2013-2015 Chevrolet Malibu - Water Pump Replacement

2013-2015 Chevrolet Malibu | Advanced | 2-3 hours | $150 DIY

TOOLS

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

PARTS

Water Pump Assembly 12650240 $150.00
Water Pump Gasket

STEPS

1. **Prepare (2.5L LCV, aluminum housing!) - 2.5L (LCV): serpentine-belt-driven pump, aluminum** housing, gasket included. OE 12650240 / 12663909 / 12653567 (A-Premium APWP0210 fits the 2.5L only). Pump-bolt torque is UNVERIFIED - do NOT use the 2.0T's 18 ft-lbs; check service data....
2. **Drain, Remove Serpentine Belt - Let the engine cool and drain the Dex-Cool. Remove the** serpentine belt (photograph routing first). The pump is serpentine-driven and accessible once the belt is off - inspect the gasket area for the leak.
3. **Remove Pump w/ Housing - Unbolt the pump and remove it with its housing. Remove the old** gasket and clean the mating surface. Check the old pump's weep hole. OE 12650240 / 12663909 / 12653567 - verify by VIN.
4. **Install New Pump (service-data torque!) - Install the new pump with housing and a NEW** gasket. Torque the bolts to spec per service data - the exact 2.5L torque is UNVERIFIED, so do not use the 2.0T's 18 ft-lbs. Use a torque wrench and ensure the gasket seats correctly.
5. **Reinstall Belt, Refill Dex-Cool - Reinstall the serpentine belt (correct routing per your** photo). Refill with Dex-Cool - not green, not Asian. Fill the surge tank. Bleed: run to operating temp with heat on max, cool, recheck. The 2.5L's system bleeds normally - no spec...
6. **Verify, Check Belt, Recheck - Start the engine and check for leaks at the pump gasket.** Verify the belt tracks properly and the gauge climbs to normal.

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