

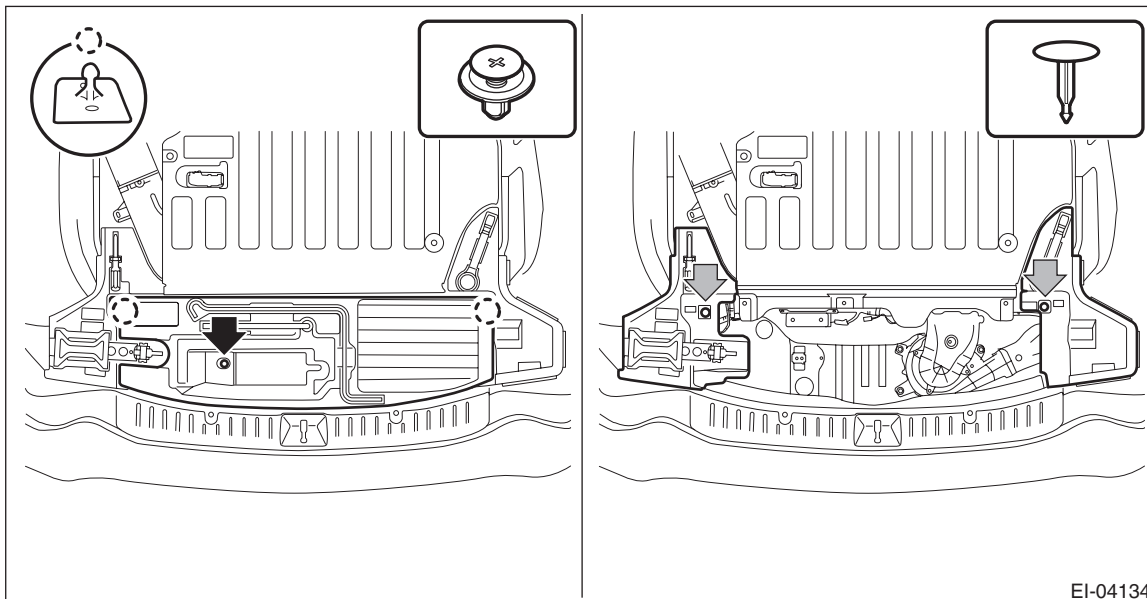
## 8. Noise Filter

### A: REMOVAL

#### WARNING:

The hybrid system includes a high voltage circuit. Mishandling could cause accidents such as electric shock or leak. Always check "CAUTION (HYBRID SYSTEM)" and perform the proper operation. <Ref. to PC-7, CAUTION (HYBRID SYSTEM), Precaution.>

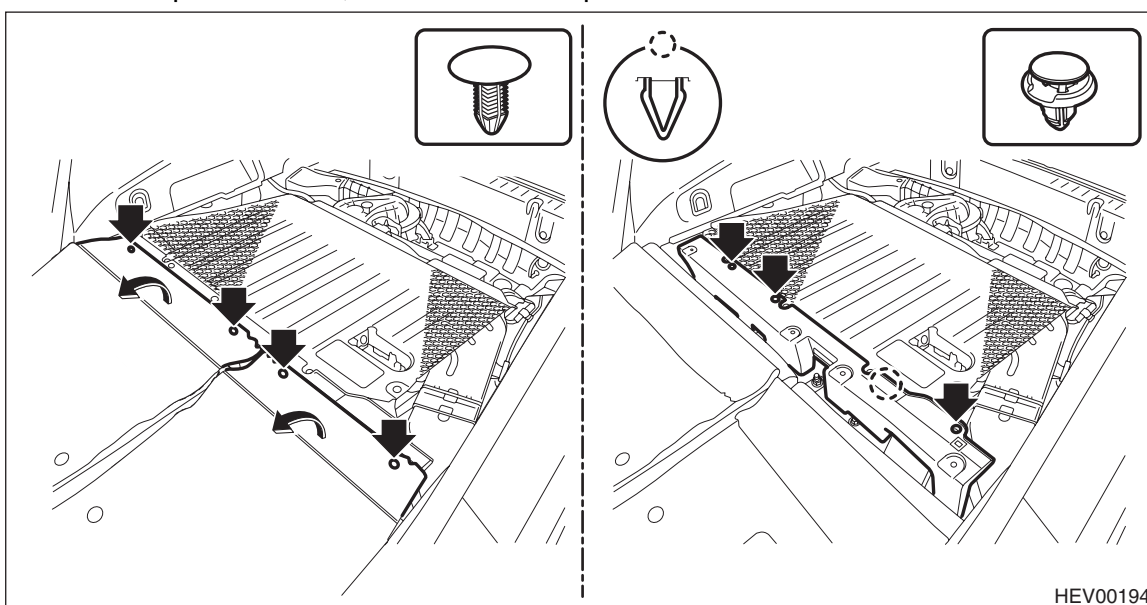
- 1) Remove the service disconnect plug. <Ref. to HEV-15, REMOVAL, Service Plug.>
- 2) Release the clips and claws, then detach the sub-trunk assembly and the spacer - rear floor side.



- 3) Remove the rear seat cushion and fold the backrest assemblies LH and RH. <Ref. to SE-23, REMOVAL, Rear Seat.>

- 4) Remove the spacer - rear floor front.

- (1) Release the clips, and fold back the bottom of the cover COMPL - rear backrest LH and RH of the rear seat back.
- (2) Release the clips and claws, then detach the spacer - rear floor front.

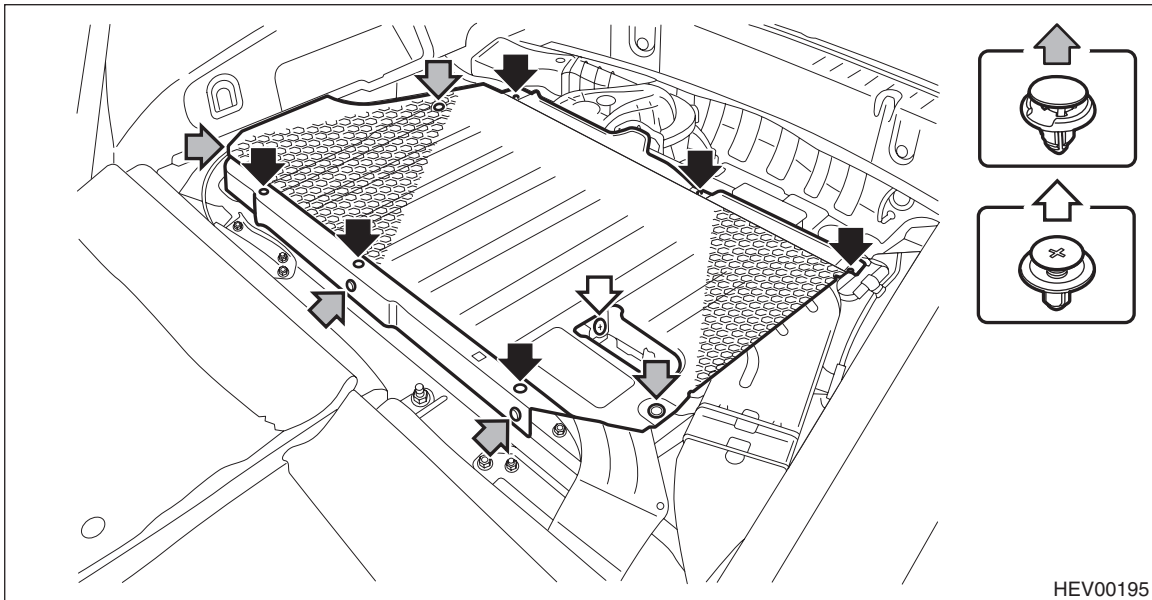


## Noise Filter

### HYBRID ELECTRIC VEHICLE

5) Remove the TORX® bolts, release the clips, and then remove the battery cover.

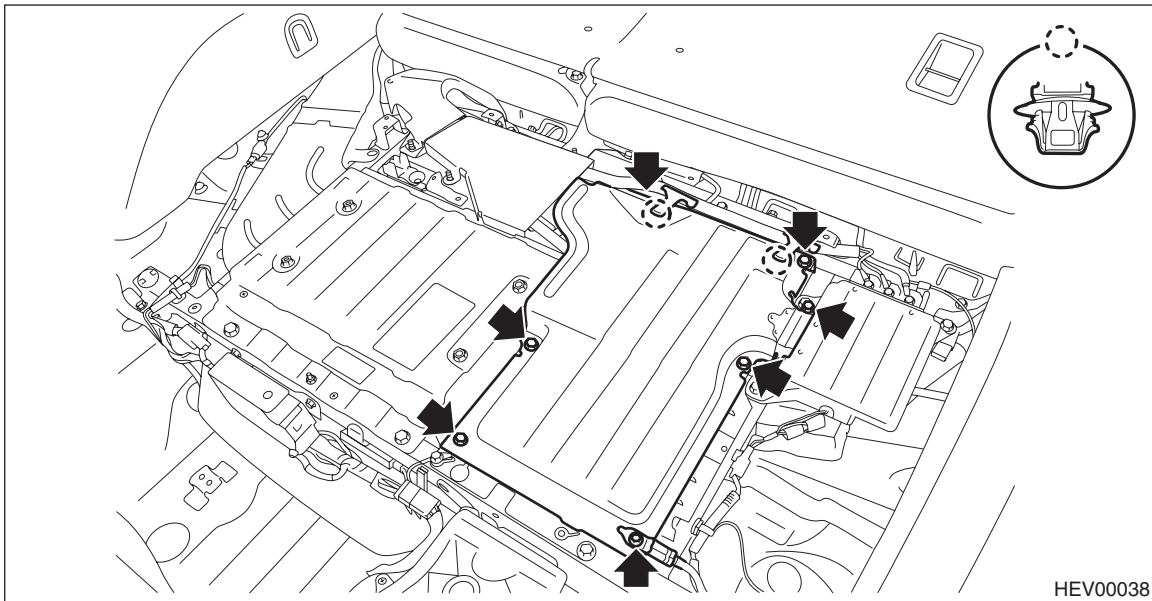
**Preparation tool:**  
**TORX® T30**



6) Remove the inverter cover.

(1) Remove the bolts and ground terminal.

(2) Release the cable clips, and remove the inverter cover.



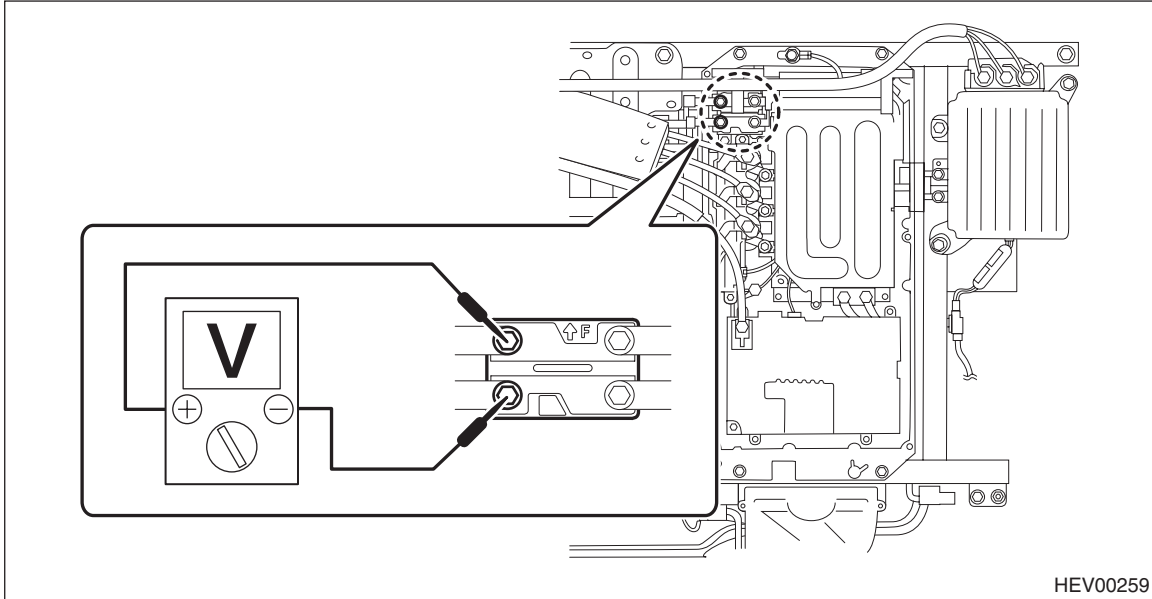
7) Perform zero-voltage test.

(1) Measure the voltage of the high voltage DC line at the high voltage battery side of the electric noise filter.

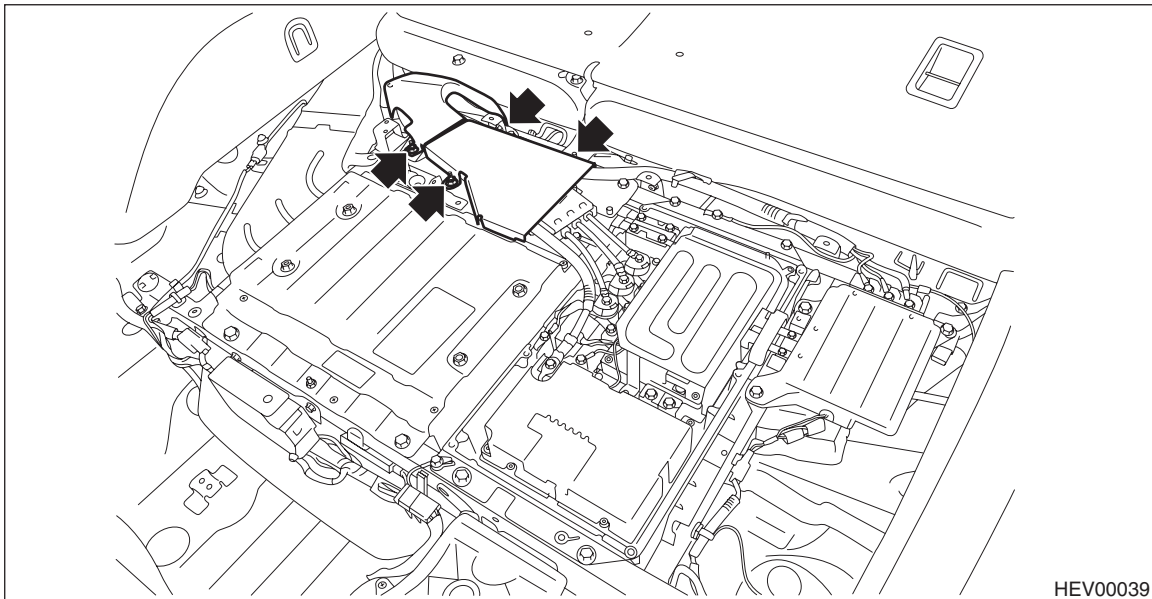
**Preparation tool:**

**Insulation multimeter**

**Standard: 0 V**



8) Remove the nut and remove the cover - shield battery and the cover - shield seat.



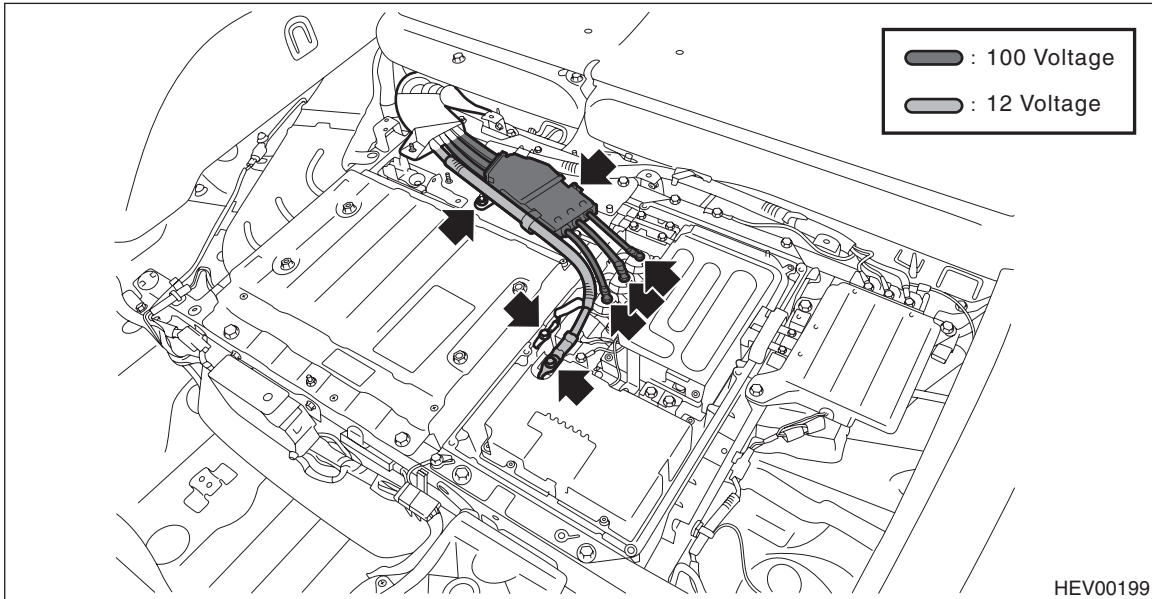
## Noise Filter

### HYBRID ELECTRIC VEHICLE

9) Remove the bolts and nuts and disconnect the ground terminal and the power cable.

#### CAUTION:

- Be careful not to use excessive force when disconnecting the power cable to avoid any damage.
- Always wrap the disconnected power cable terminals with insulating tape.



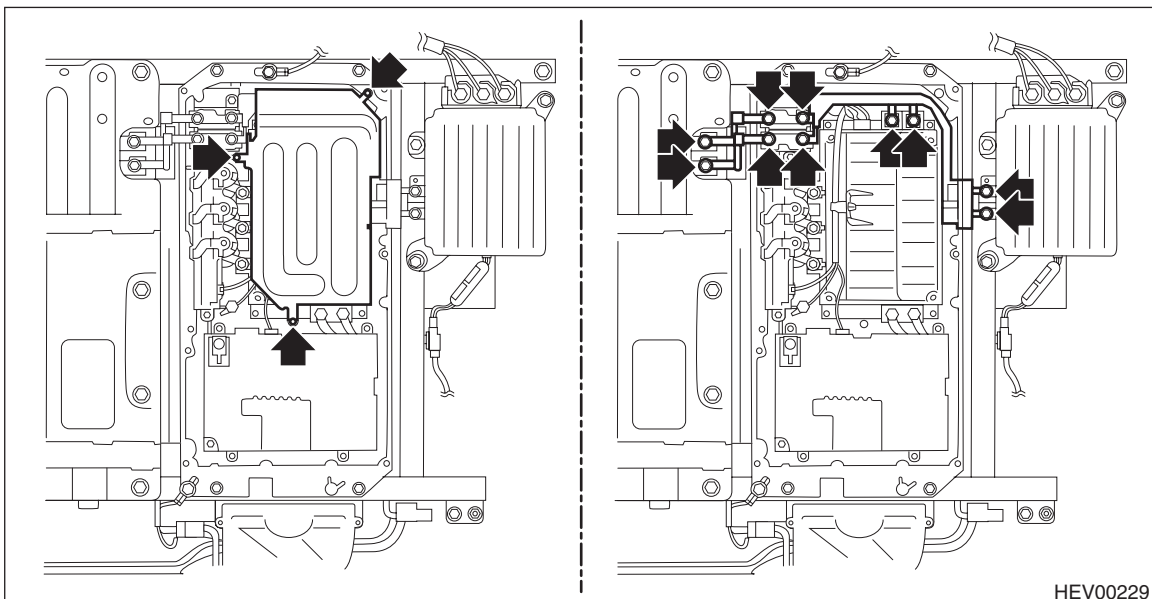
10) Remove the electric noise filter.

(1) Remove the bolts to remove the inverter shield.

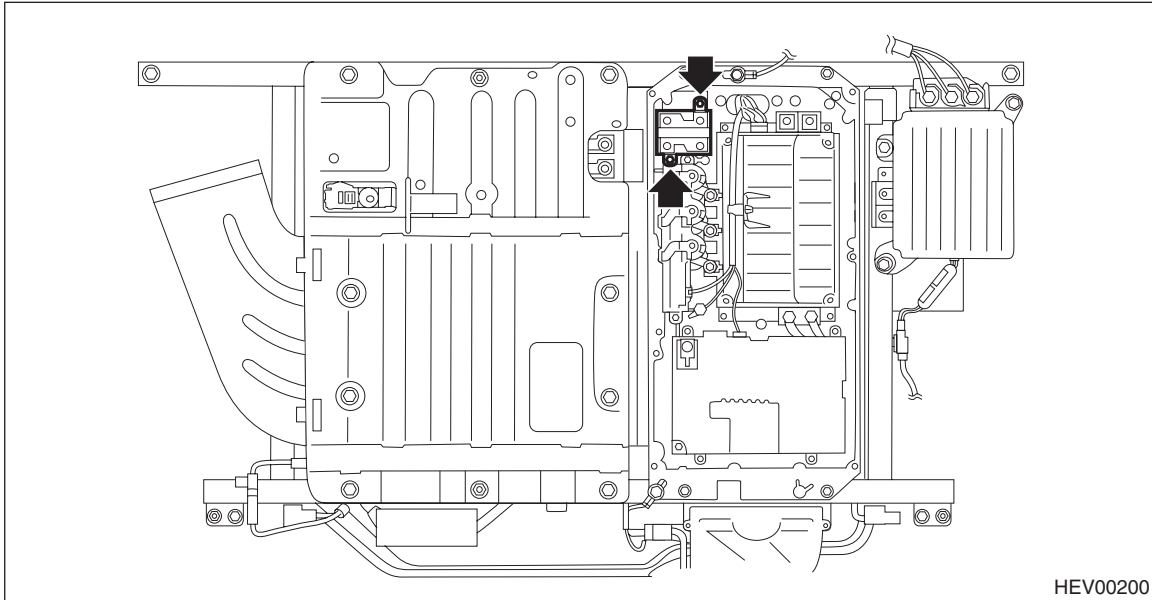
(2) Remove the bolts and disconnect the bus bars between the high voltage battery and electric noise filter and between the electric noise filter and electric oil pump inverter respectively.

#### CAUTION:

Always wrap the high voltage battery terminal with insulating tape.



- (3) Remove the bolts, and then remove the electric noise filter.



HEV00200

## B: INSTALLATION

### WARNING:

The hybrid system includes a high voltage circuit. Mishandling could cause accidents such as electric shock or leak. Always check “CAUTION (HYBRID SYSTEM)” and perform the proper operation.  
<Ref. to PC-7, CAUTION (HYBRID SYSTEM), Precaution.>

- 1) Install the electric noise filter.

### NOTE:

The “F” mark of the electric noise filter should face toward the front of the vehicle when installed.

### Tightening torque:

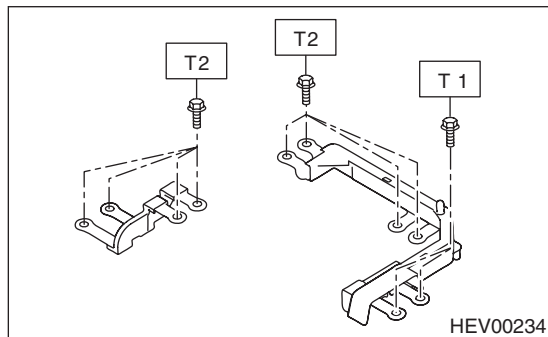
**6.5 N·m (0.7 kgf-m, 4.8 ft-lb)**

- 2) Connect the bus bar.

### Tightening torque:

**T1: 6.5 N·m (0.7 kgf-m, 4.8 ft-lb)**

**T2: 7.5 N·m (0.8 kgf-m, 5.5 ft-lb)**



HEV00234

- 3) Install the inverter shield.

### Tightening torque:

**6.5 N·m (0.7 kgf-m, 4.8 ft-lb)**

## Noise Filter

HYBRID ELECTRIC VEHICLE

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4) Connect the ground terminal and the power cable.

**CAUTION:**

- When connecting the power cable, pay attention to the letters (U, V, and W) imprinted on the drive motor inverter amperage sensor body as well as on the protector of the power cable.
- Do not apply excessive force to the terminals and watch to make sure the cable is not damaged or pinched.

***Tightening torque:***

***7.5 N·m (0.8 kgf-m, 5.5 ft-lb)***

5) Install the cover - shield battery and the cover - shield seat.

***Tightening torque:***

***7.5 N·m (0.8 kgf-m, 5.5 ft-lb)***

6) Install the ground terminal and inverter cover.

**CAUTION:**

**Check that the sound proofing material on the inverter cover is not detached or damaged.**

***Tightening torque:***

***7.5 N·m (0.8 kgf-m, 5.5 ft-lb)***

7) Install the battery cover.

***Tightening torque:***

***7.5 N·m (0.8 kgf-m, 5.5 ft-lb)***

8) Install the spacer - rear floor front.

9) Install the rear seat cushion. <Ref. to SE-27, INSTALLATION, Rear Seat.>

10) Install the sub-trunk assembly and the spacer - rear floor side.

11) Install the service disconnect plug. <Ref. to HEV-16, INSTALLATION, Service Plug.>