2016-2025 Chevrolet Malibu 1.5T - Water Pump

2016-2025 Chevrolet Malibu | Advanced | 2-3 hours | $200 DIY

TOOLS

10mm Socket 13mm Socket 15mm Socket Flathead Screwdriver Jack Stands Torque Wrench Coolant Catch Pan Extension Bar Ratchet Wrench Pry Bar

PARTS

Water Pump $150.00
Water Pump Gasket $20.00
Coolant GM-12346290 $30.00

STEPS

1. **Prepare (integrated assembly, back!) - The water pump bolt torque itself is UNVERIFIED -** use service data, don't guess. You'll need: new integrated pump assembly, Dex-Cool coolant, basic sockets, torque wrench, drain pan. Note: this guide is the 1.5T LFV - the 2.0T and 2.5L...
2. **Drain, Access the Back - Drain the Dex-Cool. The 1.5T's integrated assembly is unique -** the pump, oil cooler, and thermostat outlet are one unit. Note the oil cooler lines - they'll need disconnecting. The back-side location is the hard part of this job.
3. **Remove the Integrated Assembly - Disconnect the oil cooler lines. Remove the assembly** bolts. Note: thermostat outlet bolts 89 in-lbs (verified); oil cooler 2 small at 89 in-lbs, 2 large at 18 ft-lbs (verified). The water pump bolts themselves - torque UNVERIFIED, use se...
4. **Install New Assembly (89 in-lb!) - Install the new integrated pump assembly. Torque:** thermostat outlet 89 in-lbs (verified); oil cooler small 89 in-lbs, large 18 ft-lbs (verified). The 89 in-lb is light - use an inch-pound torque wrench. Don't over-tighten the aluminum.
5. **Refill Dex-Cool, Bleed - Refill with Dex-Cool (GM spec). Fill the surge tank. Bleed: run** to operating temp with heat on max, let the thermostat open, cool, recheck.
6. **Verify All Three Seals, Recheck - Start the engine - check for leaks at the pump, oil** cooler lines, and thermostat outlet. The gauge should climb to normal. Verify the oil cooler lines are secure (no oil/coolant mixing). The INTEGRATED back-of-engine assembly (pump+coole...

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