


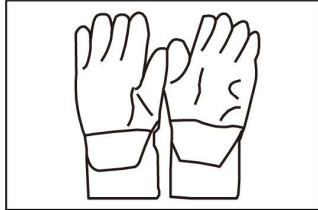
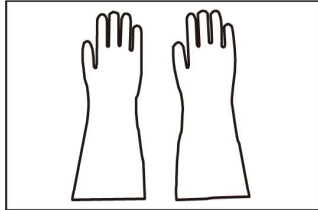
Operation Before Maintenance of High Voltage Electrical System

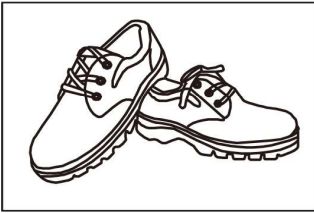
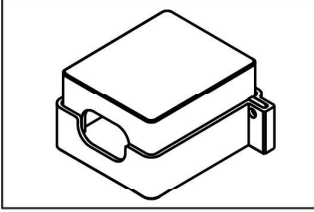
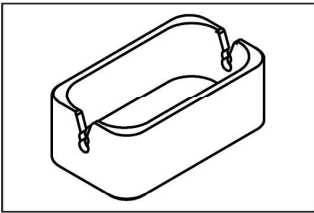
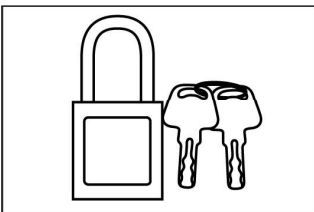
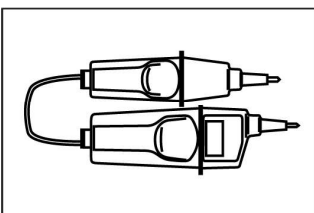
Power-off and power-on of high voltage electrical system

Warning:

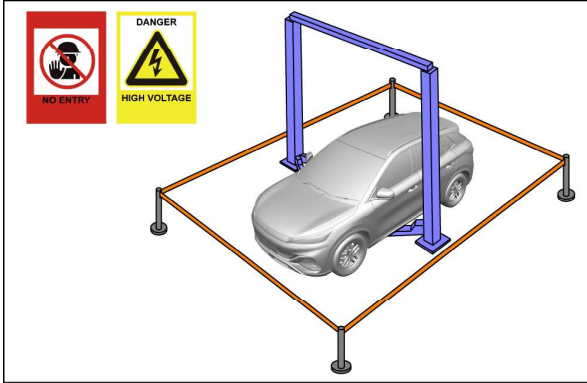
- When high voltage electrical system power-off is required: The high voltage electrical system must be powered off as per the following requirements before maintenance of any high voltage electrical system component and powered on after maintenance unless otherwise specified in the operating procedure.
- All high voltage system harnesses are orange in color. Before carrying out maintenance work on all components of the high voltage system, protective measures must be taken in accordance with the maintenance requirements of the high voltage system, such as wearing insulating gloves, insulating shoes, goggles, laying insulated mats, high voltage hazard warning signs, etc.
- The maintenance of the high voltage electrical system must be carried out by the maintenance personnel with the qualification recognized by the company and local laws and regulations.
- Violation of these safety warnings may result in personal injury or vehicle damage.

Personal Protective Equipment and Tools

SN.	Image	Name	Description
1		Protective mask	-
2		Insulating Gloves	Insulating voltage is higher than 1000V
3		Slip-proof gloves	-

SN.	Image	Name	Description
4		Insulated shoe	Insulating voltage is higher than 1000V
5		High voltage cable connector protective cover	PN. 14137482-00 Protective plug, electric shock prevention
6		High voltage cable connector protective cover	PN. 14137482-00 Protective plug, electric shock prevention
7		Insulation lock	PN. 14137482-00 Protective plug, electric shock prevention
8		Voltage Tester	Detect the voltage of high voltage components

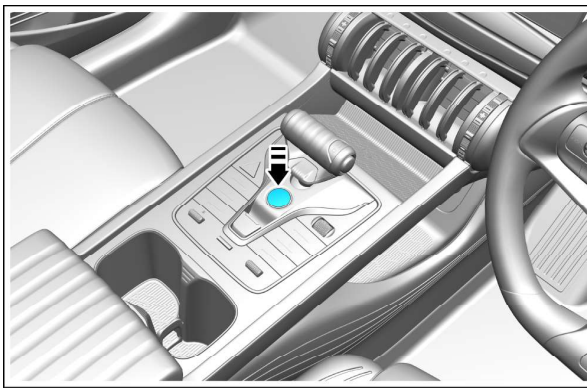
Power off the high voltage electrical system



1. Move the vehicle to maintenance site.

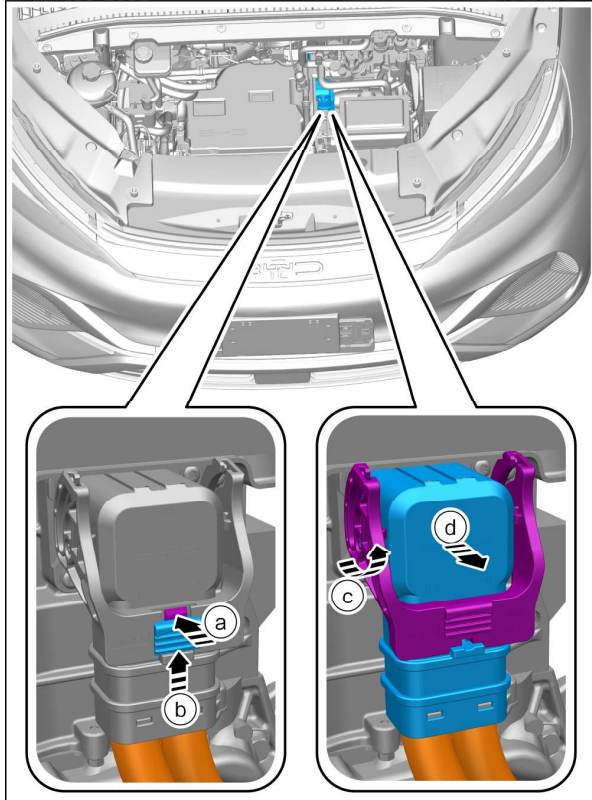
Warning:

- Set up fences and high voltage danger warning signs around the maintenance area and .
- Only relevant personnel wearing personal protective equipment can enter the maintenance area.

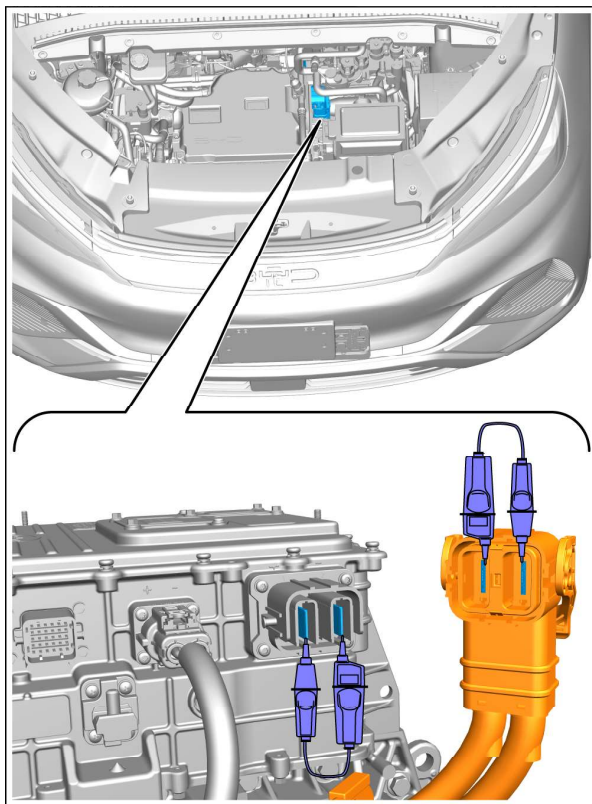


2. Set the vehicle power supply to OFF.

3. Power off the low voltage electrical system.
See [Power-off and Power-on of Low Voltage Electrical System](#)



4. Disconnect the high voltage distribution harness sub-assembly from the drive motor control module assembly:
 - a. Press the clip inward.
 - b. Push the tongue upward to the top.
 - c. Turn the connector locking bracket upward.
 - d. Pull out the connecting end of high voltage distribution harness sub-assembly.



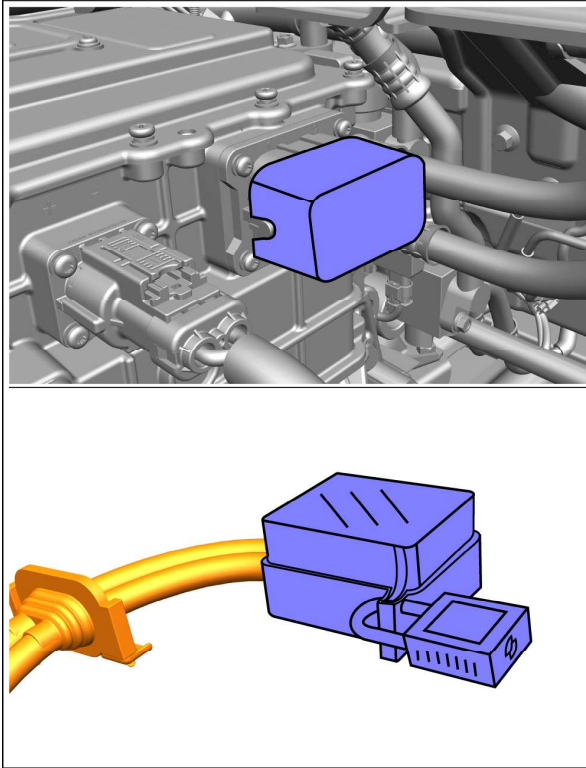
5. After waiting for 5 min, you should use voltage tester to measure the terminal voltage of the high voltage distribution harness sub-assembly connector and that of the drive motor control module assembly connector.
 - HV+&HV- ≤ 60V(DC)
 - If the terminal voltage of the connector is within the standard range, the high voltage electrical system of the vehicle has been powered off successfully.
 - If only the drive motor control module assembly connector terminal voltage exceeds the standard range, the fault must be eliminated, and the high voltage system components except the high voltage distribution harness sub-assembly and power battery are not allowed to be repaired until the fault is eliminated.
 - If only the terminal voltage of high voltage distribution harness sub-assembly connector exceeds the standard range, the faults must be eliminated, and never repair the high voltage distribution harness sub-assembly and power battery until the fault is eliminated.
 - If the connector terminal voltage exceeds the standard range, the fault must be

eliminated, and all parts of the high voltage system are not allowed to be repaired until the fault is eliminated.

6. By using high voltage cable connector cover, the high voltage distribution harness sub-assembly and the drive motor control module assembly shall be subjected to insulation and sealing treatment.

⚠ Warning:

After the connector is disconnected, it needs to be insulated and sealed in time to prevent impurities from entering the terminal, as well as to prevent personal injury or vehicle damage caused by skin or conductive objects inadvertently touching the terminals.



Power-on of high voltage electrical system

1. Before powering on, confirm that the electrical line of the vehicle is well connected.
2. Install in the reverse order of removal.
3. After all lines of the high voltage electrical system and the low voltage electrical system are properly connected, set the vehicle power supply to OK, and ensure the electrical functions of the vehicle are normal and the vehicle can run normally. Meeting above conditions indicates that the high voltage electrical system of the vehicle is powered on.