2005-2010 Pontiac G6 - Fuel Pump Replacement

2005-2010 Pontiac G6 | Advanced | 2-3 hours | $590 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Fuel Line Disconnect Tool Torque Wrench

PARTS

Fuel Pump Assembly ACDelco 217-3023 $500.00
Fuel Tank Seal Dorman 800-015 $20.00
Fuel Tank Strap Dorman 578-001 $30.00
Fuel Tank Lock Ring Dorman 800-001 $25.00
Fuel Filter ACDelco GF653 $15.00

STEPS

1. **Relieve fuel pressure and disconnect power - Work outdoors or in a well-ventilated area -** no sparks or open flame. Relieve fuel-rail pressure on the Pontiac G6 per the service manual (often by pulling the fuel-pump fuse/relay and cranking briefly). Disconnect the negative () bat...
2. **Access the fuel pump module - Most vehicles use an in-tank pump reached through an access** panel under the rear seat or trunk carpet; others require dropping the tank. Clear the access area, support the tank if lowering it, and keep a drain pan ready for spilled fuel.
3. **Disconnect lines and electrical connector - Unplug the pump/sending-unit connector.** Release the quick-connect fuel lines with the proper disconnect tools - expect some spillage. Cap open lines to keep debris out.
4. **Remove the lock ring and lift the module - Clean dirt away from the lock ring first so it** cannot fall into the tank. Use a brass punch or lock-ring tool to rotate the ring free. Lift the pump module straight up, angling carefully past the float arm. Note clock orientation.
5. **Transfer parts and install the new pump - Compare the new module/pump assembly. Transfer** the fuel-level sender, strainer/sock, spacers, or lock ring if required. Install a new tank seal/O-ring lightly lubricated with clean fuel or the specified grease - never reuse a flattened s...
6. **Seat the module, repressurize, and leak-check - Lower the module in the correct** orientation, seat the seal evenly, and tighten the lock ring fully. Reconnect fuel lines until they click and plug in the electrical connector. Reconnect the battery, prime the system, inspect for leaks, the...

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