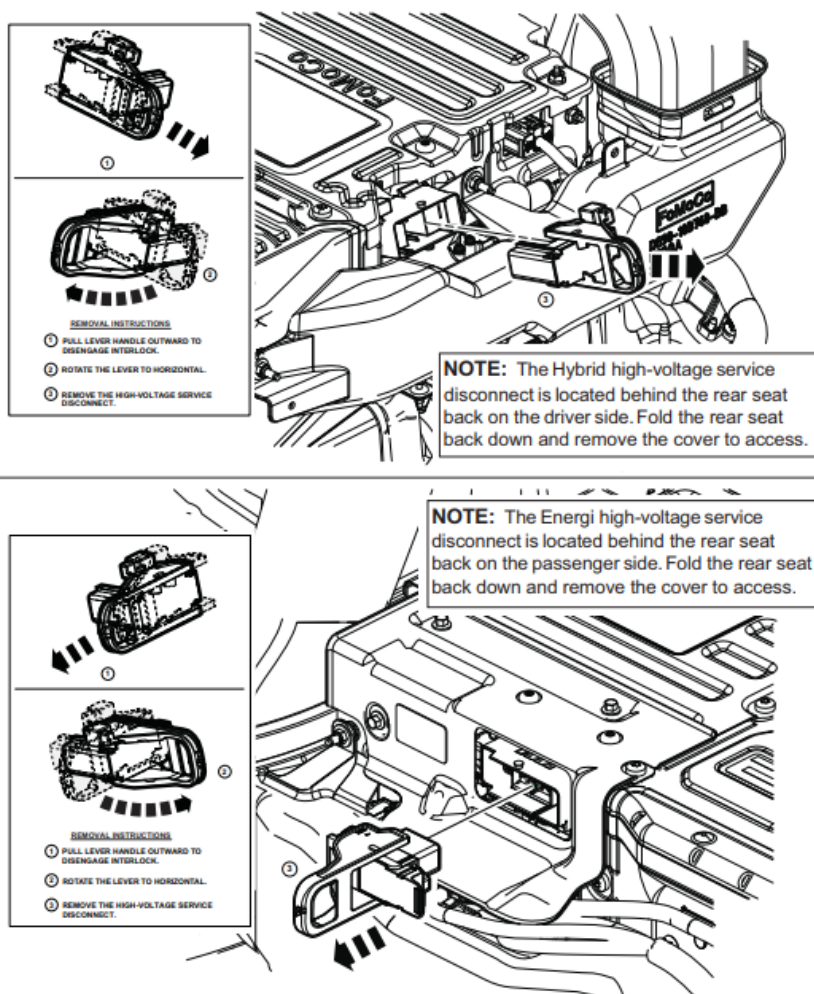




2016 - 2019 Ford Fusion and MKZ HV Battery Removal and Installation Instructions

Step 1: Remove Orange HV Disconnect Plug

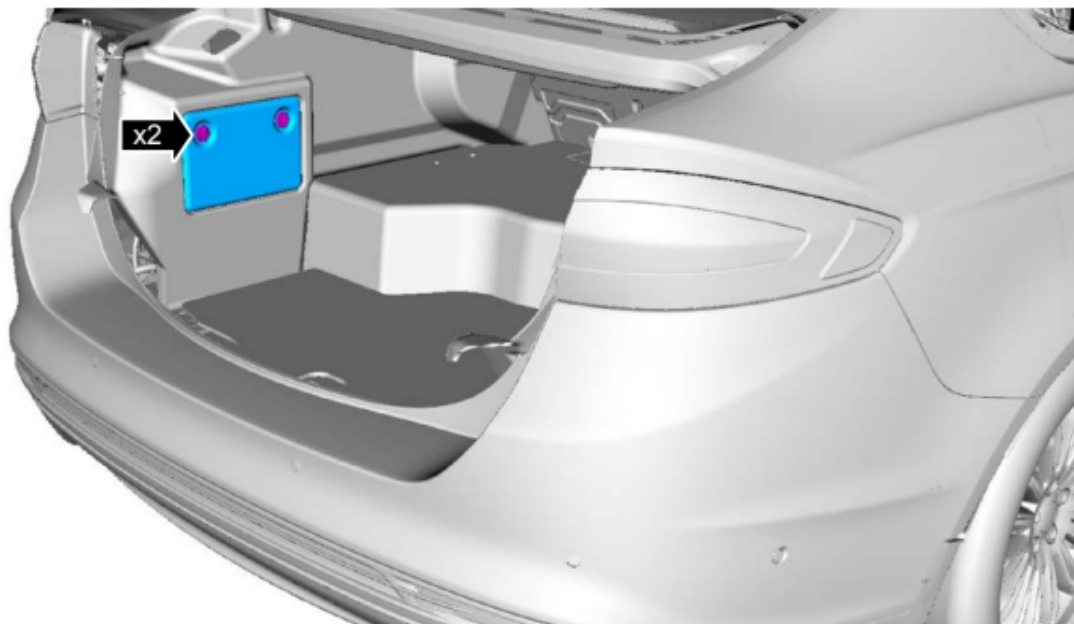


1. Depower the High-Voltage (HV) battery. Refer to the HV battery service disconnect procedure on pages 13-16.

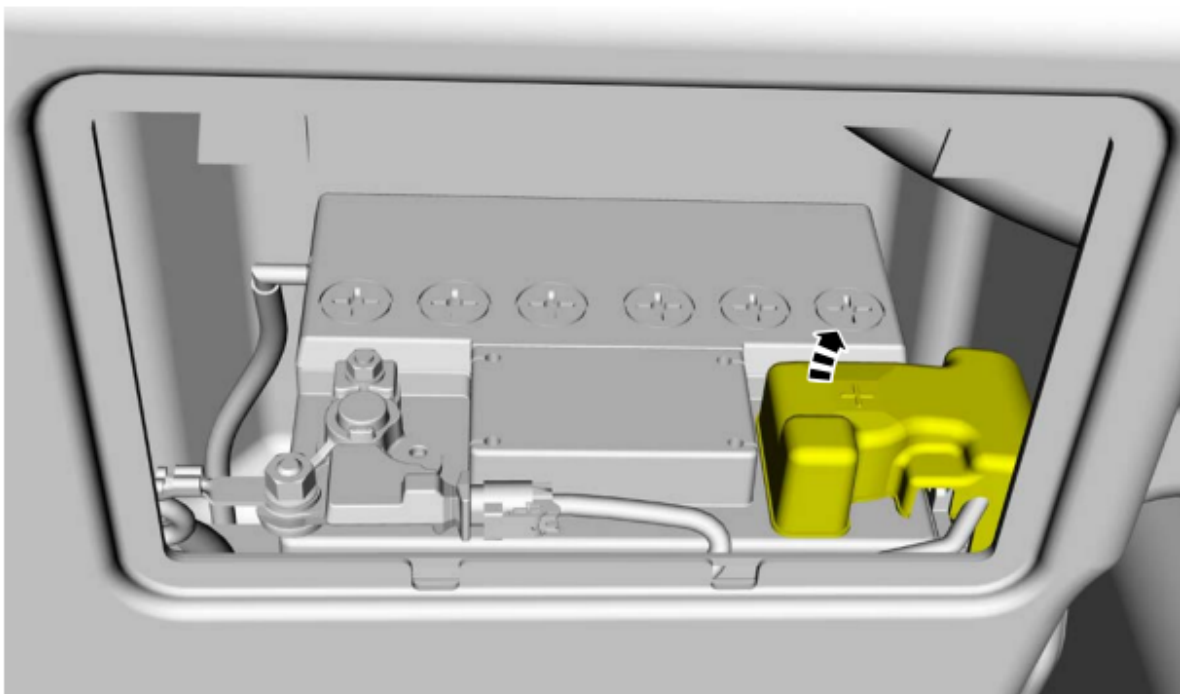
NOTE: Wait 5 minutes after the service disconnect plug is removed before continuing service. This allows any residual voltage in the HV system to dissipate.

NOTE: Fusion Energi shown, MKZ Hybrid and Fusion Hybrid similar.

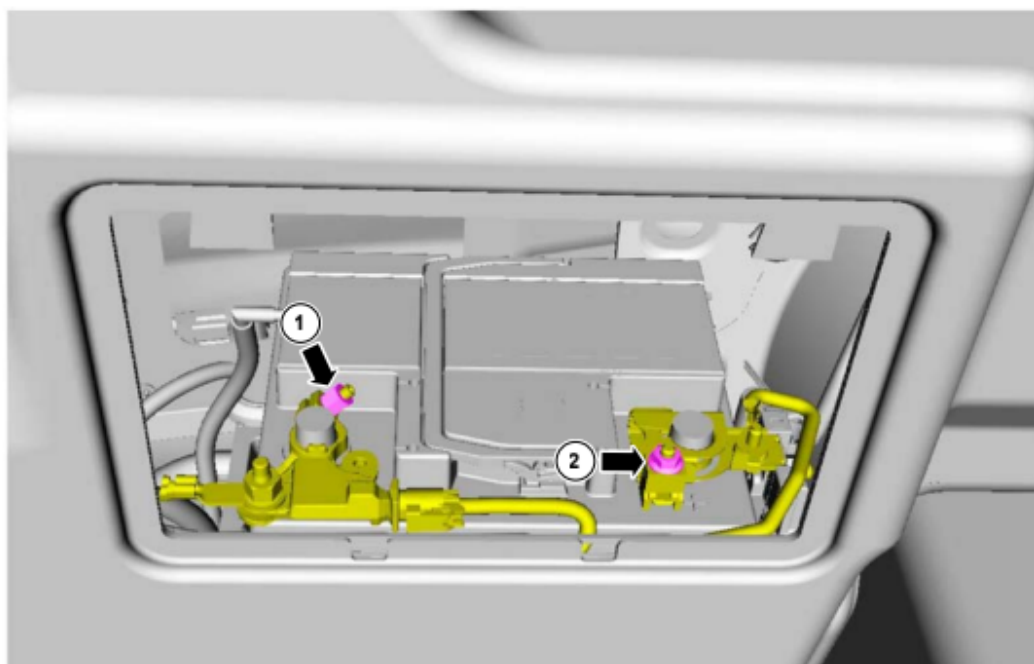
2. Remove the 12-volt battery cover located on the LH load space trim panel.



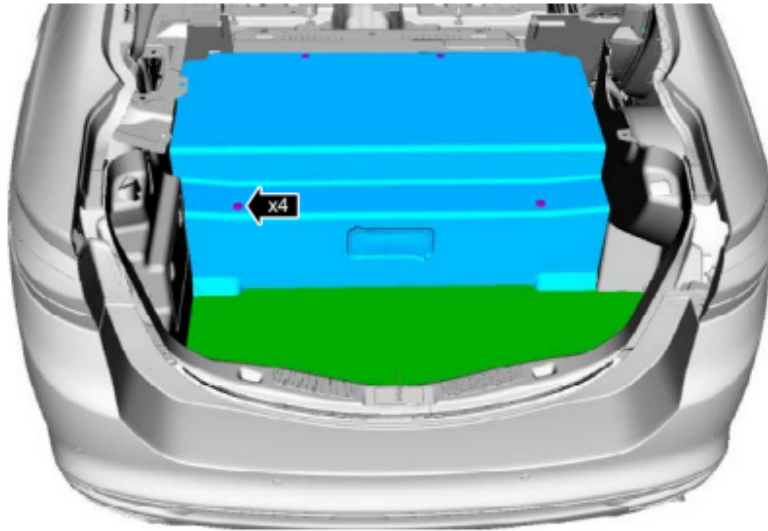
3. Position the positive battery post cover aside.



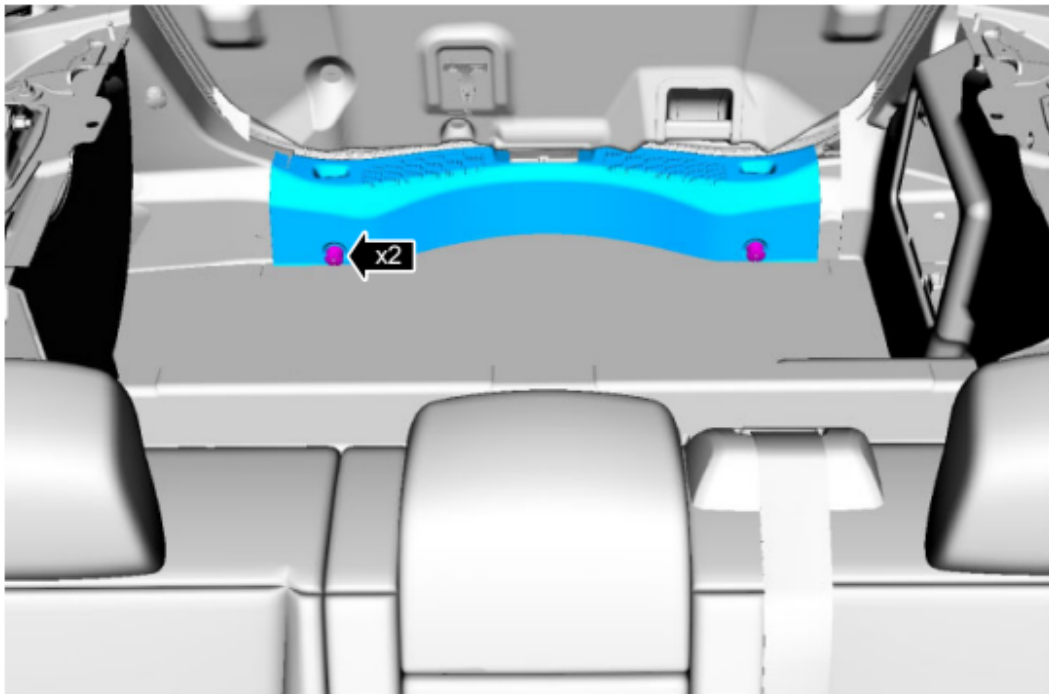
4. Disconnect the 12V battery.



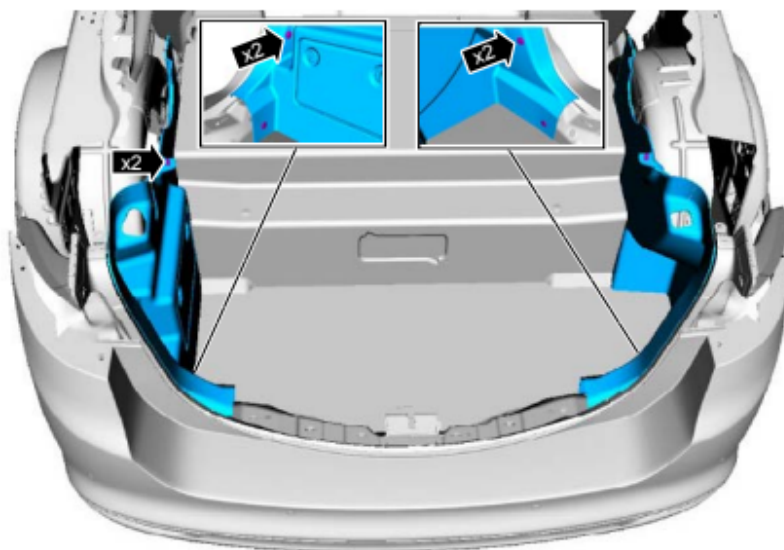
5. Position the carpet aside, remove the four battery cover retainers (Fusion Energi only) and remove the HV battery cover.



6. Remove the rear scuff trim panel.



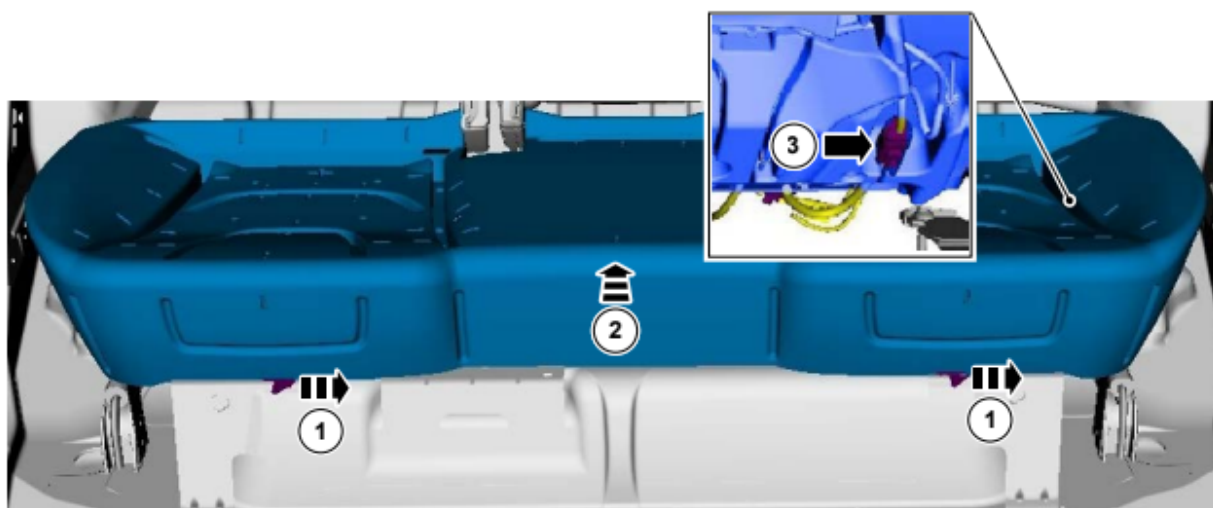
7. Remove the RH and LH load space trim panels.



Fusion Energi only

8. Remove the rear seat cushion.

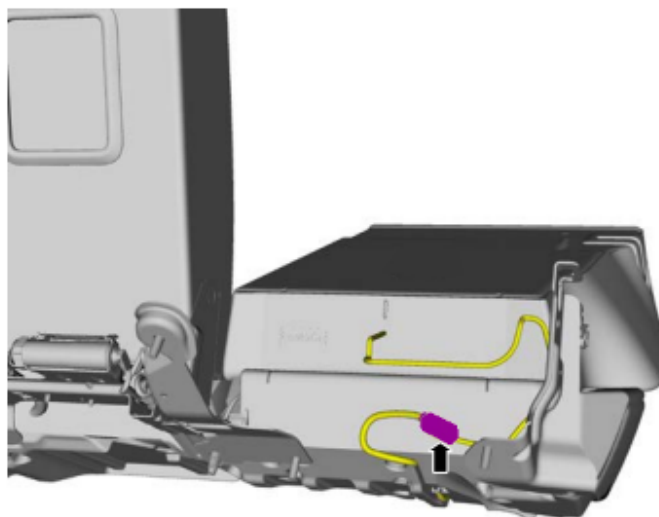
1. Release the locking tabs.
2. Position the rear seat cushion upward.
3. If equipped with heated seats, disconnect the electrical connector.



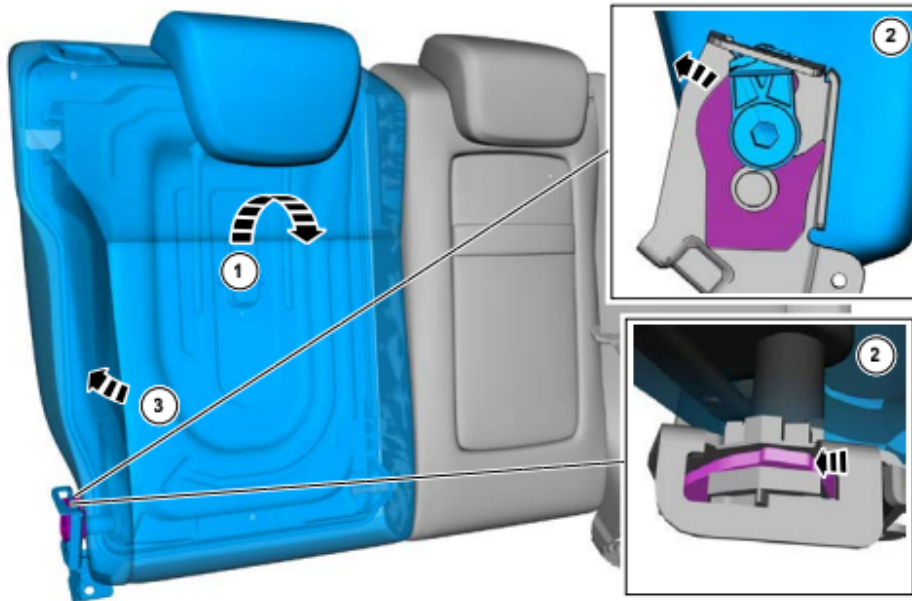
9. Release the latch and fold the RH rear backrest down.



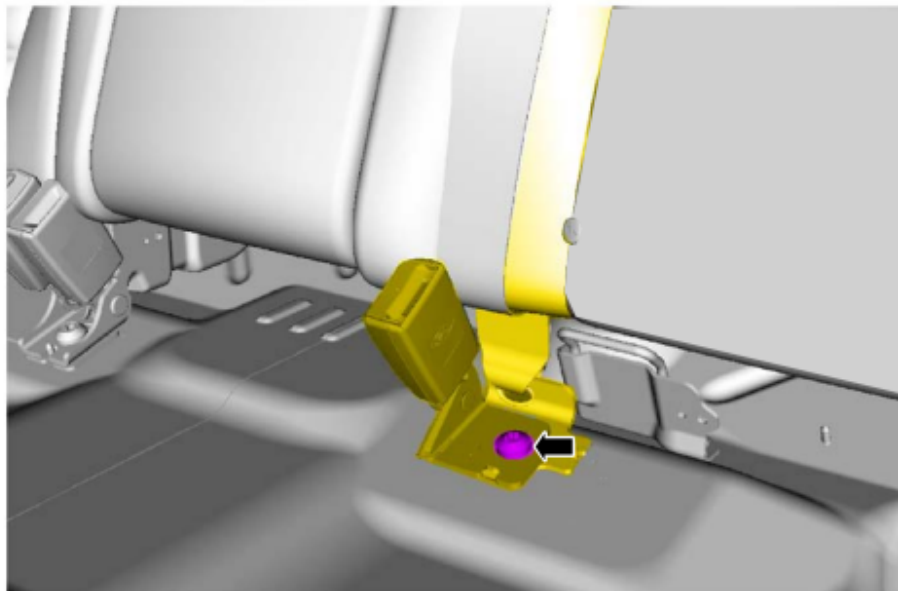
10. If equipped with heated seats, disconnect the electrical connector.



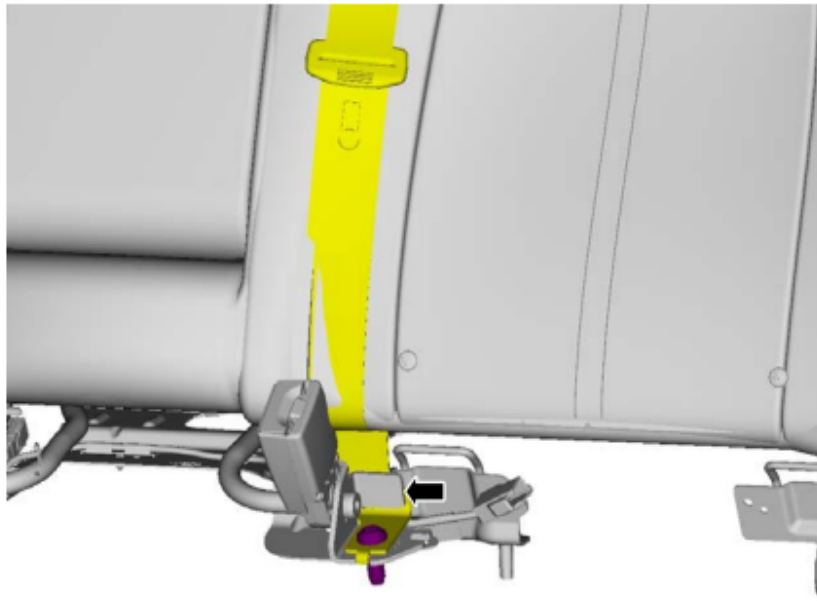
11. Release the latch and remove the RH backrest from the vehicle.



12. Remove the safety belt latch fastener and position the latch aside.



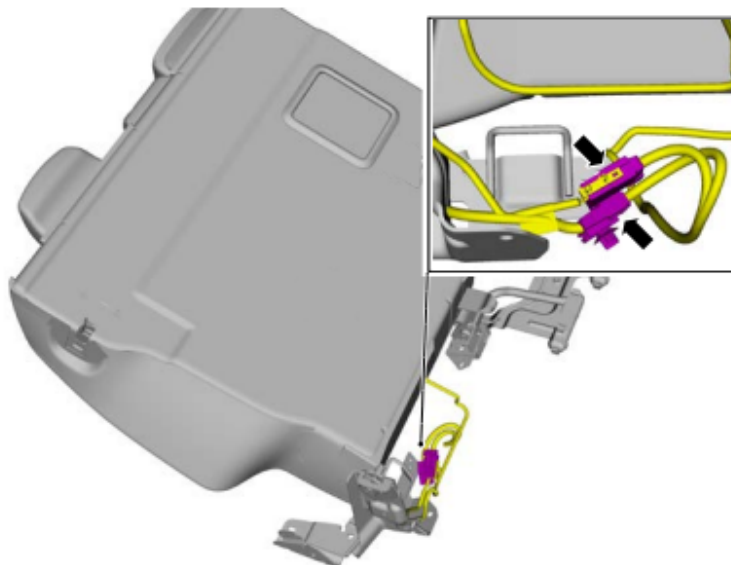
13. Remove the safety belt fastener and position the belt aside.



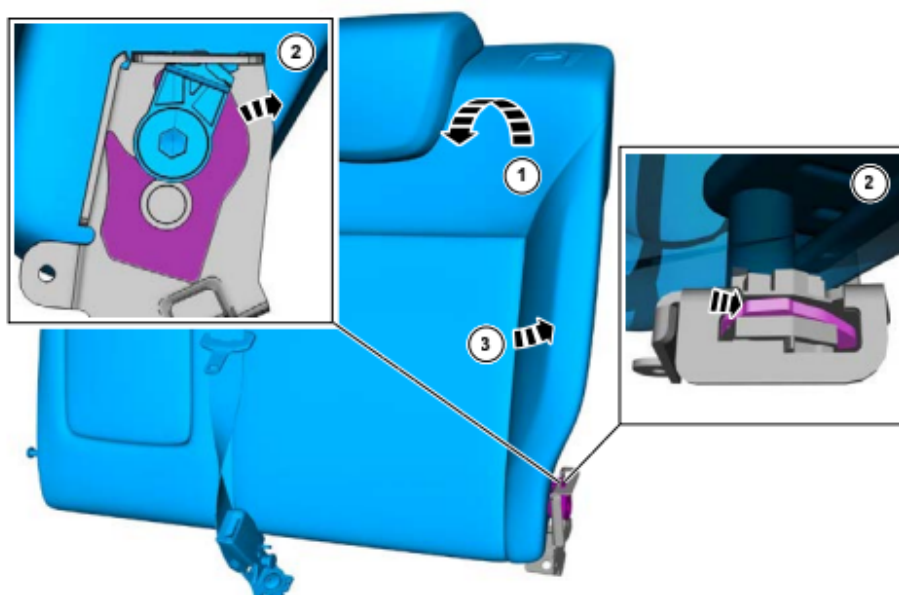
14. Release the latch and fold the LH rear backrest down.



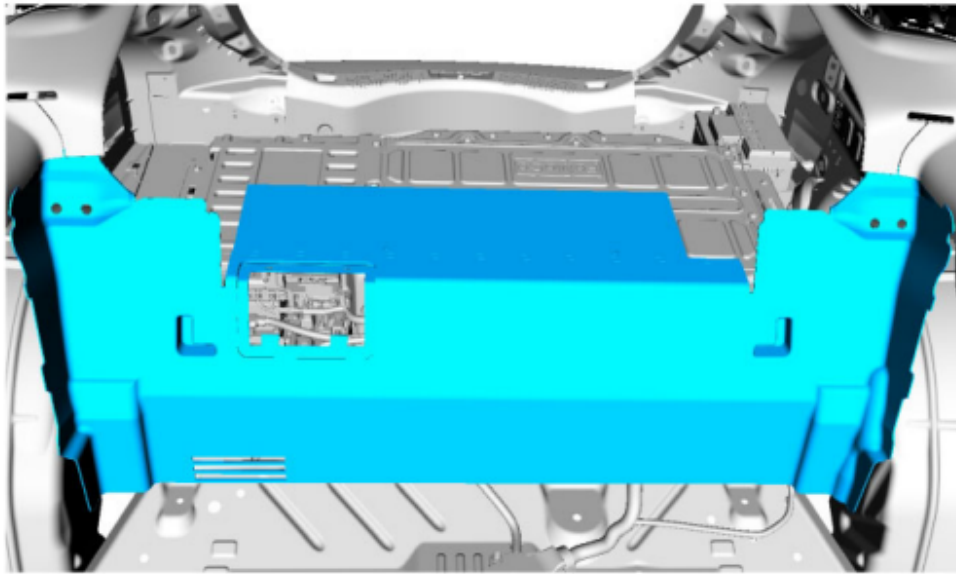
15. If equipped with heated seats, disconnect the electrical connectors.



16. Release the latch and remove the LH backrest from the vehicle.



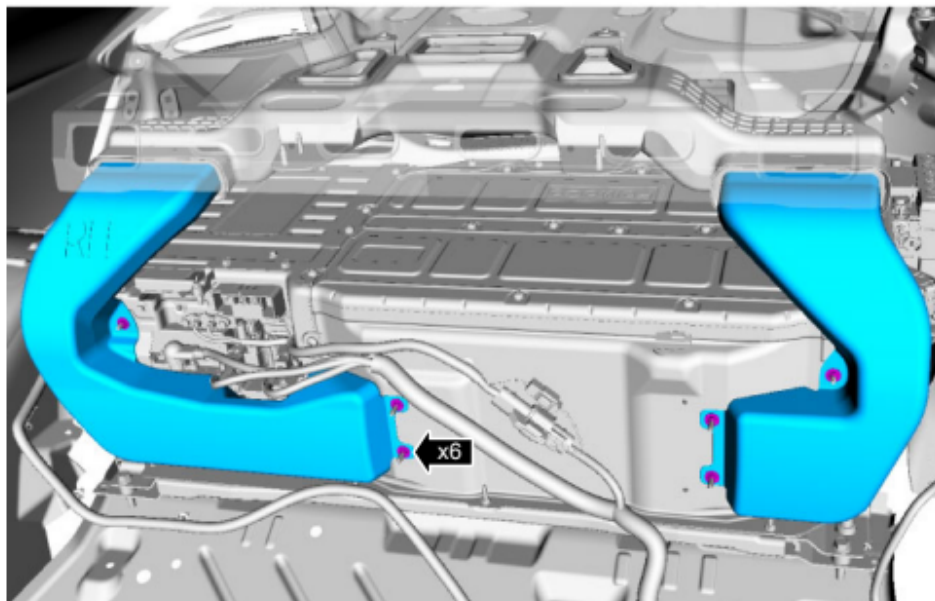
17. Remove the trim panel from the front of the HV battery.



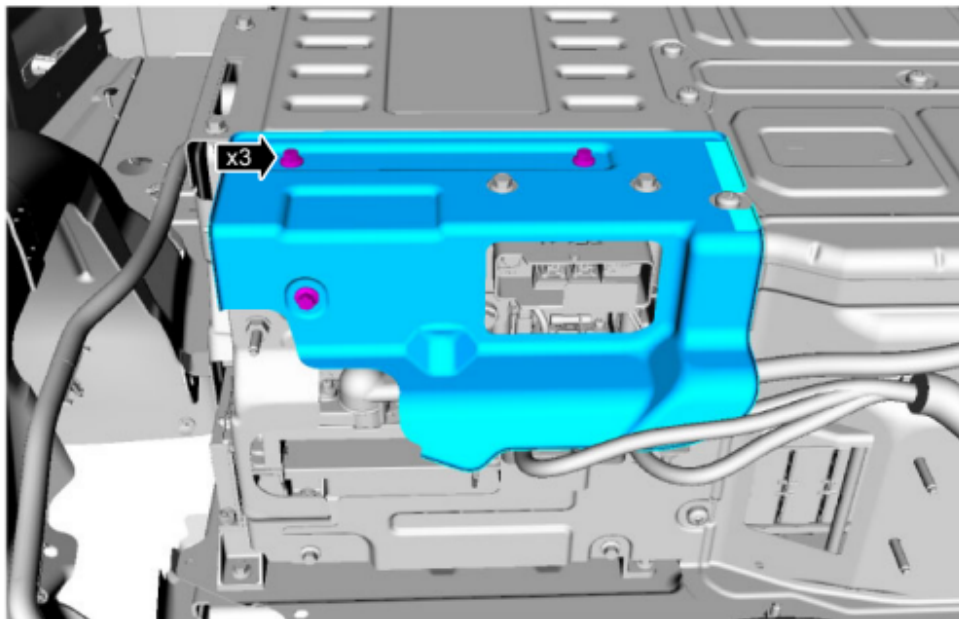
All Vehicles

NOTE: Fusion Energi shown, MKZ Hybrid and Fusion Hybrid similar.

18. Remove the six fasteners and the LH and RH HV battery vents.

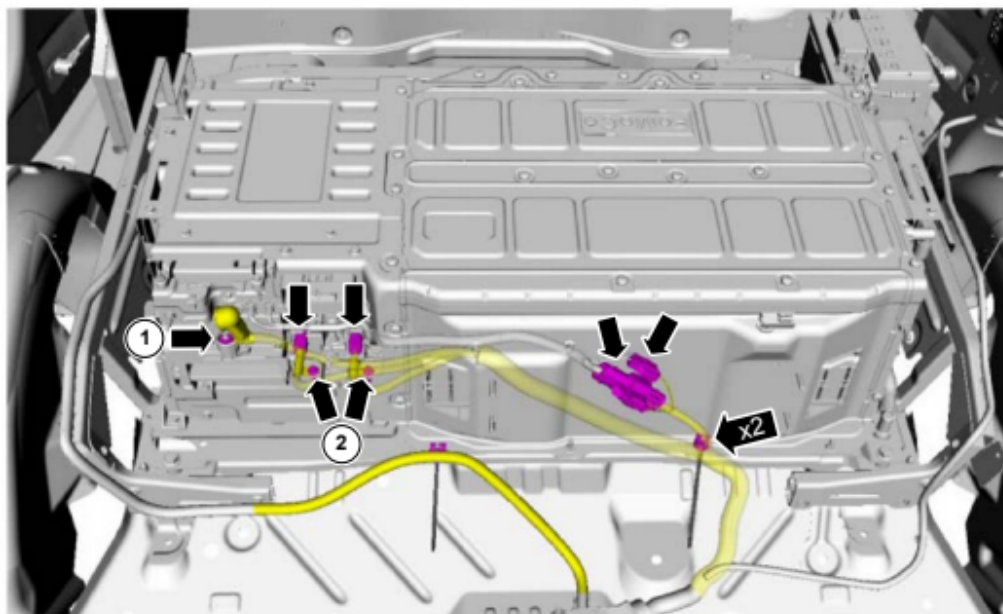


19. Remove the wiring cover from the HV battery.



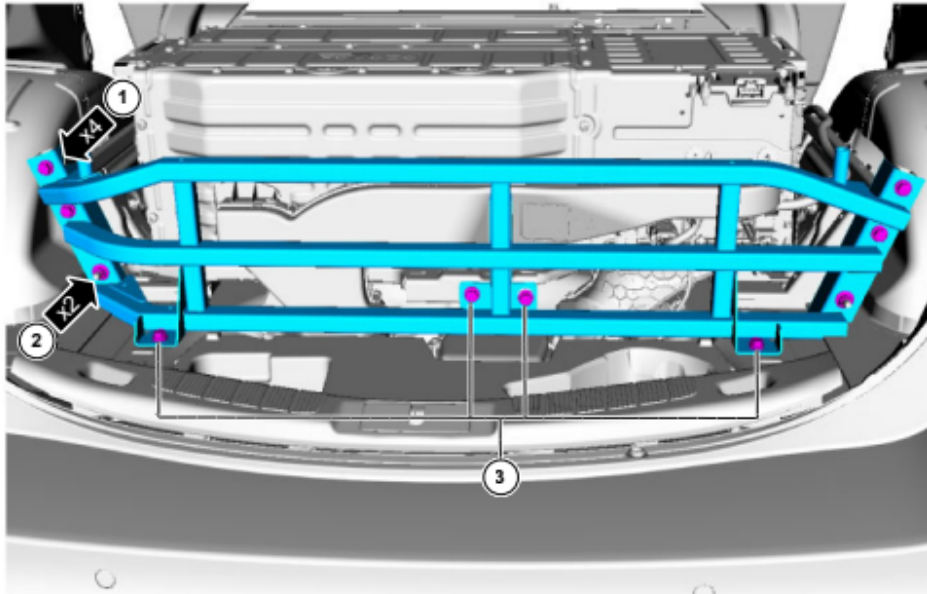
NOTE: Fusion Energi shown, MKZ Hybrid and Fusion Hybrid similar.

20. Disconnect the electrical connectors and wire harness retainers from the front of the HV battery.

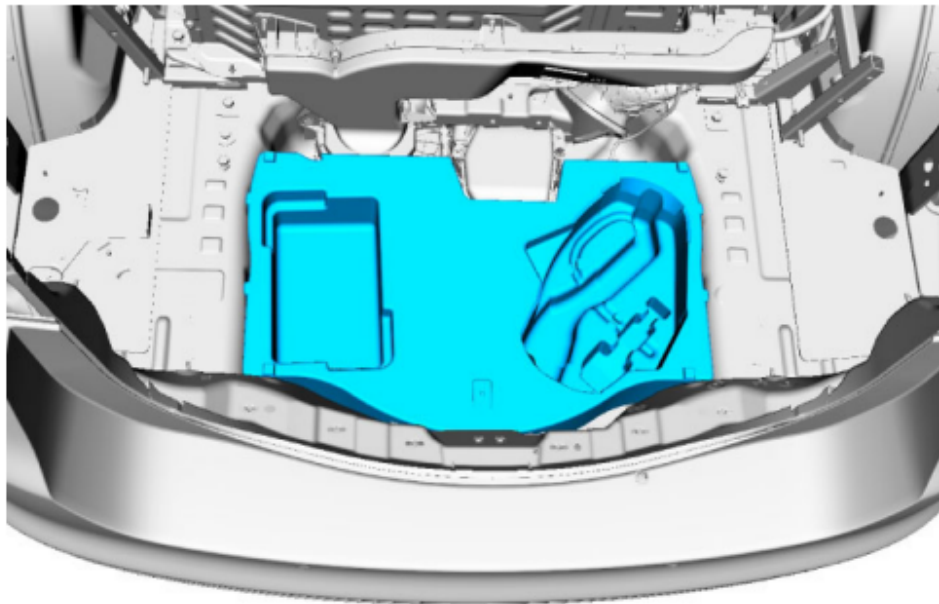


Fusion Energi only

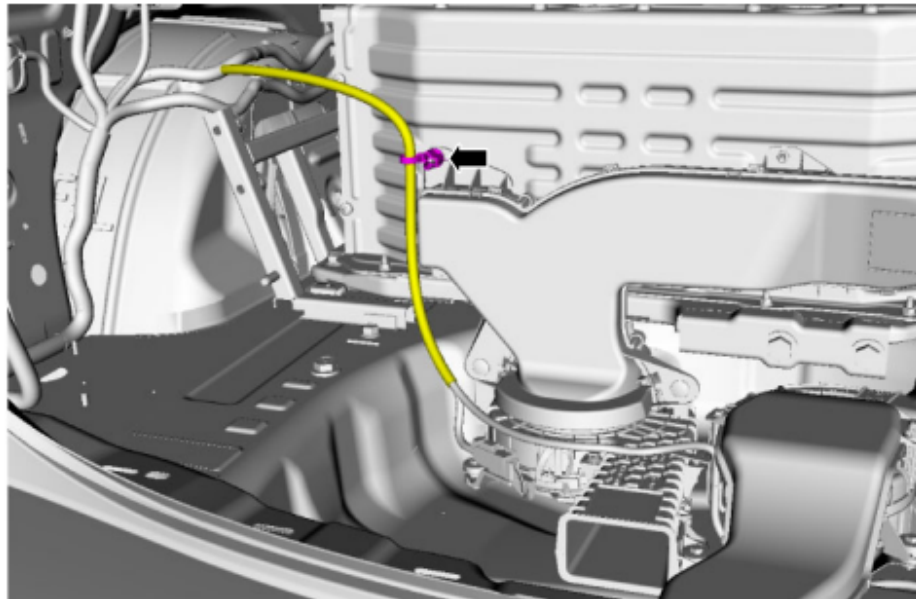
21. Remove the fasteners and the HV battery rear brace.



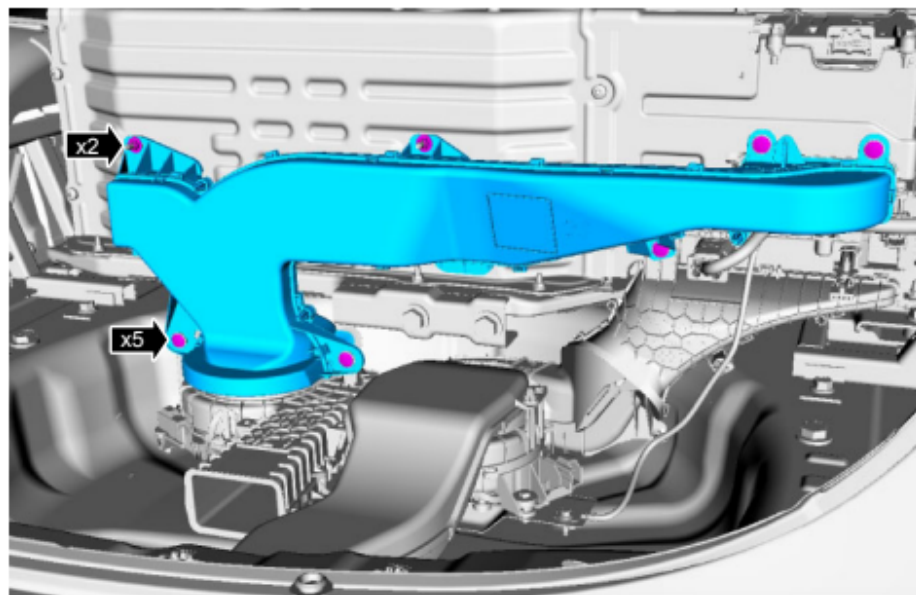
22. Remove the auxiliary charge plug toolbox from the cargo area.



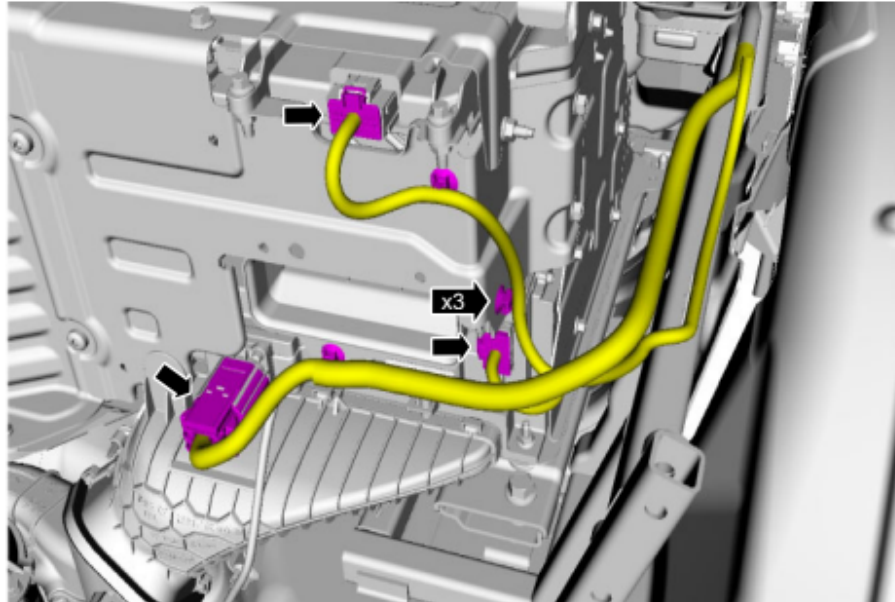
23. Disconnect the HV battery cooling fan harness retainer.



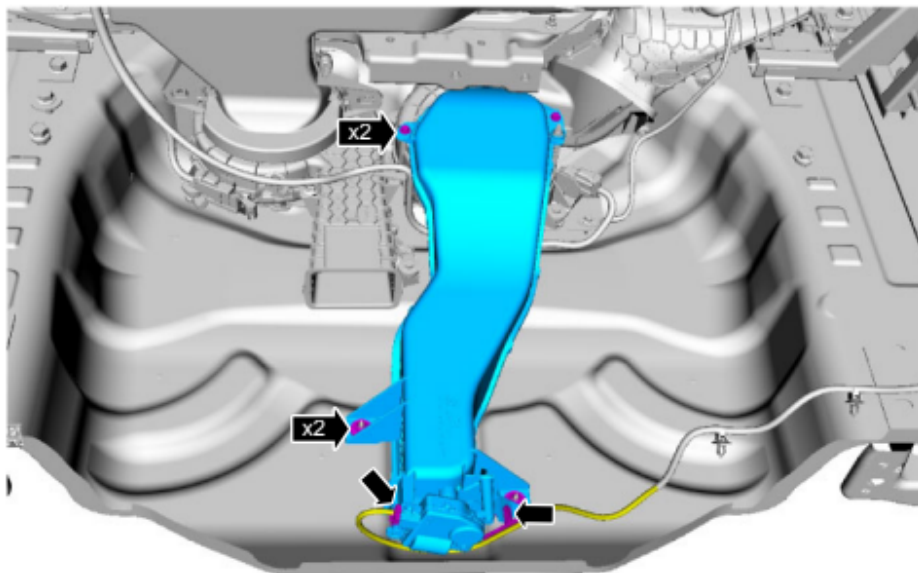
24. Remove the fasteners and the HV battery vent.



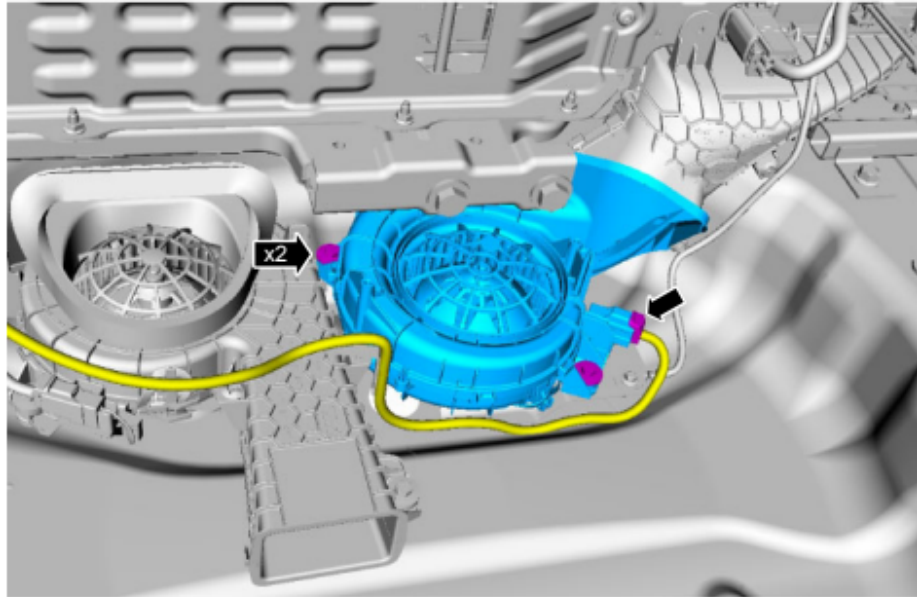
25. Disconnect the electrical connectors and wire harness retainers from the rear of the HV battery.



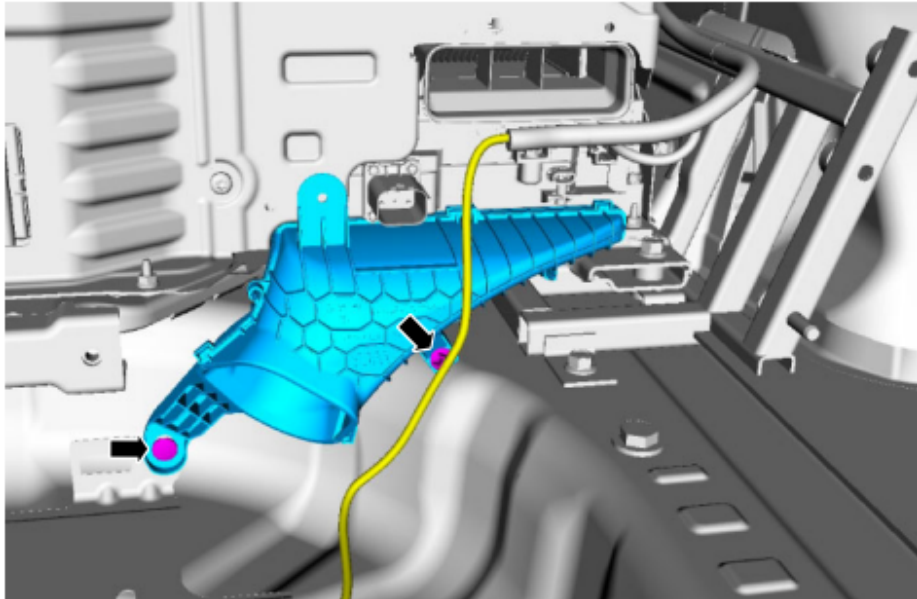
26. Disconnect the vent actuator electrical connector and wire harness retainer. Remove the four fasteners and the vent.



27. Disconnect the HV battery cooling fan electrical connector, remove the two fasteners and remove the fan.

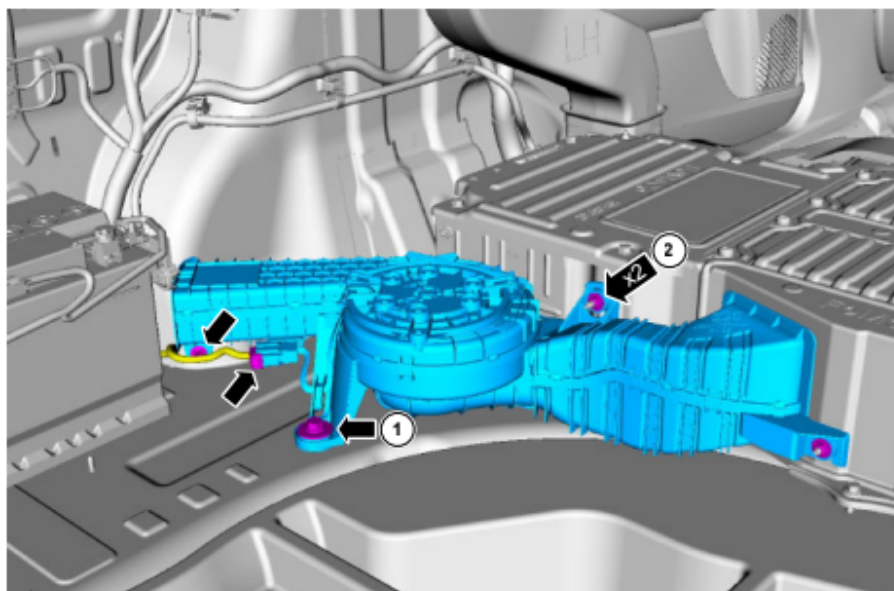


28. Remove the harness retainer from the fan vent and position the harness aside. Remove the fastener and the vent.

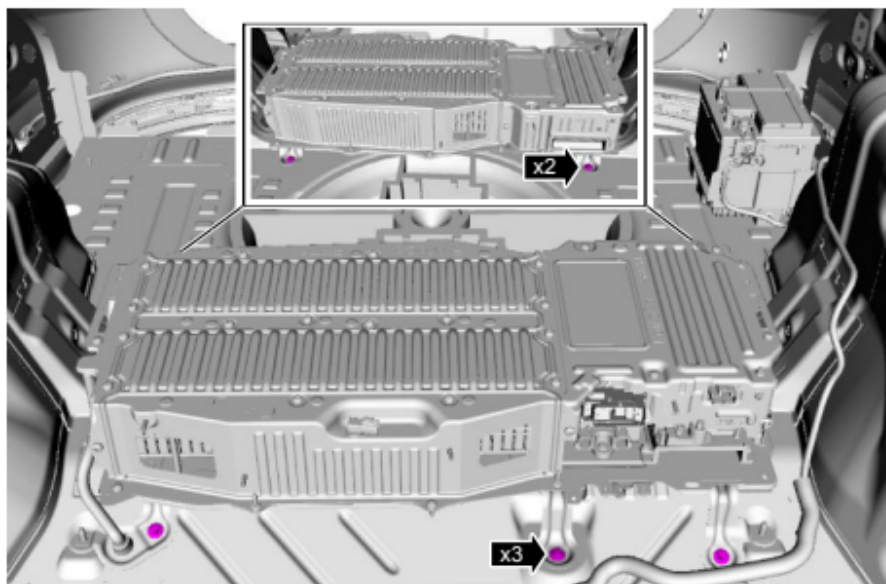


Fusion Hybrid and MKZ Hybrid only

29. Disconnect the HV battery cooling fan electrical connector and harness retaining clip. Remove the three fasteners and remove the fan.

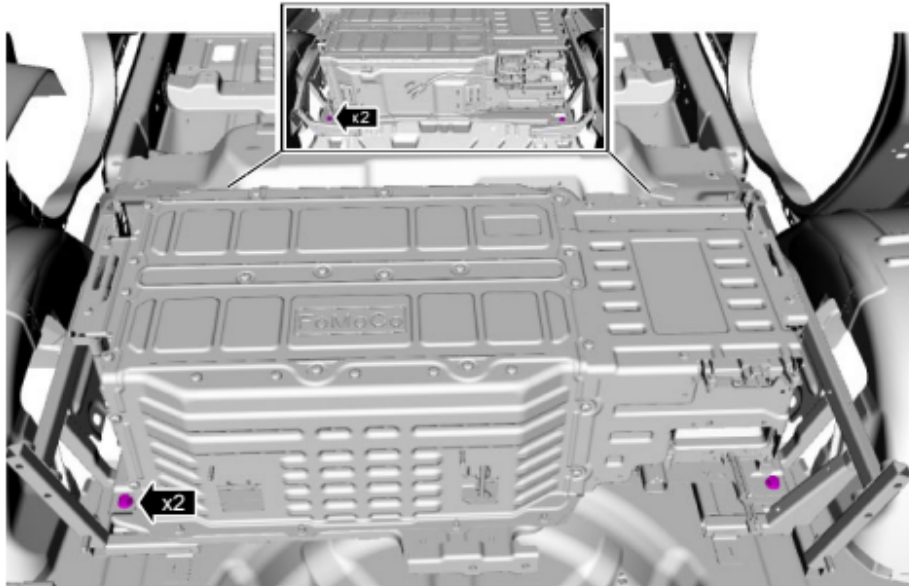


30. Remove the five HV battery fasteners.

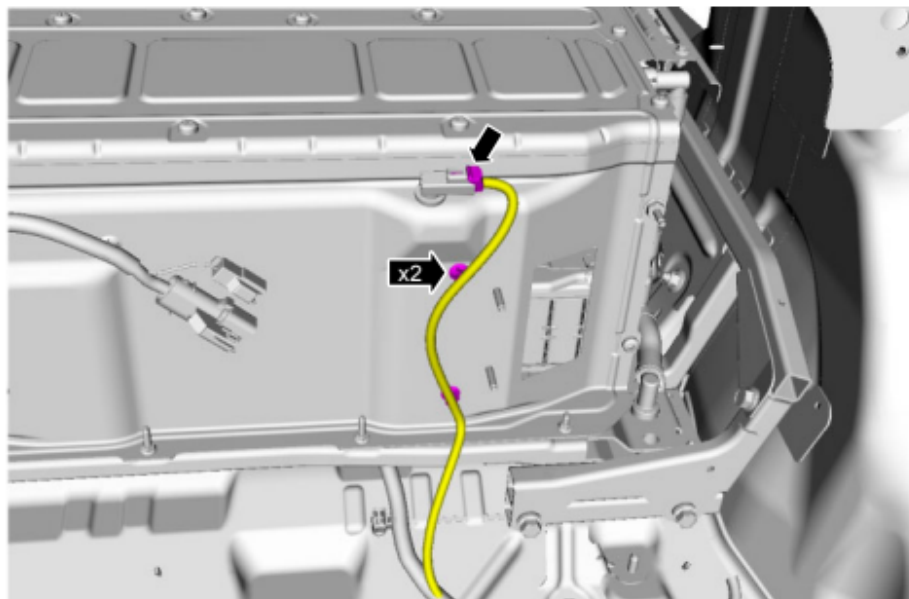


Fusion Energi only

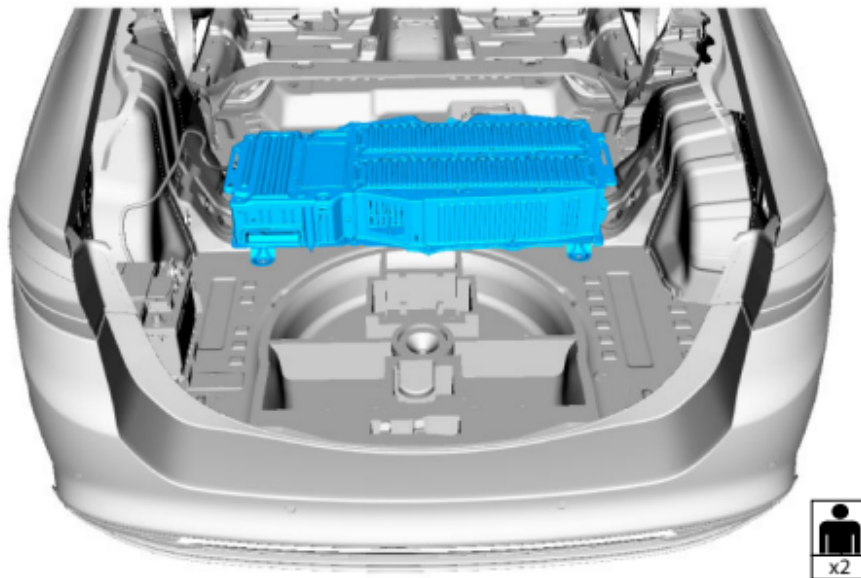
31. Remove the four HV battery fasteners.



32. Disconnect the HV battery inlet air temperature sensor electrical connector and remove the wire harness retainers from the HV battery.



With the help of an assistant, remove the HV battery.



For installation please follow the same steps in reverse order.