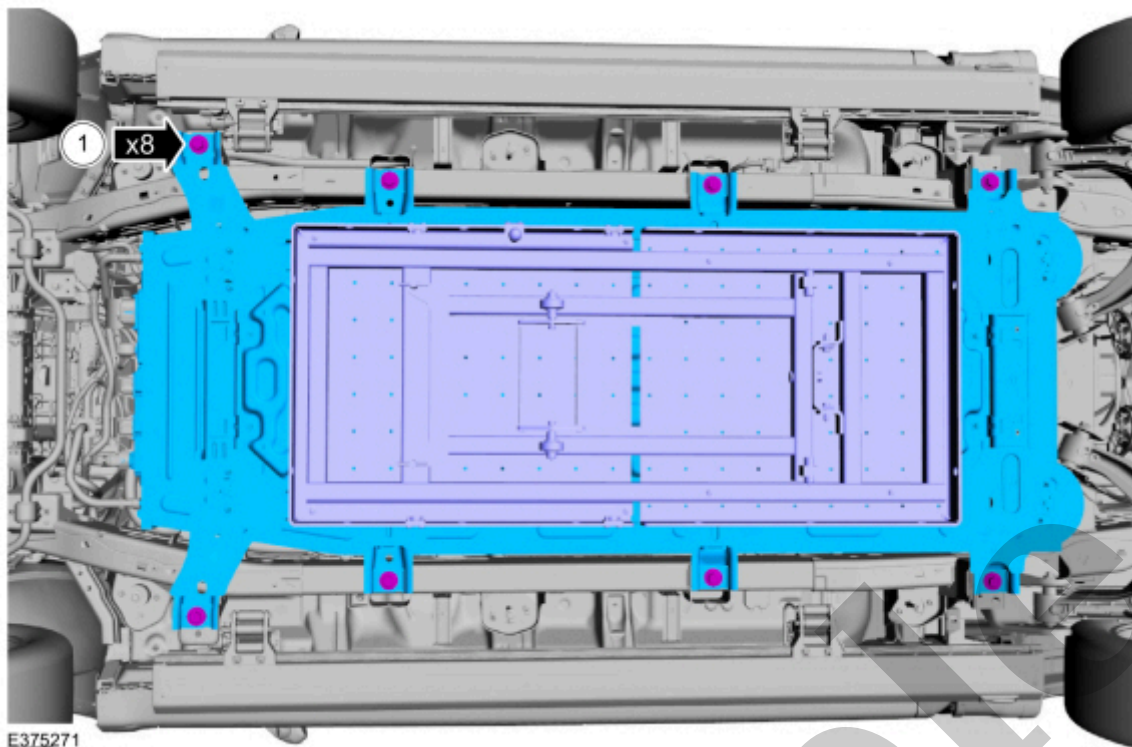


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1997 FORD Ka OEM Service and Repair Workshop Manual

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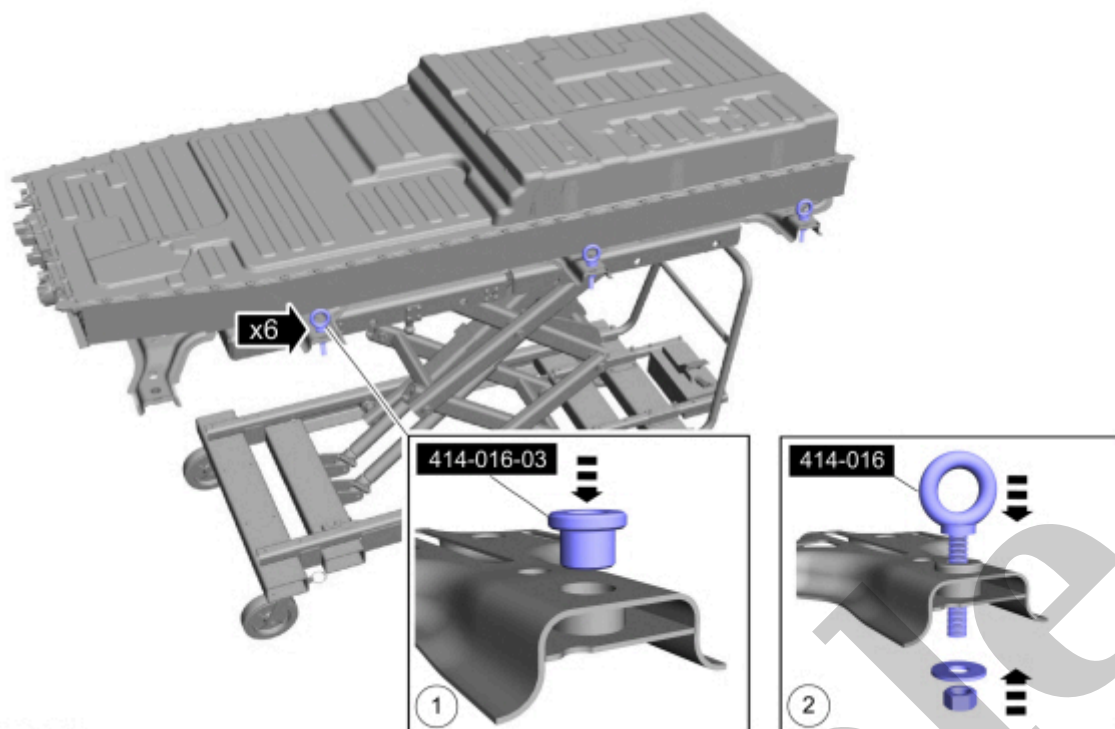


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18. NOTICE

Be careful not to damage the electrical connectors when lowering the high voltage battery.

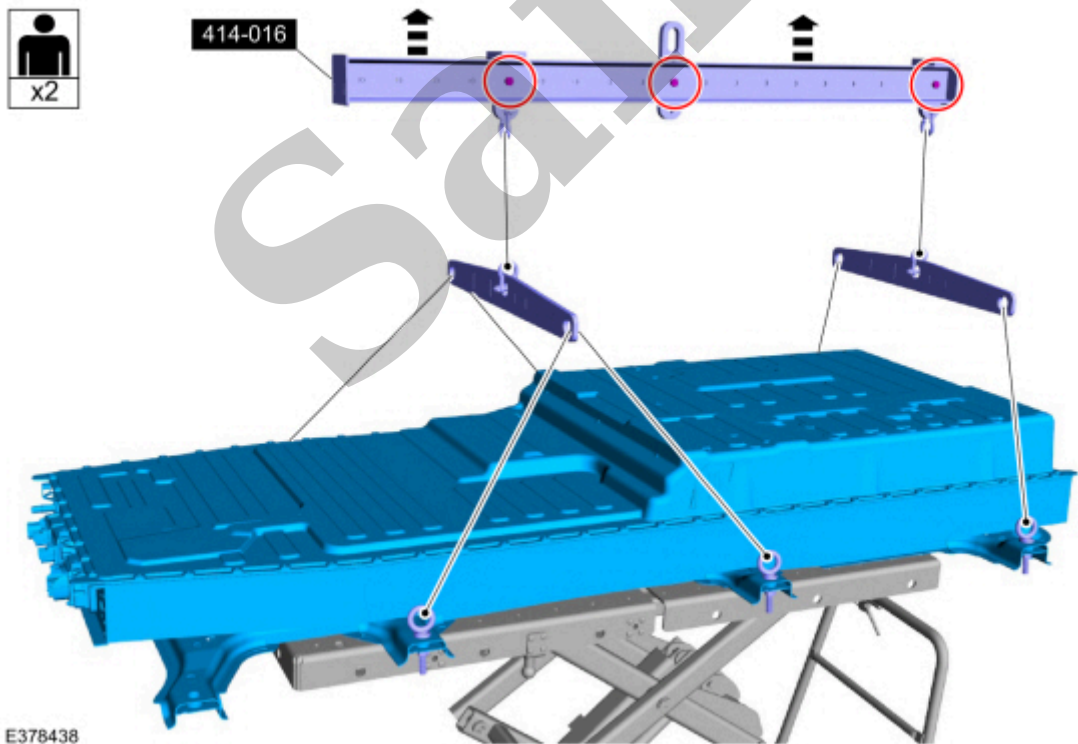
With the aid of an assistant, remove the HVB (High Voltage Battery) .



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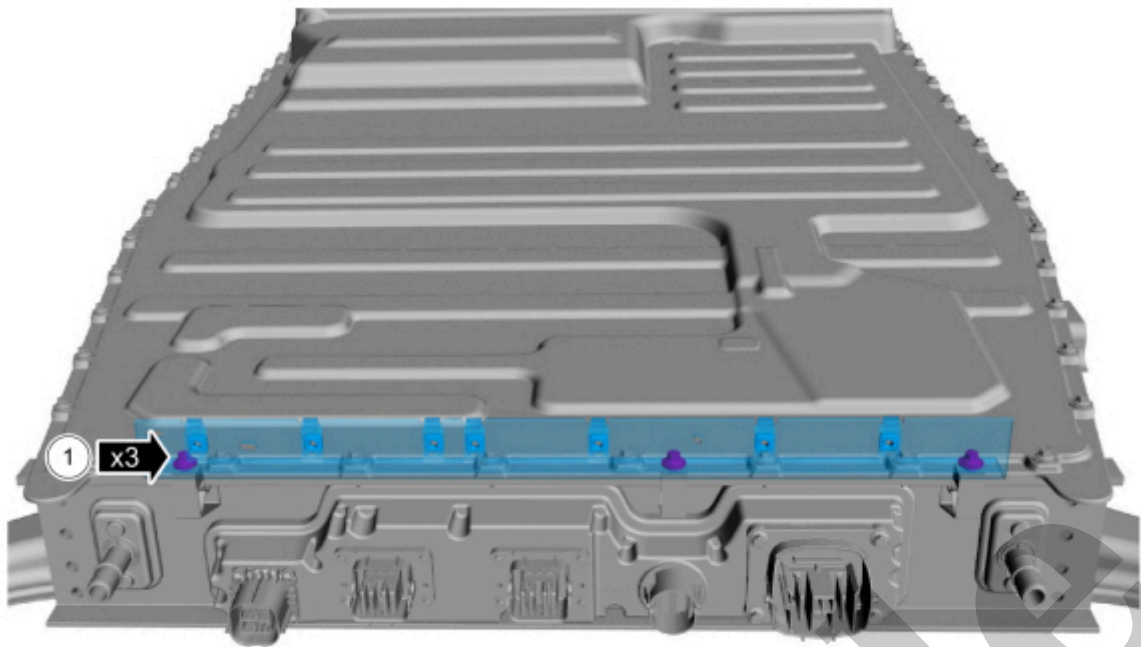
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20. Attach the battery lift fixture and with the aid of an assistant, position the HVB (High Voltage Battery) aside.



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23. Refer to: [High Voltage Battery Handling - Electric](#) (414-03A High Voltage Battery, Mounting and Cables, General Procedures).

Installation

1. To install, reverse the removal procedure, except for the step below.

2. NOTICE

The charge port connector channels must be cleaned and free of debris. Any debris in the channels may cause an improper connection to the high voltage battery connector.

1. Inspect the charge port electrical connector channels for debris. Apply SNOOP solution to the charge port electrical connector channels and using a scribe, carefully remove any dirt or debris from the electrical connector channels. Blow any dirt or debris from the electrical connector with compressed air and dry with a clean lint free cloth.

Calibration files can be obtained at www.motorcraft.com

If replacing the high voltage battery, use the diagnostic scan tool and start a new vehicle session. Reprogram the PCM (powertrain control module) using the latest FDRS (Ford Diagnosis and Repair System) software release.

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Sample

2. **NOTE**

This step is only necessary when installing a new component.

NOTE

Use the previous FDRS vehicle session or start a session manually by entering the VIN.

Download the BECM (battery energy control module) information to the diagnostic tool using the Programmable Modules Installation routine.

Refer to: [Module Programming](#)(418-01A Module Configuration, General Procedures).

3. 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).

4. Disconnect the battery negative terminal(s).

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

5. Remove the rear driveshaft.

Refer to: [Rear Driveshaft](#)(205-01 Driveshaft, Removal and Installation).

6. Remove the muffler inlet pipe.

Refer to: [Muffler Inlet Pipe](#)(309-00D Exhaust System - 3.5L V6 PowerBoost (CN), Removal and Installation).

7. Remove the fuel tank.

Refer to: [Fuel Tank](#)(310-01D Fuel Tank and Lines - 3.5L V6 PowerBoost (CN), Removal and Installation).

8. 1. Remove the bolts and the exhaust heat shield.

Torque : 18 lb.ft (25 Nm)

10. **NOTICE**

Before disconnecting the high voltage battery electrical connector, the electrical connector must be cleaned with and a nylon brush and free of debris. Blow any dirt or debris from the electrical connector with compressed air before disconnecting or component damage may occur.

1. Clean the high voltage battery electrical connector with a nylon brush. Blow any dirt or debris from the electrical connector with compressed air.

2. **NOTE**

To aid in disconnecting the high voltage battery electrical connector, gently pull the base of the connector while releasing the lock lever.

Release the lock lever and disconnect the high voltage battery electrical connector.

3. **NOTE**

To aid in disconnecting the high voltage battery electrical connector, gently pull the base of the connector while releasing the lock lever.

Remove the ground terminal bolt from the high voltage battery.

Torque : 119 lb.in (13.5 Nm)

12. NOTICE

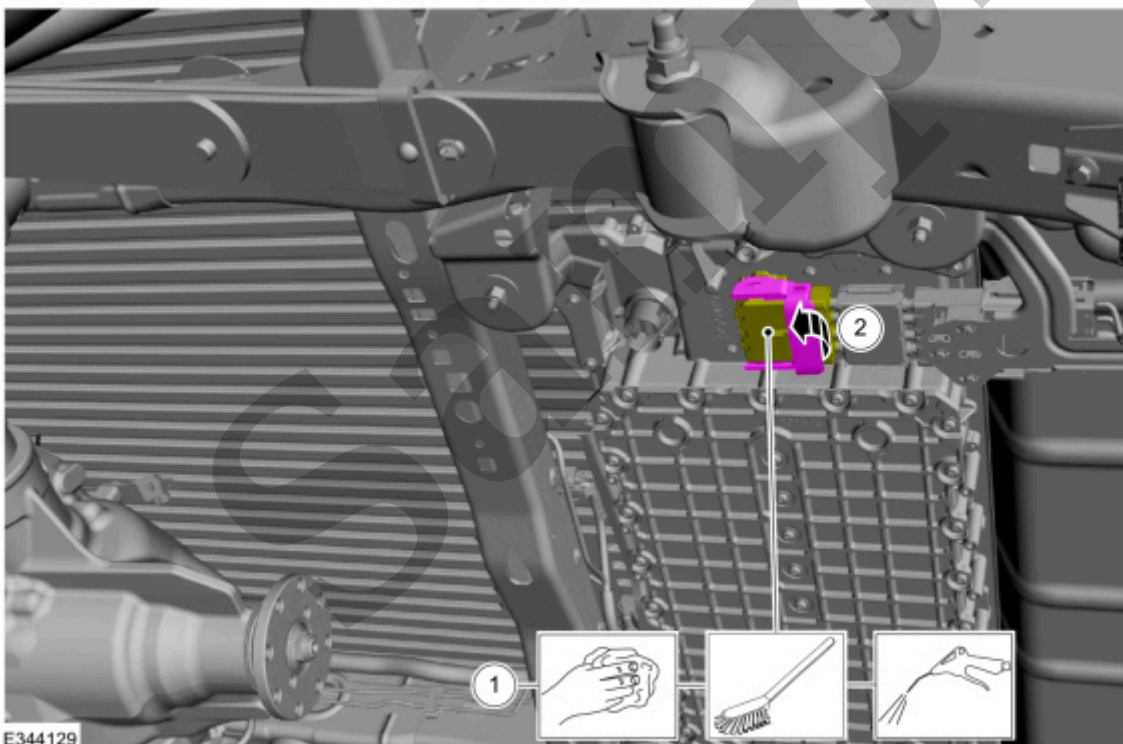
Before disconnecting the high voltage battery electrical connector, the electrical connector must be cleaned with and a nylon brush and free of debris. Blow any dirt or debris from the electrical connector with compressed air before disconnecting or component damage may occur.

1. Clean the high voltage battery electrical connector with a nylon brush. Blow any dirt or debris from the electrical connector with compressed air.

2. NOTE

To aid in disconnecting the high voltage battery electrical connector, gently pull the base of the connector while releasing the lock lever.

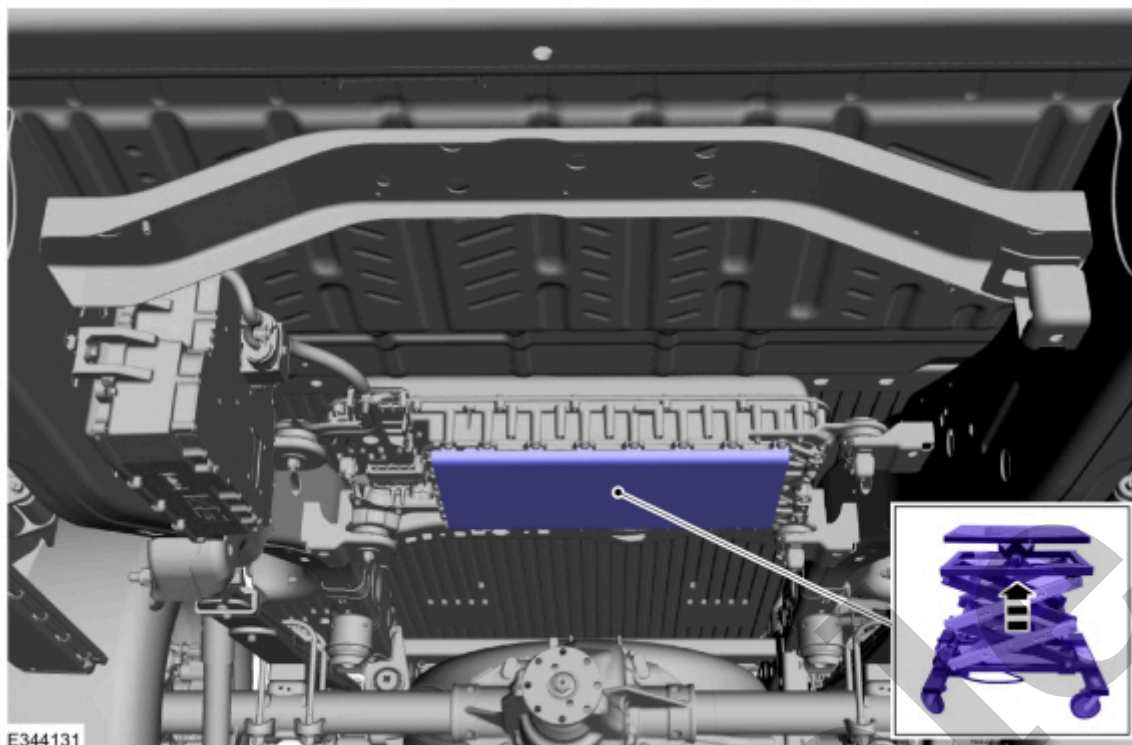
Release the lock lever and disconnect the high voltage battery electrical connector.



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13. 1. Remove the high voltage battery mounting bolts.

Torque : 46 lb.ft (62.5 Nm)



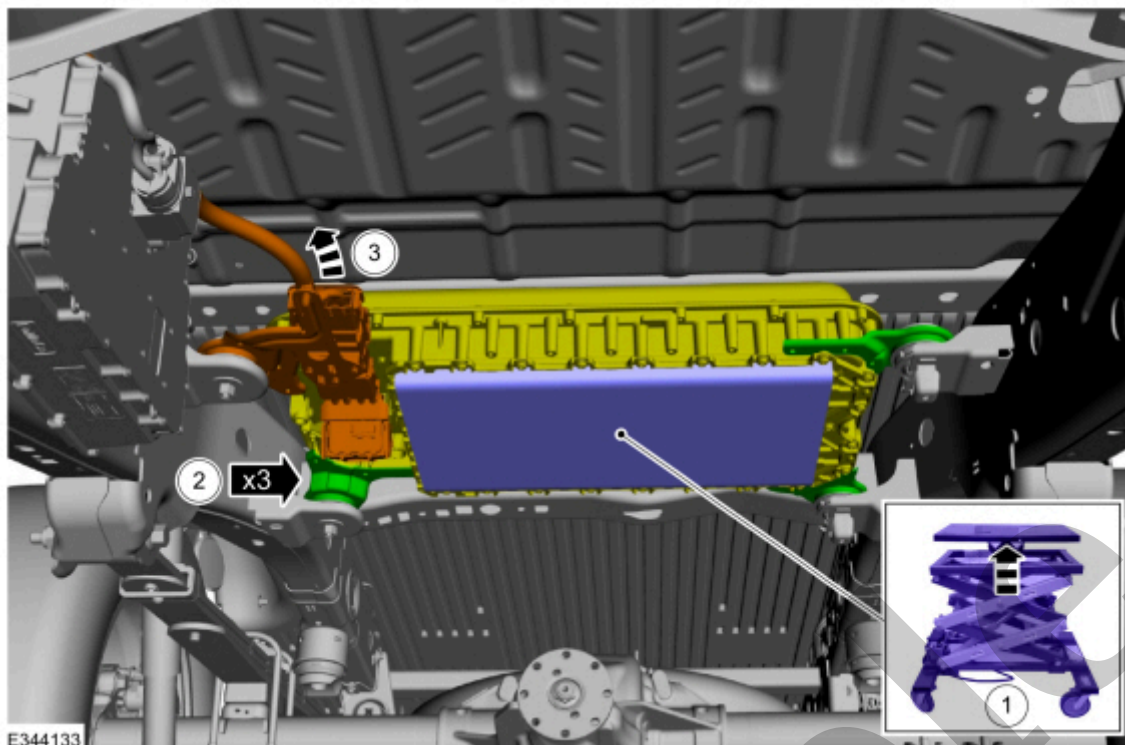
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15. 1. Remove and discard the high voltage battery mounting bracket bolts.

Torque :

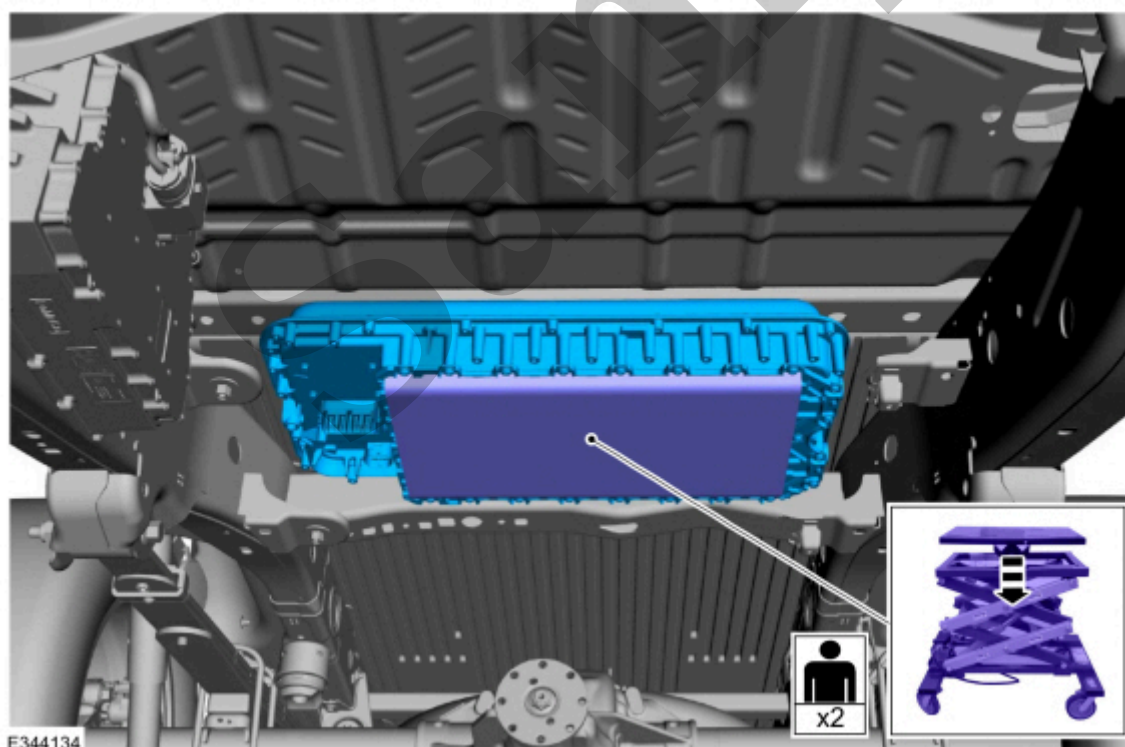
Stage 1: 80 lb.in (9 Nm)

Stage 2: 75°



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17. With the aid of an assistant, remove the high voltage battery.



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18. Record the high voltage battery's serial number.