2009-2017 Audi Q5 2.0T - Turbocharger Replacement

2009-2017 Audi Q5 | Advanced | 4-6 hours | $2,350 DIY

TOOLS

10mm Socket 13mm Socket T30 Torx Driver Flathead Screwdriver Jack Stands Torque Wrench Ratchet Wrench Extension Bar Pry Bar Oil Drain Pan

PARTS

Turbocharger Assembly $2,200.00
Turbocharger Gasket Kit 06L145901A $150.00
Coolant Return Line 06L121065A $120.00

STEPS

1. **Disconnect the battery and let the turbo cool - Park the 2009-2017 Audi Q5 2.0T 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 2009-2017 Audi Q5 2.0T if underbody...
2. **Remove intake, charge pipes, and heat shields - Remove the engine cover, intake tubing,** and charge/boost pipes connected to the turbo on the 2009-2017 Audi Q5 2.0T. Label vacuum/solenoid hoses and electrical connectors (wastegate, VGT, speed sensor). Remove heat shields and exhaust down...
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 2009-2017 Audi Q5 2.0T engine.
4. **Compare and prep the new turbo - Prime the new turbo with clean engine oil through the** oil feed port and hand-spin the shaft. Replace gaskets, oil-feed restrictor (if equipped), and any crushed crush washers on the 2009-2017 Audi Q5 2.0T. Inspect the downpipe and intake f...
5. **Install the new turbo and reconnect lines - Install new gaskets dry (unless specified** otherwise). Reattach the downpipe, charge pipes, sensors, and heat shields on the 2009-2017 Audi Q5 2.0T. Do not use silicone on oil-gasket faces.
6. **Refill fluids, prime oil, and break-in gently - Refill coolant and oil if drained.** Reconnect the battery. Start the 2009-2017 Audi Q5 2.0T, check for boost/exhaust/oil leaks, and idle until warm. Avoid high boost for the first short drive; clear codes and verify boost control.

TORQUE

Turbo to manifold nuts 40 Nm 30 ft-lbs
Oil feed line 25 Nm 18 ft-lbs

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