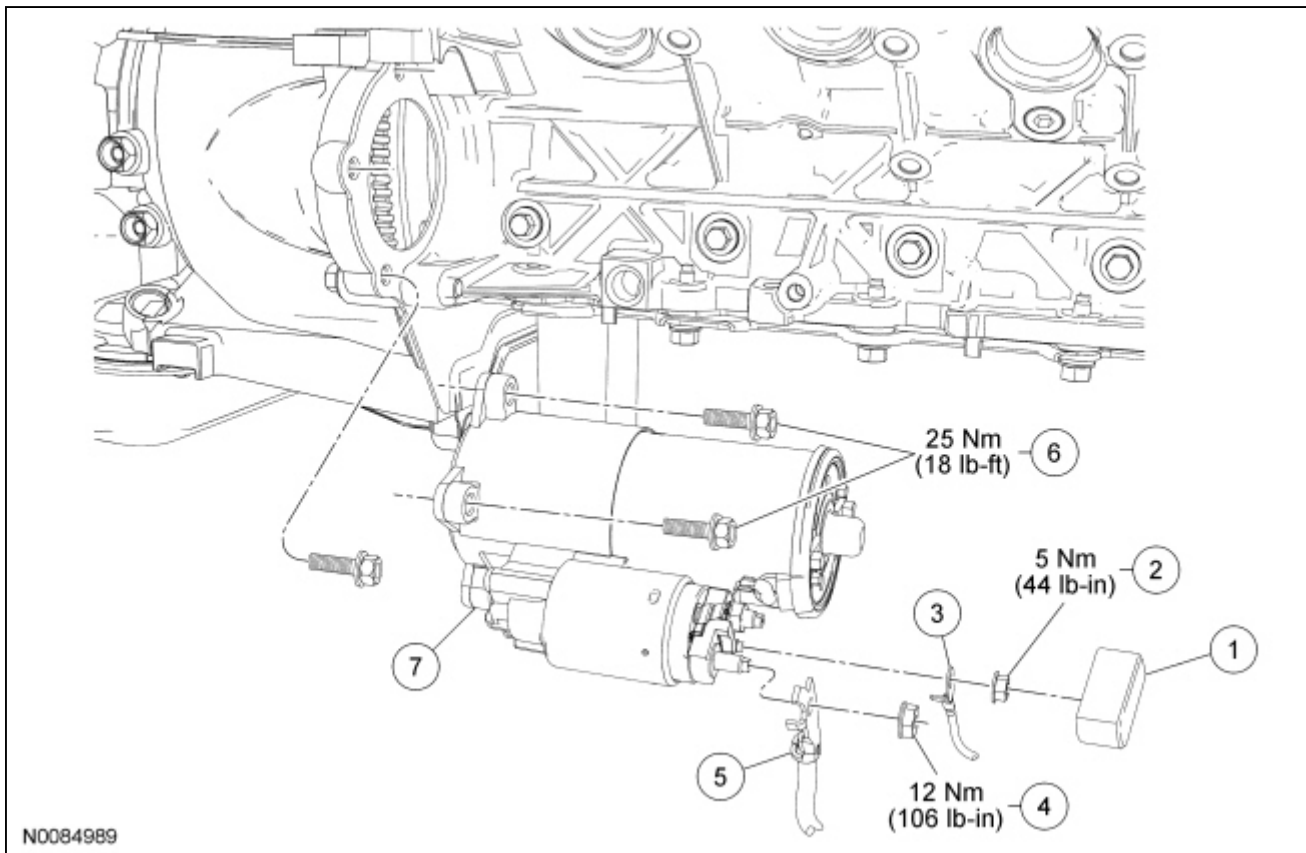


## Starter Motor — 4.6L (3V)



| Item | Part Number | Description                               |
|------|-------------|---|
| 1    | 11N087      | Starter solenoid terminal cover           |
| 2    | W705790     | Starter solenoid S-terminal nut           |
| 3    | 14463       | Starter solenoid S-terminal eyelet        |
| 4    | N805403     | Starter solenoid B+ terminal nut          |
| 5    | 14463       | Starter solenoid B+ terminal eyelet       |
| 6    | W500310     | Starter motor mounting bolts (3 required) |
| 7    | 11000       | Starter motor                             |

### Removal



**WARNING:** Always disconnect the battery ground cable at the battery before disconnecting the starter motor battery terminal lead. If a tool is shorted at the starter motor battery terminal, the tool can quickly heat enough to cause a skin burn. Failure to follow this instruction may result in serious personal injury.

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-02](#).
2. Disconnect the battery ground cable. For additional information, refer to [Section 414-01](#).
3. Remove the starter solenoid terminal cover.
4. Remove the 2 starter solenoid terminal nuts and position aside the wires.

5. Remove the 3 bolts and the starter motor.

## Installation

1. **NOTE:** To make sure of correct starter installation, the upper bolt must be tightened first.

**NOTE:** Clean the starter motor mounting flange and mating surface of the starter motor to make sure there is a correct ground connection.

Position the starter motor and install the 3 bolts finger-tight.

- Tighten the upper bolt to 25 Nm (18 lb-ft).
  - Tighten the 2 lower bolts to 25 Nm (18 lb-ft).
2. Install the wires and the 2 starter solenoid terminal nuts.
    - Tighten the starter solenoid B+ terminal nut to 12 Nm (106 lb-in).
    - Tighten the starter solenoid S-terminal nut to 5 Nm (44 lb-in).
  3. Install the starter solenoid terminal cover.
  4. Connect the battery ground cable. For additional information, refer to [Section 414-01](#).
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