

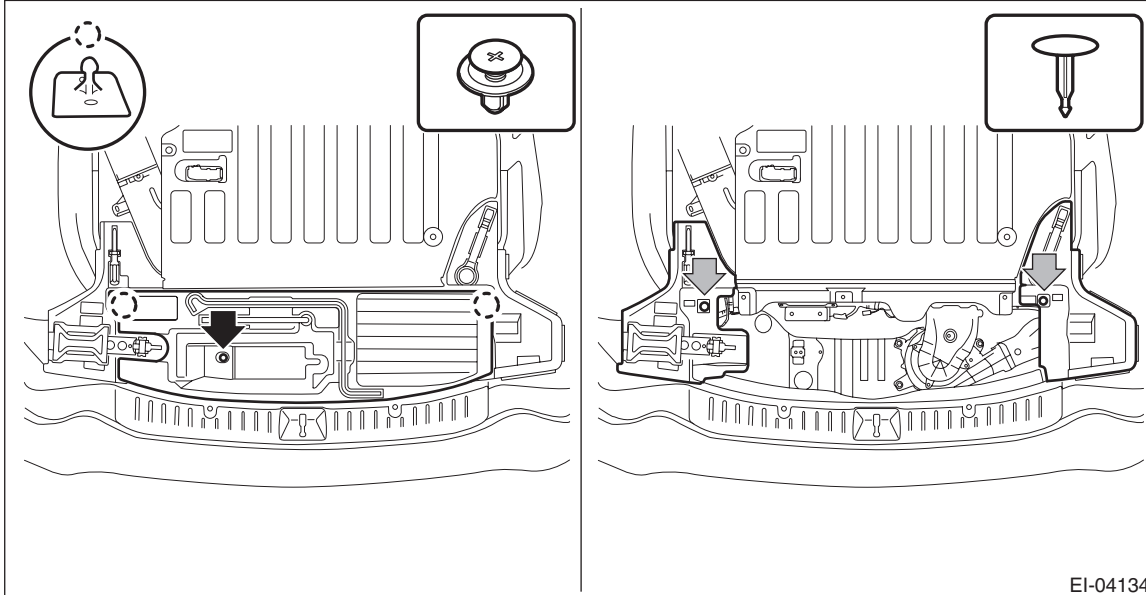
7. Drive Motor Inverter Current Sensor

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.>

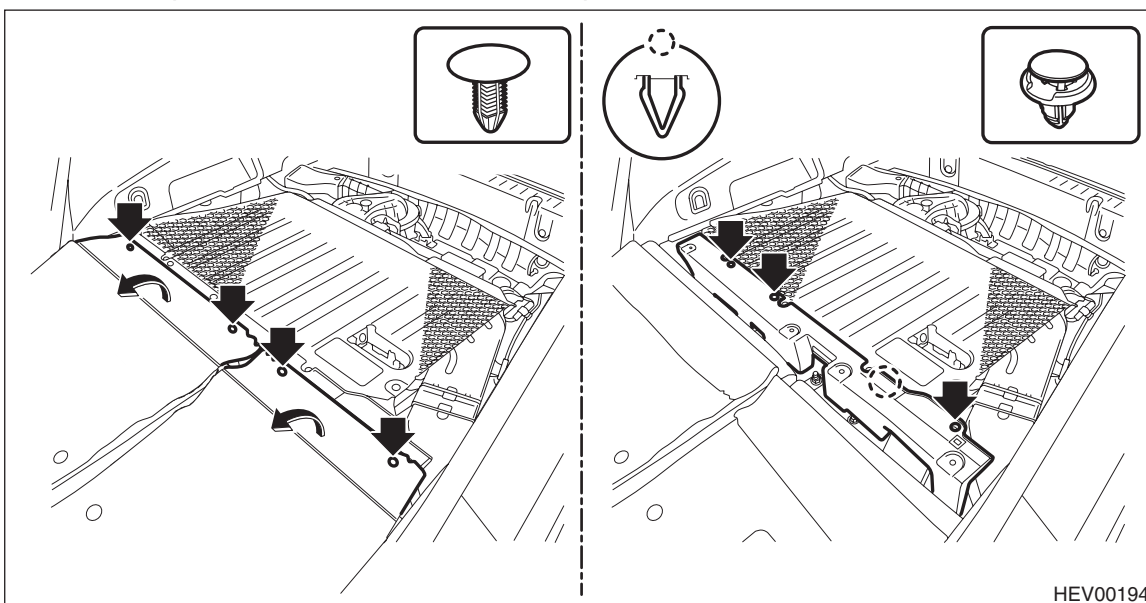
- 1) Remove the service disconnect plug. <Ref. to HEV-15, REMOVAL, Service Plug.>
- 2) Release the clips and claws, then detach the sub-trunk assembly and the spacer - rear floor side.



- 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.

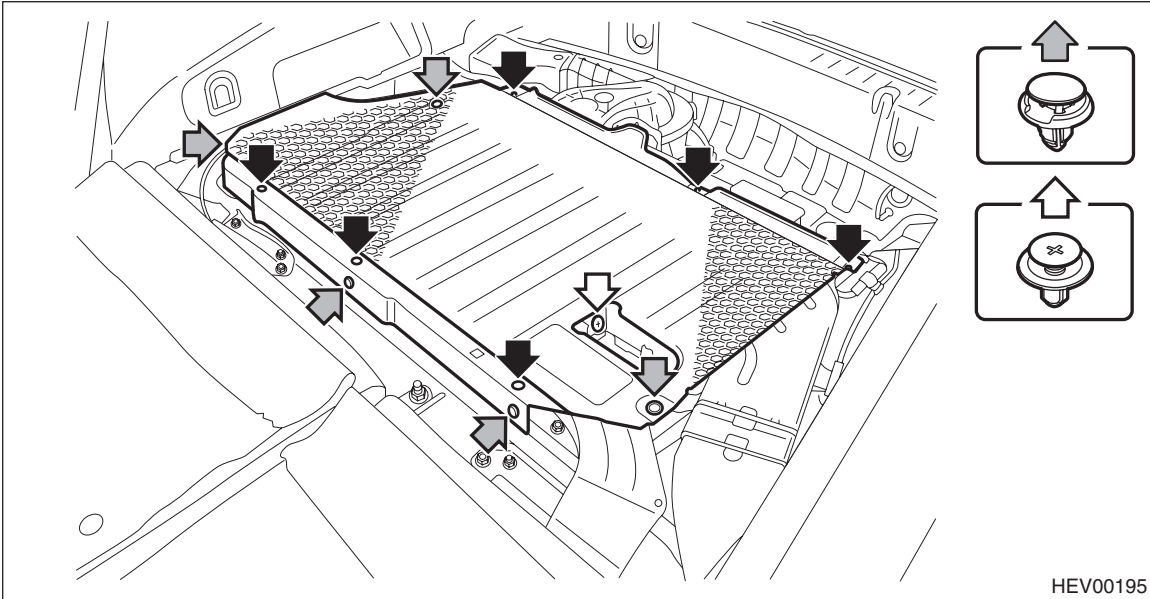


Drive Motor Inverter Current Sensor

HYBRID ELECTRIC VEHICLE

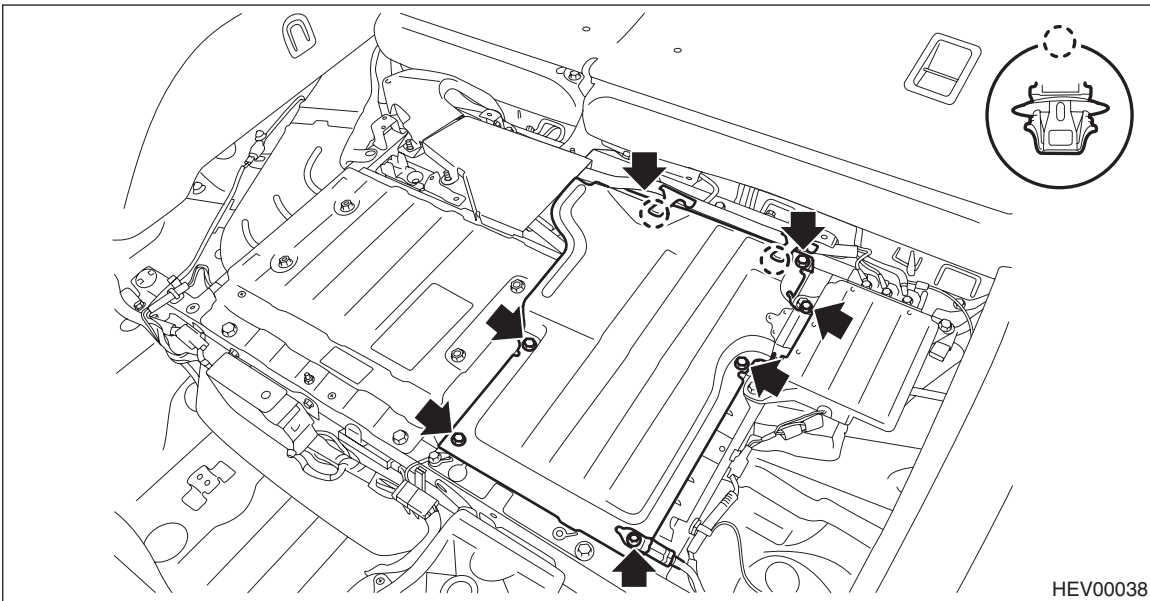
5) Remove the TORX® bolts, release the clips, and then remove the battery cover.

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.



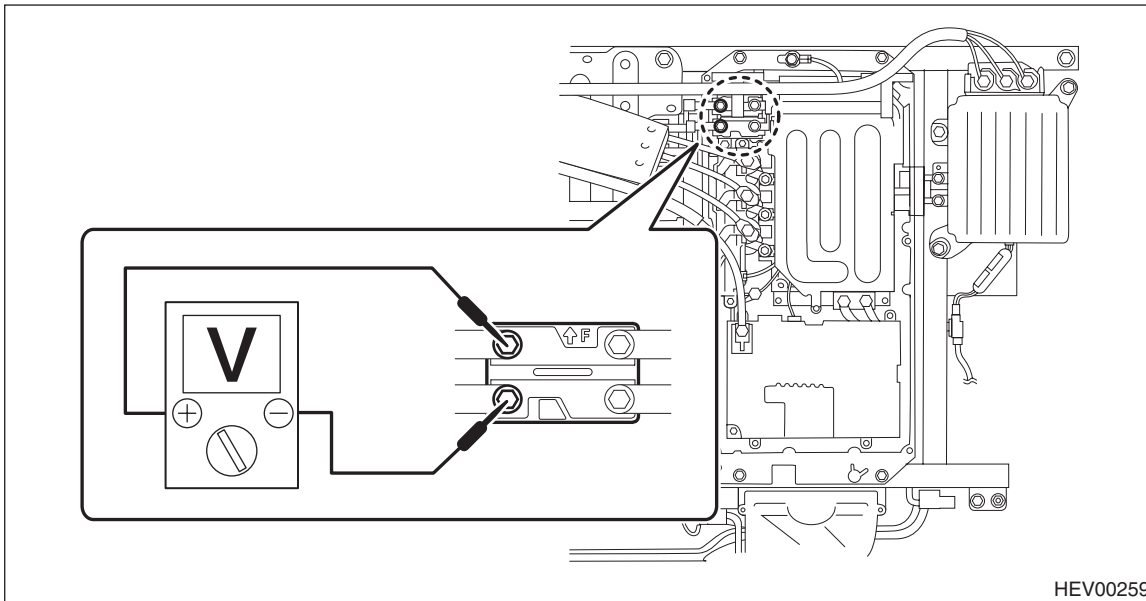
7) Perform zero-voltage test.

- (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

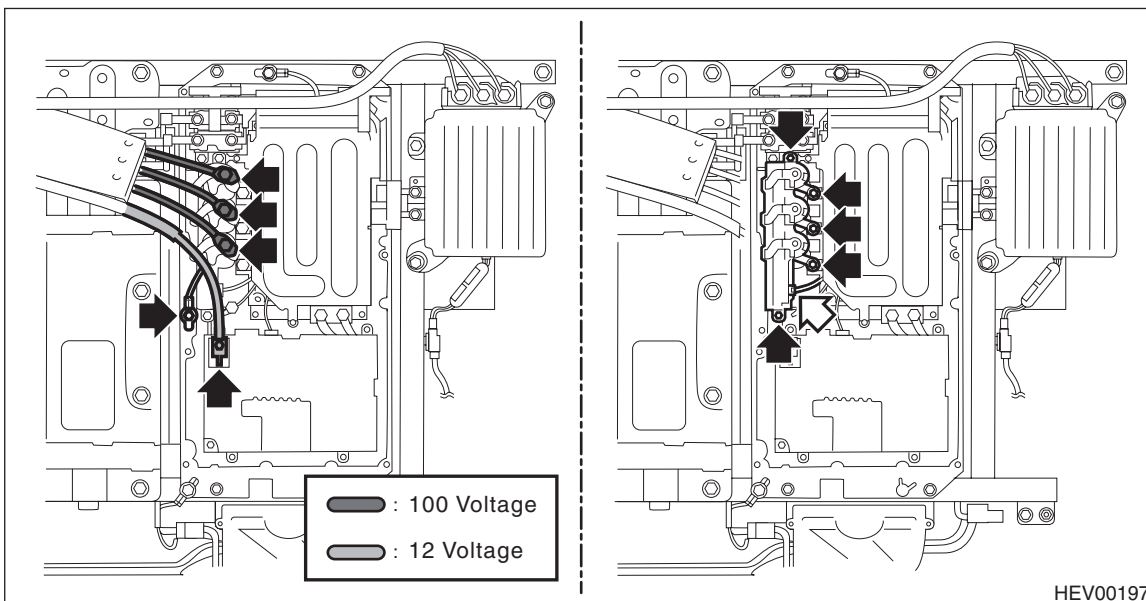
Standard: 0 V



8) Remove the drive motor inverter amperage sensor.

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.
 - (1) Remove the bolts and disconnect the ground terminal and the power cable.
 - (2) Remove the connectors and bolts, and remove the drive motor inverter amperage sensor.



(3) Remove the bus bar from the drive motor inverter amperage sensor.

B: INSTALLATION

WARNING:

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1) Install the drive motor inverter amperage sensor.

Tightening torque:

6.5 N·m (0.7 kgf-m, 4.8 ft-lb)

2) 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)

3) 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)

4) Install the battery cover.

Tightening torque:

7.5 N·m (0.8 kgf-m, 5.5 ft-lb)

5) Install the spacer - rear floor front.

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

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

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