

2017-2024 Audi A4 | Advanced | 4-6 hours | \$800 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack
Stands Torque Wrench Ratchet Wrench
Extension Bar Pry Bar T30 Torx Bit
T40 Torx Bit Rubber Mallet

PARTS

Replacement Turbocharger \$685.99
Turbocharger Gasket Set \$50.00
Oil Return Line Gasket 06H145735A \$15.00
Coolant Return Line Gasket \$15.00

STEPS

- 1 Disconnect the battery and let the turbo cool - Park the 2017-2024-2024 Audi A4/Q5 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 vehicle if underbody access is...
- 2 Remove intake, charge pipes, and heat shields - Remove the engine cover, intake tubing, and charge/boost pipes connected to the turbo on the 2017-2024-2024 Audi A4/Q5.** Label vacuum/solenoid hoses and electrical connectors (wastegate, VGT, speed sensor). Remove heat shields and exhaust...
- 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 2017-2024-2024 Audi A4/Q5 engine. Unbolt the turbo from the exhaust manifold or integrated housing and remove it carefully...
- 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. Replace gaskets, oil-feed restrictor (if equipped), and any crushed crush was...
- 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 on the 2...
- 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 2017-2024-2024 Audi A4/Q5, check for boost/exhaust/oil leaks, and idle until...