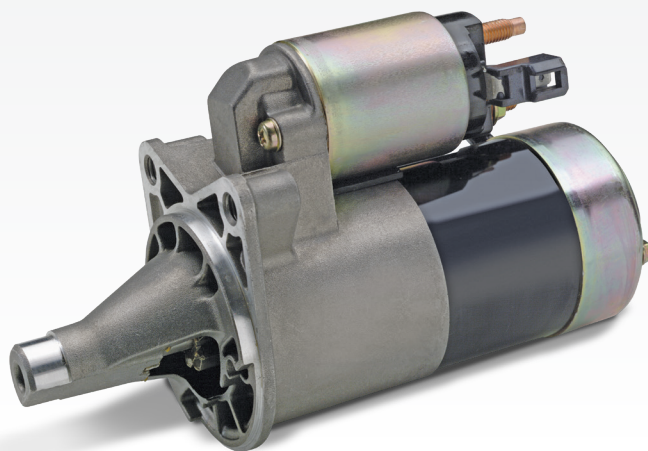




DIAGNOSIS AND REPLACEMENT PROCEDURES FOR ENGINE STARTERS



After a long service life (beyond 100,000 miles), the engine starter may require replacement on most vehicles. Check the starter solenoid to diagnose a starter issue.

The 2010 Chrysler PT Cruiser and 2011 Jeep® Grand Cherokee require different procedures when replacing the starter.

Keep your reputation running for the long haul. Make sure to install Authentic Mopar® Replacement Parts for all your repairs.

FOR THE 2010 PT CRUISER*

- Remove air cleaner box
- Remove the engine structural collar

*Car must be placed on hoist.

FOR THE 2011 GRAND CHEROKEE

This vehicle is equipped with one of three different engines: the 3.0 diesel, 3.6 V6 and a 5.7 HEMI® V8.

1. ON THE 3.0 DIESEL:

- Remove front suspension skid plate
- Remove transmission skid plate and transfer case skid plate
- Remove left engine mount
- Remove mounting bolts

2. ON THE 3.6 V6:

- Remove left engine mount insulator and engine mount bracket
- Disconnect the solenoid connector wire harness
- Remove the battery cable from the solenoid stud
- Remove the mounting bolts

3. ON THE 5.7 HEMI V8:

- Remove left front catalytic converter* to access the starter motor
- Remove transmission crossmember reinforcement brackets
- Remove lower heat shield
- Remove front driveshaft and the oxygen sensors
- Disconnect the solenoid connector wire harness
- Remove battery cable from the solenoid stud
- Remove mounting bolts

*Removing the catalytic converter requires removal of the skid plates.

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