2102J–01

PRECAUTION

CAUTION:

The hybrid system uses high voltage circuits, so improper handling could cause an electric shock or leakage. During service (e.g. installing or removing the parts, inspection, replacing the parts), be sure to follow the procedures below.

1. DISCONNECT POWER SOURCE WHEN PERFORMING WORK ON HIGH VOLTAGE SYSTEM

(a) Ensure that the power switch is OFF.

(b) Disconnect the negative terminal cable from the auxiliary battery (see page 21–120).

(c) Always wear insulating gloves (see item 2 below).

NOTICE:

DTCs will also be erased, so if necessary check DTCs before disconnecting the power source OFF.

(d) Remove the service plug grip (see page 21–120).

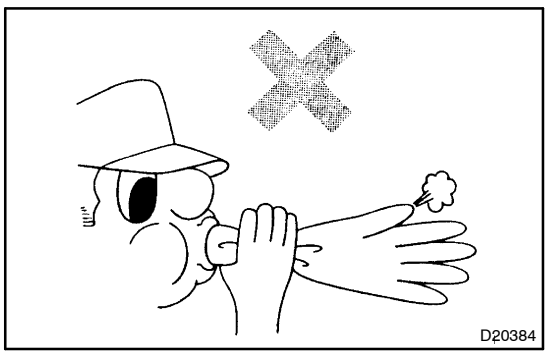
NOTICE:

- **After removing the service plug grip, do not operate the power switch as it may damage the hybrid vehicle control ECU.**
- **Keep the removed service plug grip in your pocket to prevent other technicians from reconnecting it while you are servicing the vehicle.**

(e) Leave the vehicle for 5 minutes.

HINT:

It takes 5 minutes for the high voltage condenser in the inverter to discharge its electricity.



2. PRECAUTIONS FOR INSULATING GLOVES

(a) Before wearing, ensure that the insulating gloves are not damaged with tears, holes or cracks.

(b) Do not wear wet gloves.

3. PRECAUTIONS FOR WIRE HARNESS AND CONNECTOR

(a) The wire harnesses and connectors with high voltage circuits are colored orange. In addition, high voltage parts such as the HV battery are affixed with a ”High Voltage” caution label. Be careful not to touch these wires.

4. PRECAUTIONS WHEN PERFORMING SERVICE OR INSPECTIONS

(a) Always disconnect the power source before starting work (see item 1 above).

(b) Always wear insulating gloves when inspecting or servicing any high voltage wires and parts.

(c) Alert other technicians that you are working on the high voltage systems with a warning sign such as ”High Voltage Work: Do Not Touch”.

(d) Do not carry any metal objects such as a mechanical pencil or a measuring tape that could fall and cause a short circuit.
(e) After removing any high voltage wires, insulate them immediately with insulation tape.
(f) Always tighten the high voltage screw terminals to the specified torque. Insufficient or excessive torque will cause malfunctions.
(g) After finishing work on the high voltage systems and before reinstalling the service plug, reconfirm that you have not left any parts or tools lying around, that the high voltage terminals are tightened and that the connectors are connected.