th...
- 4 Reinstall the drain plug - Fit a new crush washer on the drain plug and thread it in by hand** to avoid cross-threading the aluminum oil pan. Snug it firmly with a socket but do not overtighten, since stripping the pan threads t...
- 5 Locate the cartridge filter housing up top - Open the hood and find the black plastic oil filter housing cap** on top of the 3.3L V6. Unlike older spin-on filters underneath, the Lambda 3.3L uses a top-side cartridge housing you service from abov...
- 6 Open the housing and remove the old cartridge - Fit an oil filter cap wrench on the plastic housing cap** and loosen it counterclockwise, then lift the cap and pull the old cartridge element straight out. Expect some oil to drip, so keep a rag handy...
- 7 Install the new cartridge and O-rings - Pull the old O-rings off the housing cap and roll the new ones** from the filter kit into their grooves. Lightly coat the O-rings with clean engine oil so they seat without pinching. Drop the new cartr...
- 8 Add the new engine oil - Remove the oil filler cap on the valve cover and pour in new oil** of the viscosity specified in your owner's manual, using a funnel to avoid spills. Add most of the capacity first, then check the dips...
- 9 Start the engine and check for leaks - Start the engine and let it idle for a minute while you** watch the oil pressure warning light go out. Look under the car at the drain plug and up top at the filter housing for any sign of leaking oil....
- 10 Verify the level and finish up - Pull the dipstick, wipe it, reinsert it fully, and check that** the level sits at the full mark. Add a small amount if needed and recheck. Lower the vehicle off the ramps or stands, record the mileage...