2018-2024 Volkswagen Tiguan - Replace Turbocharger

2018-2024 Volkswagen Tiguan | Advanced | 4-6 hours | $2,184 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Ratchet Wrench Extension Bar Pliers Oil Drain Pan Funnel Gloves

PARTS

Turbocharger Assembly 06K-145-061 $2,089.24
Turbocharger Gasket 06K-145-215 $50.00
Oil Drain Plug Gasket N-903-247-01 $5.00
Coolant Hose Clamp 06K-121-144 $10.00
Engine Oil (5W-30) $30.00

STEPS

1. **Disconnect the battery and let the turbo cool - Park the Tiguan S on level ground and let** the turbo and exhaust cool completely - burns are common. Disconnect the negative battery cable. Wear gloves and eye protection. Support the vehicle 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. Label vacuum/solenoid hoses and electrical connectors (wastegate, VGT, speed sensor). Remove heat shields and exhaust downpipe fasteners as needed.
3. **Disconnect oil/coolant lines and unbolt the turbo - Place drain pans under the oil and** coolant feed/return lines. Disconnect and cap the lines to keep debris out of the engine. Unbolt the turbo from the exhaust manifold or integrated housing - it’s heavy and awkward, so lift carefully.
4. **Compare and prep the new turbo - Match flange, compressor outlet, and actuator style.** Prime the new turbo with clean engine oil through the feed port and hand-spin the shaft. Replace gaskets, the oil-feed restrictor (if equipped), and crushed crush washers; inspect the do...
5. **Install the new turbo and reconnect lines - Install new gaskets dry (unless specified** otherwise). Mount the turbo and torque fasteners in the specified sequence, then reconnect oil and coolant lines with seals. Reattach the downpipe, charge pipes, sensors, and heat shields - never...
6. **Refill fluids, prime oil, and break-in gently - Refill coolant and oil if drained, then** reconnect the battery. Crank without starting (or follow the maker’s prime procedure) until oil pressure builds. Start up, check for boost/exhaust/oil leaks, and idle until warm. Skip high boost; cle...

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