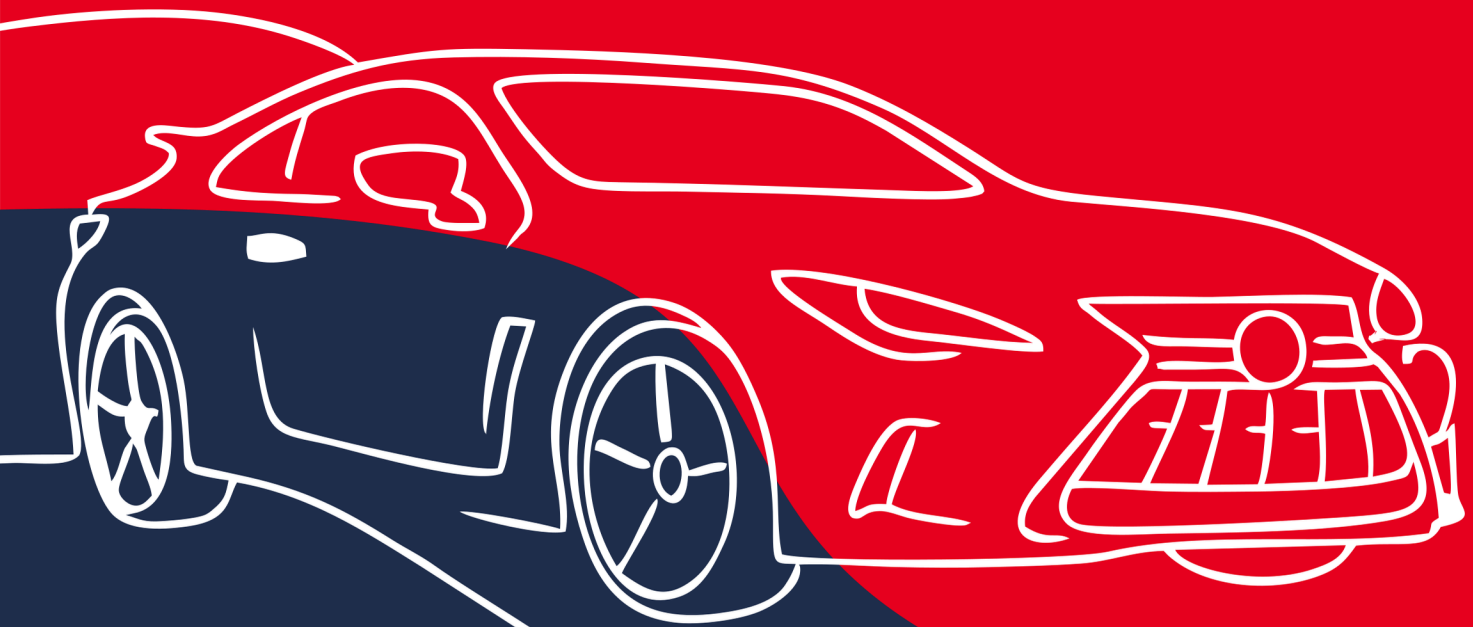


Step-by-Step Engine Swap and Service Instructions for 2016 Models (Used Pontiac Engine)

User Manual



*Please keep this manual for future
reference on driving and maintenance tips.*

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Swapping in a used Pontiac engine is a hands-on job, but it is not impossible if you stay organized. This guide is built for practical use, not perfect wording. Follow the steps, keep track of parts, and work carefully.

1. Set Up Your Workspace and Safety Gear

Start with a clear, flat workspace. Park the car on level ground and use wheel chocks. Disconnect the battery completely to prevent sparks. You will need:

- **A jack and jack stands**
- **Engine hoist or crane**
- **Socket and wrench set**
- **Torque wrench**
- **Drain pans and shop towels**
- **Masking tape and marker for labeling**

Wear gloves and safety glasses. Keep bolts in labeled containers. Staying organized now saves hours later.



2. Drain Fluids and Strip Down the Engine Bay

Drain all fluids first. Remove the oil drain plug and let the oil run out completely. Next, drain coolant from the radiator. This step prevents spills later.

Now start clearing space around the engine. Pull the hood if you need more room. Remove the radiator, fan assembly, belts, intake system, and air filter housing. Take off any plastic covers or shields that block access. Put all hardware in labeled bags.



3. Disconnect Wires, Lines, and Exhaust

A. Work slow

- ◆ Disconnect all wiring harness plugs, sensors, and ground wires. Use masking tape to mark connections.

B. Release the fuel lines carefully

- ◆ There may be pressure, so wrap connections with a rag. Cap open lines to keep dirt out. Disconnect the exhaust manifold bolts from the engine side. Leaving the exhaust in place makes removal easier.

C. Unbolt the driveshaft or CV axles if required for clearance

- ◆ At this point, the only thing holding the engine is the mounts.



4. Remove the Old Engine and Install the Used Pontiac Engine

Position your engine hoist above the motor. Hook it securely to the lifting points. Gently take up the weight but do not lift yet. Check for any missed wires, hoses, or bolts.

Once clear, unbolt the engine mounts and lift the engine straight up. Move slowly and guide it out of the bay. Place the old engine on a stand for inspection or storage.

Before installing the used Pontiac engine, inspect all gaskets, hoses, and seals. Replace anything that looks worn. Lower the replacement engine carefully, line up the mounts, and tighten them securely.

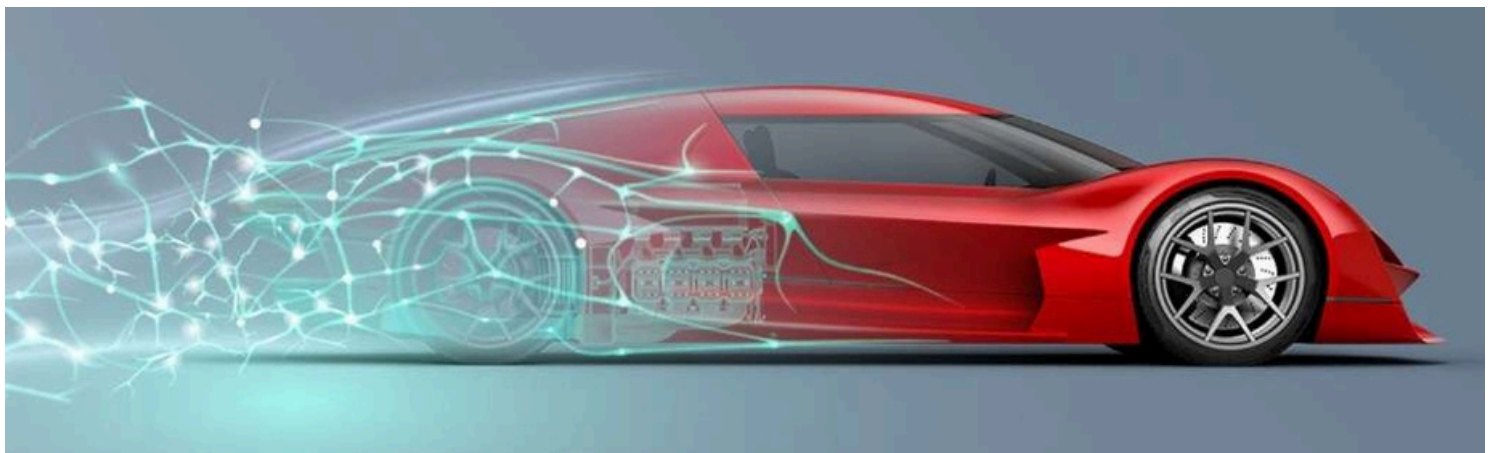


5. Reconnect, Refill, and Test

Work backward to reassemble. Start with wiring and fuel lines. Attach hoses, belts, intake system, and the radiator. Reinstall shields and covers. Tighten all bolts to factory torque specs if you have them.

Fill the engine with fresh oil and coolant. Check for leaks as you work. Reconnect the battery. Turn the key to “on” without starting to prime the fuel system.

Now start the engine. Let it idle until it reaches normal temperature. Listen closely for knocks, rattles, or leaks. Shut it off and recheck fluids. Top off if needed.



6. Service Tips for a Used Engine

- Replace spark plugs, belts, and filters before running it hard.
- Check the timing belt or chain. If you do not know its history, replace it.
- Watch fluid levels daily for the first week. Used engines sometimes settle in with minor leaks.
- Retorque mount bolts after a few days of driving.



Wrap-Up

A used Pontiac engine swap for a 2016 model is doable with patience and planning. Break it into simple steps: prepare, drain, disconnect, remove, install, and reassemble. The key is not rushing. Label parts, take photos, and double-check every connection. Do it right, and your car will run strong without constant shop visits.





Thank You

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