2012-2017 Audi A5 | Advanced | 2-3 hours | $188 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Coolant Drain Pan

PARTS

Engine Coolant Thermostat Kit 06E121111M $163.49
Coolant Flange Seal 06E121139E $20.00
O-Ring Cross Pipe 06E121119A $5.00

STEPS

1. **Cool the engine and drain some coolant - Work only on a cold engine. Place a drain pan** under the radiator/lower hose and drain enough coolant to bring the level below the thermostat housing. Capture coolant for reuse or recycling. Wear gloves and eye protection.
2. **Locate and expose the thermostat housing - On the 2012-2017 Audi A5 3.2L: find the** thermostat housing - usually on the engine end of the upper radiator hose, or on a housing fed by a smaller coolant pipe. Remove engine covers, an air-intake tube, or a heat shield if they block ac...
3. **Remove the housing and old thermostat - Twist gently to break the gasket seal - do not** pry against thin aluminum. Lift off the housing and remove the thermostat. Note which direction the spring/jiggle pin faced.
4. **Clean mating surfaces - Clean all old gasket material or RTV from the housing and engine** mating surfaces without gouging aluminum. Check the housing for warpage or corrosion. Replace the rubber gasket/O-ring; do not reuse a crushed seal.
5. **Install the new thermostat and housing - Install the new thermostat in the correct** orientation (spring toward the engine on most designs; jiggle pin at the prescribed clock position if specified). Fit the new gasket, reinstall the housing, and tighten bolts evenly to the specifie...
6. **Refill, bleed, and verify temperature - Refill with the correct coolant. Bleed air, then** run the engine until it reaches operating temperature and confirm the upper radiator hose gets hot (thermostat opened) and the gauge/reading is normal.

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