2010-2012 Acura RDX - Turbocharger Replacement

2010-2012 Acura RDX | Advanced | 4-6 hours | $1,201 DIY

TOOLS

10mm Socket 14mm Socket 17mm Socket Socket Wrench Torque Wrench Flathead Screwdriver Phillips Head Screwdriver Jack Stands Oil Drain Pan Funnel

PARTS

Turbocharger Assembly M8040167R $1,086.03
Turbocharger Installation Kit 172-784-0280 $95.00
Oil Return Pipe Gasket $19.61

STEPS

1. **Disconnect the battery and let the turbo cool - Park the 2010-2012 Acura RDX on level** ground and allow the turbo and exhaust to cool completely - burns are common. Disconnect the negative battery cable. Wear gloves and eye protection. Support the RDX if underbody access is required.
2. **Remove intake, charge pipes, and heat shields - Remove the engine cover, intake tubing,** and charge/boost pipes connected to the turbo on the 2010-2012 Acura RDX. Label vacuum/solenoid hoses and electrical connectors (wastegate, VGT, speed sensor). Remove heat shields and exhaust downpip...
3. **Disconnect oil/coolant lines and unbolt the turbo - Place drain pans under oil and** coolant feed/return lines. Disconnect the lines and cap them to keep debris out of the engine. Unbolt the turbo from the exhaust manifold or integrated housing and remove it carefully - it is heavy and awkw...
4. **Compare and prep the new turbo - Match flange, compressor outlet, and actuator style to** the old unit. Prime the new turbo with clean engine oil through the oil feed port and hand-spin the shaft. Inspect the downpipe and intake for oil/debris.
5. **Install the new turbo and reconnect lines - Install new gaskets dry (unless specified** otherwise). Mount the turbo, torque fasteners in the specified sequence, and reconnect oil then coolant lines with new seals. Reattach the downpipe, charge pipes, sensors, and heat shields. Do not...
6. **Refill fluids, prime oil, and break-in gently - Refill coolant and oil if drained.** Reconnect the battery. Crank without starting (or follow the maker’s prime procedure) until oil pressure builds. Start the 2010-2012 Acura RDX, check for boost/exhaust/oil leaks, and idle until warm. Av...

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