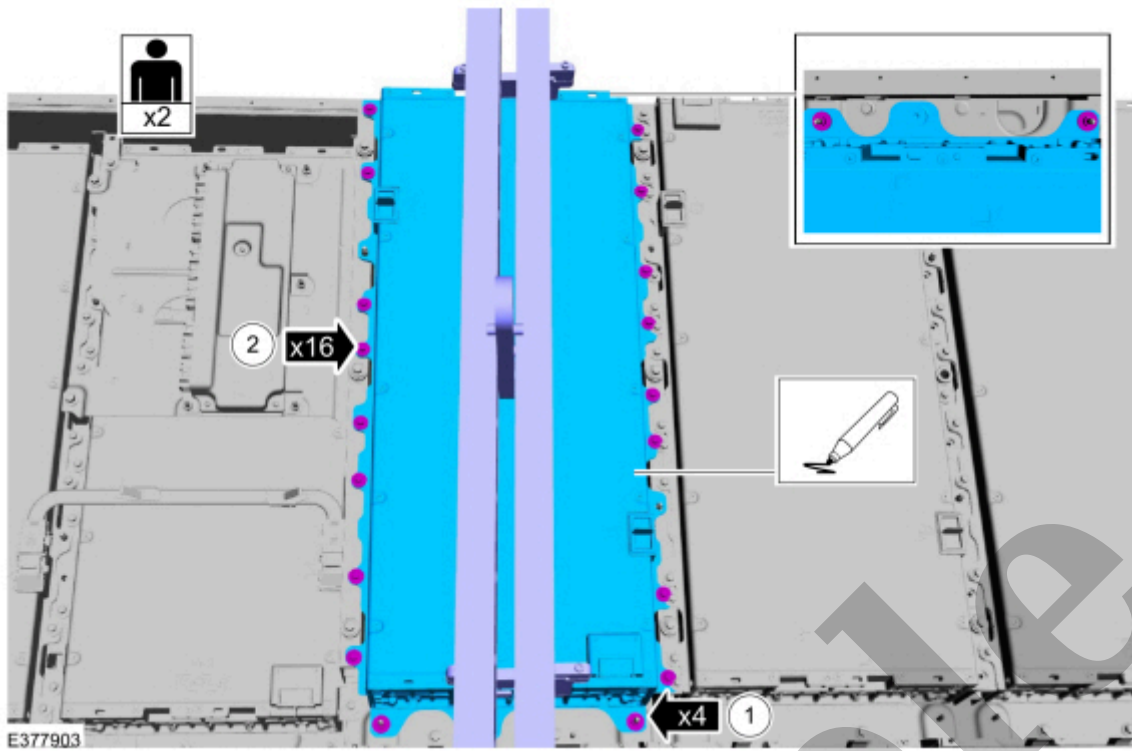


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2002 FORD Ka OEM Service and Repair Workshop Manual

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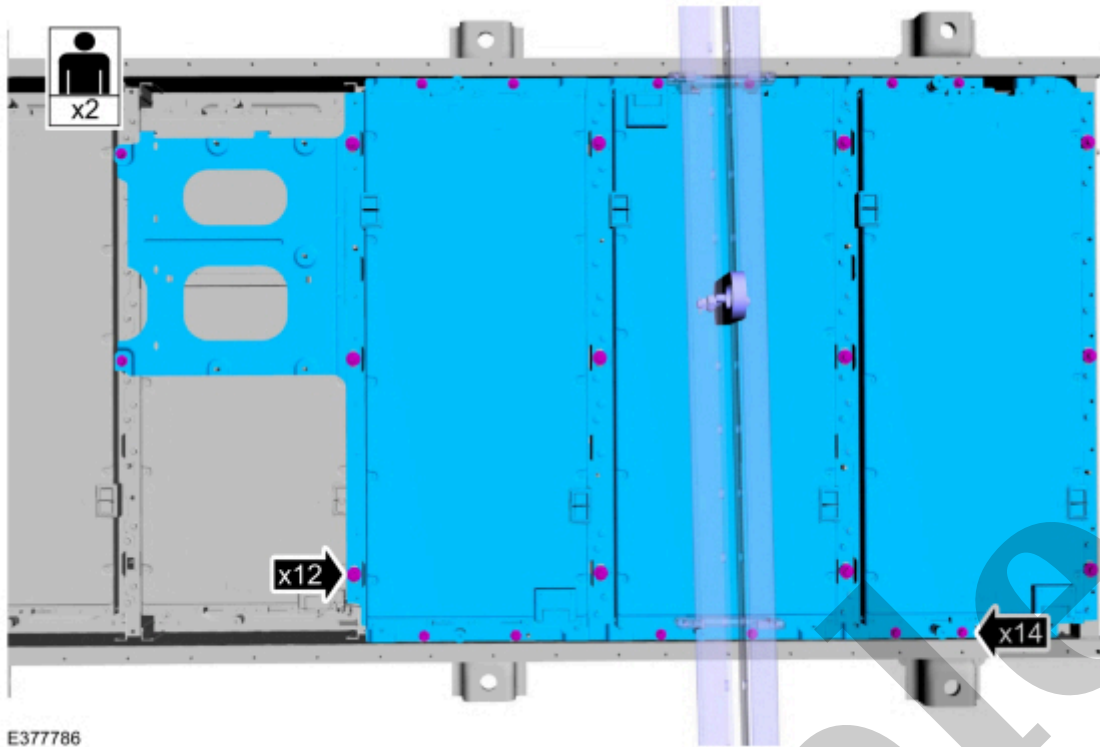
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19. 1. Install the battery array lift adaptors.

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

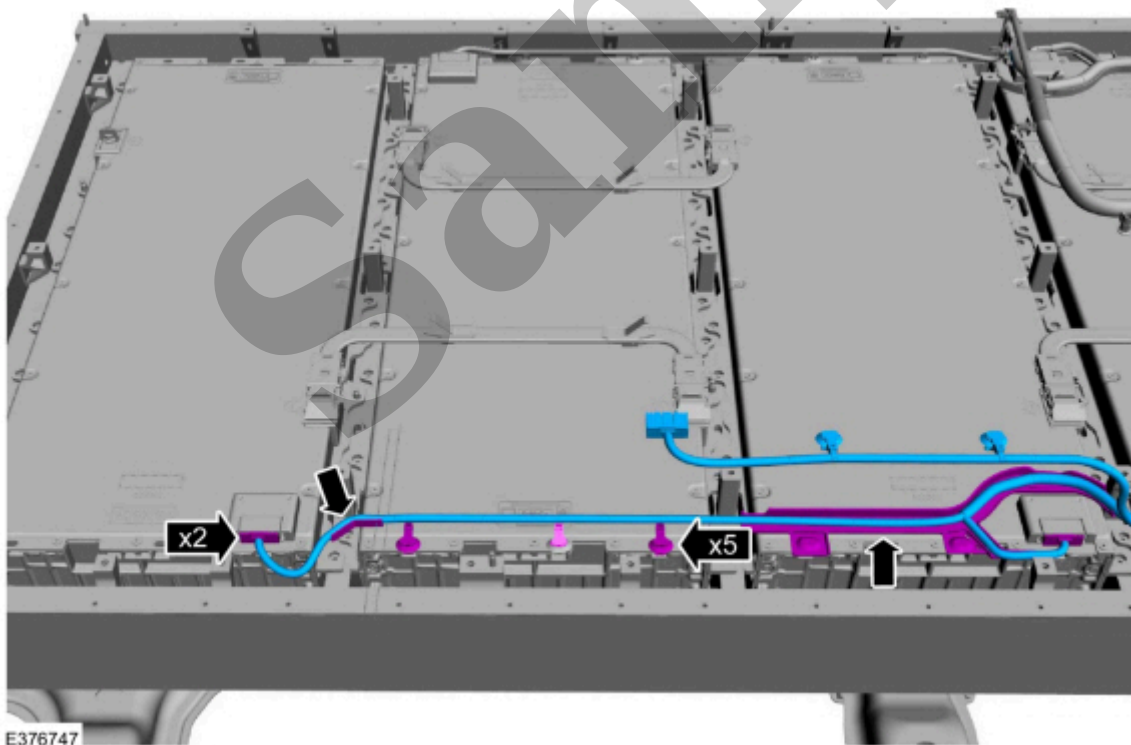
2. Install the battery lift fixture and position the battery array lift adaptors to the lift fixture and secure.

Use Special Service Tool : 414-016 Battery Lift Fixture



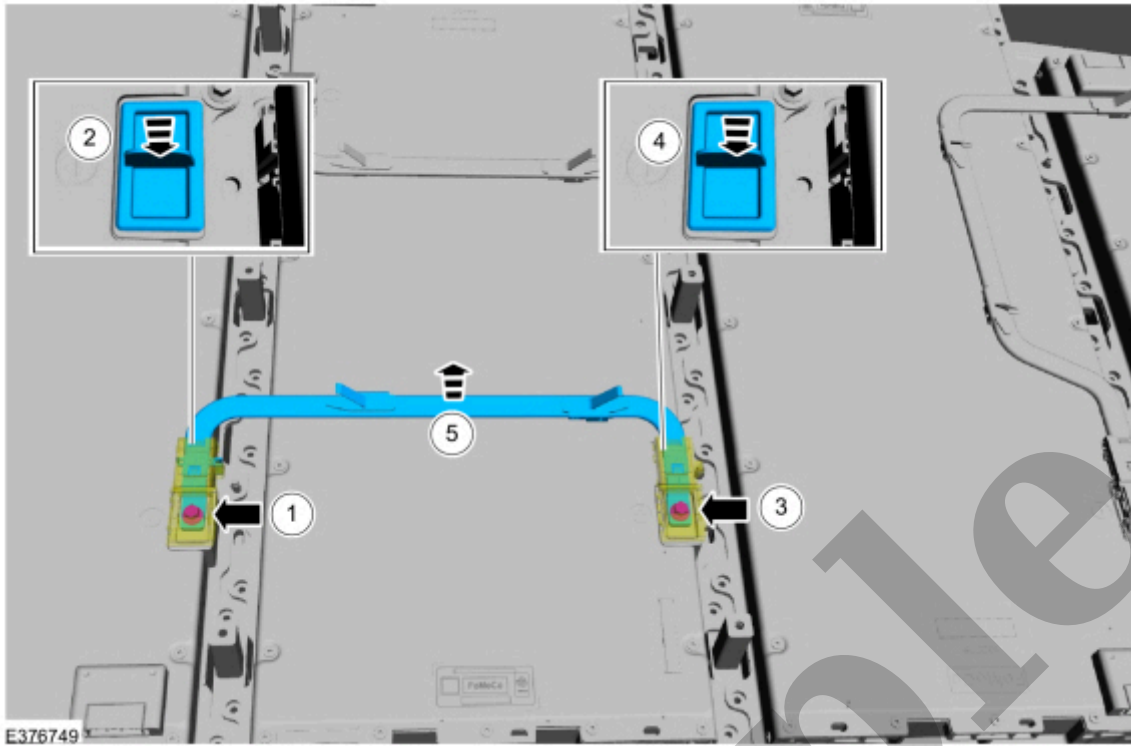
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24. Detach the retainers, disconnect the electrical connectors and remove the wire harness.



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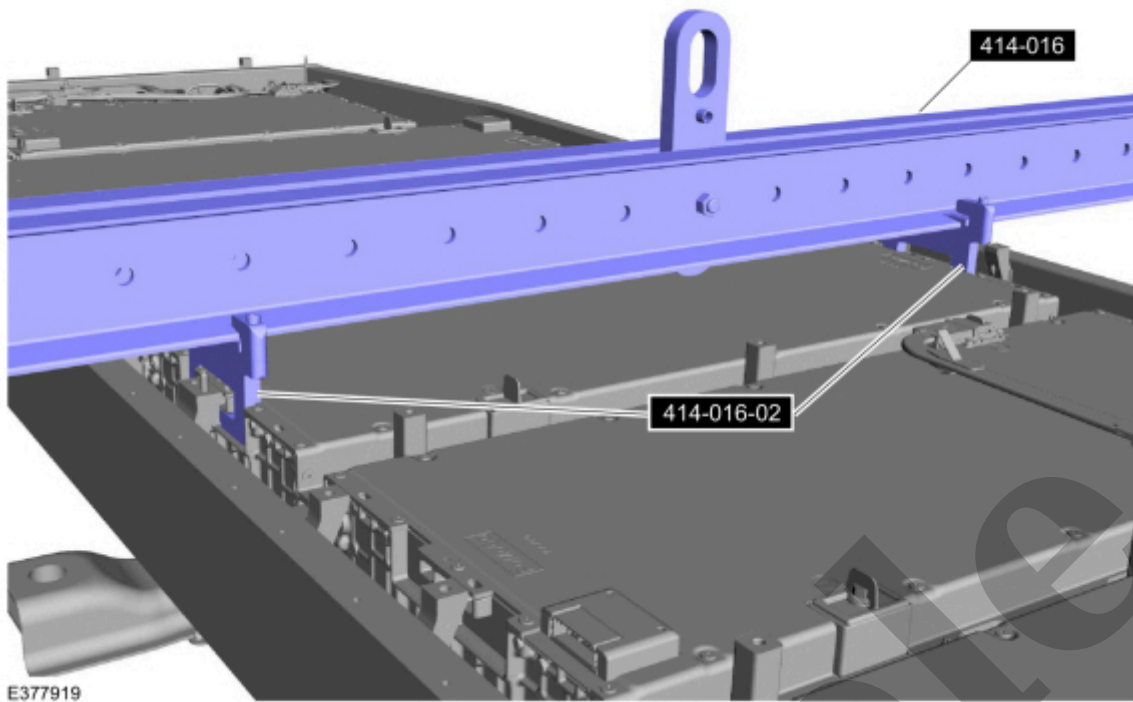
5. Remove the bus bar.



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27. On both sides.

Release the cooling hose connector to cooling plate, detach the pin-type retainers and position the cooling hose aside.



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29. • Remove the cold plate nuts.
- Using a floor crane. Remove the bolts, battery array and cold plate.

Use the General Equipment: Floor Crane

Torque : 133 lb.in (15 Nm)



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4. NOTICE

Do not lift the cold plate by the coolant pipes or allow the cold plate to bend or component damage may occur.

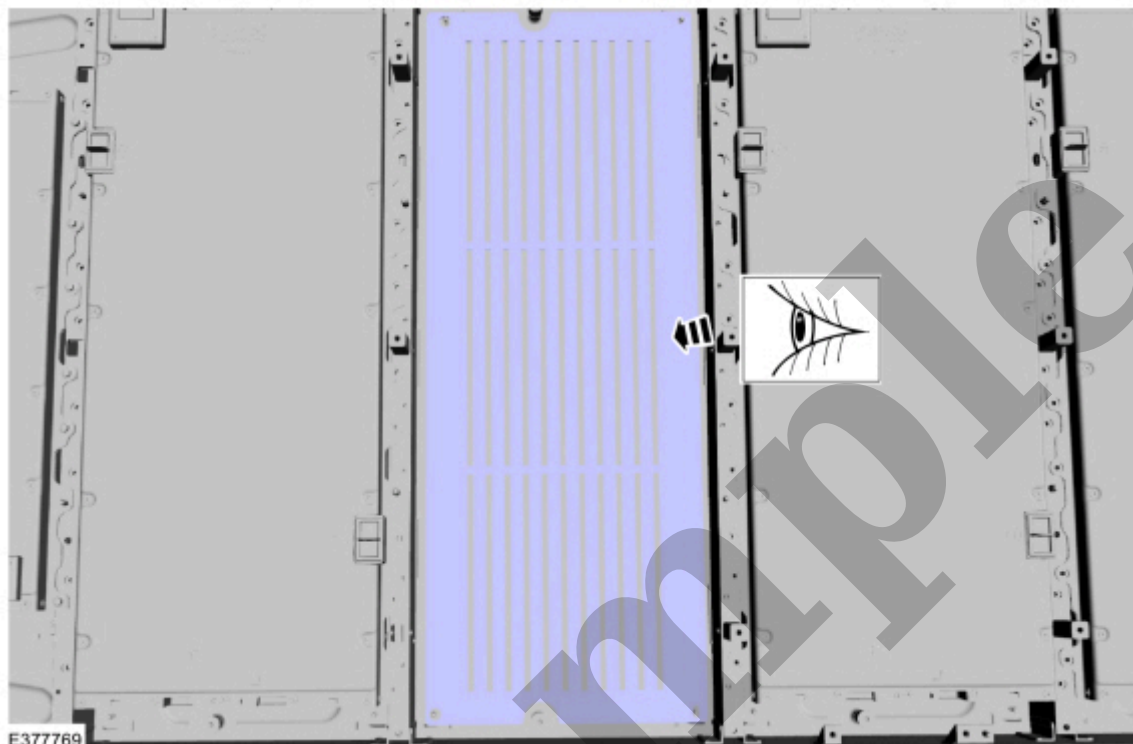
Install the cooling plate and nuts.

Torque : 80 lb.in (9 Nm)

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.



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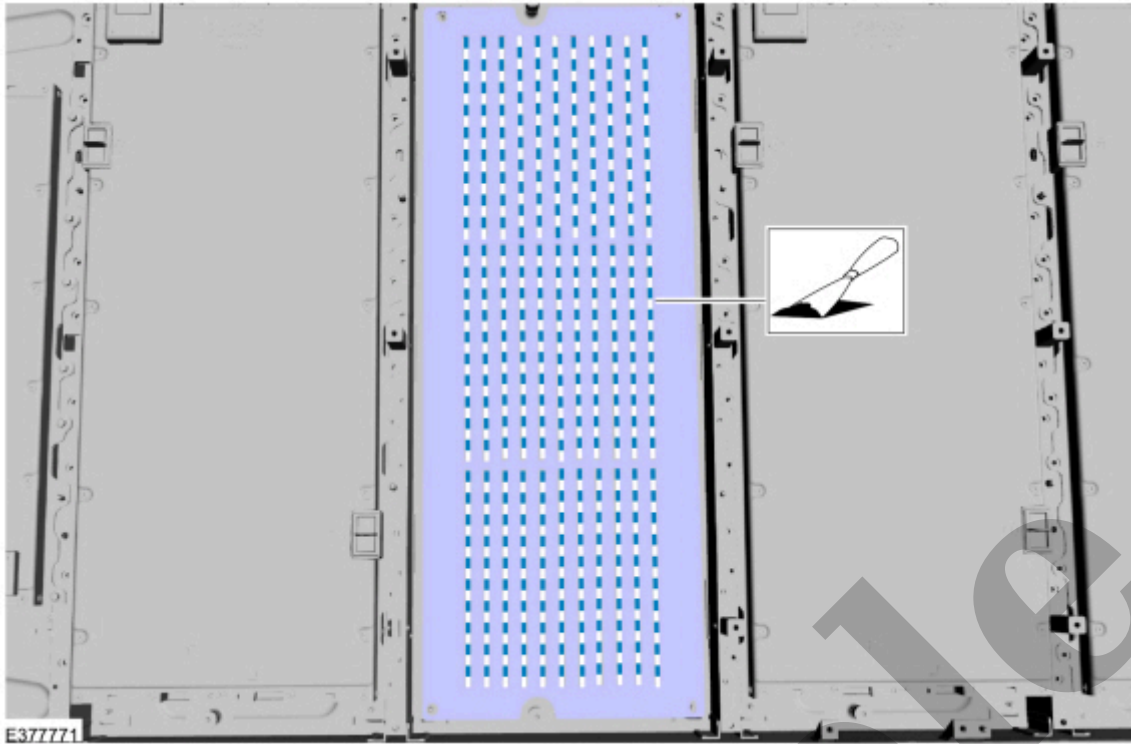
7. **NOTE**

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

NOTE

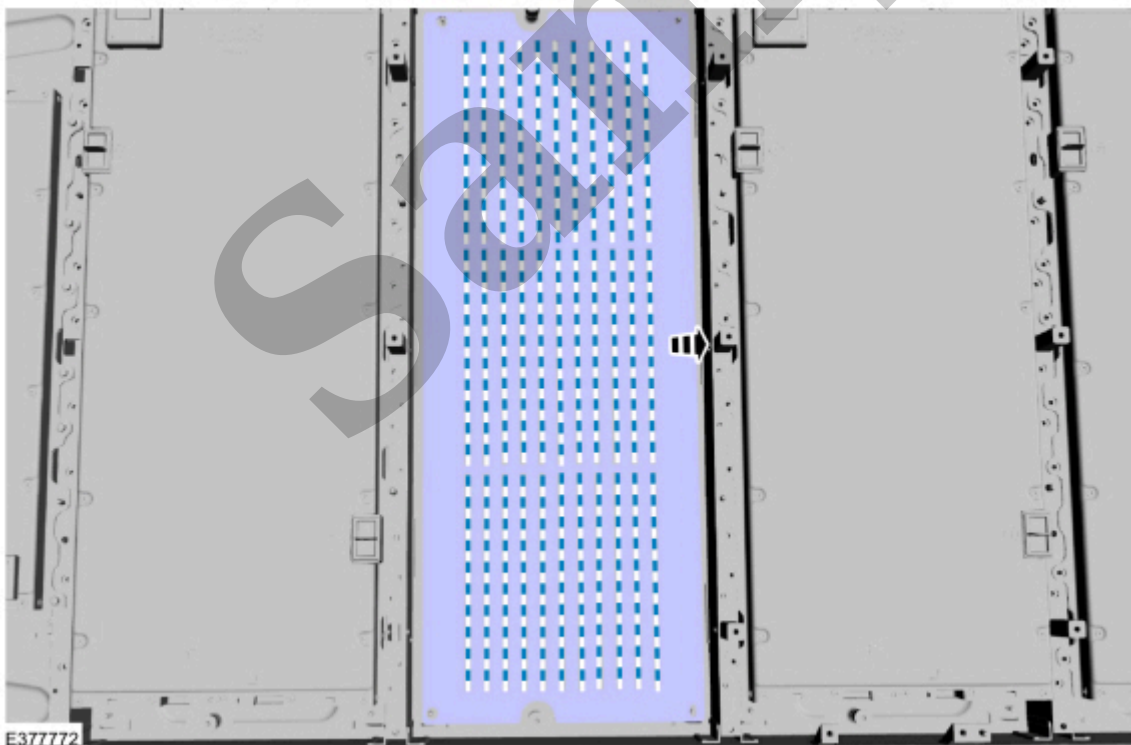
The use of two 200 mL (6.7 oz) of Thermal Interface Material (TIM) cartridges are necessary when replacing a single high voltage battery module.

NOTE

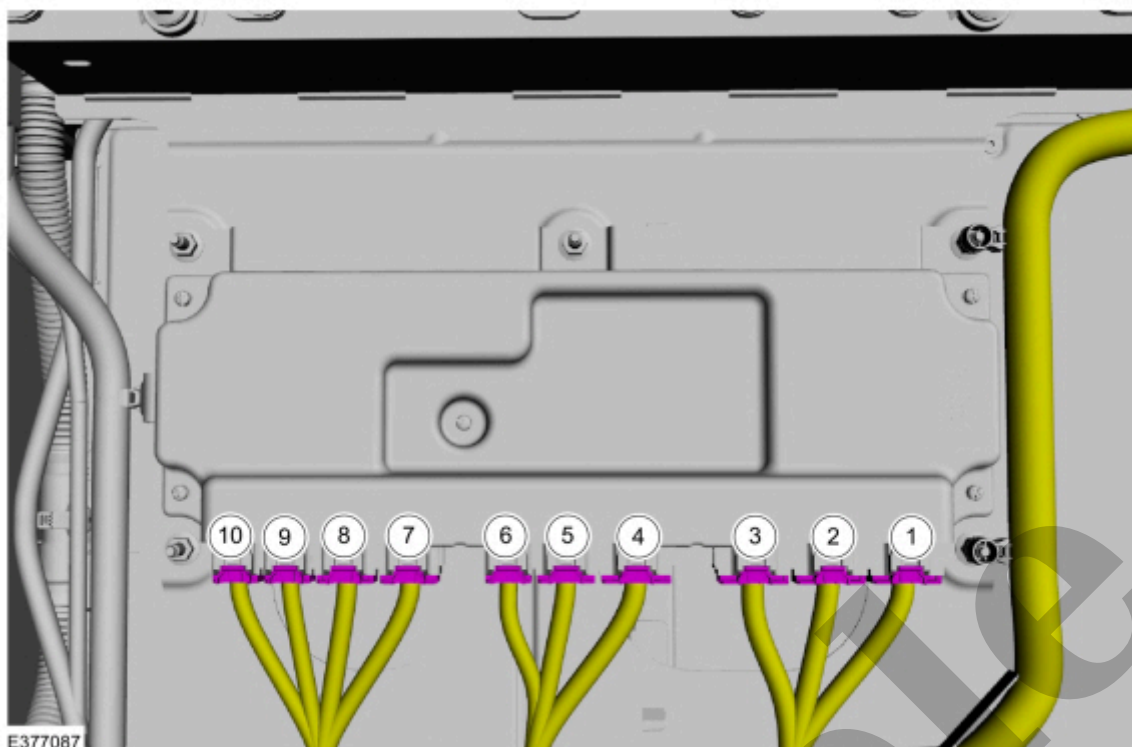


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9. Remove the Thermal Interface Material (TIM) application template from the cold plate.



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12. **NOTE**

The high voltage battery must be checked for coolant leaks before the high voltage battery cover is installed.

Check the high voltage battery for coolant leaks.

Refer to: High Voltage Battery Coolant Leak Check (302-03A Electrified Drivetrain Cooling, General Procedures).

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