# 2009-2016 Audi A4 - Water Pump Replacement



**2009-2016 Audi A4 | Advanced | 2-3 hours | $180 DIY**

**TOOLS**

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Ratchet Wrench Combination Spanner #13 Combination Spanner #17 Combination Spanner #19 Combination Spanner #22 Water Pump Pliers Drain Pan

**PARTS**

Water Pump Assembly 131-2460 $150.00
Coolant G013A8J1G1 $20.00
Water Pump Gasket 06H121011A $10.00

## STEPS

1. **Prepare (plastic housing - upgrade!) - The 2009-2016 Audi A4 B8 (2.0T) water pump** replacement: NOTORIOUS plastic (composite) water pump housing - cracks/deforms near the block-side mounts, seal swells. Driven by its OWN small belt (not the timing chain, not the serpentine)....
2. **Drain, Remove the Small Belt - Drain the G12/G13 coolant. Remove the small pump belt.** Inspect the old plastic housing for cracks/deformation at the block-side mounts (the notorious failure). If you're here for a leak, the plastic housing is almost certainly the cause.
3. **Remove the Plastic Pump - Remove the water pump. The B8's pump is a composite (plastic)** unit - inspect for cracks, warping, seal swelling. The block-side mounts are the crack point. Clean the mating surface on the block. If the auxiliary electric pump (V51) is le...
4. **Install Aluminum Pump (recommended!) - Install the new water pump - ALUMINUM (URO Premium** or equivalent) is strongly recommended over another plastic unit. Use the OE union 06H121131C if needed. Torque to spec (service data).
5. **Refill G12/G13 - Refill with G12/G13 coolant ONLY - the B8 2.0T uses VW/Audi-spec** coolant. Do NOT use green, Dex-Cool, or Asian - mixing causes sludge. Fill the expansion tank. Bleed: run to operating temp with heat on max, let the thermostat open, coo...
6. **Verify, Check Recall, Recheck - Start the engine - check for leaks at the pump. The gauge** should climb to normal. Verify the small belt is tracking. The NOTORIOUS plastic housing (upgrade to aluminum), the dedicated small belt (not timing/serpentine), G12/G13 only, and...

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