2004-2007 Buick Rainier - Oil and Filter Change

2004-2007 Buick Rainier | Easy | 30-45 minutes | $13 DIY

TOOLS

Floor jack Jack stands Wheel chocks
Wrench set Oil-filter wrench Drain pan (8+ quart) Funnel Rags Gloves

PARTS

5W-30 engine oil (6-7 quarts per engine)
Spin-on oil filter $13.00
Drain plug washer (if equipped) $6.00

STEPS

1. **Warm the engine and park on level ground - Start the Rainier and let it idle for 2-3** minutes so the oil thins and drains completely; do not get it fully hot. Park on a flat surface, shift into Park, and set the parking brake firmly.
2. **Raise the front and locate the drain plug - If you need clearance, lift the front with a** floor jack and support it on jack stands placed under the frame rails - never work under a vehicle held only by a jack. Crawl under and find the oil drain plug on the rear-facing side of the o...
3. **Remove the oil fill cap and drain the oil - Twist off the oil fill cap on top of the** valve cover so air can enter and the oil drains faster. Let the oil drain until it slows to an occasional drip, which takes about 10 minutes.
4. **Remove the old oil filter - The spin-on oil filter hangs vertically near the drain plug** on both the 4.2L and 5.3L. Loosen it with an oil-filter wrench, then spin it off by hand, keeping it upright so residual oil does not spill.
5. **Install the new filter and drain plug - Smear fresh 5W-30 oil on the new filter’s rubber** gasket, then thread it on by hand until the gasket contacts the block and tighten an additional three-quarter turn - do not use the wrench to tighten. Inspect the drain plug and its washer...
6. **Add the correct amount of new oil - The 4.2L inline-six takes 7 quarts of 5W-30; the 5.3L** V8 takes 6 quarts - pour in about a half-quart less than capacity through the fill tube using a funnel. Reinstall the fill cap, start the engine for 30 seconds, then shut it off and w...
7. **Check for leaks and reset the oil-life monitor - To reset the oil-life system, turn the** key to ON with the engine off and fully press the accelerator pedal three times within five seconds, then verify the ’Change Engine Oil’ message clears.
8. **Dispose of the used oil properly - Pour the used oil into a sealed container. Take the** used oil and old filter to an auto-parts store or recycling center - never pour oil on the ground or into drains. Record the mileage and date.

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