2003-2008 Honda Pilot - Engine Oil and Filter

2003-2008 Honda Pilot | Easy | 30-45 minutes | $41 DIY

TOOLS

Floor jack and jack stands 17mm wrench Torque wrench Oil filter wrench Flat blade screwdriver Oil drain pan Funnel Brake parts cleaner Cloth rags Safety glasses Gloves Wheel chocks

PARTS

5W-20 engine oil (5 quarts; use 5.1 qt for 2003-2004, 4.5 qt for 2005-2008) $25.00
Oil filter 15400-PLM-A02 15400-PLM-A02 $15.00
Drain plug crush washer 94109-14000 94109-14000 $1.00

STEPS

1. **Prepare the Pilot and supplies - Park your 2003-2008 Honda Pilot on a level surface and** engage the parking brake. The first-generation Pilot uses the 3.5L J35 V6 specifying 5W-20: 2003-2004 (J35A4) take 5.1 quarts with a filter, 2005-2008 (J35A6) take 4.5 quarts. Gather 5...
2. **Lift the front securely - Chock the rear wheels. The Pilot is a heavy SUV with good** ground clearance, but lifting provides comfortable working room. As shown in the TRQ video, ensure the vehicle is stable before crawling underneath. Never rely on the jack alone.
3. **Remove the drain plug - Position a drain pan under the oil pan. Locate the 17mm drain** plug. Using a 17mm wrench, turn counterclockwise to loosen. The TRQ video lists a flat blade screwdriver, 17mm wrench, oil filter wrench, and torque wrench among the required to...
4. **Remove the old oil filter - Move the drain pan under the oil filter location on the side** of the engine block. Use an oil filter wrench to break the filter loose counterclockwise, then spin off by hand. The video notes that replacing the engine oil filter is essential...
5. **Install the new oil filter - Apply fresh 5W-20 oil to the new filter’s rubber gasket.** Thread the Honda filter (15400-PLM-A02 or equivalent) onto the mounting stud by hand. Once the gasket makes contact with the engine surface, tighten an additional 3/4 turn by hand. D...
6. **Reinstall the drain plug - Clean the drain plug threads and install a new aluminum crush** washer (94109-14000). Start the plug by hand to avoid cross-threading. Using a torque wrench, tighten the 17mm drain plug to 29 ft-lbs (39 Nm), the Honda factory specification f...
7. **Refill with fresh oil - Lower the Pilot off the jack stands onto level ground. Open the** hood and remove the oil filler cap on the valve cover. Insert a funnel and pour in 5.1 quarts of 5W-20 on 2003-2004 models or 4.5 quarts on 2005-2008 models. The first-gen Pil...
8. **Check level and inspect for leaks - Start the engine and let it idle for 60 seconds to** fill the new filter and build oil pressure. Turn off and wait 2 minutes. Pull the dipstick, wipe, reinsert, and verify the level is at the upper mark. Look underneath for any leaks at the...

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