

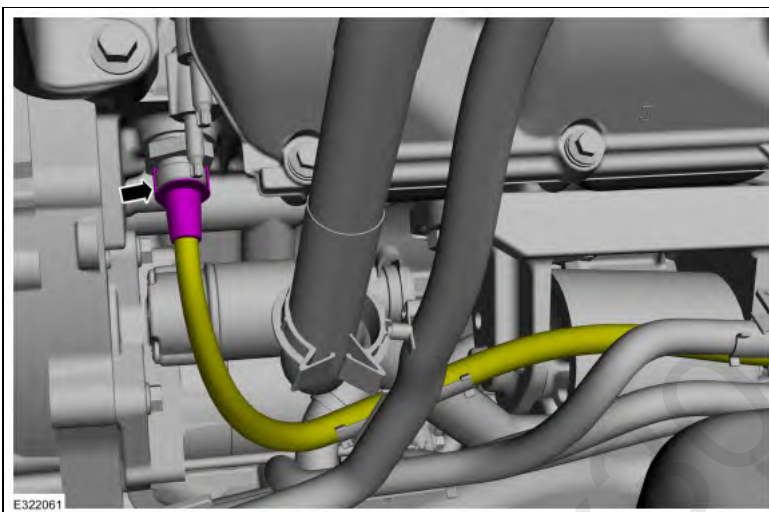
Starter Motor

Removal

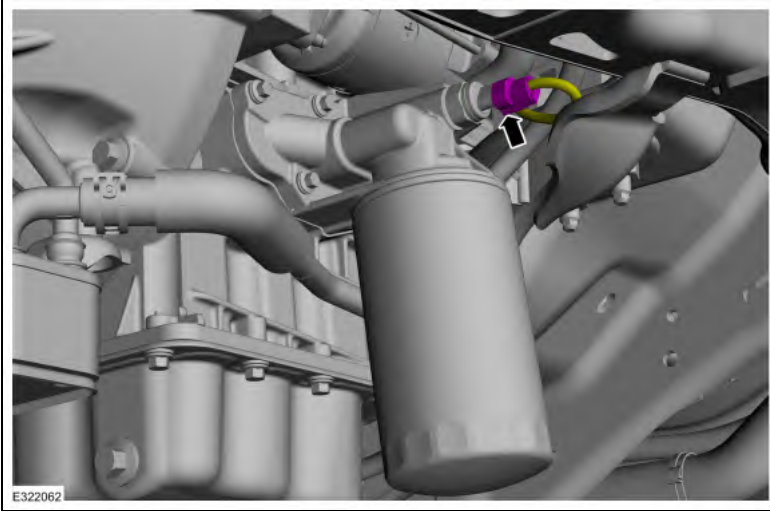
WARNING: Always disconnect the battery ground cable at the battery before disconnecting the starter motor battery terminal lead. If a tool is shorted at the starter motor battery terminal, the tool can quickly heat enough to cause a skin burn. Failure to follow this instruction may result in serious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

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

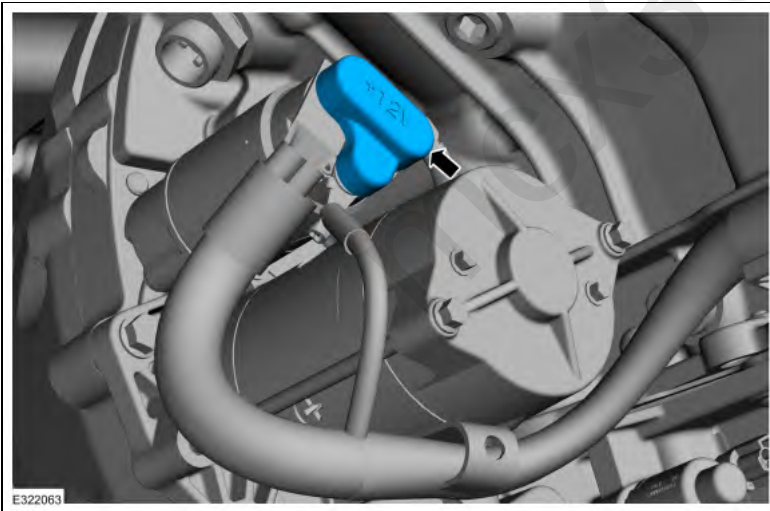
1. With the vehicle in N, position it on a hoist.
Refer to: Jacking and Lifting - Overview (100-02 Jacking and Lifting, Description and Operation).
2. Disconnect the battery.
Refer to: Battery Disconnect and Connect (414-01 Battery, Mounting and Cables, General Procedures).
3. Remove the RH fender splash shield.
Refer to: Fender Splash Shield (501-02 Front End Body Panels, Removal and Installation).
4. Disconnect the block heater electrical connector.



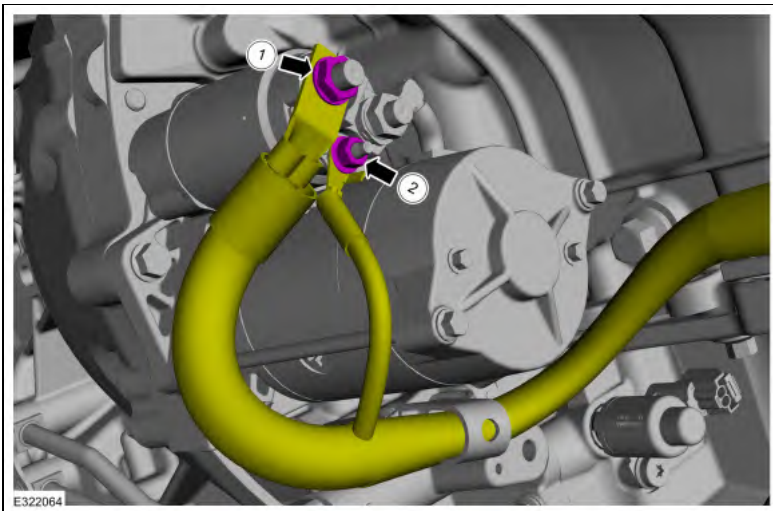
5. Disconnect the electrical connector and position the wiring harness aside.



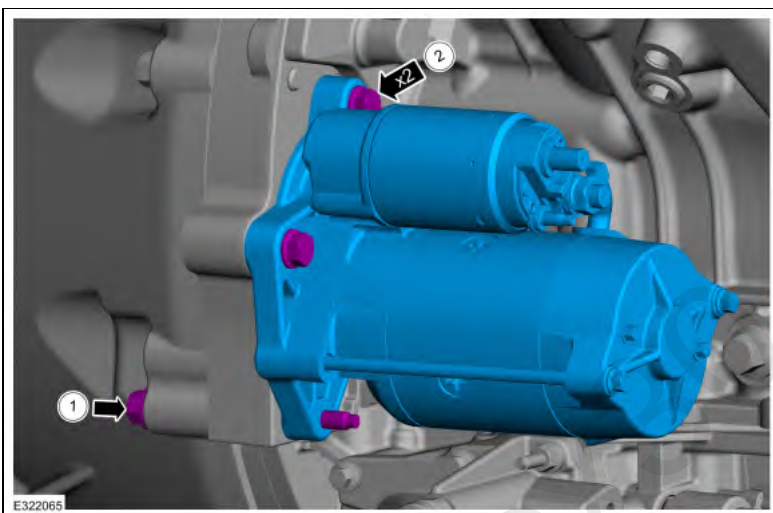
6. Remove the starter motor cable cover.



7.
 1. Remove the nut and disconnect the starter motor solenoid battery cable.
Torque: 106 lb.in (12 Nm)
 2. Remove the nut and disconnect the starter motor solenoid control wire.
Torque: 53 lb.in (6 Nm)



- 8.
1. Remove the bolt.
Torque: 18 lb.ft (25 Nm)
 2. Remove the bolts and the starter motor.
Torque: 18 lb.ft (25 Nm)



9. Inspect the starter motor drive gear and flywheel ring gear.
Refer to: Starter Motor Drive Gear and Flywheel Ring Gear Inspection (303-06B Starting System - 6.7L Power Stroke Diesel, General Procedures).

Installation

1. To install, reverse the removal procedure.