

2018-2024 Toyota Camry | Advanced | 2 hours | \$150 DIY

TOOLS

Socket set Wrench set Serpentine belt tool Multimeter Jack and stands (if needed)

PARTS

Alternator (amperage match) \$140.00

STEPS

- 1 Disconnect the battery - Disconnect the negative battery terminal first. Never work on the alternator with the battery connected - the main power stud is always hot.**
- 2 Locate and access the alternator - Find the alternator (usually front-top of the engine).** Some vehicles require removing a wheel, inner fender liner, or intake for access - plan your path.
- 3 Remove the serpentine belt - Release the tensioner and slip the belt off the alternator pulley.** Note the routing before removal so you can reinstall correctly.
- 4 Disconnect the wires - Remove the main power stud nut and the voltage regulator plug.** Label the wires if needed so you reconnect them correctly.
- 5 Remove and replace the alternator - Remove the mounting bolts, pull out the old alternator, install the new one, and torque the mounting bolts to spec.** Reconnect the wires and belt.
- 6 Reconnect and test - Reconnect the battery, start the engine, and verify charging voltage (13.5-14.5V) at the battery with a multimeter.** If voltage is low, recheck connections.

TORQUE

Alternator mounting bolts 45 Nm 33 ft-lbs
Main power stud nut 10 Nm 89 ft-lbs