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### Starter Motor

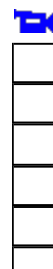
Base Part Number: 11000

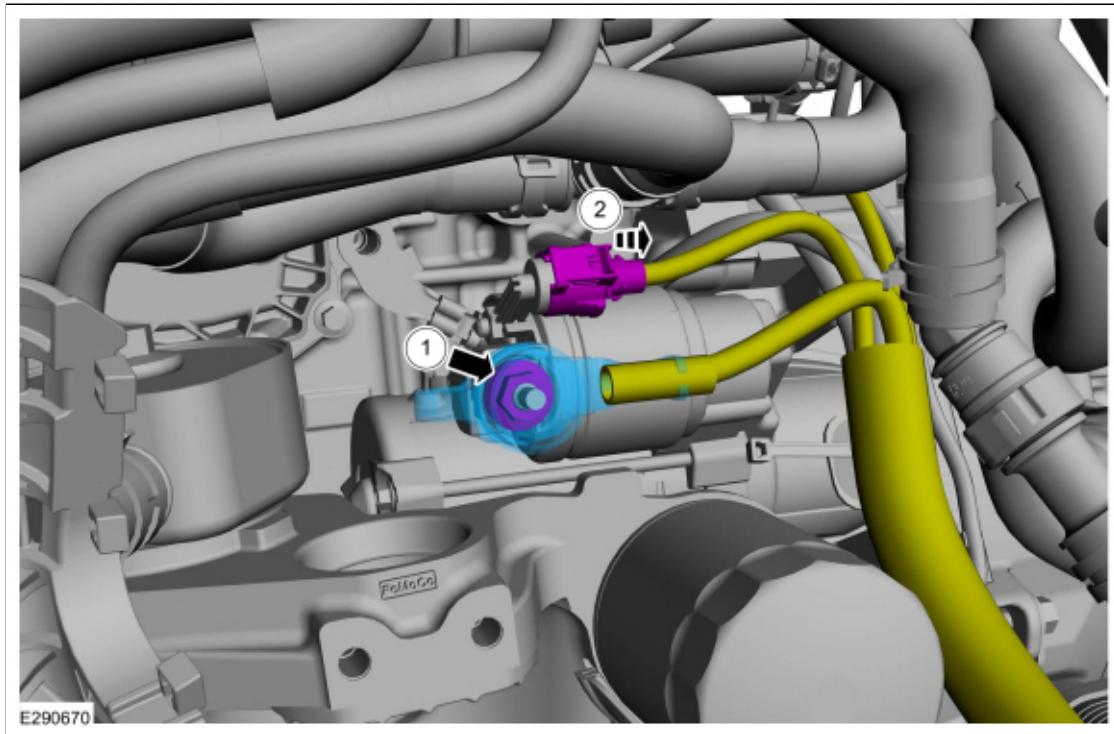
#### Removal

 **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.

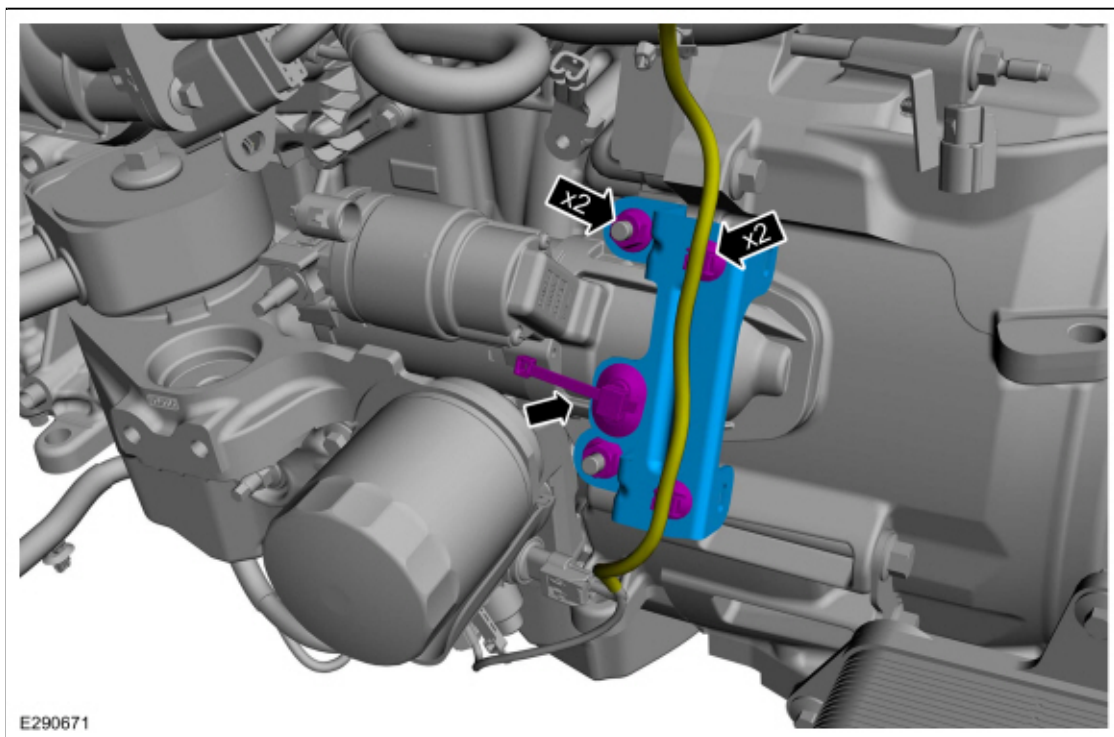
**NOTE:** Removal steps in this procedure may contain installation details.

1. Disconnect the battery.  
Refer to: [Battery Disconnect and Connect](#) (414-01 Battery, Mounting and Cables, General Procedures).
2. Remove the air cleaner outlet pipe.  
Refer to: [Air Cleaner Outlet Pipe](#) (303-12 Intake Air Distribution and Filtering - 2.3L EcoBoost (201kW/273PS), Removal and Installation).
3. Remove the air cleaner.  
Refer to: [Air Cleaner](#) (303-12 Intake Air Distribution and Filtering - 2.3L EcoBoost (201kW/273PS), Removal and Installation).
4.
  1. Remove the cover, then remove the nut.  
*Torque:* 106 lb.in (12 Nm)
  2. Disconnect the connector.

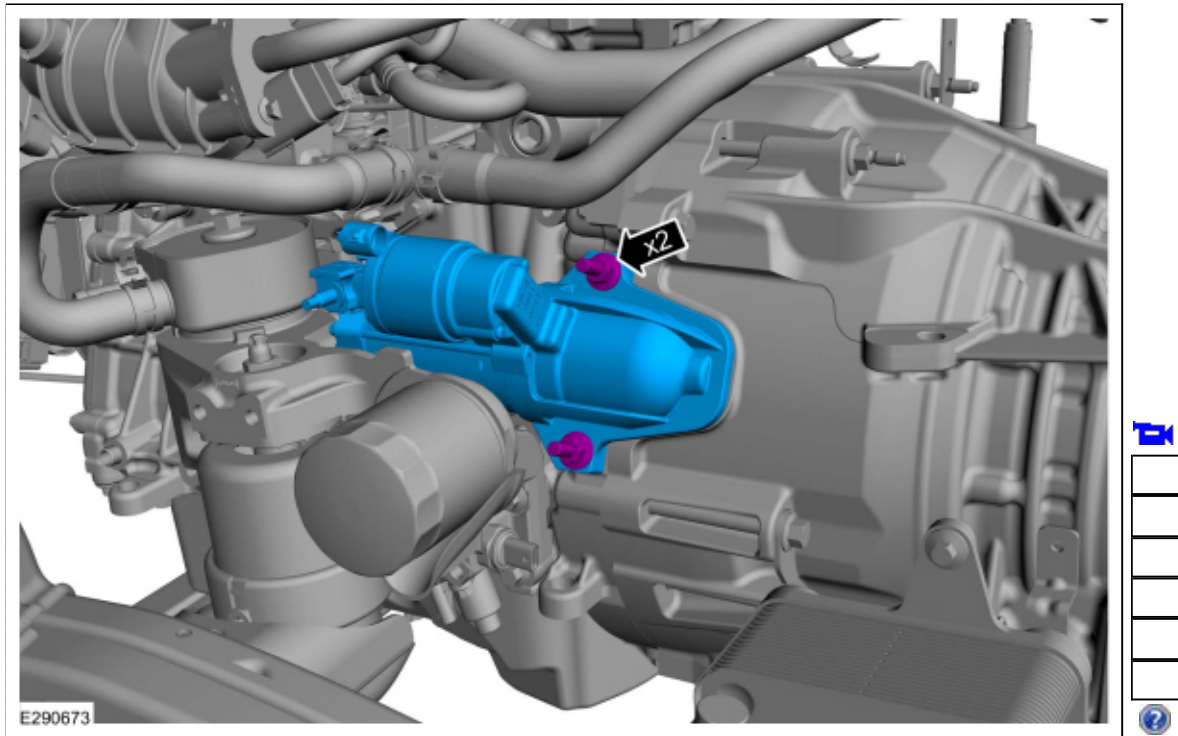




5. Remove the starter motor bracket nuts and reposition the wiring guides.  
Torque: 133 lb.in (15 Nm)



6. Remove the starter motor studbolts, then remove the starter motor.  
Torque: 35 lb.ft (47.5 Nm)



7. Inspect the starter motor drive gear and the flexplate or flywheel ring gear.  
Refer to: [Starter Motor Drive Gear and Flywheel Ring Gear Inspection](#) (303-06 Starting System - 2.3L EcoBoost (201kW/273PS), General Procedures).

### Installation

1. To install, reverse the removal procedure.

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