2013-2019 Cadillac ATS - Replace Starter Motor

2013-2019 Cadillac ATS | Advanced | 2-3 hours | $200 DIY

TOOLS

10mm Socket Flathead Screwdriver Jack Stands Torque Wrench Extension Bar Ratchet Wrench Socket Set Pry Bar Gloves Safety Glasses

PARTS

Starter Motor ACDelco 336-1023 $200.00

STEPS

1. **Disconnect the battery and raise the vehicle if needed - Always disconnect the negative** battery cable first. On the Cadillac ATS, the starter is typically on the bellhousing - access may be from above or below. If you must raise the vehicle, use a floor jack on a solid lift point and support w...
2. **Locate the starter and disconnect wiring - Identify the B+ battery cable and the solenoid** trigger wire/connector on the starter. Remove the nut and cable, then unplug the trigger connector. Cap or tape the battery cable end so it cannot short to ground.
3. **Support the starter and remove mounting bolts - Support the starter body, then remove the** mounting bolts (often 13-15 mm). Lower or lift the starter out clear of the bellhousing. Note any heat shield, bracket, or alignment dowel that must transfer to the new unit.
4. **Compare the new starter - Compare nose length, clocking of the solenoid, mounting ears,** and pinion gear to the old starter. Transfer any brackets or heat shields. Confirm the drive gear turns freely by hand.
5. **Install the new starter and reconnect cables - Maneuver the new starter into place, start** the mounting bolts by hand, then tighten evenly to spec. Reconnect the solenoid trigger connector and the B+ cable; tighten the cable nut firmly without stretching the terminal.
6. **Reconnect the battery and test cranking - Reconnect the negative battery cable. Verify** the Cadillac ATS cranks strongly without grinding or slow-spin symptoms. Confirm no chafed wiring and that any underbody shields are reinstalled before a final road check.

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