

4. Service Plug

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.>

CAUTION:

Take the ignition key or access key out of the vehicle to avoid malfunctions of hybrid system.

1) Disconnect the ground cable from battery. <Ref. to NT-5, BATTERY, NOTE, Note.>

NOTE:

For the 12 volt engine restart battery, disconnect the ground terminal from 12V engine restart battery sensor.

2) Remove the mat - rear floor CTR.

3) Remove the service disconnect plug.

WARNING:

- Carry the removed service disconnect plug in your pocket in order to prevent other engineers from accidentally installing the plug during work.

- After removal of the service disconnect plug, the condenser inside the inverter still have been charged to a high voltage. Wait for at least 10 minutes before handling the high voltage components, wiring, terminals or connectors.

(1) Pull up the lever until it touches the stopper.

(2) Move the lever upwards while pressing the claw (a).

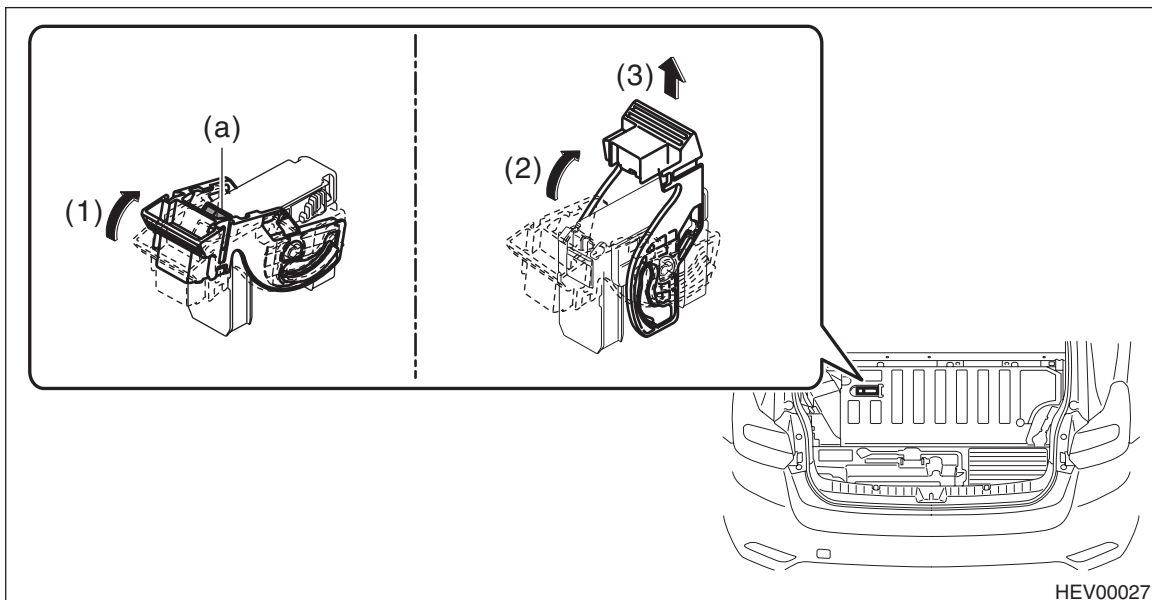
NOTE:

The lever locks in the vertical position.

(3) Pull out the service disconnect plug from high voltage battery.

CAUTION:

After removing the service disconnect plug, cover the connection with a tape to protect from intrusion of foreign matter such as water or dusts.



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.>

CAUTION:

- Before attaching the service disconnect plug, make sure there are no tools left inside and also double check that the high voltage terminal is tight and the connectors are properly connected.
- Always replace faulty service disconnect plug with a new part.
- Always use the original service disconnect plug to install. Never use a service disconnect plug removed from another vehicle.

Install each part in the reverse order of removal.

NOTE:

Move the lever to the horizontal position and push it until a click is heard and securely locked.

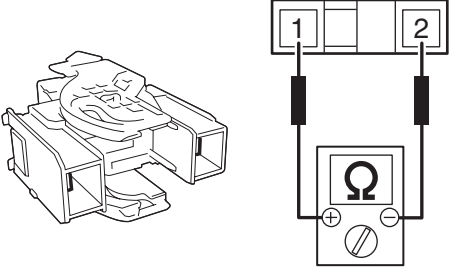
C: INSPECTION

UNIT INSPECTION

Preparation tool:

Circuit tester

1) Measure the resistance between service disconnect plug terminals.

Terminal No.	Inspection conditions	Standard	Connection diagram
1 — 2	Always	Less than 1 Ω	 <p>HEV00028</p>

2) If the service result is different from the standard value, replace the service disconnect plug.