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2001 FORD Ka OEM Service and Repair Workshop Manual

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If the components are to be reinstalled, they must be installed in their original locations. Mark the components for installation into their original locations.

NOTE

Removal steps in this procedure may contain installation details.

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

2. Remove the high voltage battery.

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

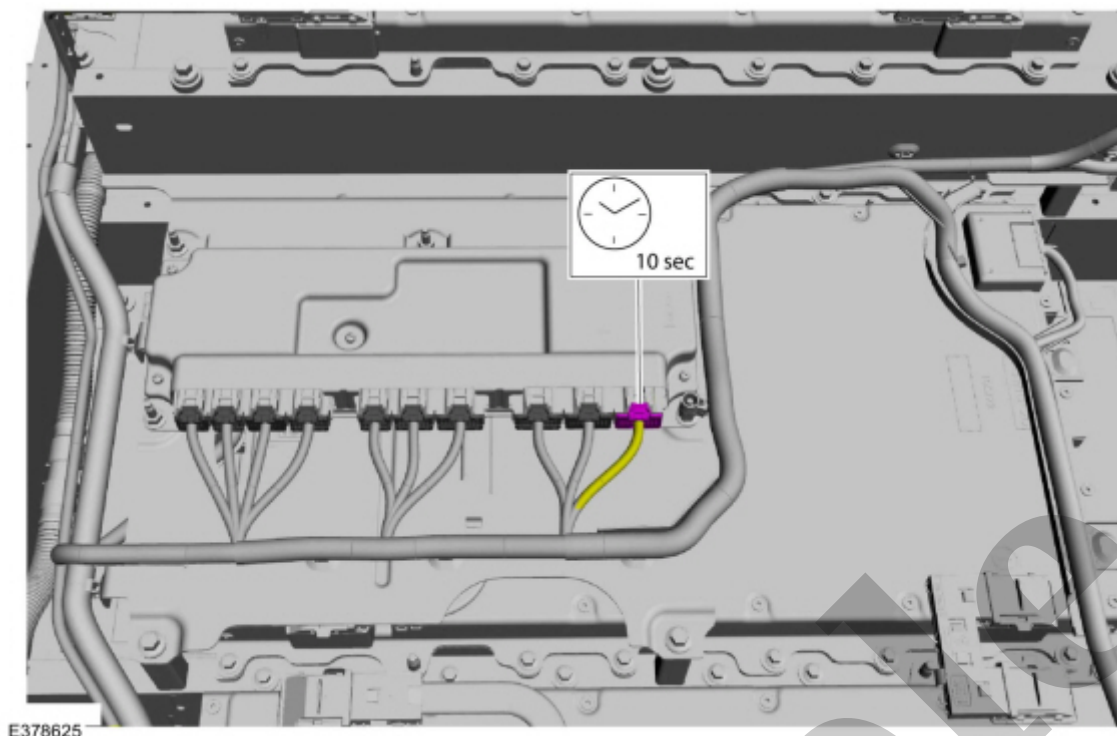
3. Remove the high voltage battery cover.

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

4. **NOTICE**

The BECM electrical connectors must be disconnected in the sequence shown or component damage may occur.

Disconnect the BECM (battery energy control module) electrical connectors in the sequence shown.

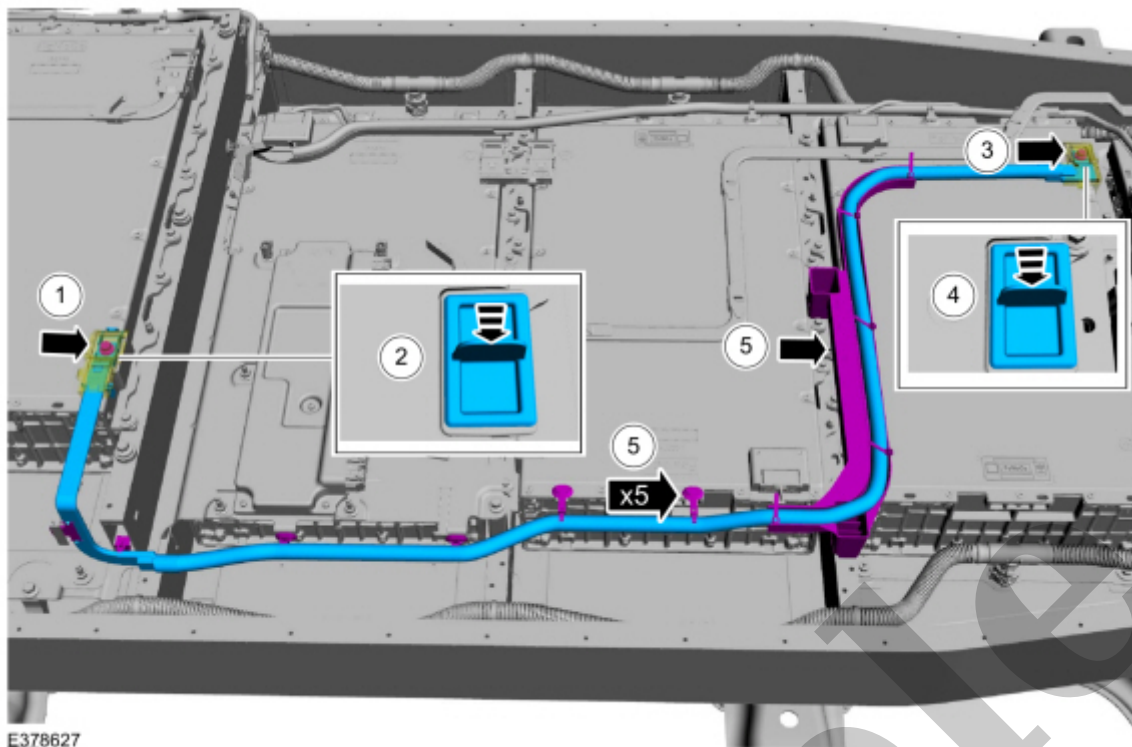


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6. NOTICE

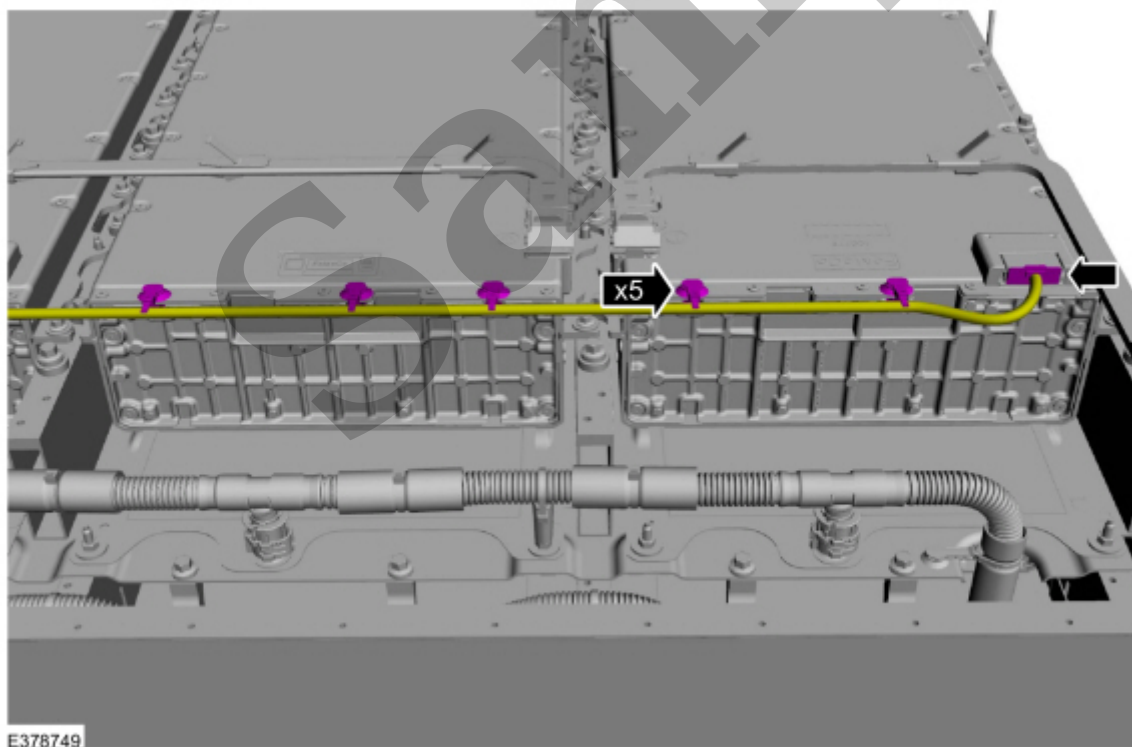
The BECM electrical connectors must be disconnected in the sequence shown or component damage may occur.

Disconnect the BECM (battery energy control module) electrical connectors in the sequence shown.



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



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

11. 1. Open the terminal cover and remove the bus bar bolt.

Torque : 119 lb.in (13.5 Nm)

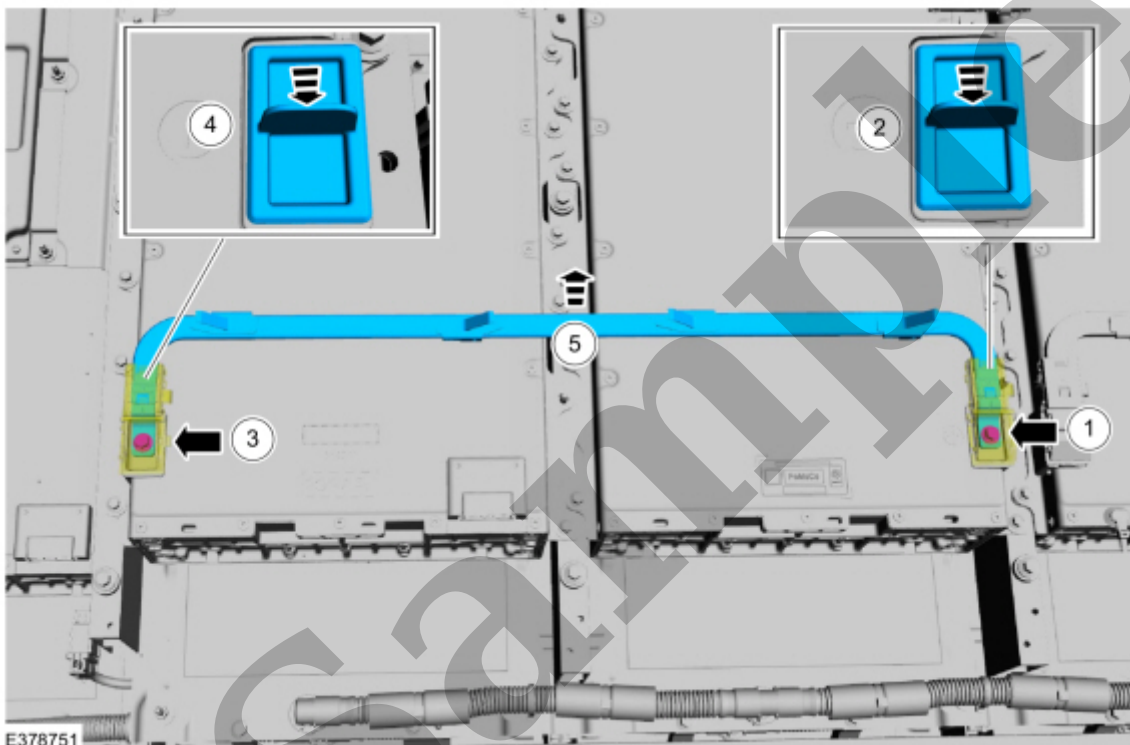
2. Install the battery module terminal cover.

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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12. 1. Open the terminal cover and remove the bus bar bolt.

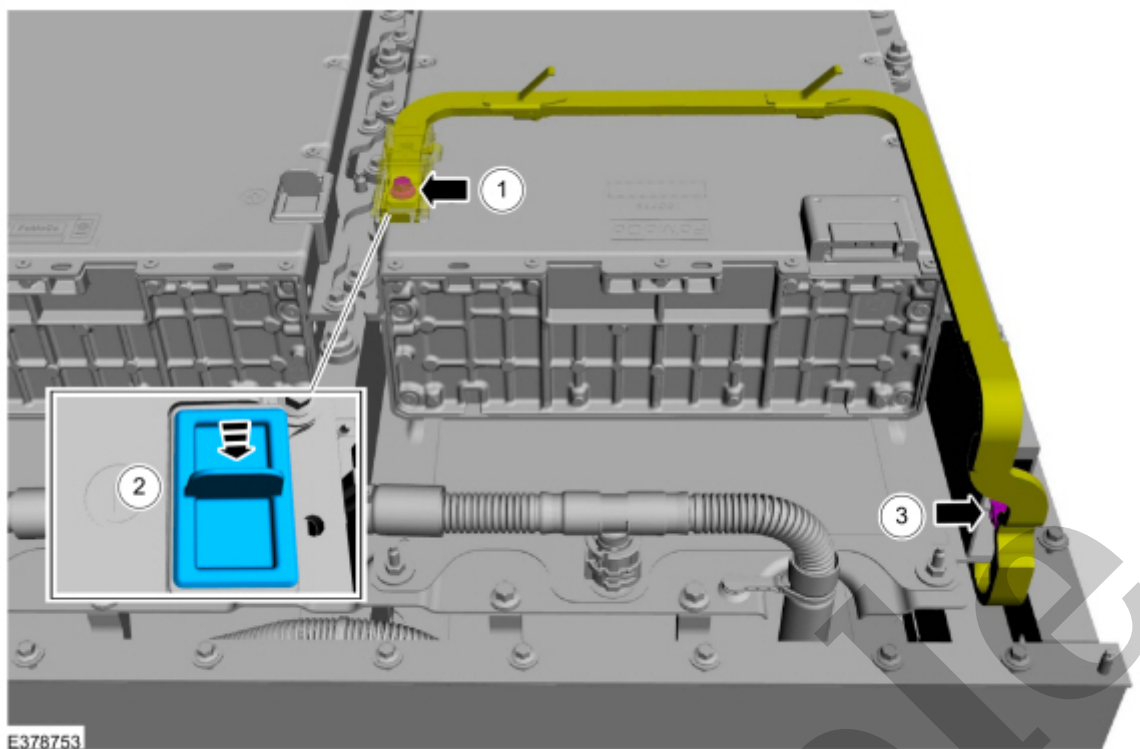
Torque : 119 lb.in (13.5 Nm)

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.

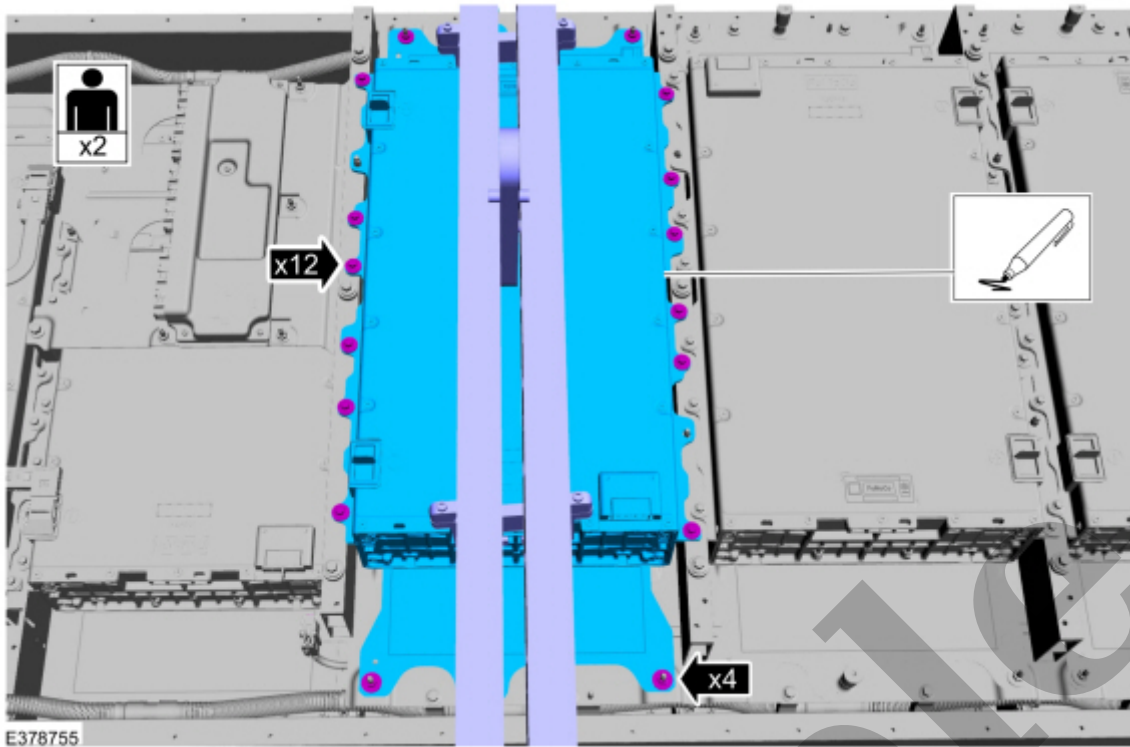


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14. Detach the retainers, release the cooling hose connectors to cooling plates and position the hose aside.



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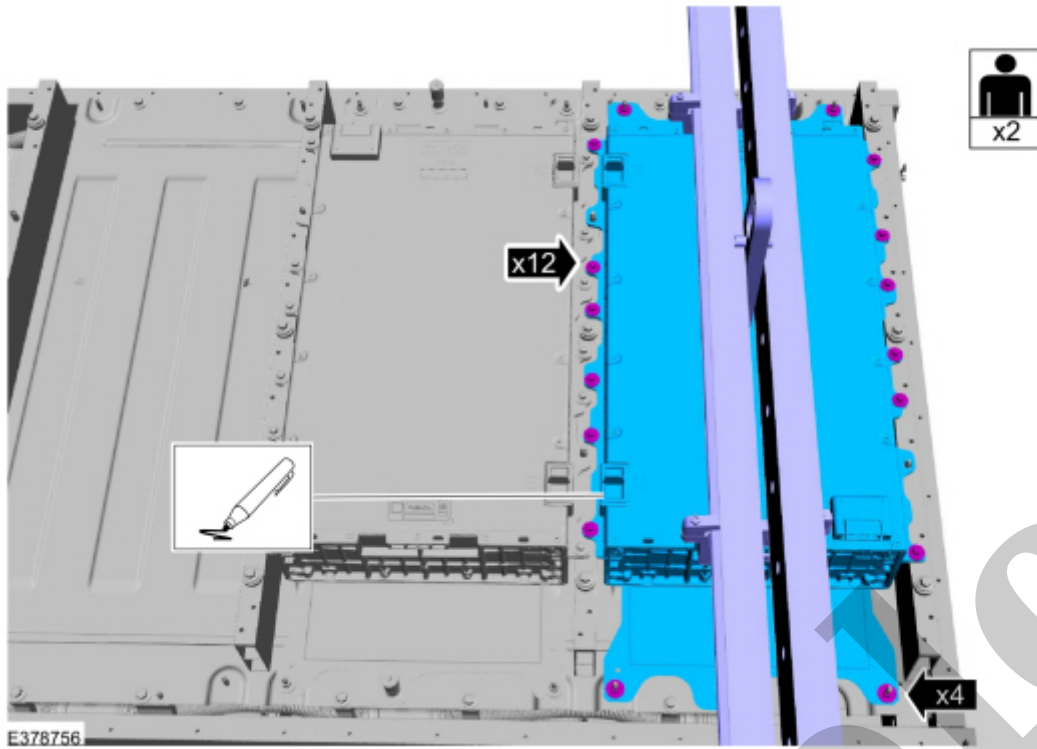
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17. 1. Install the battery array lift adaptors.

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

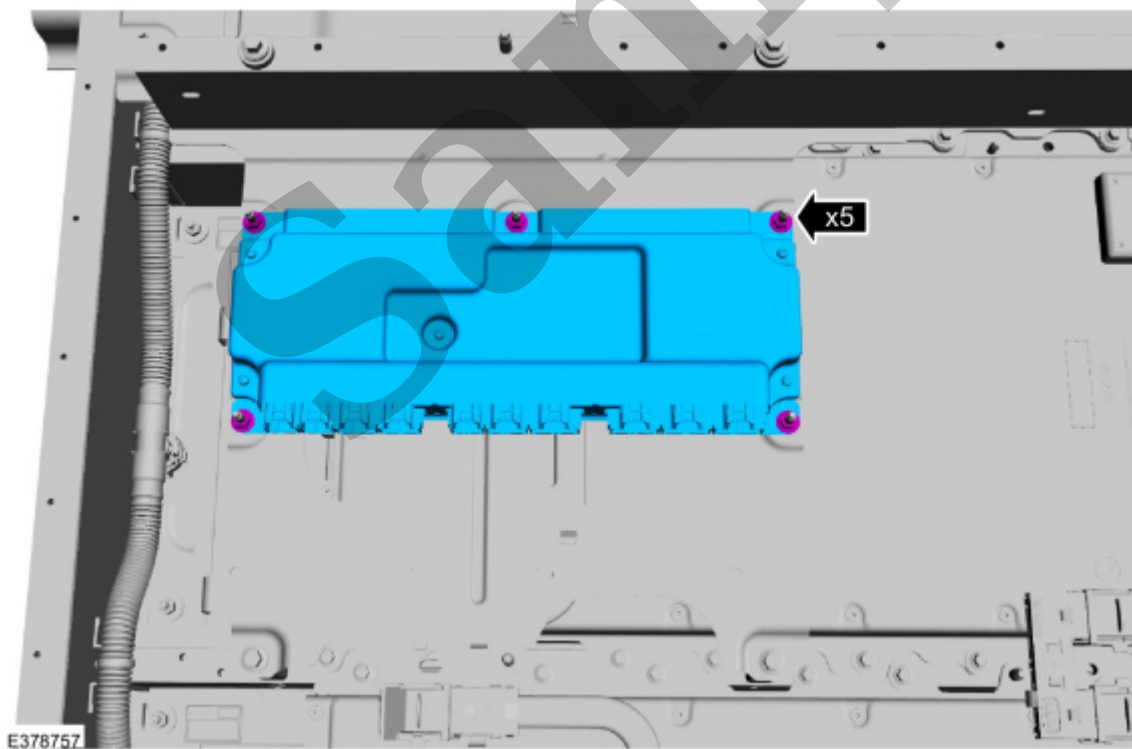
2. Install the battery lift fixture and position the battery array lift adaptors to the lift fixture and secure.

Use Special Service Tool : 414-016 Battery Lift Fixture

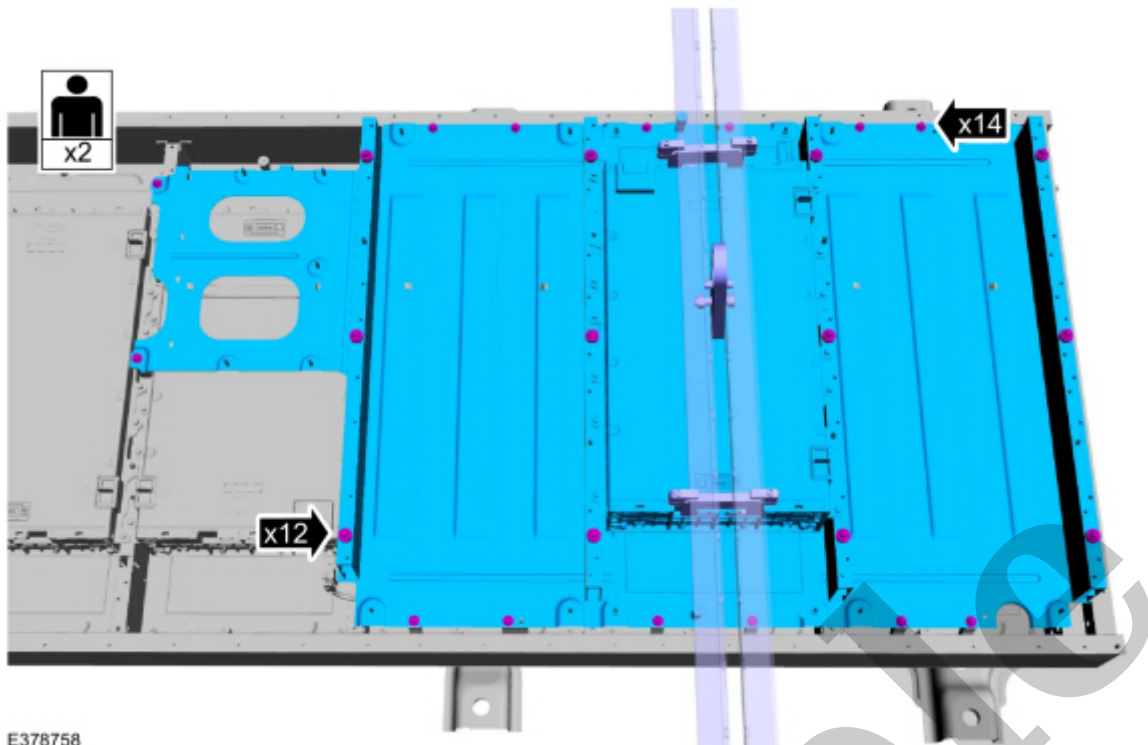


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19. Remove the nuts and the BECM (battery energy control module) .



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



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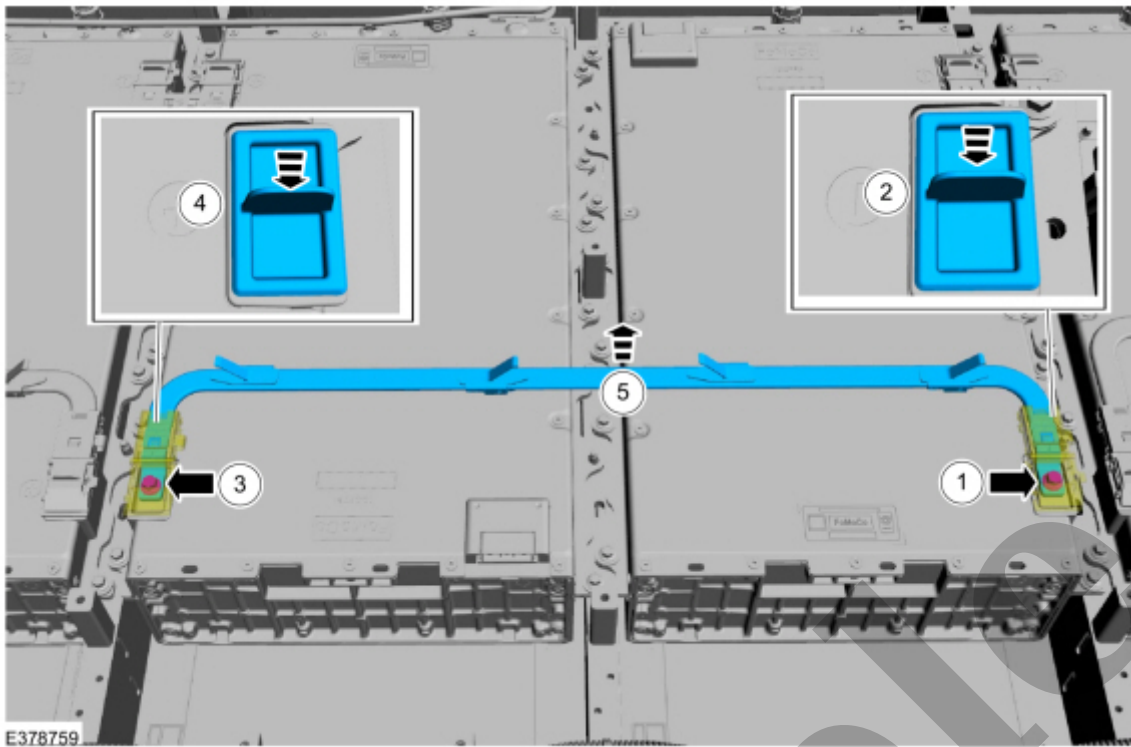
22. Detach the electrical retainers, disconnect and remove the harness.



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23. Detach the electrical retainer, disconnect and position the harness aside.



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

25. 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.