

ENGINE SWAP OF 2016 TOYOTA COROLLA FOR DAILY USE



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The 2016 Toyota Corolla is a reliable car. But even strongest of machines can only work for so long. We received a Corolla with a mileage of more than 100,000 miles. Oil consumption was increased. Performance was dropping steadily. Sometimes, engine knocking, overheating, or compression loss is the final trigger.

When rebuilding costs more than a straight engine swap, most people go for a used engine. If the car body, transmission, and frame are good, a used motor gets it back on the road without heavy expense. And with minimum time as well.

CHOOSING THE RIGHT REPLACEMENT ENGINE

1. The 2016 Corolla mostly comes with the 1.8L 2ZR-FE or 2ZR-FAE engine. Check the engine code on the VIN plate or original engine.
2. Stick to the exact match. If your car has a 2ZR-FAE, don't get a 2ZR-FE. Engine mounts, wiring, and ECU will not match cleanly otherwise.

Also, check the following:

- Engine must come from a similar trim and transmission type
- Mileage should be under 50,000 miles if possible
- No leaks, no cracks, no broken sensors
- Make sure it's not from a car which experienced a flood or heavy crash

Buy only from reliable suppliers or verified used parts dealers.

TOOLS AND PARTS NEEDED

You'll need:

- Basic hand tools (sockets, extensions, pliers, wrenches)
- Floor jack and jack stands
- Engine hoist
- Torque wrench
- New engine oil and filter
- New coolant
- Gaskets (intake, exhaust, maybe valve cover)
- Hose clamps
- Basic scan tool (OBD2)

Optional but helpful:

- Service manual or diagram printouts
- Labeling tape for wires
- Flashlight and inspection mirror

ENGINE REMOVAL PROCESS

Here's what you need to do to remove the engine safely:

Step 1: Disconnect battery

Always start here. It keeps the electrical components safe.

Step 2: Drain fluids

Drain coolant and engine oil fully. Use proper containers.

Step 3: Remove components

Take out air filter box, battery, wiring harness, radiator hoses, and all related connections.

Step 4: Disconnect transmission from engine

Leave the transmission in place. Just remove engine-to-trans bolts and torque converter bolts.

ENGINE REMOVAL PROCESS

Step 5: Remove engine mounts

Loosen and remove engine mount bolts.

Step 6: Use hoist and lift engine out

Double check for missed wires or hoses. Lift straight up and out.



PREPARING THE USED ENGINE

Before you install the new engine, check it thoroughly:

- Change spark plugs
- Change engine oil and filter
- Replace any old gaskets
- Clean off the block and mating surfaces
- Transfer sensors from the old engine if needed
- Check wiring connectors for match
- Inspect crank seal and cam cover for leaks

This step helps avoid future issues once installed.



INSTALLATION PROCESS

Now, set the new engine into the bay:

- Lower slowly with hoist
- Align engine with mounts and transmission
- Insert bolts and torque to spec
- Reconnect wiring harness
- Reinstall intake, radiator, hoses, and grounds
- Add new coolant and oil
- Check hose clamps and fittings

Take your time. Missing a wire or bolt now will waste more time later.

FIRST START AND INSPECTION

Once the engine is in:

- Reconnect battery
- Turn key to ON without starting. Let fuel pump prime.
- Start the engine
- Let it idle for a bit & listen for any unusual noise

TEST DRIVE AND FOLLOW-UP

After it idles well:

- Take a short 10–15 minute drive
- Keep speed low and steady
- Watch for misfires, hesitation, overheating
- Feel for vibration or delay in throttle response
- After the drive, recheck oil and coolant levels

Then drive it normally for a few days. Keep an eye on it.

MAINTENANCE AFTER THE SWAP

- Change the oil again after 350–500 miles
- Watch for slow coolant loss (could mean a loose clamp or air bubble)
- Listen to the engine every morning when cold

- Follow Toyota's regular service schedule
- Use only good oil, 5W-30 or 0W-20 as required

Treat the used engine right and it will last several years more.

TOTAL TIME AND COST

Here's a basic estimate for a self-done swap:

- Used engine: \$600–\$900 (low mileage, tested unit)
- Gaskets, oil, coolant: \$80–\$120
- Tool rental (if needed): \$40–\$80
- Total: Around \$800–\$1,100 if no extra parts are damaged

Depending upon the location of the shop, another \$500 - \$1,000 would be added in the cost.

WHY USED PARTS MAKE SENSE

At carpartsstoreusa.com, every engine is tested before shipping. You get real pictures, verified condition, and short-term warranty on request. We've helped thousands of owners restore their vehicles without spending dealership-level money. You need reliable transport, not a new car.

New engines cost \$3,000 or more, For a Corolla worth \$5,000, that's not worth it. A used engine, with good inspection and warranty, makes more sense. If you use a trusted source, you can drive daily without worry.



Thank You

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