

2006-2011 Honda Civic | Moderate | 2-3 hours | \$142 DIY

TOOLS

10mm wrench 10mm socket 12mm socket
14mm socket Ratchet Socket extensions
Universal joint / swivel Torque wrench
Pick Pry bar Floor jack Jack stands
Wheel chocks Gloves Safety glasses

PARTS

Starter Motor Assembly (1.8L engine,
automatic transmission) 31200-RNA-A51
\$141.95

STEPS

- 1 Disconnect the battery - Set the parking brake and make sure the ignition is fully off.**
Loosen the negative cable nut with a 10mm wrench and slide the cable off, tucking it aside - not skippable; the thick starter cable is always hot.
- 2 Open up access from the top - The starter sits below the intake manifold, bolted to the top of the transmission.** Unbolt the air filter box, loosen the intake hose clamp, lift the whole air intake assembly out. That opens the workspace above the starter.
- 3 Raise the car and remove the undercover - Jack up the front of the car and set it** securely on jack stands. Remove the plastic engine undercover so you can see and reach the starter from below. Wheel chocks on the rear wheels keep the car from rolling.
- 4 Unplug the solenoid signal wire - Find the wire plugged into the starter solenoid; its** S-terminal connector unclips by hand. Press the release tab and pull it straight off. If it is stiff with age, use a pick gently rather than yanking the wire.
- 5 Remove the main power cable - Remove the 12mm nut holding the thick main battery cable** onto the starter's power stud. Slide the cable off and bend it aside, keeping the metal end well away from any ground or terminal while you work.
- 6 Remove the two mounting bolts - The starter is held by two 14mm bolts into the** transmission bellhousing. Break them loose with a 14mm socket and extensions, supporting the starter as the second bolt comes out. Lower the starter out.
- 7 Fit the new starter and torque everything - Hand-start both 14mm bolts so the threads** don't cross in the aluminum case, then torque to 45 Nm (33 lb-ft). Reattach the main power cable and snug its nut to 9.0 Nm (6.6 lb-ft), then click the S-terminal connector on.
- 8 Reinstall, reconnect, and test - Reinstall the air filter box, intake hose, and engine** undercover. Lower the car off the jack stands, reconnect the negative cable, start the engine. Cranking should be strong and steady, with no grinding and no warning lights on the dash.

TORQUE