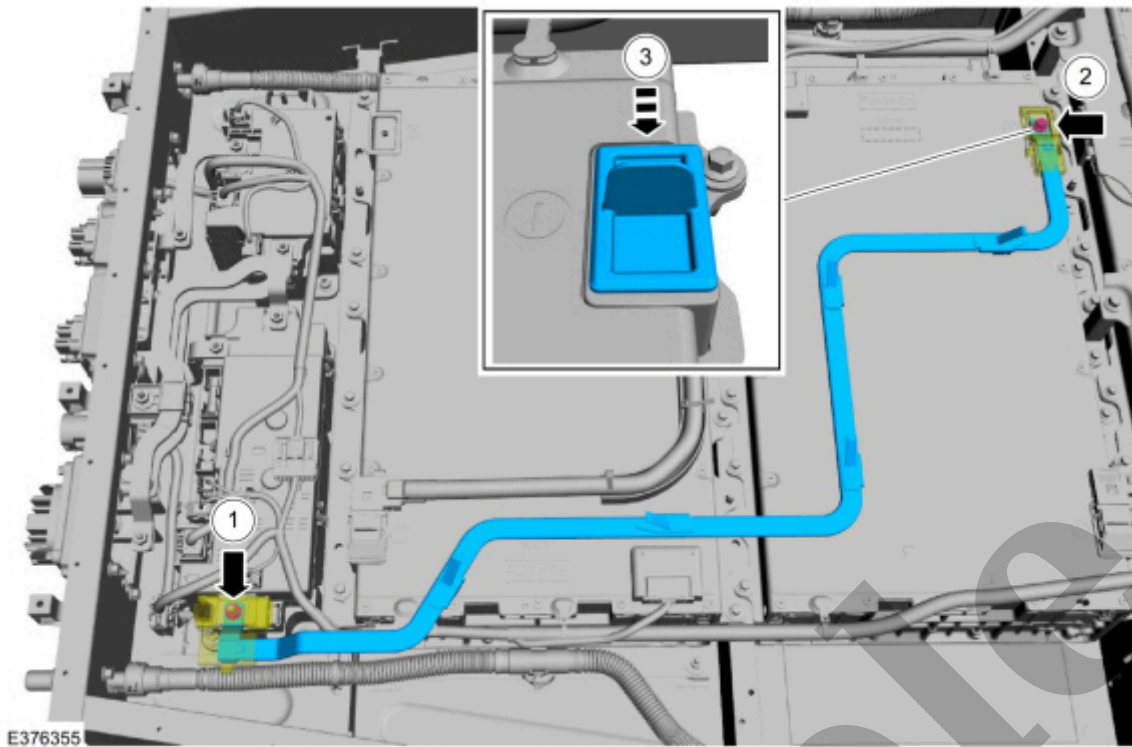


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## 2012 FORD Ka OEM Service and Repair Workshop Manual

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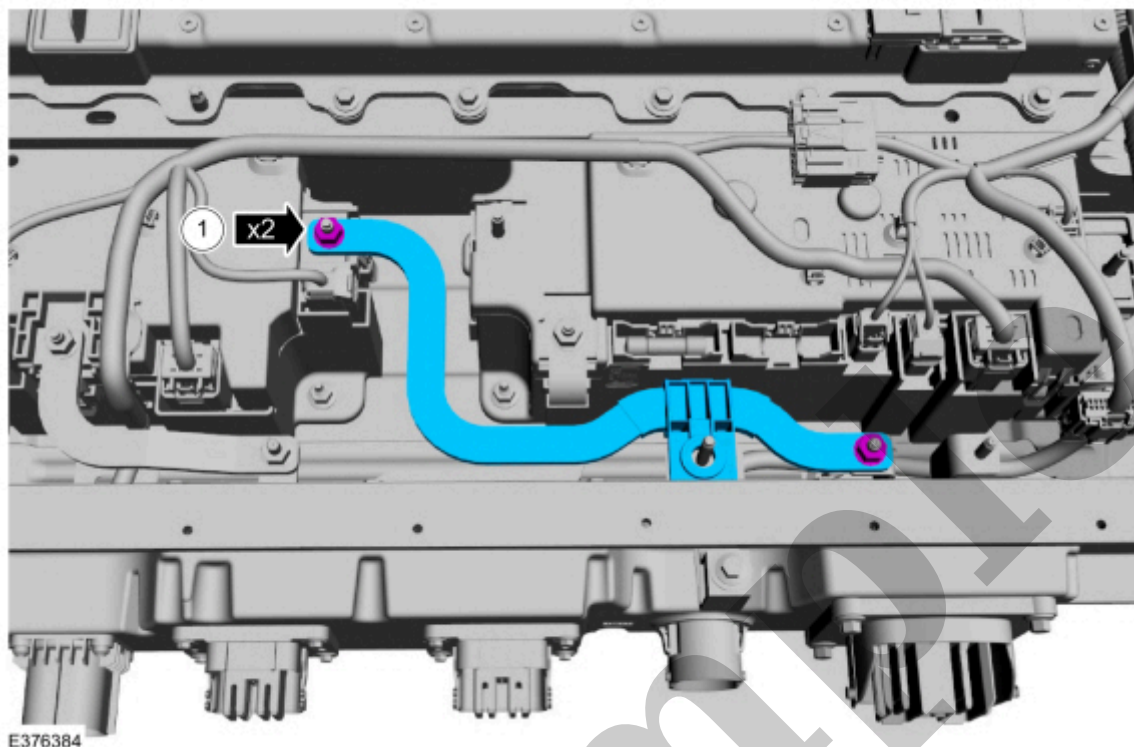
### Extended Range Batteries

6. 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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8. 1. Remove the nuts and the bus bar.

**Torque** : 106 lb.in (12 Nm)

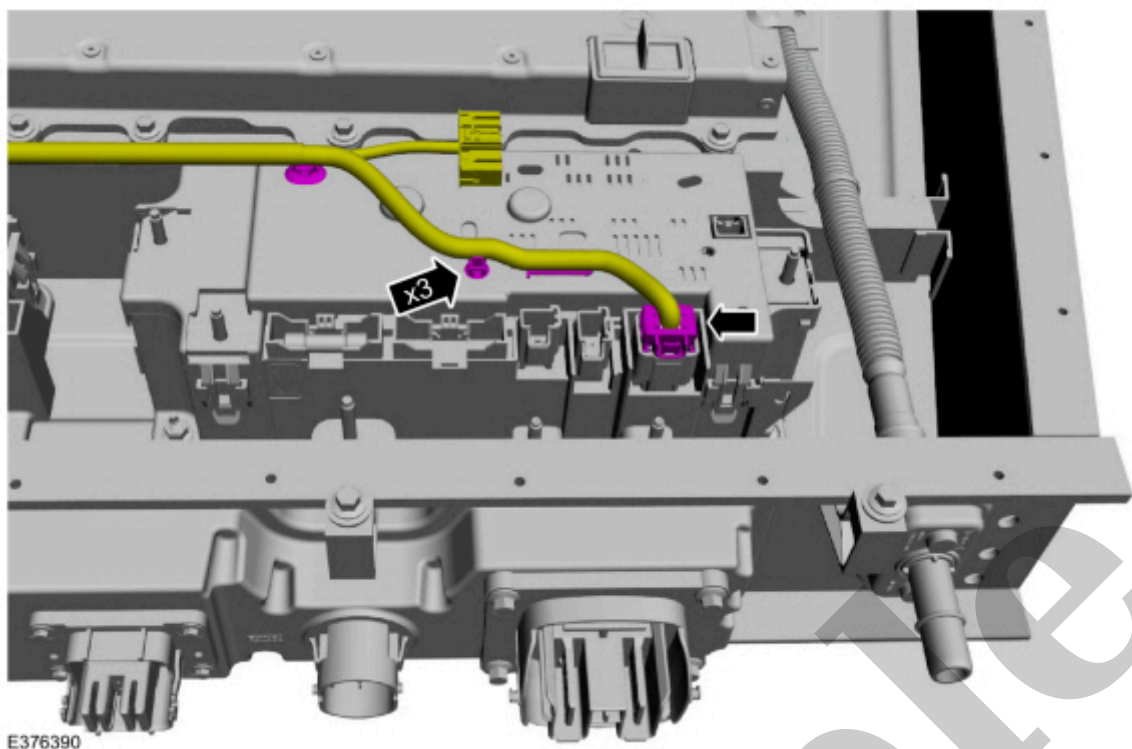


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9. 1. Remove the HVB (High Voltage Battery) junction box terminal nut.

**Torque** : 106 lb.in (12 Nm)

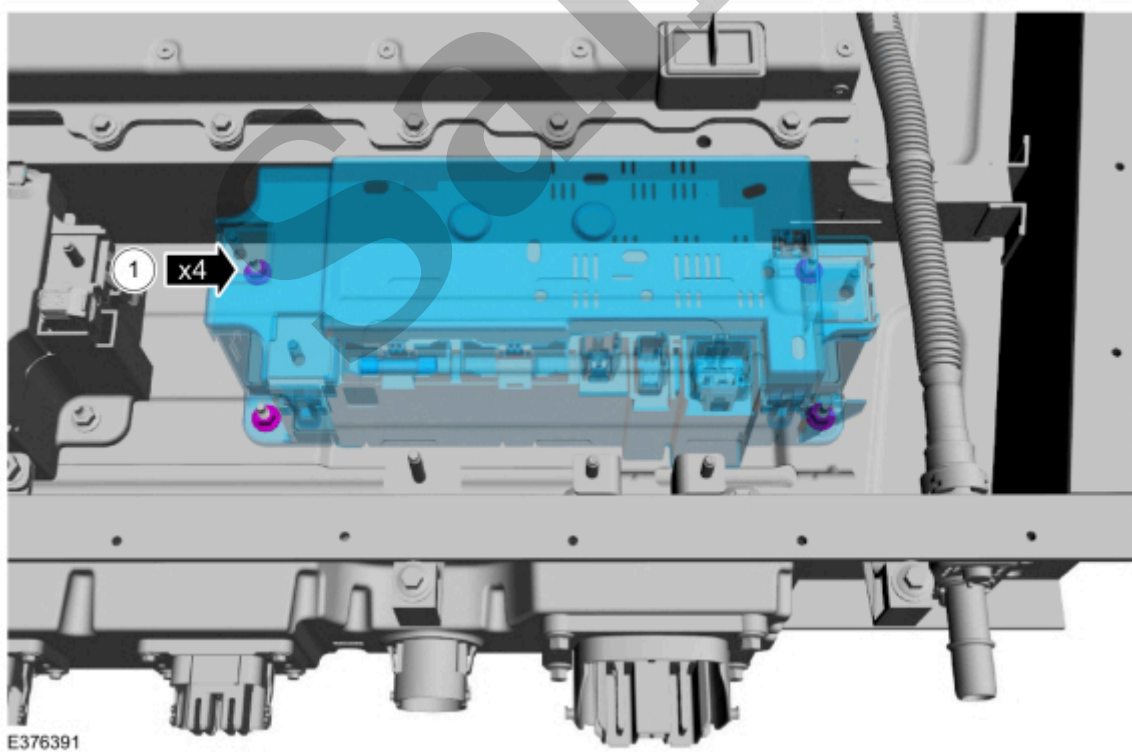
2. Position the bus bar from the HVB (High Voltage Battery) junction box terminal.



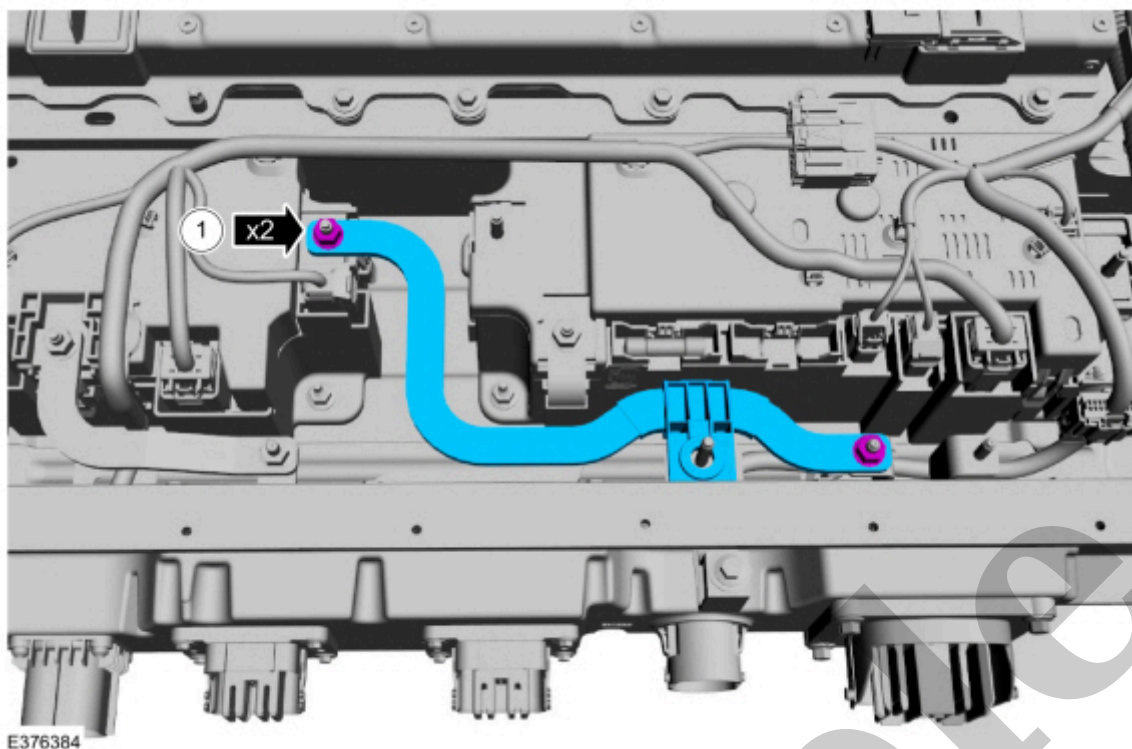
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12. 1. Remove the nuts and the negative HVB (High Voltage Battery) junction box.

***Torque*** : 119 lb.in (13.5 Nm)



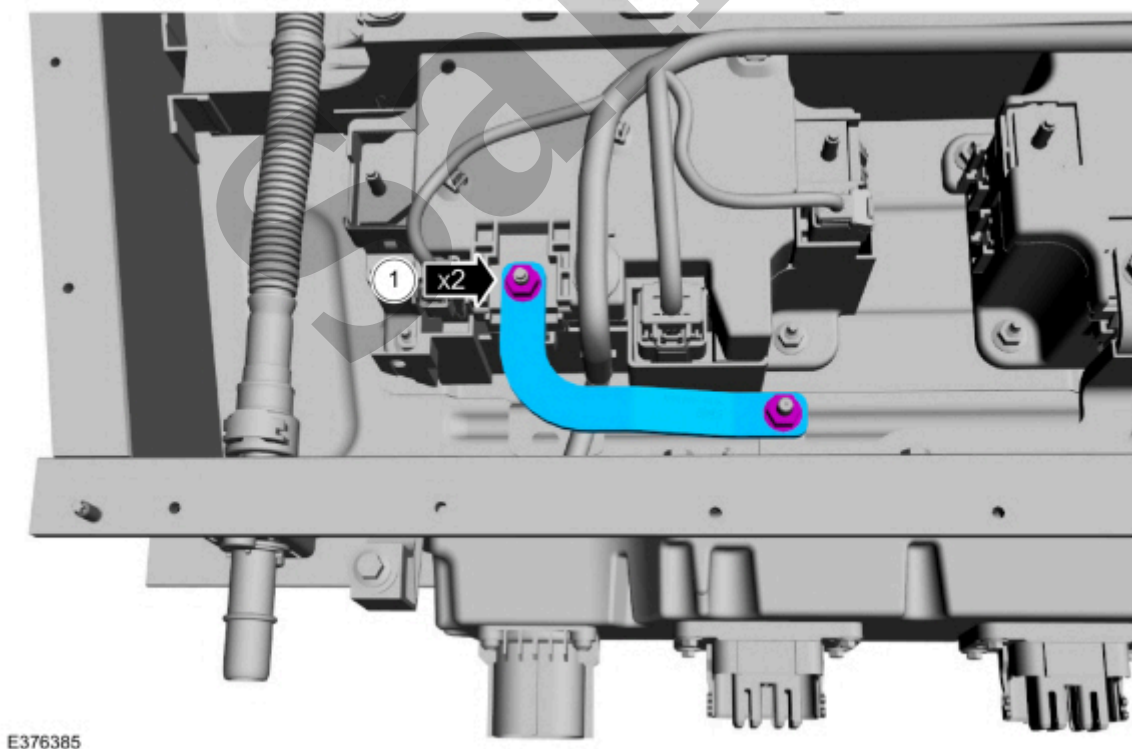
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15. 1. Remove the nuts and the bus bar.

**Torque** : 106 lb.in (12 Nm)



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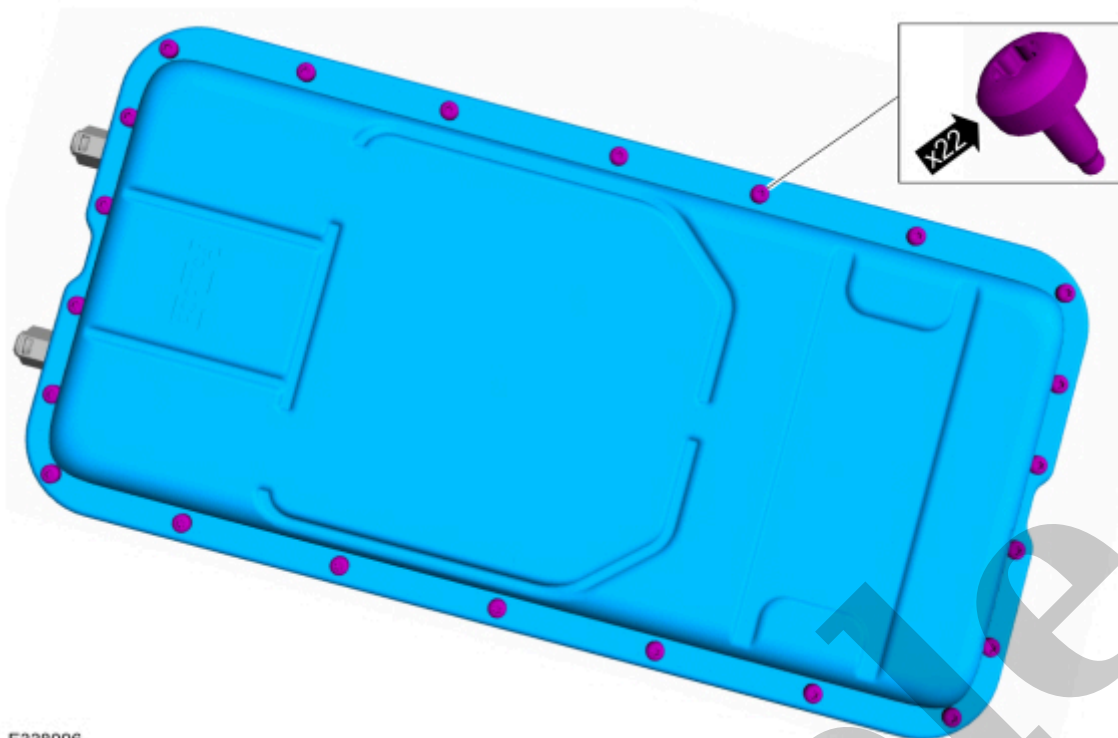
## **Installation**

1. To install, reverse the removal procedure.

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Sample

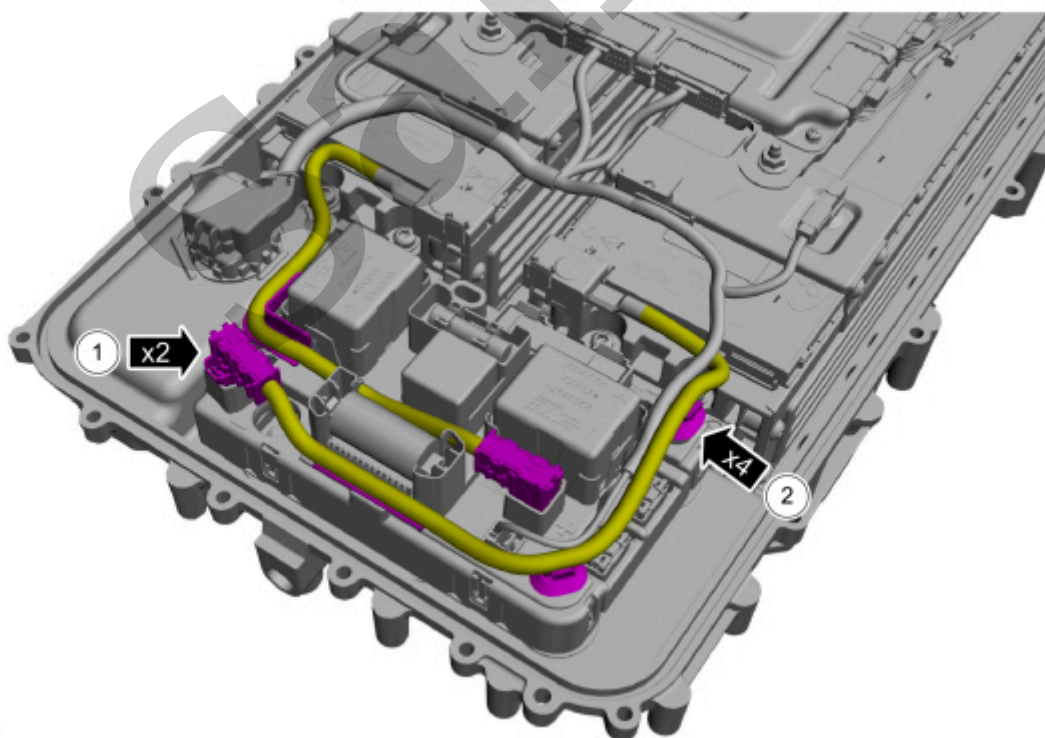




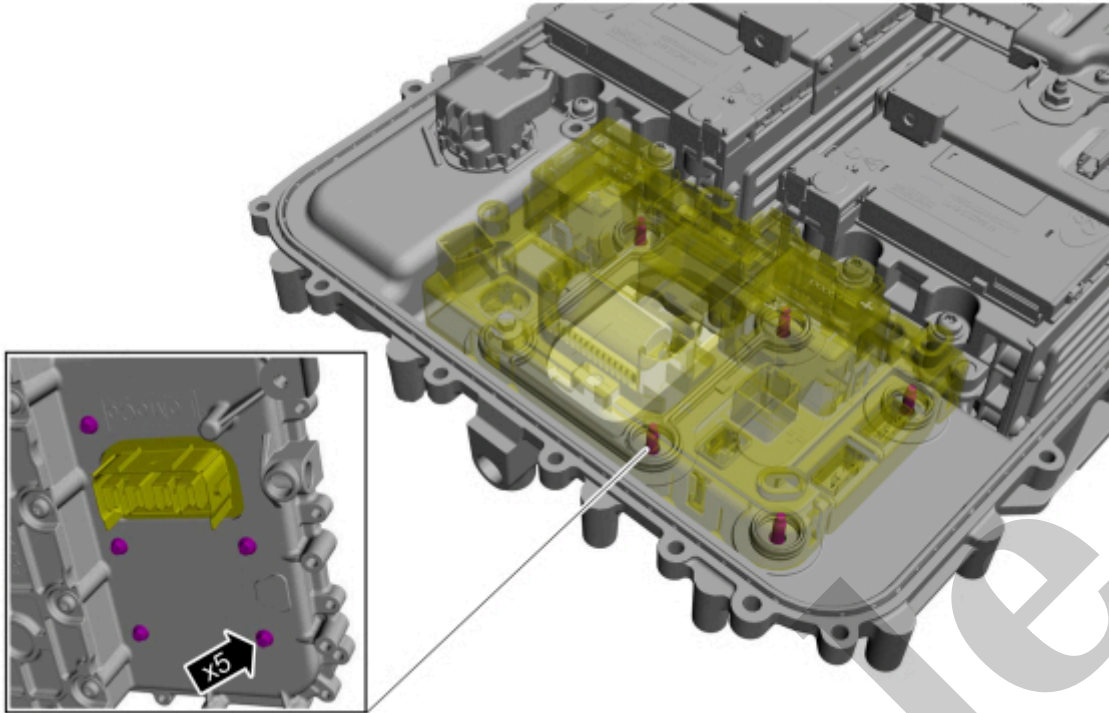
E338096

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4.
  1. Disconnect the electrical connectors from the high voltage battery junction box.
  2. Detach the retainers and position the wire harness aside.



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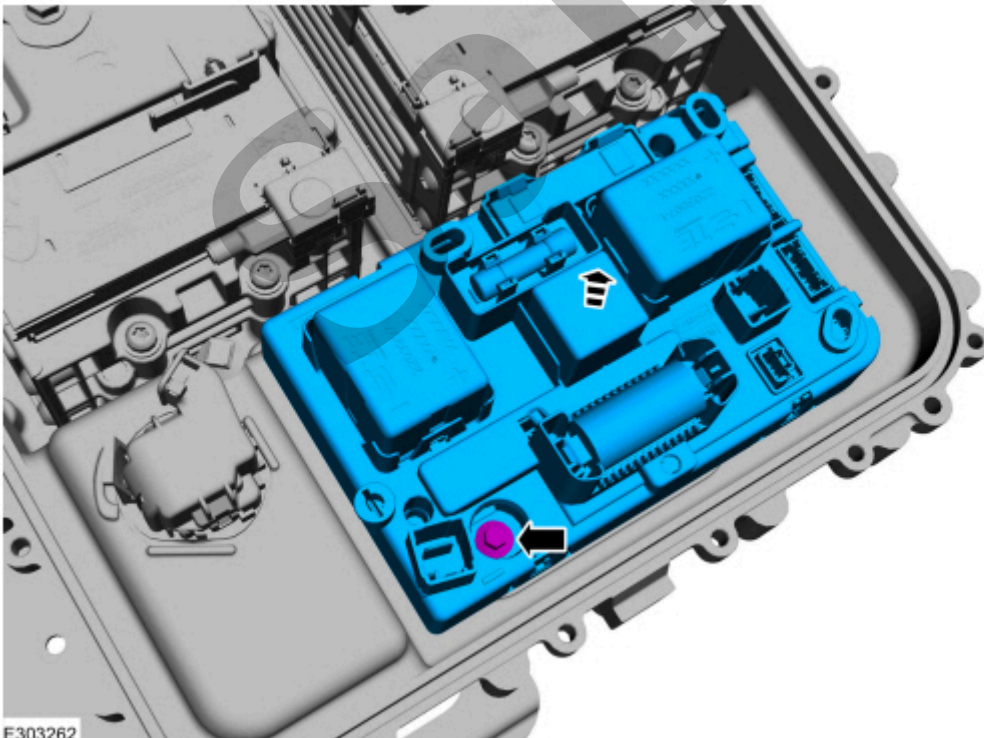


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7. Remove the bolt and the high voltage battery junction box.

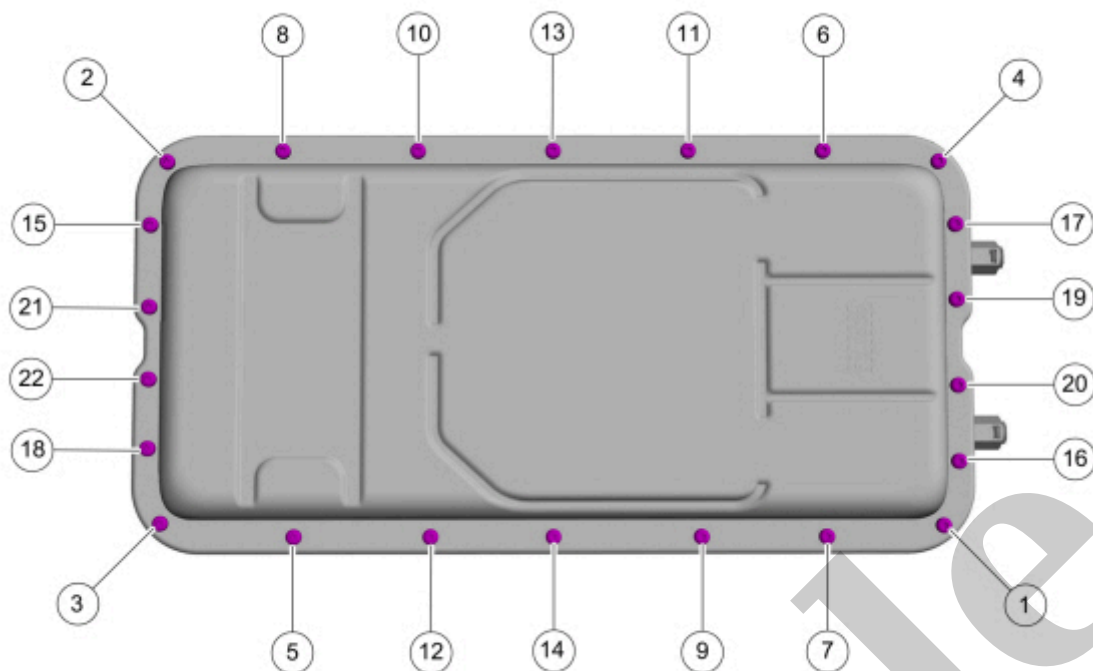
**Torque** : 62 lb.in (7 Nm)



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4. Install the high voltage battery.

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

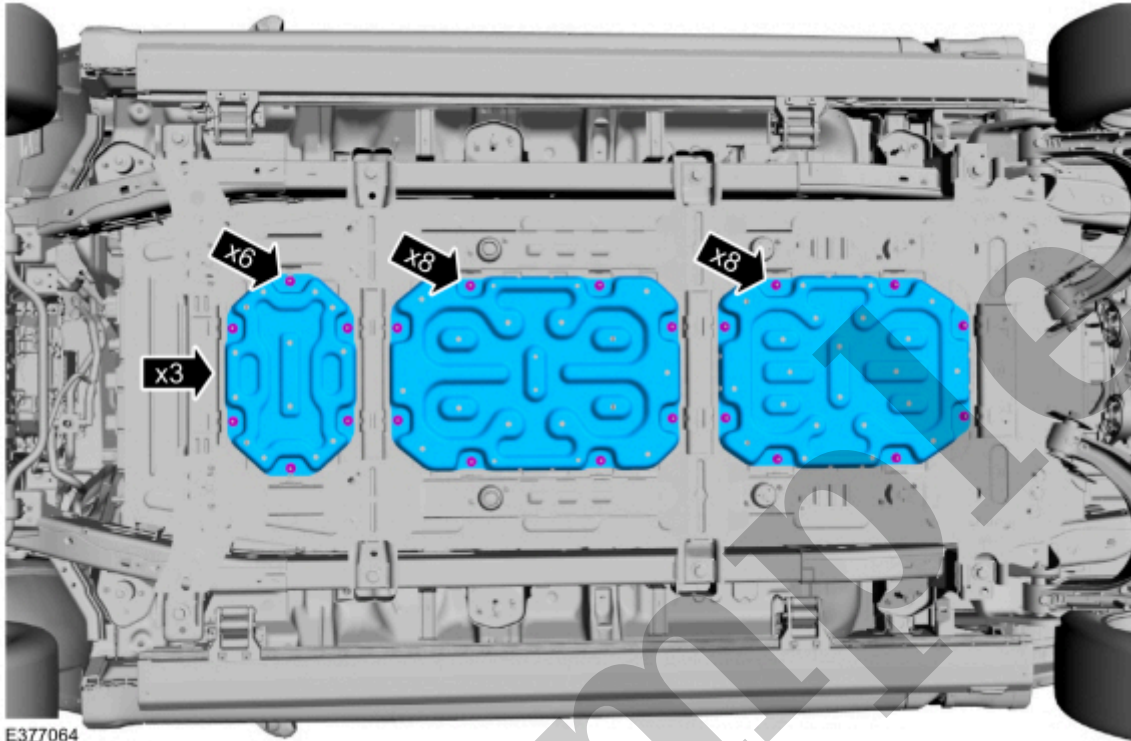
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Refer to: [Jacking and Lifting - Overview](#)(100-02 Jacking and Lifting, Description and Operation).

### High Voltage Battery Underbody Shields

3. Remove the nuts and the HVB (High Voltage Battery) underbody shields.

**Torque** : 22 lb.ft (30 Nm)



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### High Voltage Battery Subframe Assembly

4. De-energize the high voltage system.

Refer to: [High Voltage System De-energizing - Full Hybrid Electric Vehicle \(FHEV\)](#)(414-03A High Voltage Battery, Mounting and Cables, General Procedures).

5. Disconnect the battery negative terminal.

Refer to: [Battery Disconnect and Connect](#)(414-01 Battery, Mounting and Cables, General Procedures).

6. Remove the pushpins and the underbody side covers.