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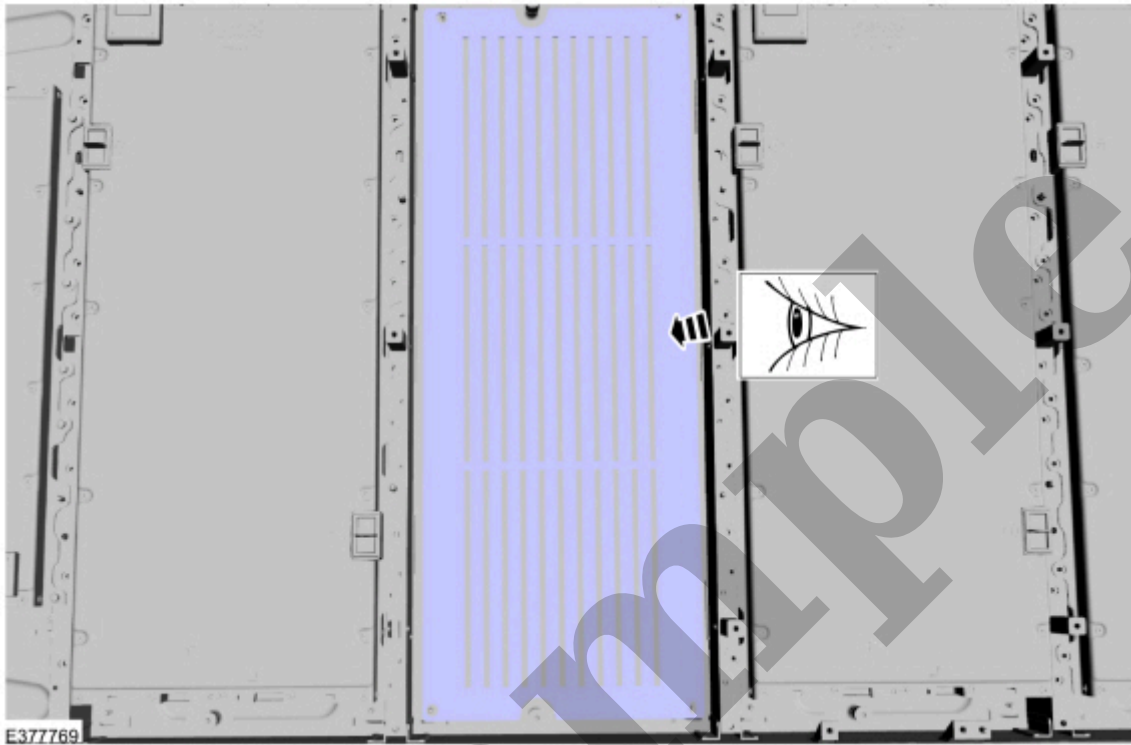
2014 FORD Grand C-Max OEM Service and Repair Workshop Manual

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6. **NOTE**

Make sure the correct application template is used and is properly orientated. The template must be fully seated.

Install the Thermal Interface Material (TIM) application template to the cold plate.



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

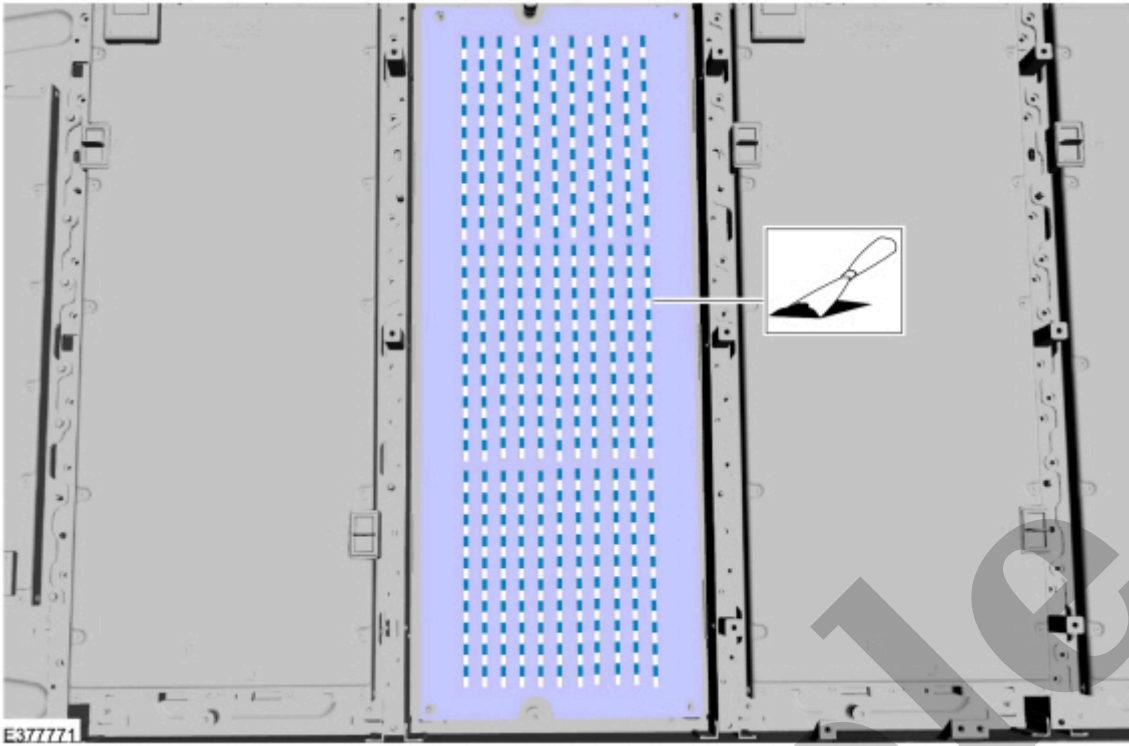
7. **NOTE**

The high voltage battery modules must be installed within 2 hours of applying the Thermal Interface Material (TIM).

NOTE

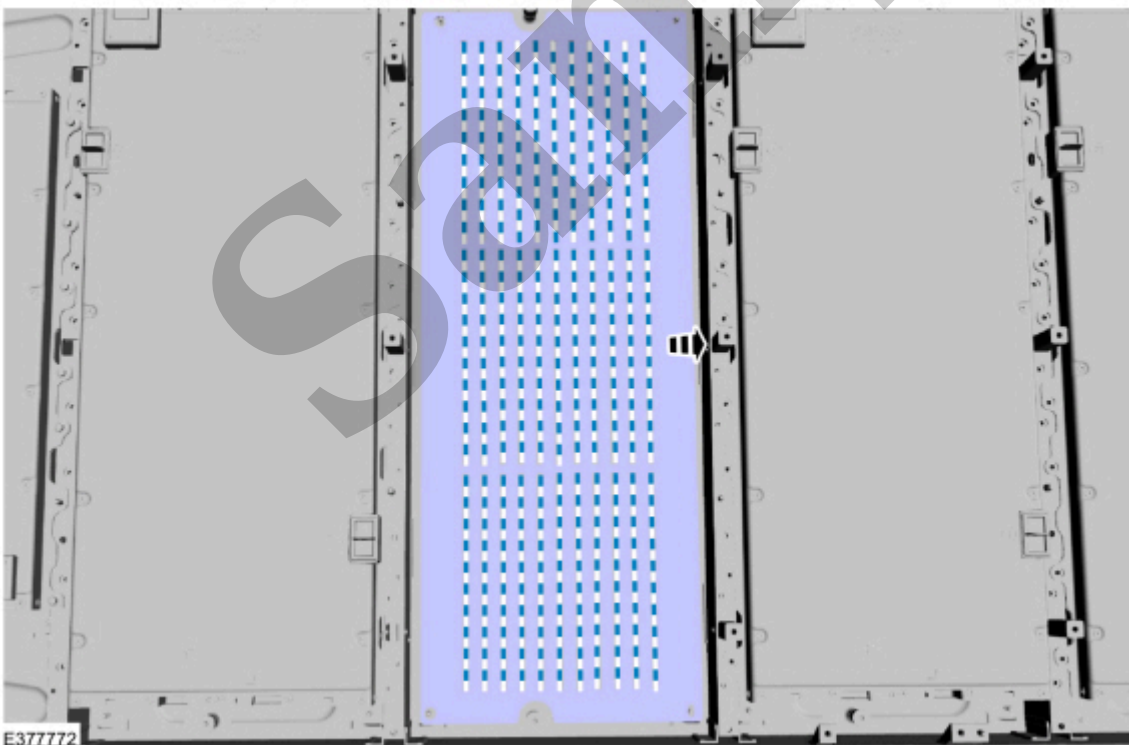
The use of two 200 mL (6.7 oz) of Thermal Interface Material (TIM) cartridges are necessary when replacing a single high voltage battery module.

NOTE



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



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Sixth Row High Voltage Battery Module - Electric, Vehicles With: Extended Range Battery

<i>414-03A High Voltage Battery, Mounting and Cables</i>	<i>2022 F-150</i>
<i>Removal and Installation</i>	<i>Procedure revision date: 04/23/2022</i>

Sixth Row High Voltage Battery Module - Electric, Vehicles With: Extended Range Battery

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.

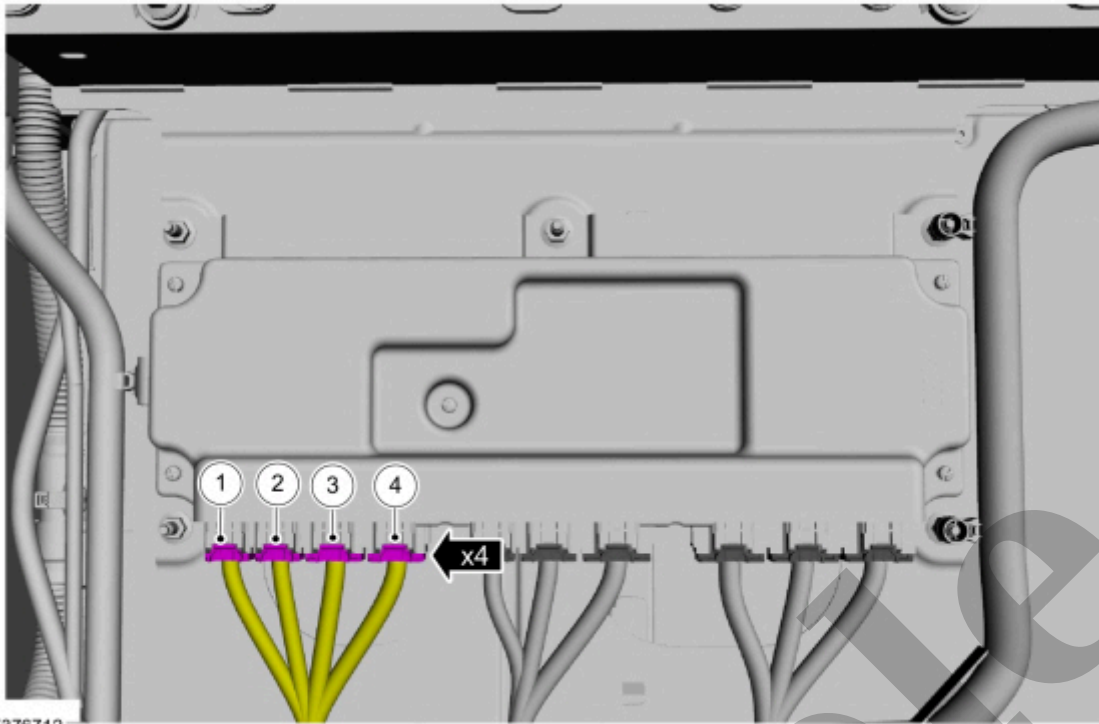
WARNING

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.

NOTICE

The high voltage battery module must be placed on a smooth, flat, padded surface, except when installing on the cold plate or component damage may occur.

NOTE



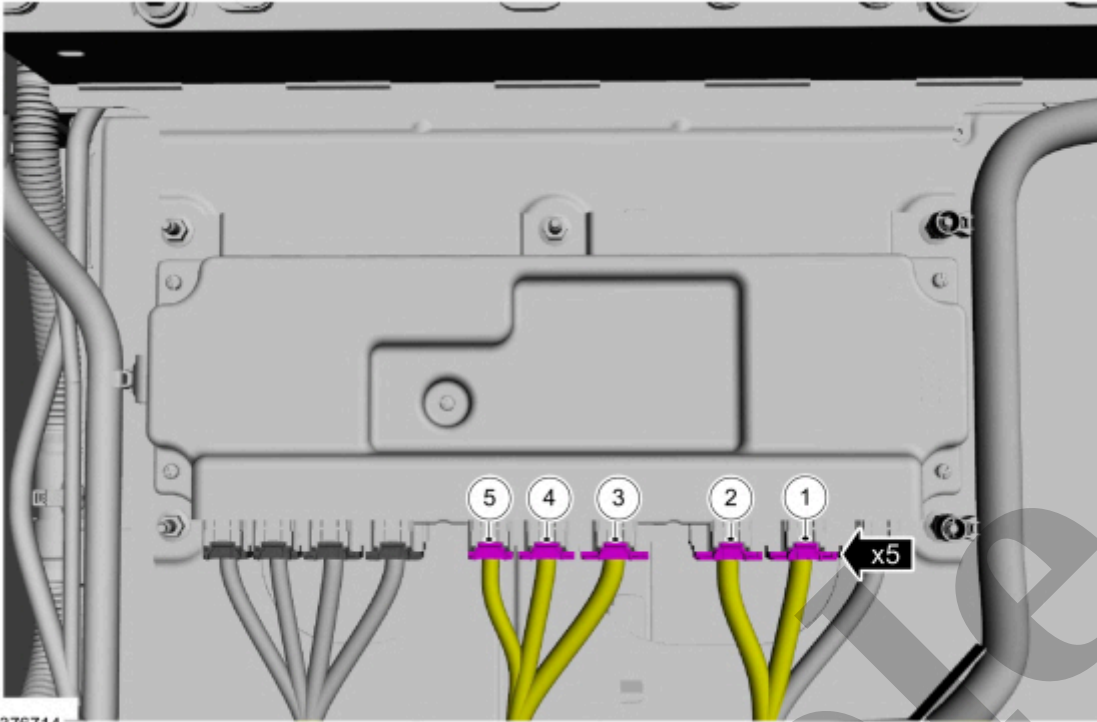
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5. NOTICE

Wait 10 seconds after disconnecting the BECM electrical connector shown, before disconnecting the remaining electrical connectors or component damage may occur.

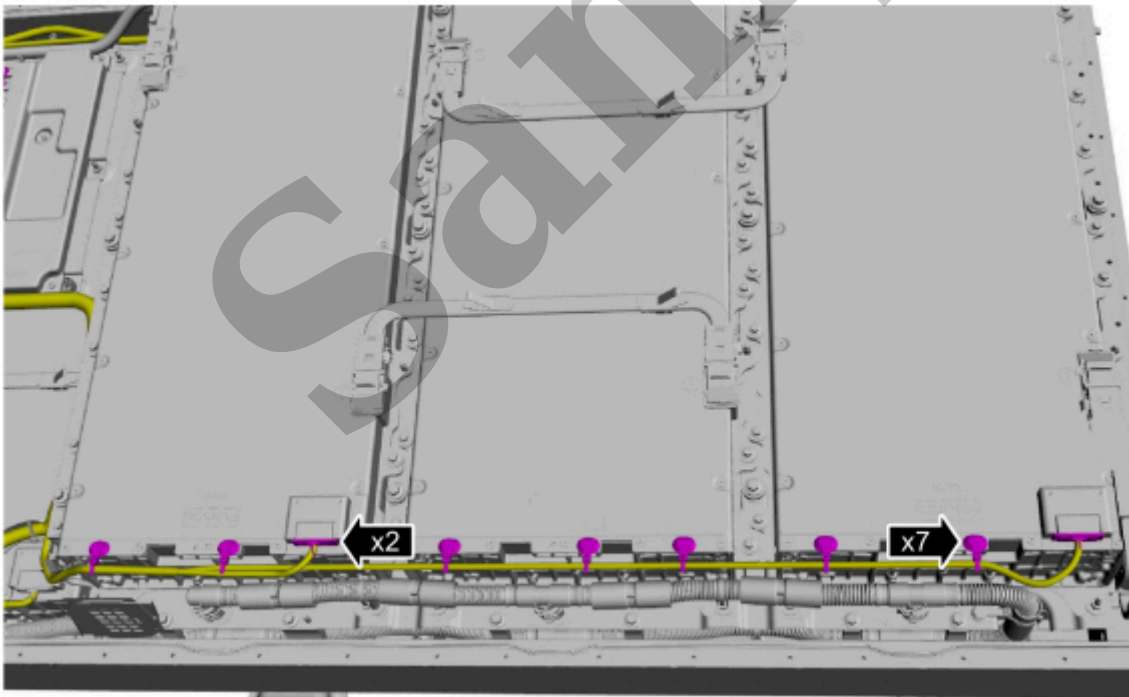
Disconnect the BECM (battery energy control module) electrical connector.



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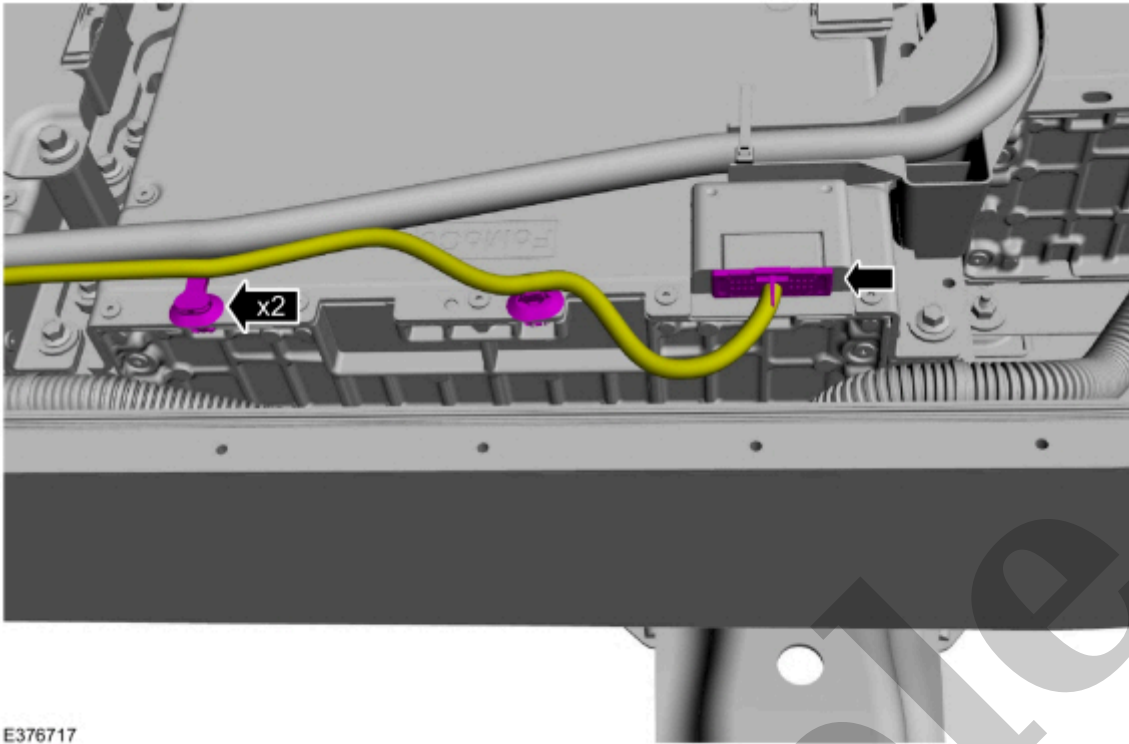
7. Detach the retainers, disconnect the electrical connectors and position the wire harness aside.



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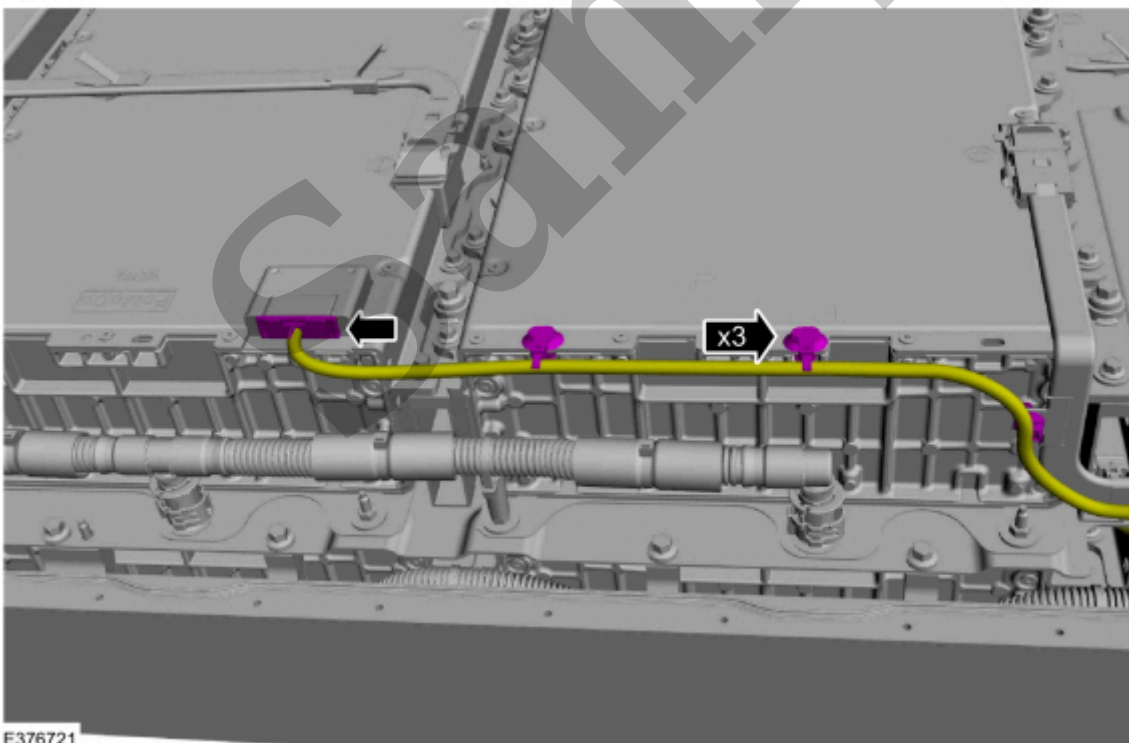
8. Detach the retainers, disconnect the electrical connectors and position the wire harness aside.



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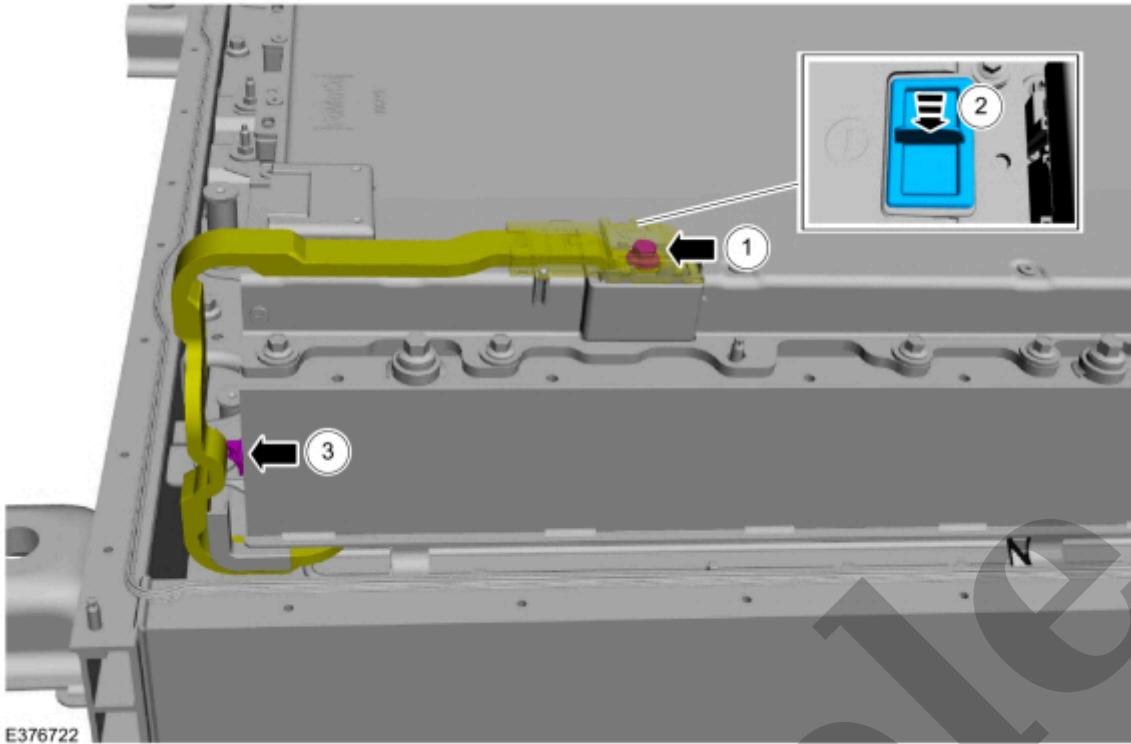
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11. Detach the retainers, disconnect the electrical connector and position the wire harness aside.



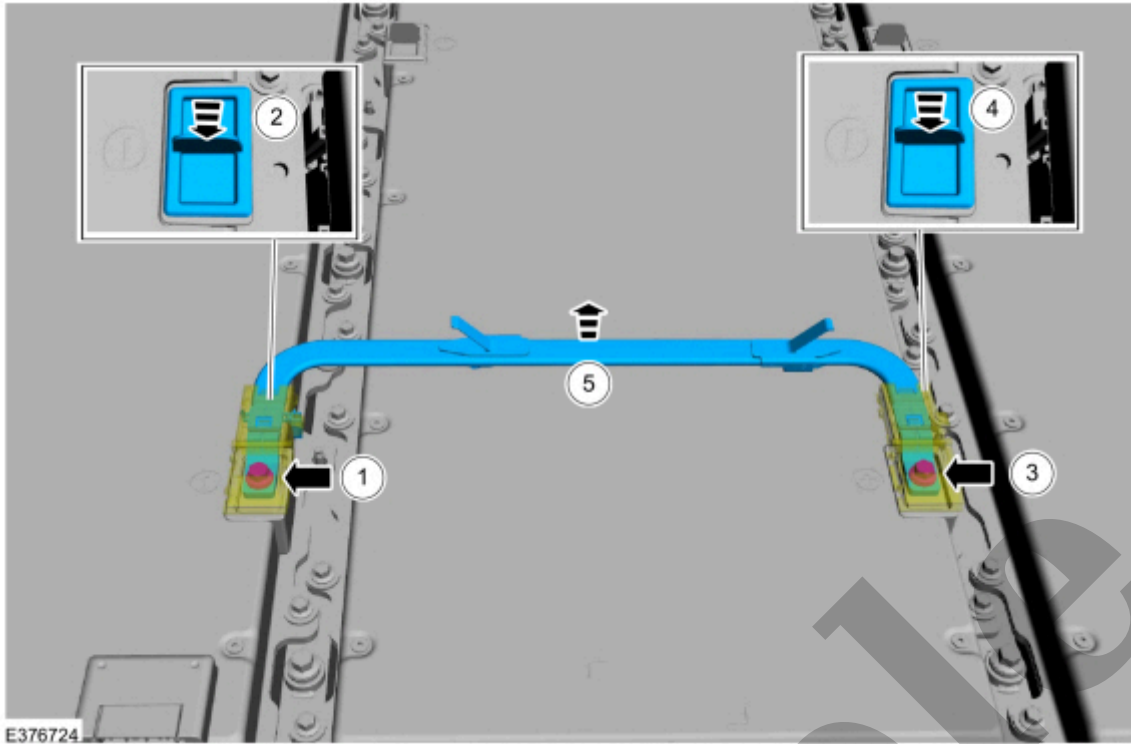
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14. 1. Open the terminal cover and remove the bus bar bolt.
Torque : 119 lb.in (13.5 Nm)
2. Install the battery module terminal cover.
3. Open the terminal cover and remove the bus bar bolt.
Torque : 119 lb.in (13.5 Nm)
4. Install the battery module terminal cover.
5. Remove the bus bar.

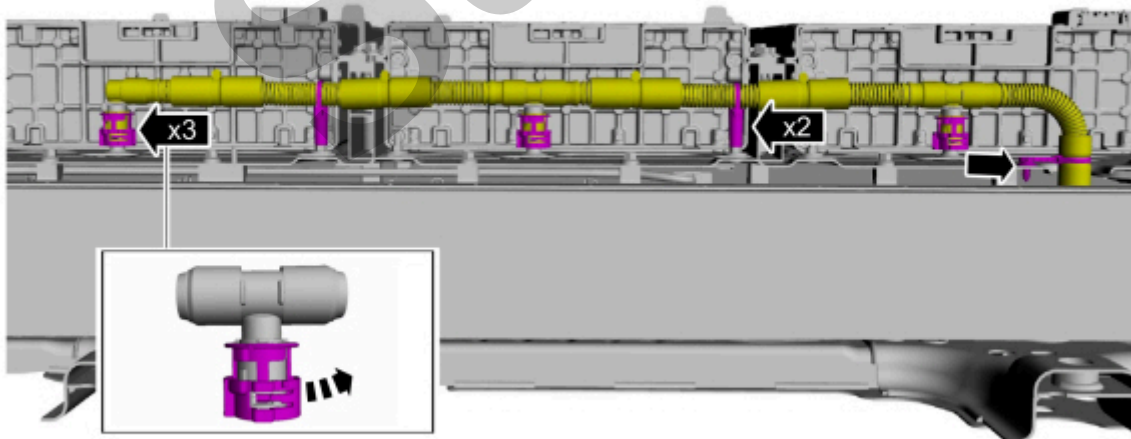


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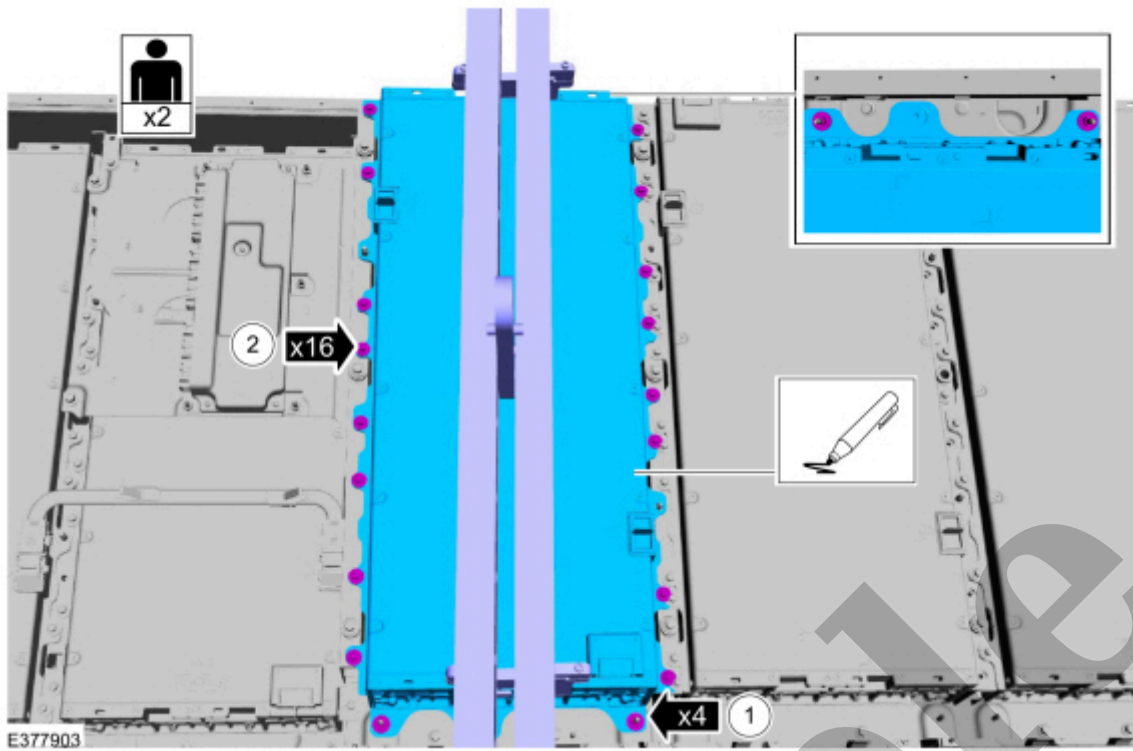
16. On both sides.

Detach the retainers, release the cooling hose connectors to cooling plates and position the hose aside.



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19. 1. Install the battery array lift adaptors.

Use Special Service Tool : 414-016-02 Adapter for 414-016

2. Install the battery lift fixture and position the battery array lift adaptors to the lift fixture and secure.

Use Special Service Tool : 414-016 Battery Lift Fixture