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2004 FORD Mustang Convertible OEM Service and Repair Workshop Manual

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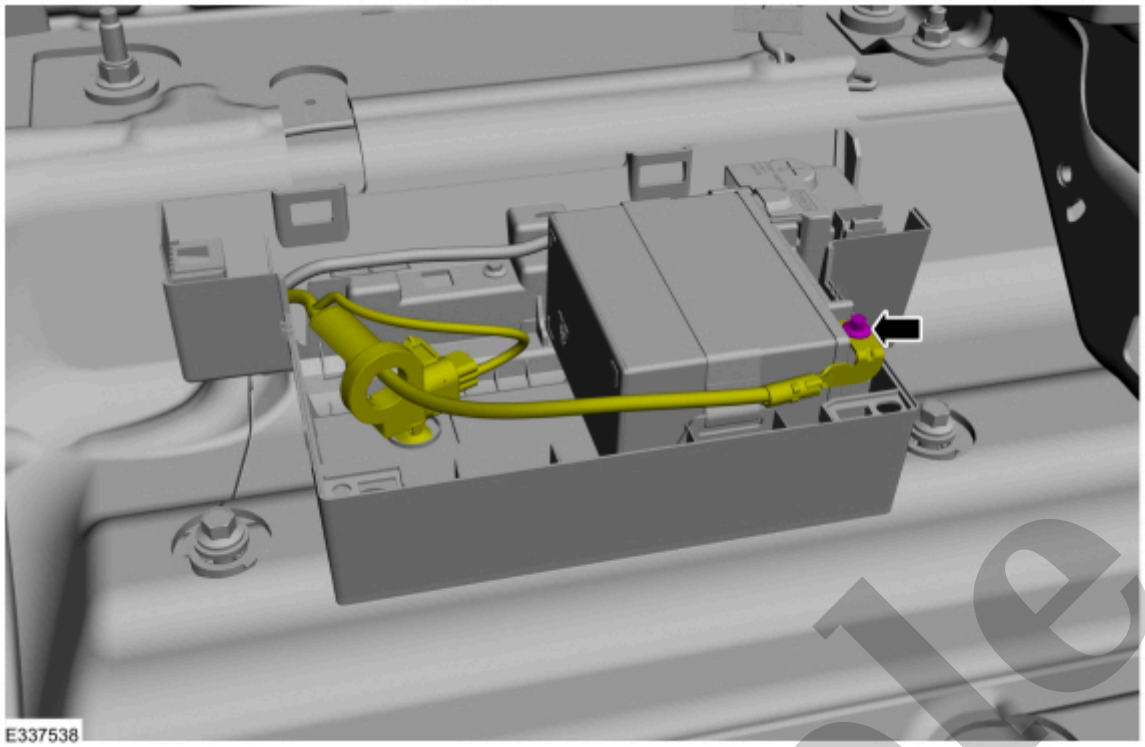
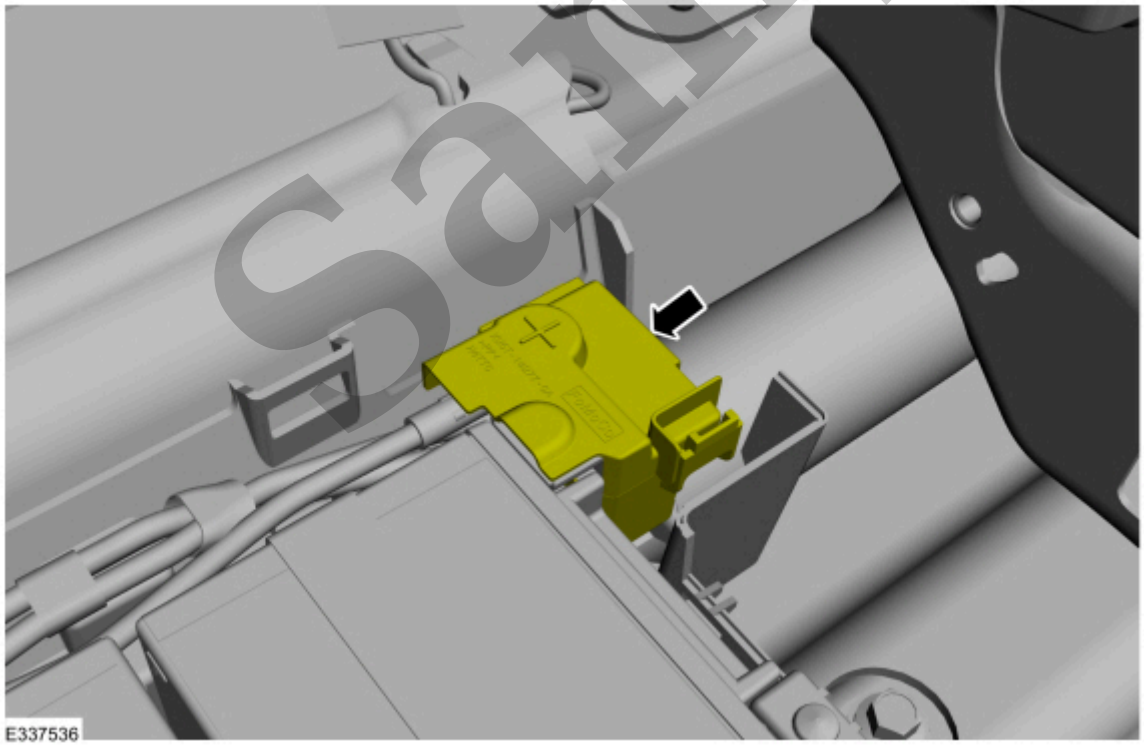


Click here to learn about symbols, color coding, and icons used in this manual.

10. Position the positive battery cable terminal cover aside.



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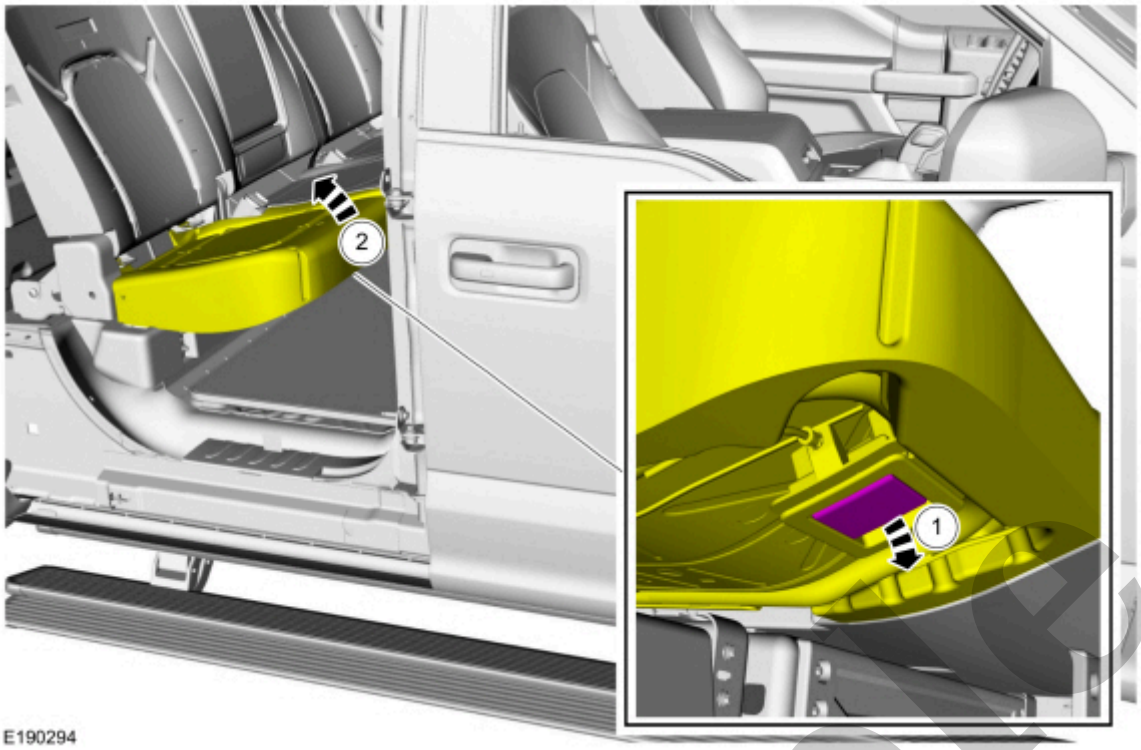
11. Remove the bolt and position the positive battery cable aside.



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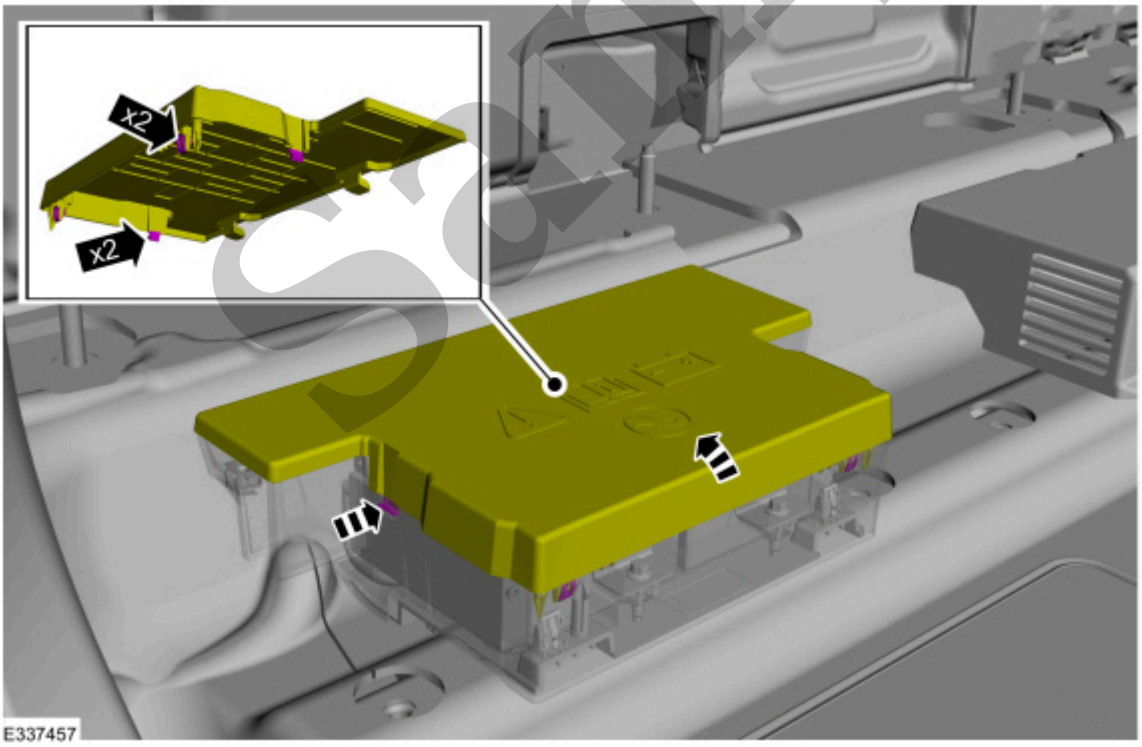
13. Release the taps, clips and position aside the cover.



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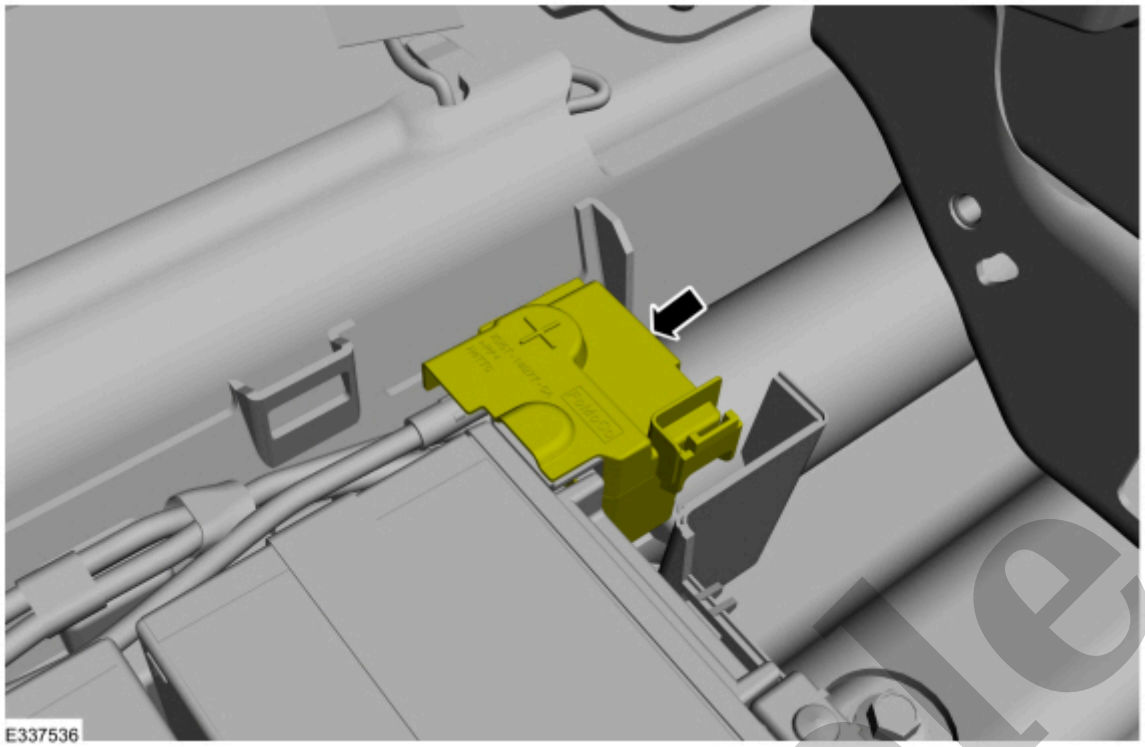

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16.
- Remove the nut.

  Torque : 55 lb.in (6.2 Nm)

- Remove the bolt and position the positive battery cable aside.

  Torque : 55 lb.in (6.2 Nm)

Battery Drain Check

414-01 Battery, Mounting and Cables	***2022 F-150***
General Procedures	***Procedure revision date: 11/16/2021***

Battery Drain Check

Check

NOTE

No factory-equipped vehicle should have more than a 25 mA (0.025 amp) – 50 mA (0.050) draw depending on the vehicle's accessories. Check for current drains on the battery in excess of 25 mA (0.025 amp) – 50 mA (0.050) with all the electrical accessories off and the vehicle at rest for at least 75 minutes (depending on region). Current drains can be tested with the following procedure.

NOTE

Many electronic modules draw 10 mA (0.010 amp) or more continuously.

NOTE

Typically, a drain of approximately 1 amp is attributed to an engine compartment lamp, glove compartment lamp or interior lamp staying on continually. Other component failures or wiring shorts are located by selectively pulling fuses to pinpoint the location of the current drain. When the current drain is found, the meter reading falls to an acceptable level.

NOTE

The meter must be capable of reading milliamps and should have a 10 amp capability.

Connect a meter between the negative battery cable terminal and the negative battery post.

8. **NOTE**

   If the meter settings need to be switched or the test leads need to be moved to another outlet, reinstall the fused jumper wire to avoid breaking continuity.

   Remove the fused jumper wire.

9. If equipped with auxiliary battery(s), ensure that the auxiliary battery(s) are disconnected when measuring current draw at the primary battery, to ensure the meter or inductive amp probe measures all current draws present. Disconnect the auxiliary battery(s).

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

10. Note the amperage draw. Draw varies from vehicle to vehicle depending on the equipment package. Compare to a similar vehicle for reference.

11. **NOTE**

    If the vehicle sits for an extended period of time and the battery drains, there is the possibility of a control module staying alive and not going into sleep mode. If a control module stays alive, it can result in battery drain. If a control module is suspected, isolate individual modules by disconnecting them one at a time and note if the excessive draw goes away.

    NOTE

    For vehicles equipped with aftermarket equipment containing electrical connections, disconnect the aftermarket to factory connections to isolate the body from the chassis.

    NOTE

    Vehicles may be equipped with multiple fuse box locations.

    Refer to Wiring Diagrams Cell 13for schematic and connector information.

    If the current draw is excessive, remove the fuses from the main fuse box one at a time and note the current drop.

Auxiliary Battery Isolator

414-01 Battery, Mounting and Cables	***2022 F-150***
Removal and Installation	***Procedure revision date: 09/3/2020***

Auxiliary Battery Isolator

Removal

NOTE

Removal steps in this procedure may contain installation details.

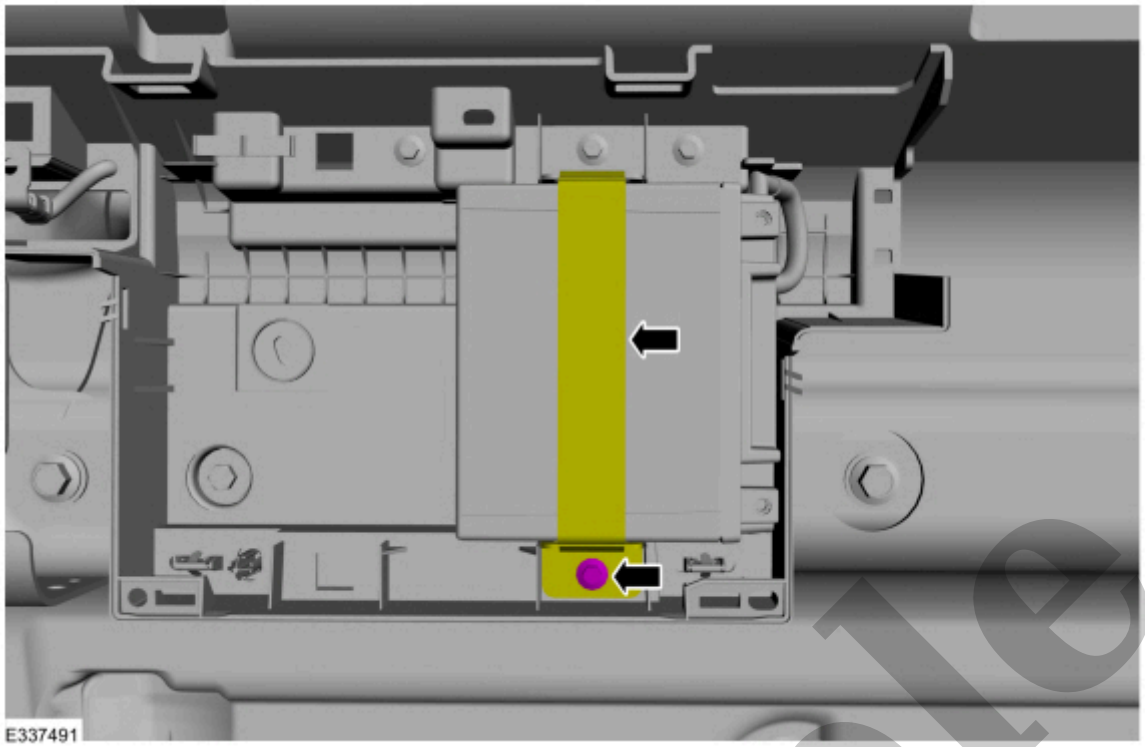
1. Disconnect the batteries.

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

2. - Disconnect the electrical connector and position the cable aside from the battery isolator.
   - Remove the battery isolator cable nut.

     Torque : 80 lb.in (9 Nm)

1. To install, reverse the removal procedure.



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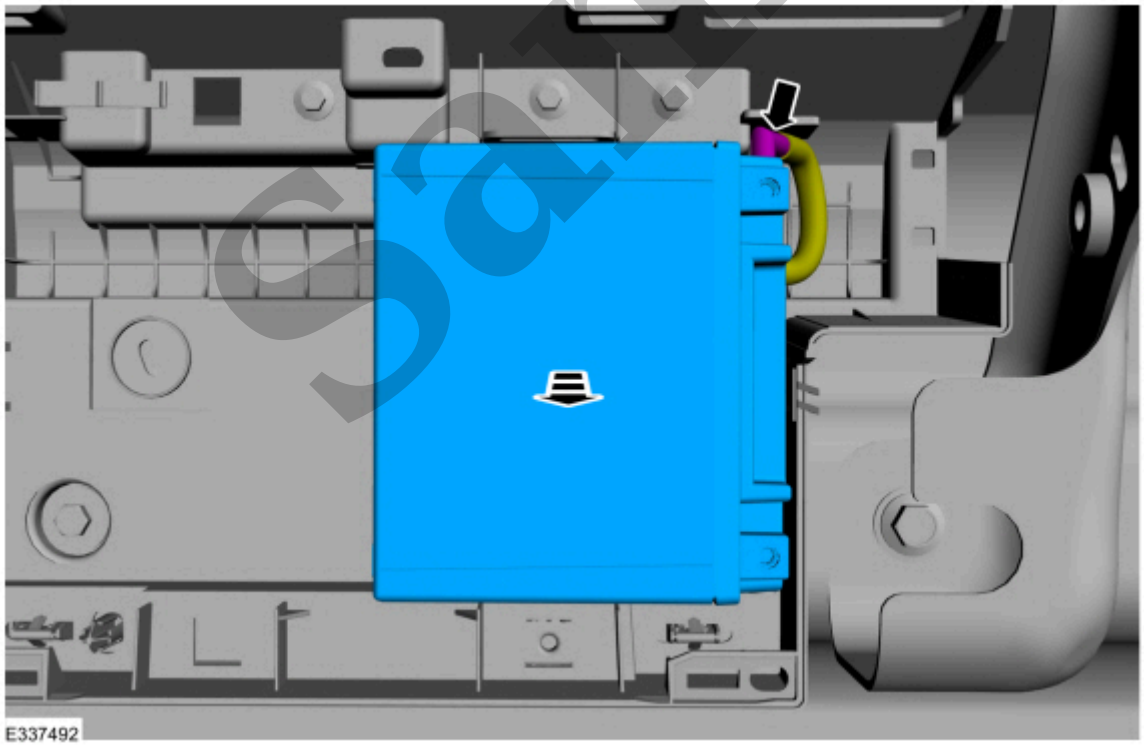
3. 1. Disconnect the vent hose and remove the auxiliary battery.



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Non-Hybrid vehicles with auxiliary batteries with a 110-120v 2kw to 2.4kw pickup bed power outlet

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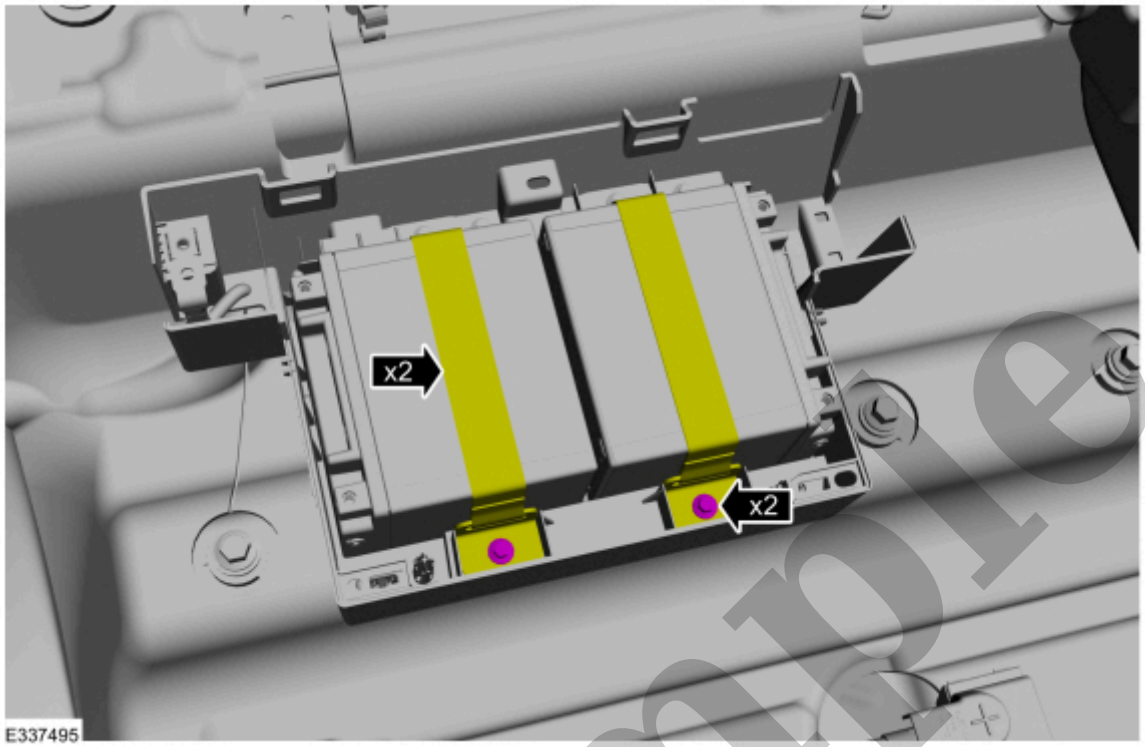
6. Remove the bolts and position the hold-down straps aside.

   Torque : 80 lb.in (9 Nm)



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7. Disconnect the vent hose and remove the auxiliary batteries.