

PUBLISHED: 11-MAY-2011

2007.0 RANGE ROVER SPORT (LS), 303-06

STARTING SYSTEM - TDV6 2.7L DIESEL

# STARTER MOTOR (G511553)

## REMOVAL AND INSTALLATION

---

### REMOVAL

---

1. Disconnect the battery ground cable.  
For additional information, refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).

---

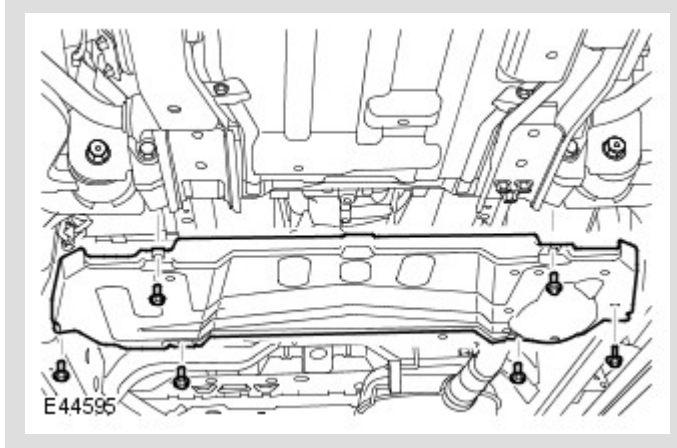
- 2.

**⚠ WARNING:**

Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

Raise and support the vehicle.

3.



Remove the transmission undershield.

Remove the 6 bolts.

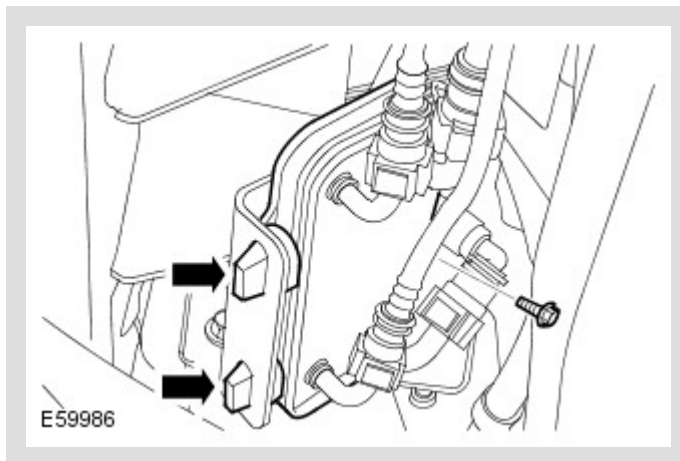
4. Remove the engine undershield.

For additional information, refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

5.

**△ NOTE:**

Note the fitted position of the rubber mounts.



Release the fuel cooler.

Remove the retaining bolt.

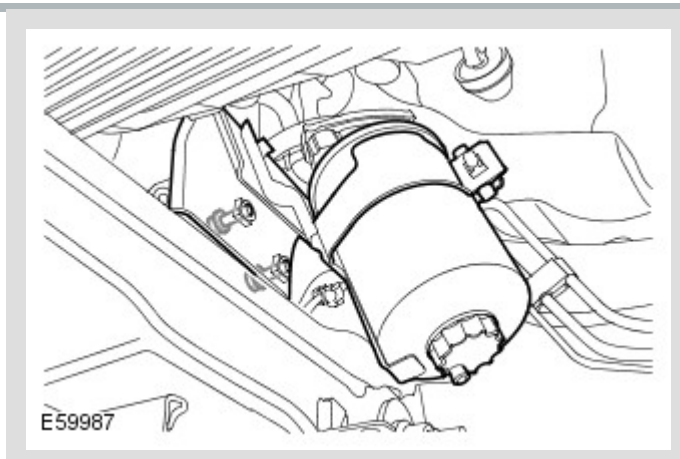
---

6. Release the fuel filter housing and support bracket.

Remove the two retaining bolts.

---

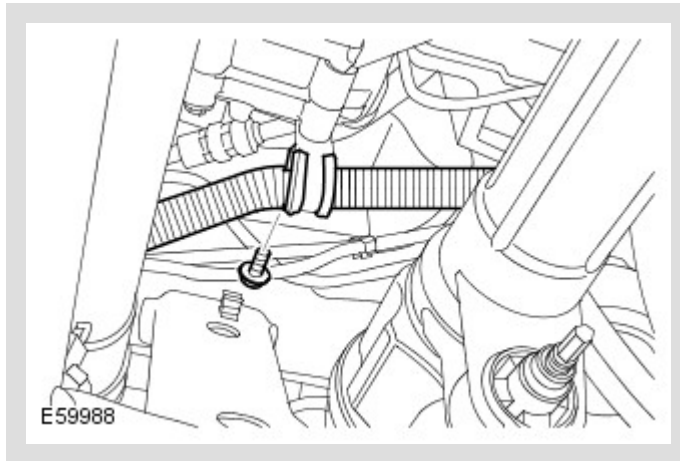
7.



Reposition the fuel cooler and the fuel filter housing and support bracket.

---

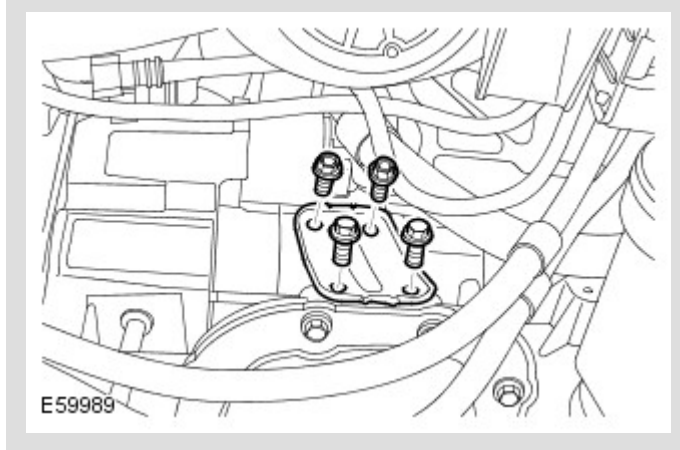
8.



Release the battery positive cable.

Remove the clip retaining bolt.

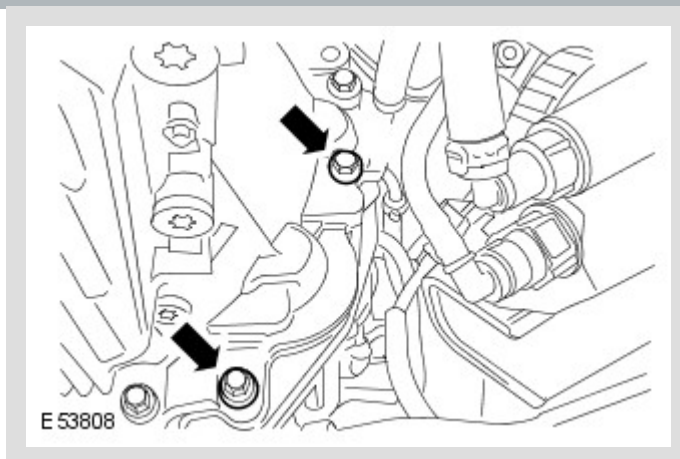
9.



Remove the starter motor support bracket.

Remove the four retaining bolts.

10.



Release the starter motor.

Remove the two retaining bolts.

11. Disconnect the battery positive cable from the starter motor solenoid.

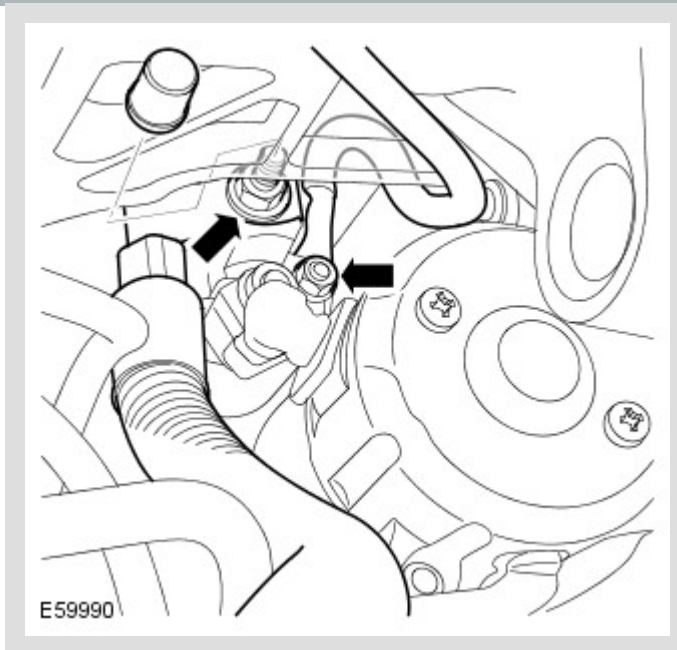
Remove the terminal nut insulator.

Remove the nut.

12. Disconnect the switch lead from the starter motor solenoid.

Remove the integral connector nut.

- 13.



Remove the starter motor.

## INSTALLATION

1. Install the starter motor.

Clean the component mating faces.

- 2.

**⚠ CAUTION:**

Damage to internal components will result if this torque is exceeded.

Connect the battery positive cable and the switch lead to the starter motor solenoid.

Tighten the integral connector nut to 8 Nm (6 lb.ft).

Tighten the battery positive lead nut to 11 Nm (8 lb.ft).

Install the terminal nut insulator.

3. Install the starter motor retaining bolts.

Tighten the bolts to 48 Nm (35 lb.ft).

4. Secure the battery positive cable.

Align the clip.

Tighten the bolt to 22 Nm (16 lb.ft).

5. Install the starter motor support bracket.

Install the 4 bolts and tighten to 10 Nm (7 lb.ft).

6. Reposition the fuel cooler and the fuel filter housing and support bracket.

7. Attach the fuel filter support bracket.

Tighten the bolts to 10 Nm (7 lb.ft).

8. **⚠ CAUTION:**

Make sure the rubber mounts are installed correctly.

Attach the fuel cooler.

Install the bolt and tighten to 10 Nm (7 lb.ft).

- 
9. Install the engine undershield.

For additional information, refer to: [Engine Undershield](#) (501-02 Front End Body Panels, Removal and Installation).

- 
10. Install the transmission undershield.

Tighten the bolts to 10 Nm (7 lb.ft).

- 
11. Connect the battery ground cable.

For additional information, refer to: [Specifications](#) (414-00 Battery and Charging System - General Information, Specifications).