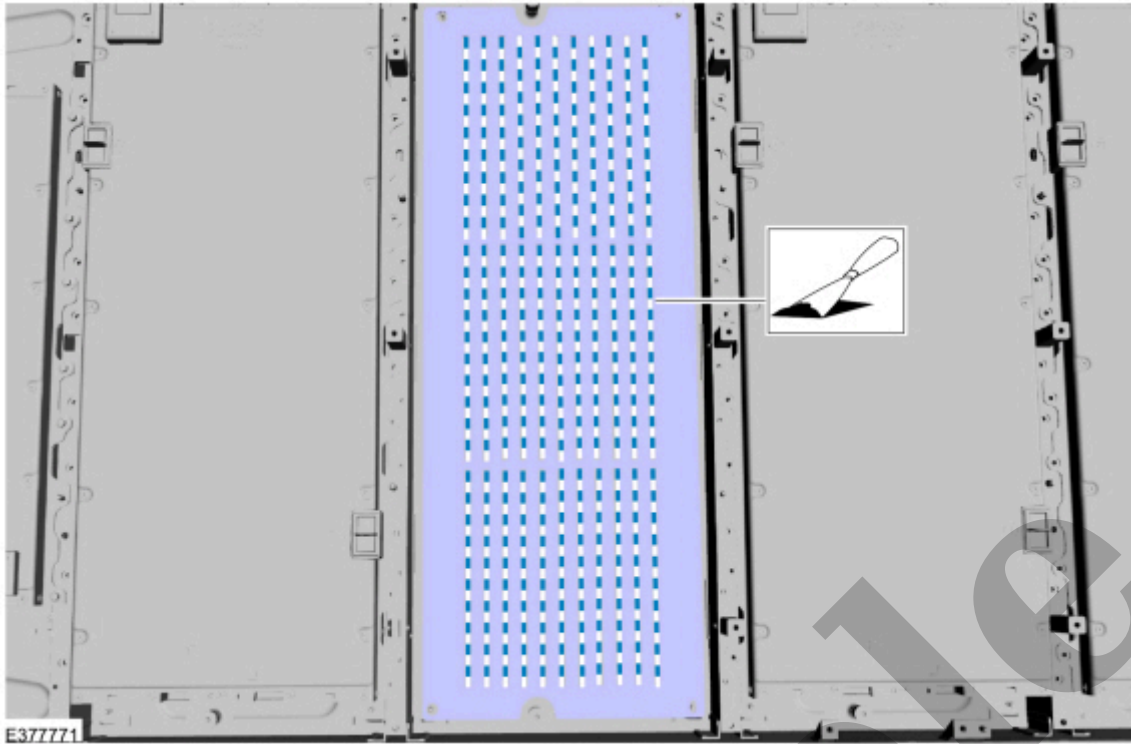


Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

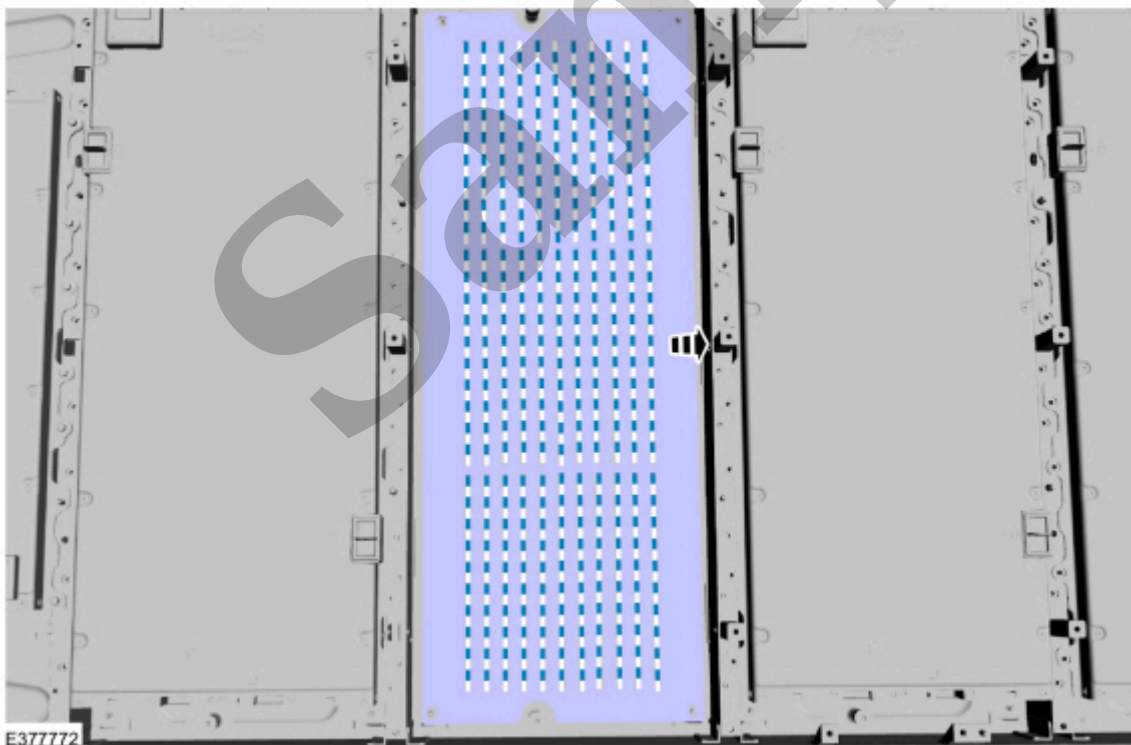
2009 FORD Ka OEM Service and Repair Workshop Manual

[Go to manual page](#)



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

9. Remove the Thermal Interface Material (TIM) application template from the cold plate.



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High Voltage Battery Wiring Harness - Full Hybrid Electric Vehicle (FHEV)

414-03A High Voltage Battery, Mounting and Cables	2022 F-150
Removal and Installation	Procedure revision date: 01/24/2022

High Voltage Battery Wiring Harness - 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.

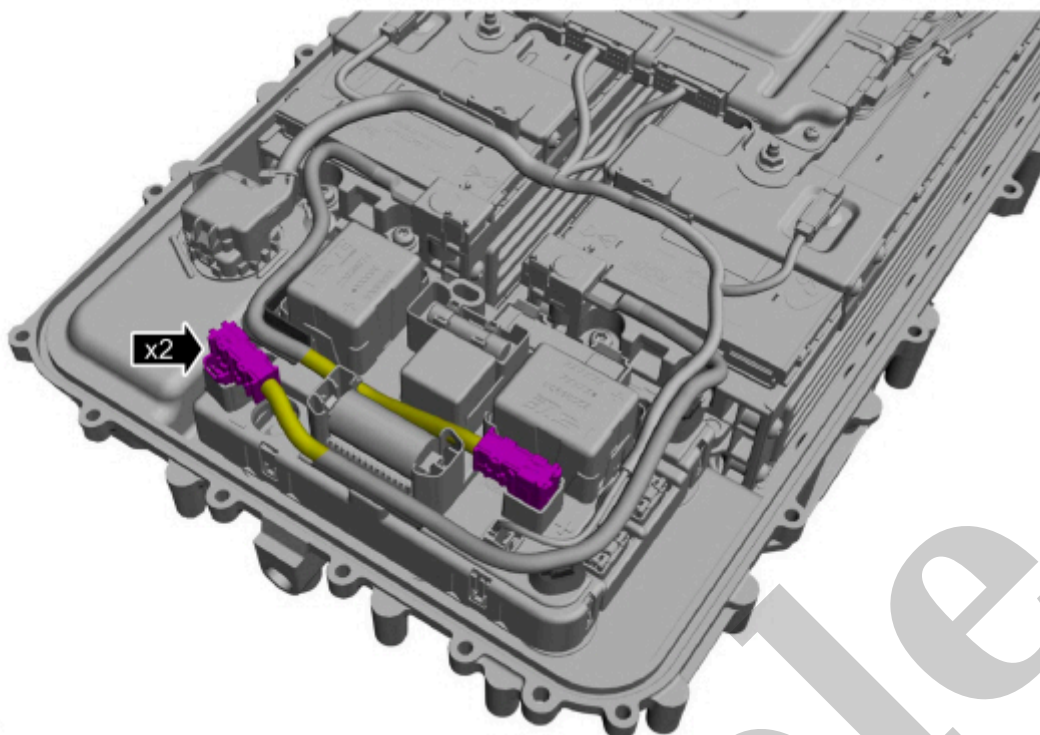
WARNING

The following step prescribes critical instructions. Perform the protective cap opening and closing sequence exactly as directed. Failure to follow these instructions may result in serious personal injury or death.

NOTE

Removal steps in this procedure may contain installation details.

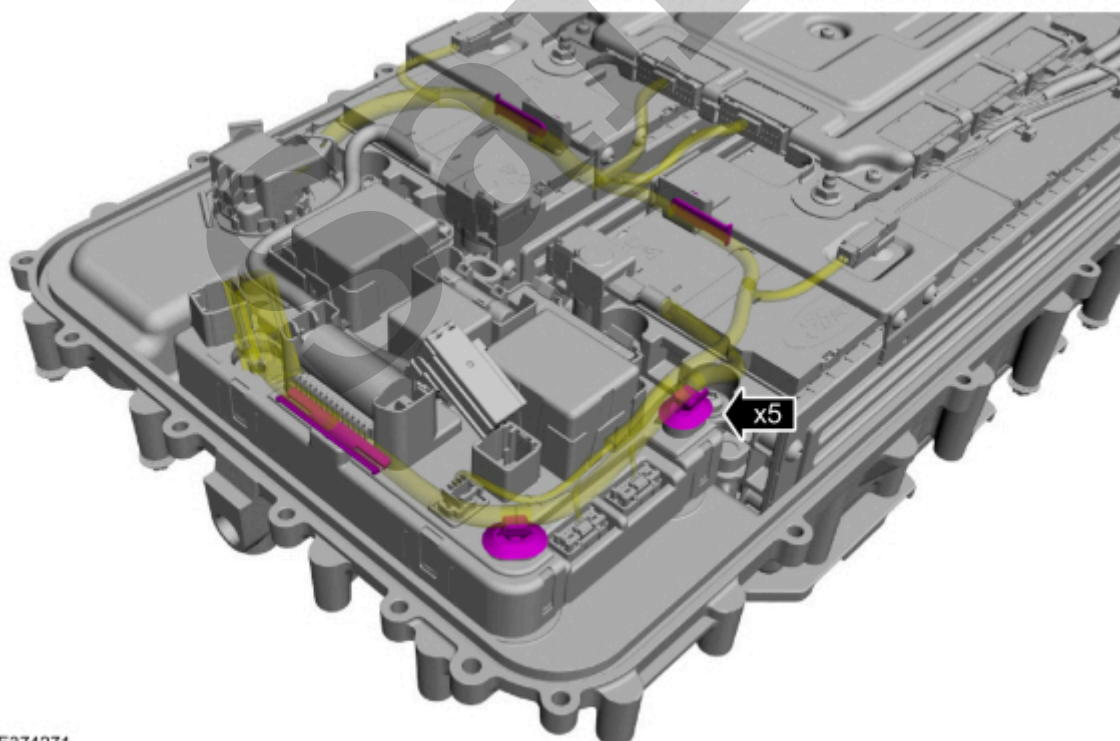
1. **WARNING**



E338612

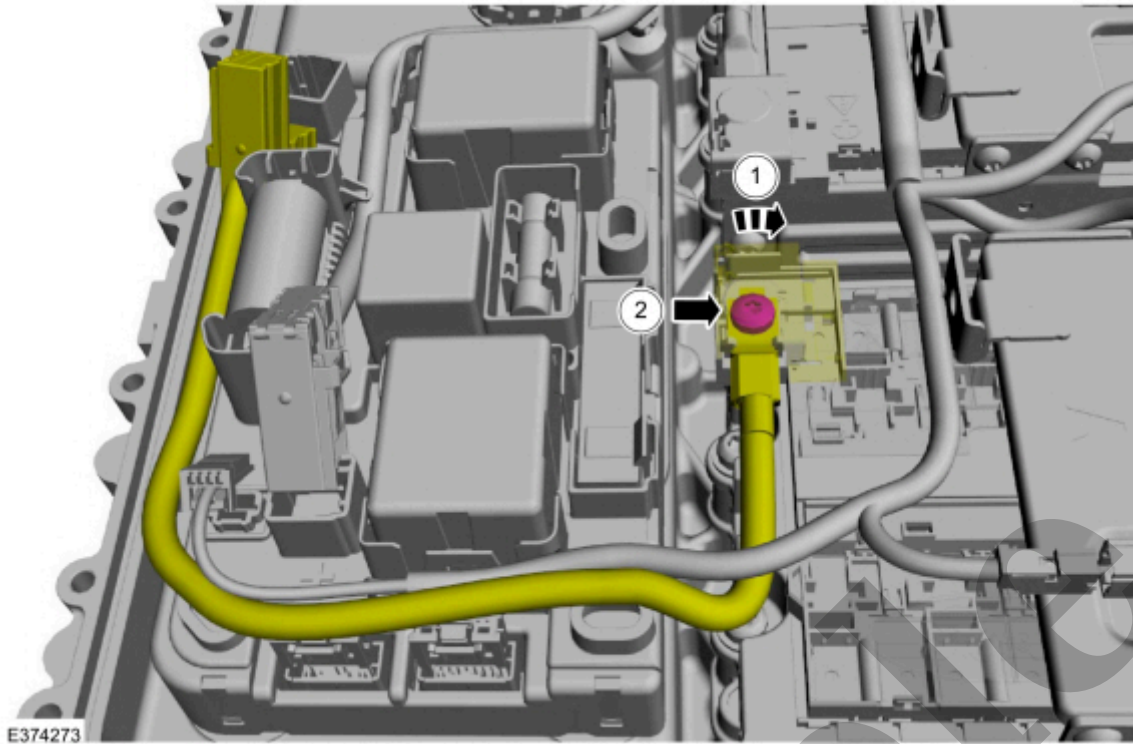
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5. Detach the wire harness retainers from the high voltage BJB (battery junction box) and the high voltage battery modules.



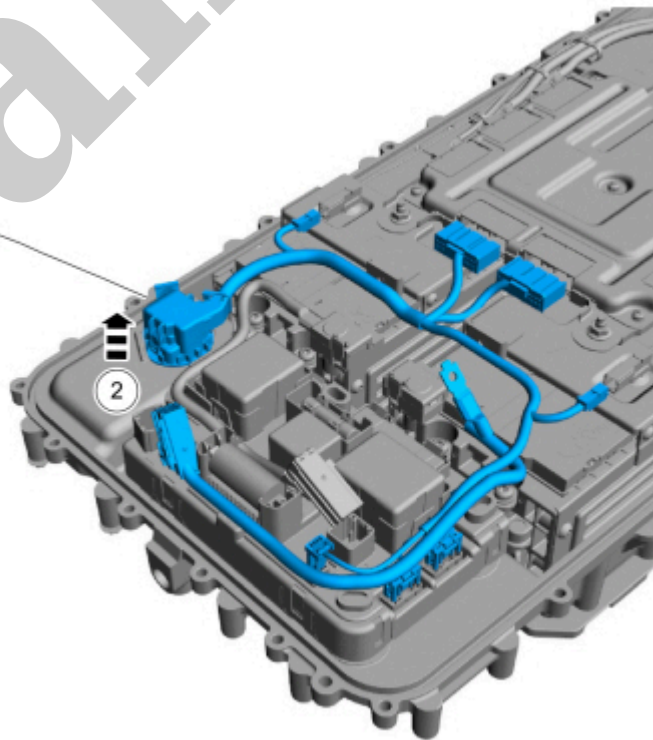
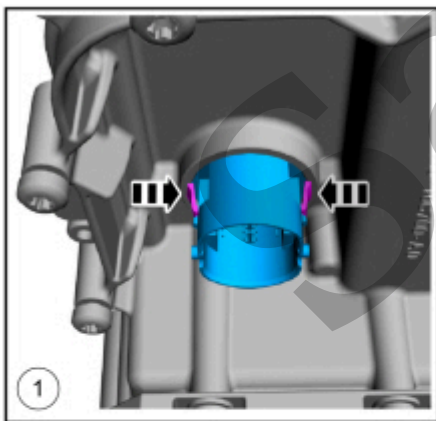
E374271

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8.
 1. Release the electrical connector retainers.
 2. Remove the high voltage battery wiring harness.



E374274



High Voltage High Current Fuse - Electric

414-03A High Voltage Battery, Mounting and Cables	2022 F-150
Removal and Installation	Procedure revision date: 08/5/2022

High Voltage High Current Fuse - Electric

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 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.

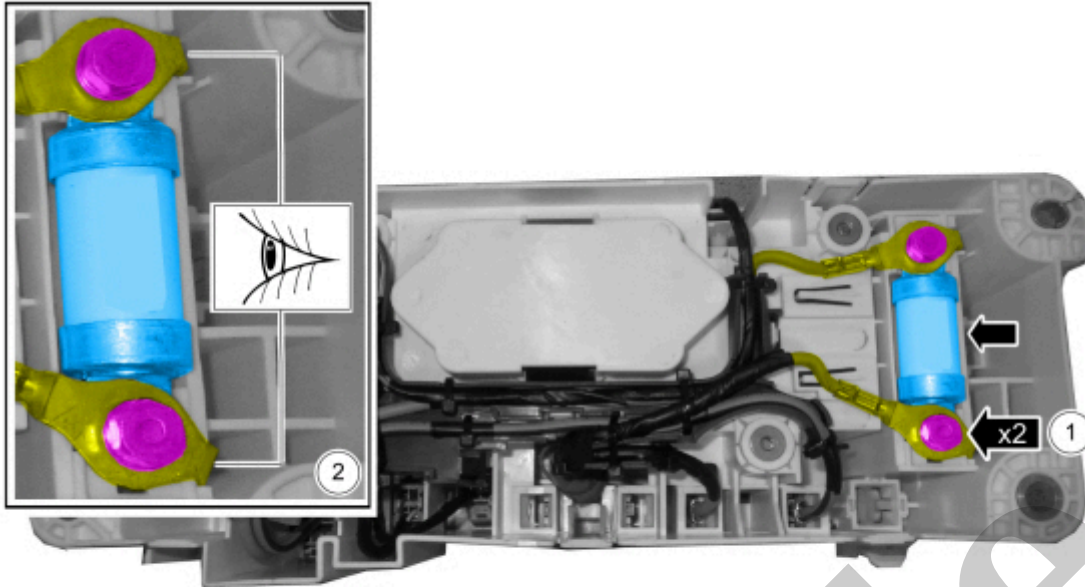
NOTICE

The high voltage high current fuse must be carefully handled. Replace a fuse that has been dropped, internal damage may have occurred inside the fuse.

NOTE

Removal steps in this procedure may contain installation details.

1. Refer to: [High Voltage System Health and Safety Precautions - Overview](#)(100-00 General Information, Description and Operation).
2. De-energize the high voltage system.



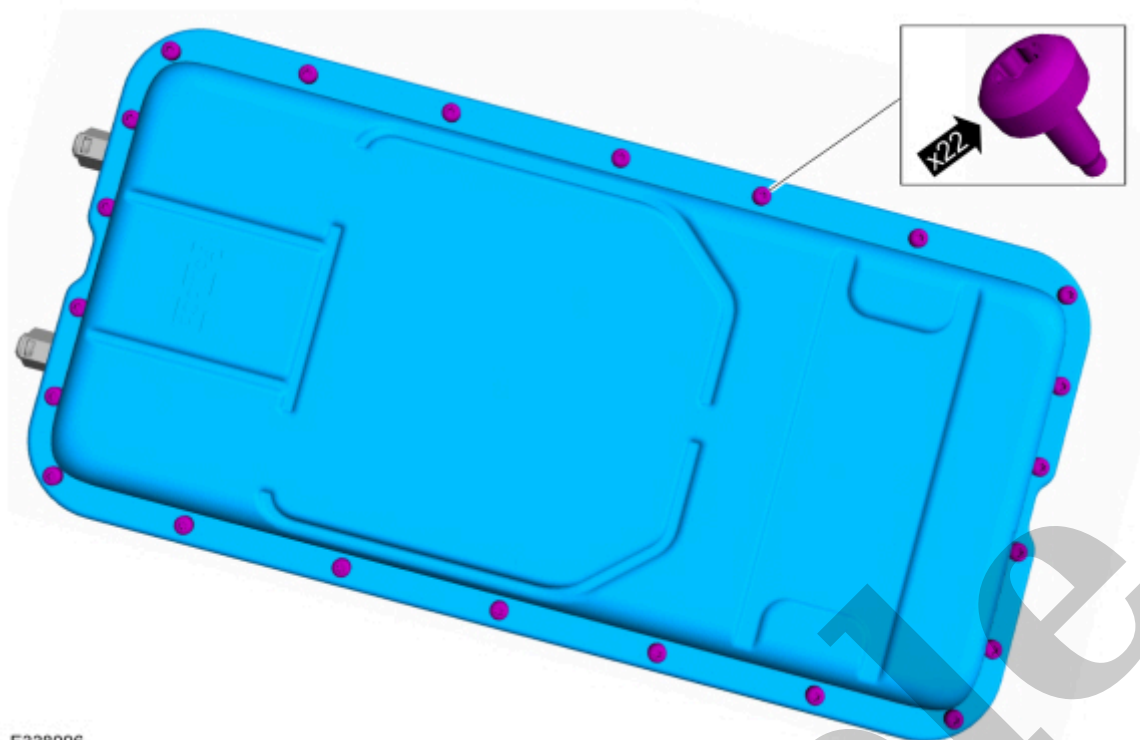
E392786

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Installation

1. To install, reverse the removal procedure.

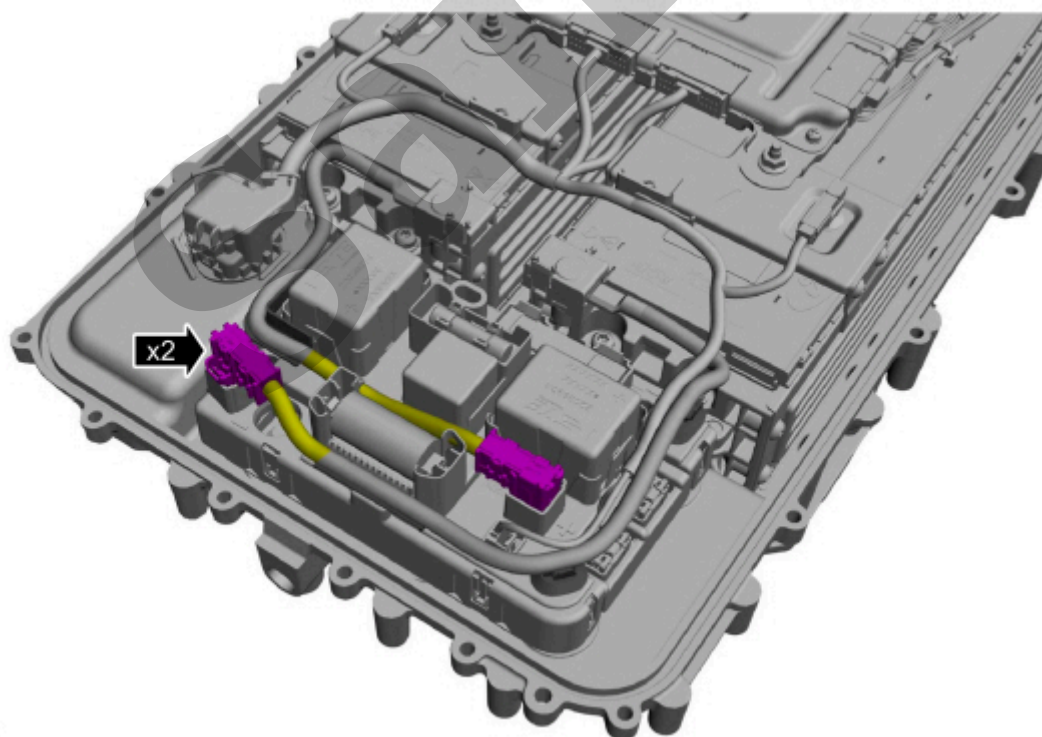
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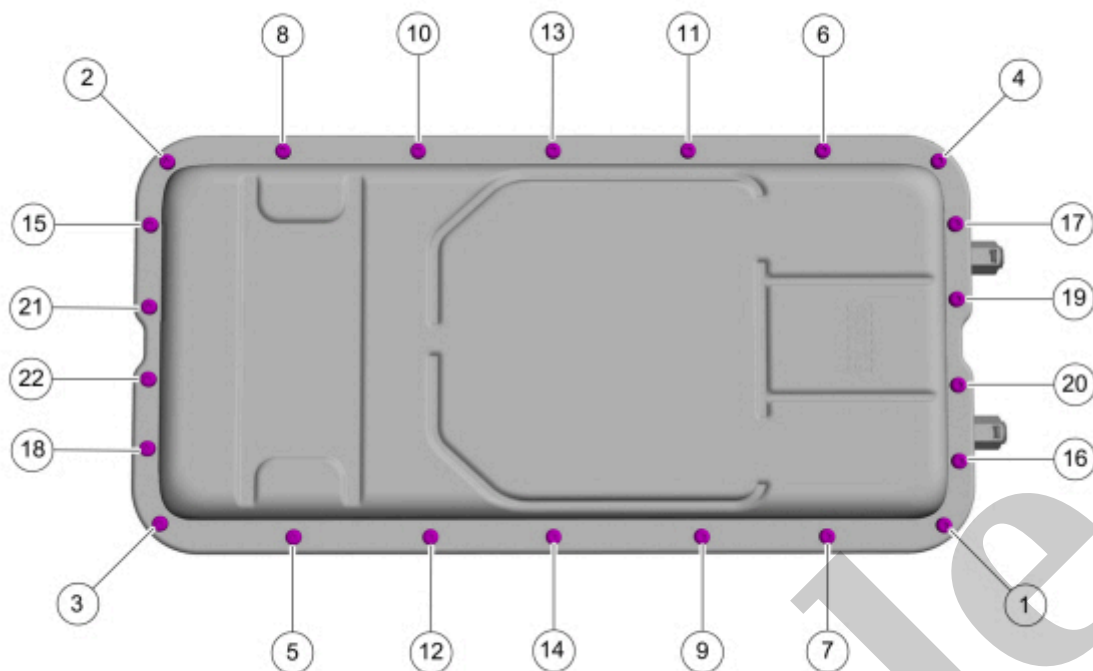
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4. Disconnect the electrical connectors from the high voltage BJB (battery junction box) and position the cables aside.



E338612

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E305078

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3. Install the high voltage battery.

Refer to: [High Voltage Battery - Electric](#) (414-03A High Voltage Battery, Mounting and Cables, Removal and Installation).

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Refer to: [High Voltage Battery Cover - Electric](#)(414-03A High Voltage Battery, Mounting and Cables, Removal and Installation).

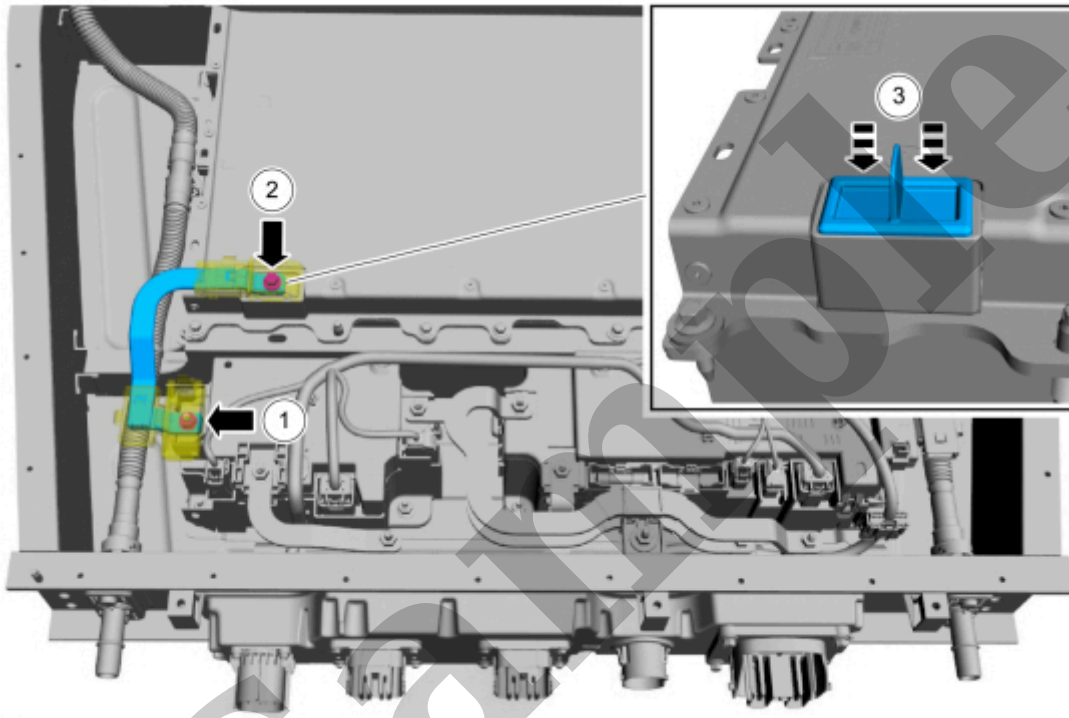
4. 1. Open the terminal cover and remove the bus bar nut.

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.



E376354

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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.