2010-2012 Acura RDX - Engine Oil and Filter Change

2010-2012 Acura RDX | Easy | 30-45 minutes | $47 DIY

TOOLS

Floor jack and jack stands 17mm socket and ratchet Torque wrench Oil filter wrench Oil drain pan (6+ quart capacity) Funnel 10mm socket (for undercover) Shop rags Safety glasses Gloves

PARTS

5W-30 full synthetic engine oil (5 quarts) $31.00
Honda/Acura oil filter 15400-PLM-A02 15400-PLM-A02 $15.00
Oil drain plug crush washer 94109-14000 94109-14000 $1.00

STEPS

1. **Prepare the vehicle and gather supplies - Park your 2010-2012 Acura RDX on a level** surface and engage the parking brake. The RDX uses the 2.3L turbocharged K23A1 engine which requires 5W-30 full synthetic oil with a capacity of 5.0 quarts when changing the filter. Gather 5 quarts...
2. **Lift the vehicle safely - Use a floor jack to lift the front of the RDX and secure it on** jack stands placed at the reinforced pinch welds. Never work under a vehicle supported only by a jack.
3. **Remove the engine undercover - The 2010-2012 RDX has a plastic engine undercover that** must be removed to access the drain plug and oil filter. Remove the clips and 10mm bolts securing the undercover, then set it aside. This exposes the oil pan drain plug (17mm) and the...
4. **Drain the old engine oil - Position a drain pan under the oil pan and remove the 17mm** drain plug using a socket wrench. Allow the old oil to drain completely for at least 10 minutes. The K23A1 turbo engine holds 5.0 quarts, so ensure your drain pan has sufficient ca...
5. **Remove the old oil filter - Locate the oil filter on the front of the engine block. Use** an oil filter wrench to loosen the filter, turning counterclockwise. Be prepared for oil to spill from the filter housing. Clean the filter mounting surface with a rag.
6. **Install the new oil filter - Apply a thin film of fresh 5W-30 oil to the rubber gasket of** the new filter. Screw the new filter onto the mounting stud by hand until the gasket contacts the surface, then tighten an additional 3/4 turn. Do not overtighten with a wrench ...
7. **Reinstall the drain plug - Tighten the 17mm drain plug to 29 ft-lbs (39 Nm) using a** torque wrench. This is the factory specification for the K23A1 engine. Overtightening can strip the oil pan threads, while undertightening may cause leaks.
8. **Refill with fresh engine oil - Using a funnel, pour in 5.0 quarts of 5W-30 full synthetic** oil. The turbocharged K23A1 requires synthetic oil meeting Honda HTO-06 specification for optimal turbocharger protection. Replace the fill cap securely.
9. **Run the engine, let it settle, and check the level - Start the engine and let it idle for** 30 seconds to circulate oil through the new filter. Turn off the engine and wait 2 minutes for oil to settle. It should be at the upper mark.
10. **Reset the maintenance minder - Turn the ignition to ON (without starting). Use the** steering wheel controls to navigate to the oil life display. Press and hold the reset button until the oil life resets to 100%. This clears the maintenance reminder.

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