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2014 FORD Ka OEM Service and Repair Workshop Manual

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1. To install, reverse the removal procedure.

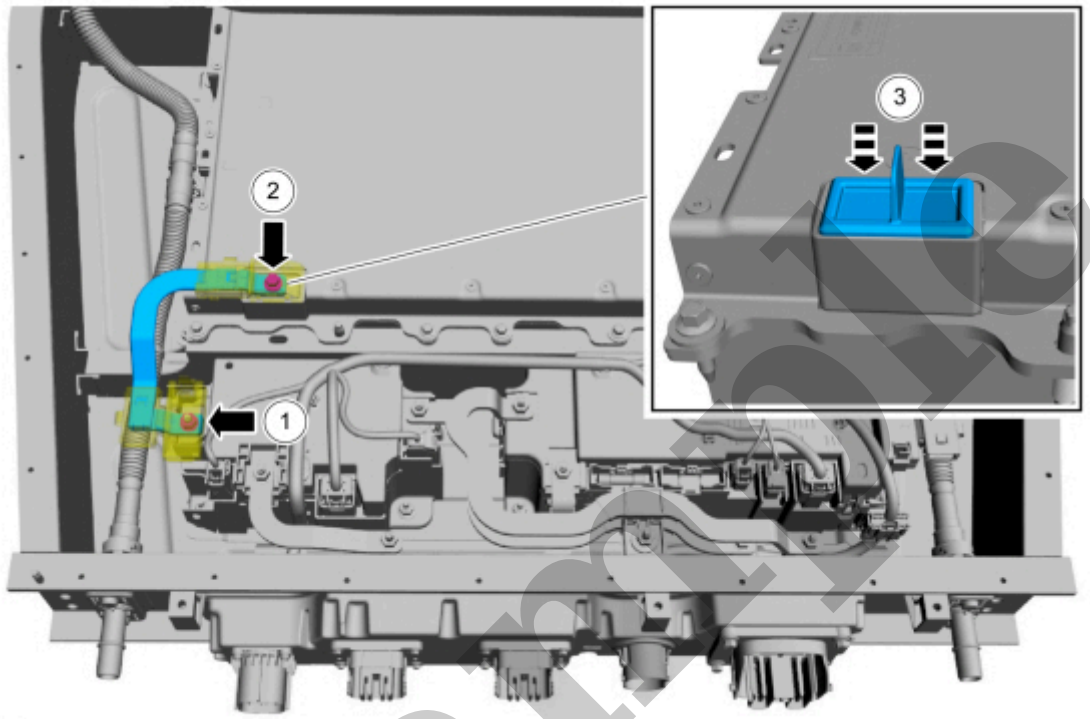
4. 1. Open the terminal cover and remove the bus bar nut.

   Torque : 106 lb.in (12 Nm)

   2. Open the terminal cover, remove the bolt and the bus bar.

      Torque : 119 lb.in (13.5 Nm)

   3. Install the battery module terminal cover.



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Click here to learn about symbols, color coding, and icons used in this manual.

Standard Range Batteries

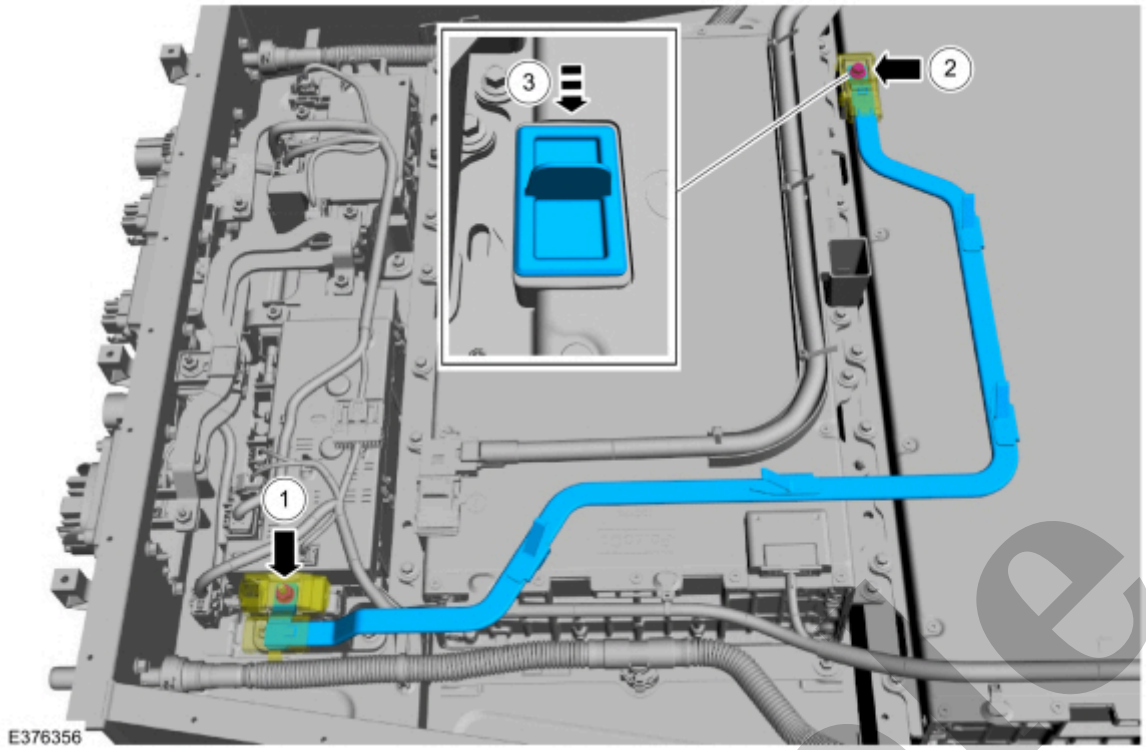
5. 1. Open the terminal cover and remove the bus bar nut.

   Torque : 106 lb.in (12 Nm)

   2. Open the terminal cover, remove the bolt and the bus bar.

      Torque : 119 lb.in (13.5 Nm)

   3. Install the battery module terminal cover.



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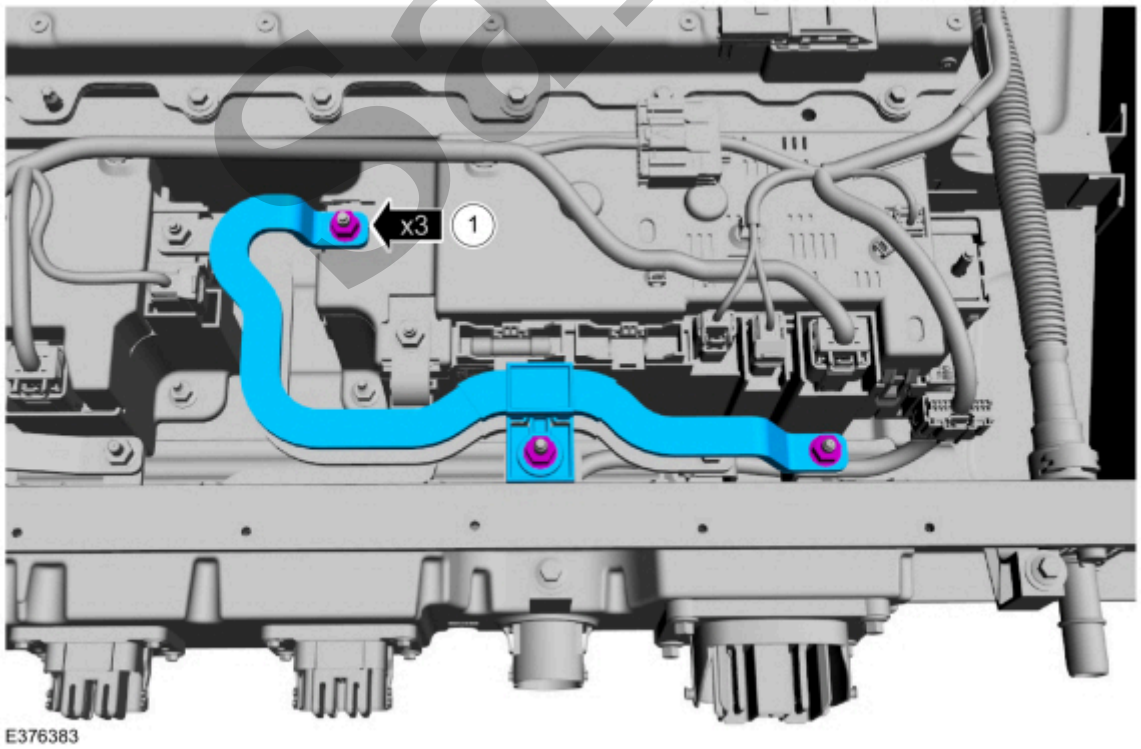
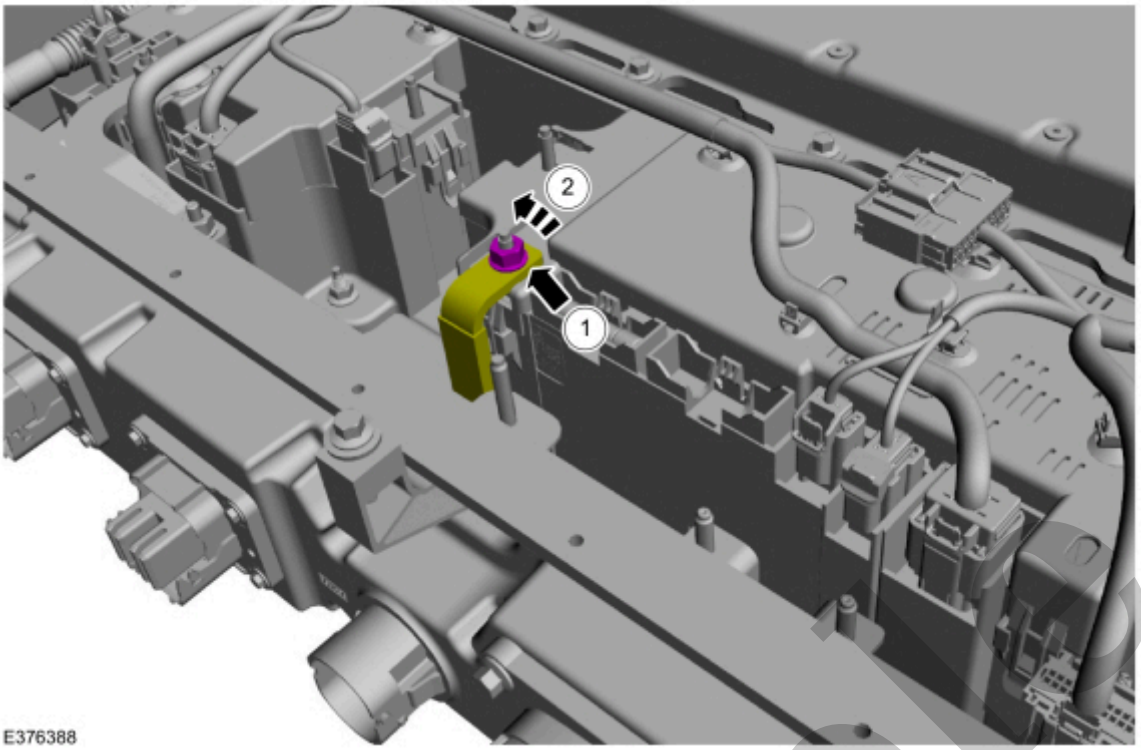
All Batteries

7. 1. Remove the nuts and the bus bar.

   Torque : 106 lb.in (12 Nm)





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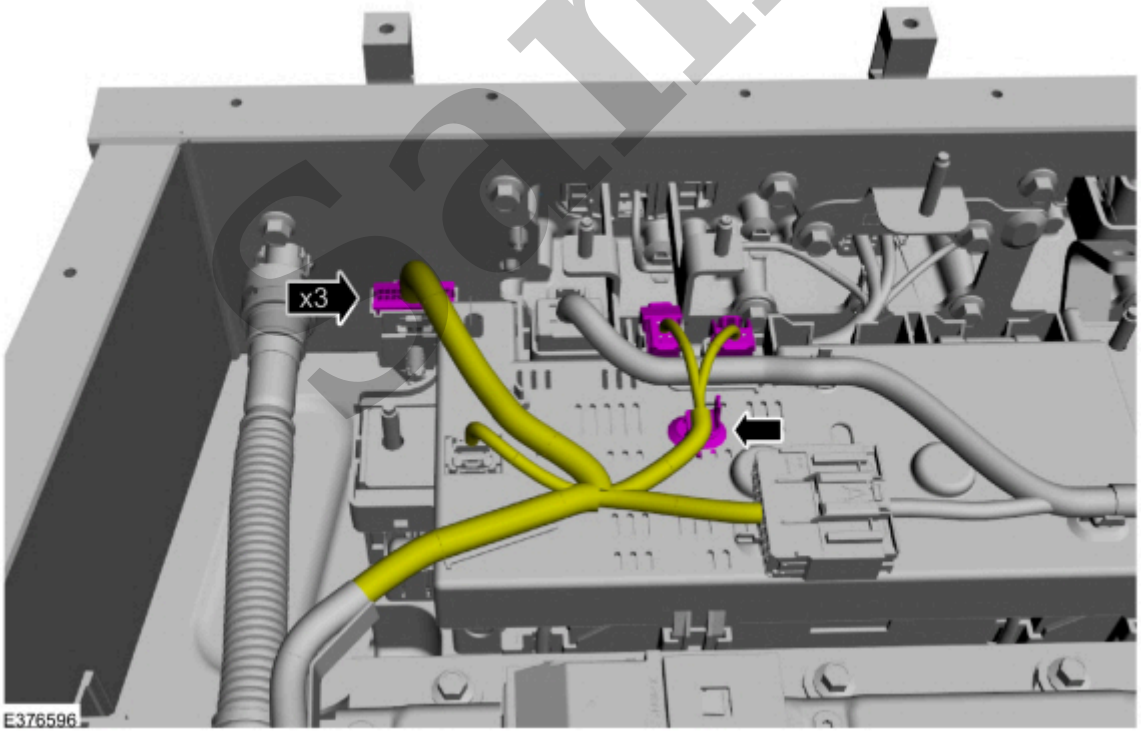
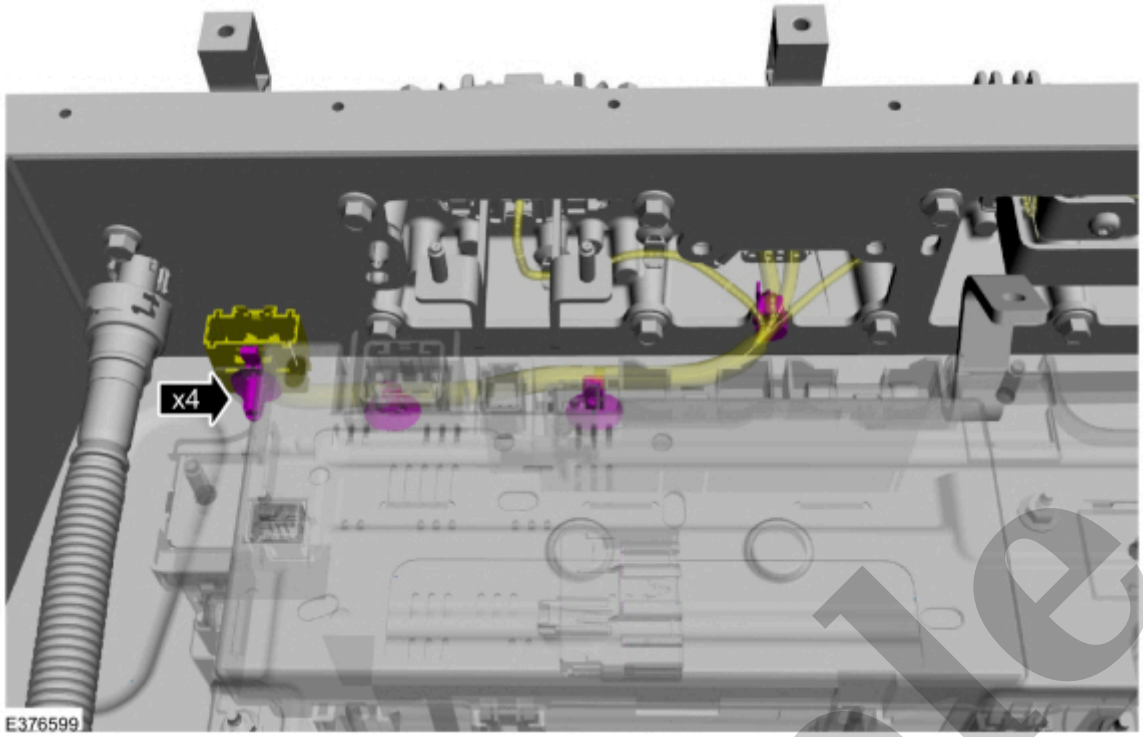
10. Disconnect the electrical connectors. Detach the retainer and position the wire harness aside.



Click here to learn about symbols, color coding, and icons used in this manual.

11. Disconnect the electrical connectors. Detach the retainers and position the wire harness aside.



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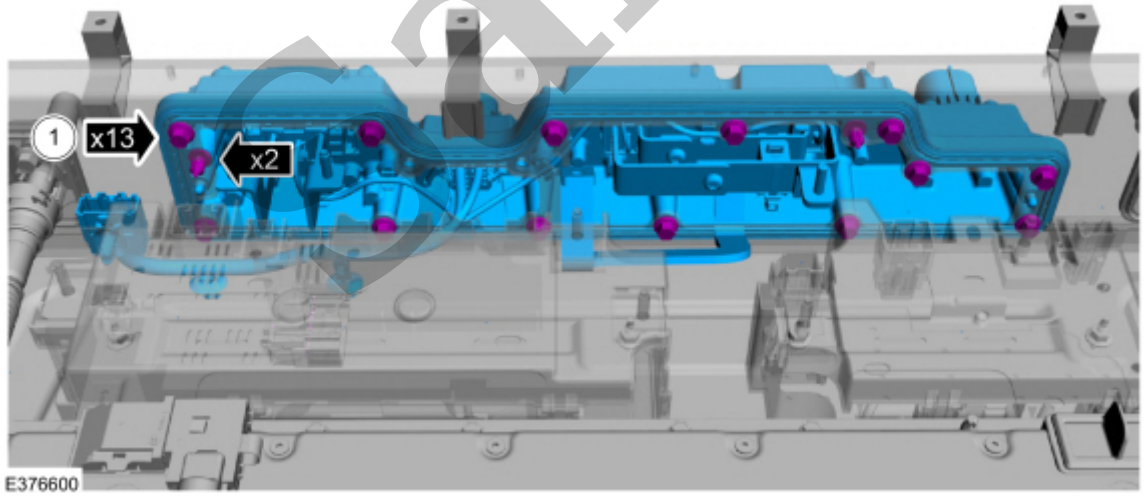
14. 1. Remove the HVB (High Voltage Battery) connector assembly bolts. Detach and remove HVB (High Voltage Battery) connector assembly from the battery tray.

Torque : 106 lb.in (12 Nm)



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Installation

1. To install, reverse the removal procedure.

High Voltage Battery Coolant Cover - Full Hybrid Electric Vehicle (FHEV)

414-03A High Voltage Battery, Mounting and Cables	***2022 F-150***
Removal and Installation	***Procedure revision date: 07/29/2021***

High Voltage Battery Coolant Cover - Full Hybrid Electric Vehicle (FHEV)

Removal

WARNING

To prevent the risk of high-voltage shock, always follow precisely all warnings and service instructions, including instructions to depower the system. The high-voltage system utilizes approximately 450 volts DC, provided through high-voltage cables to its components and modules. The high-voltage cables and wiring are identified by orange harness tape or orange wire covering. All high-voltage components are marked with high-voltage warning labels with a high-voltage symbol. Failure to follow these instructions may result in serious personal injury or death.

NOTE

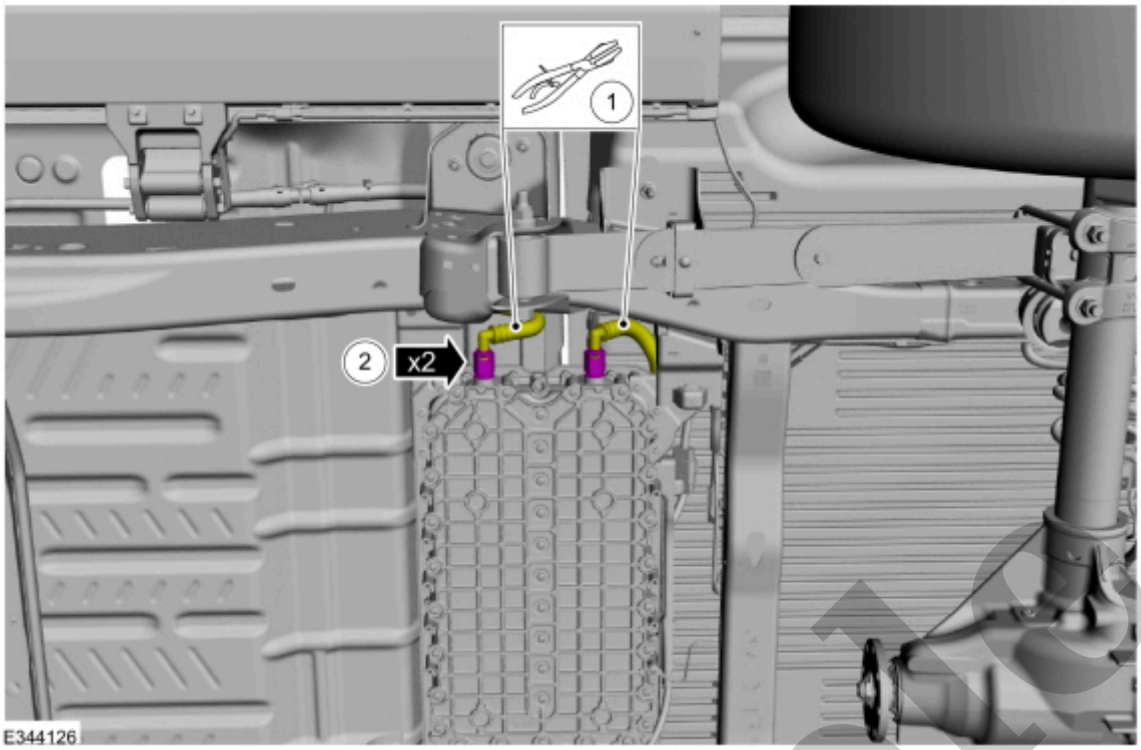
Removal steps in this procedure may contain installation details.

1. **WARNING**

   Before beginning any service procedure in this section, refer to Safety Warnings in section 100-00 General Information. Failure to follow this instruction may result in serious personal injury.

   Refer to: High Voltage System Health and Safety Precautions - Overview(100-00 General Information, Description and Operation).

2. De-energize the high voltage system.



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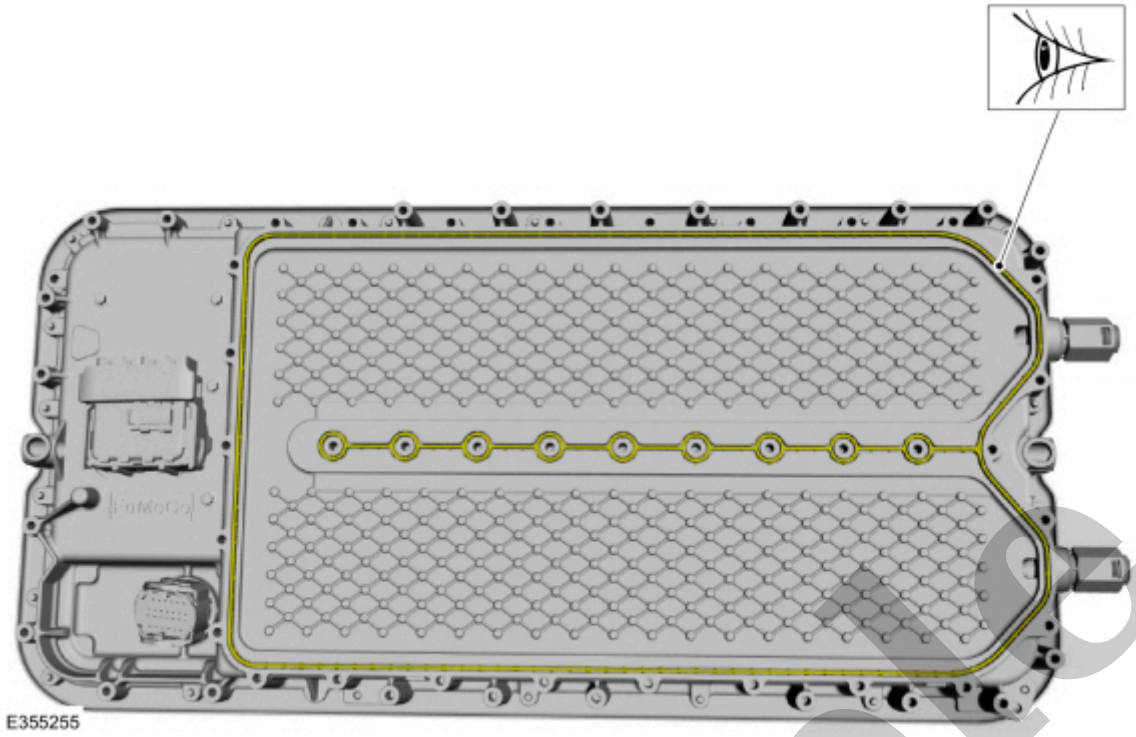
8. **NOTE**

   Be prepared to collect escaping fluid.

   Remove the bolts and the high voltage battery coolant cover.



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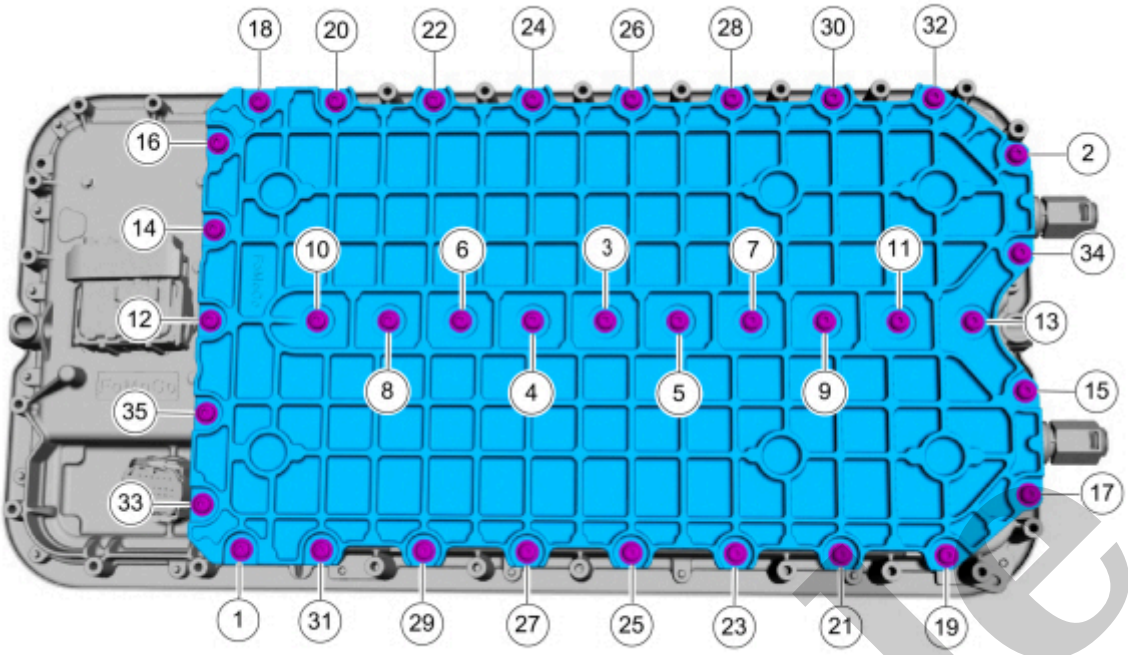
NOTE

This step is only required if replacing the high voltage battery coolant cover seal.

NOTE

Make sure the high voltage battery coolant cover seal is fully seated in the high voltage battery tray groove.

3. 1. Position the new high voltage battery coolant cover seal and press into the high voltage battery tray in the direction shown.



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5. Bleed the cooling system.

   Refer to: Cooling System Filling and Bleeding(303-03F Electric Powertrain Cooling - 3.5L V6 PowerBoost (CN), General Procedures).