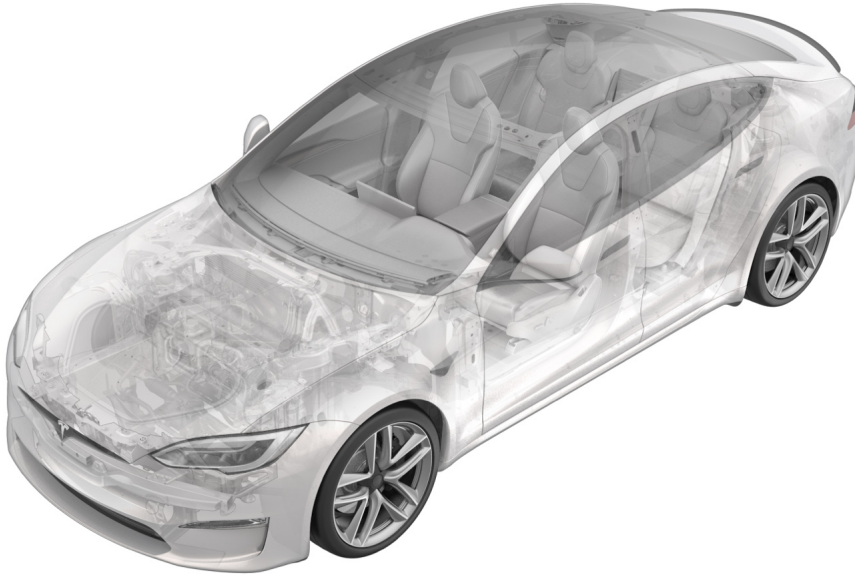


Last modified: 17/06/2022 13:31:41

# Filter - HEPA (Remove and Replace)



Correction code 18105502

FRT 0.35

**NOTE:** Unless otherwise explicitly stated in the procedure, the above correction code and FRT reflect all of the work required to perform this procedure, including the linked procedures. **Do not stack correction codes unless explicitly told to do so.**

**NOTE:** See to learn more about FRTs and how they are created. To provide feedback on FRT values, email [LaborTimeFeedback@tesla.com](mailto:LaborTimeFeedback@tesla.com).

**NOTE:** See to make sure wearing proper PPE when performing the below procedure.

## Warning

This procedure is a DRAFT, although it has been validated. Warnings and Cautions might be missing. Follow safety requirements and use extreme caution when working on or near high voltage systems and components. Provide corrections and feedback to [ServiceDevelopment@teslamotors.com](mailto:ServiceDevelopment@teslamotors.com).

## Remove

1. Move LH front seat backward.



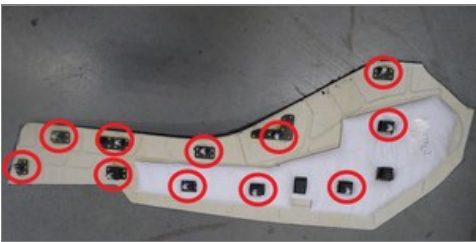
2. Remove LH front floor mat.



3. Remove LH console side carpet.



**Note**  
11x clips.



4. Release LH HEPA assembly lower dash bolt.



**Note**  
1x bolt, 10mm, 7Nm.

5. Open RH front door.



6. Lower RH front window.



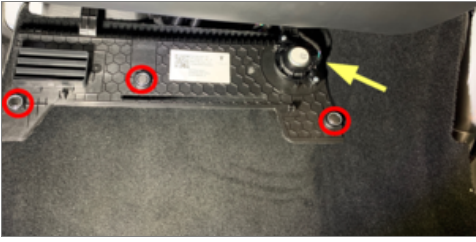
7. Move RH front seat backward.



8. Remove RH front floor mat.



9. Remove RH footwell cover.



**Note**  
3x magnets, 1x connector.

10. Remove RH mid A-pillar trim.



**Note**  
1x clip, 2x tabs.



11. Remove RH lower A-pillar trim.



**Note**  
7x clips.



12. Remove RH console side carpet.



**Note**  
11x clips.



13. Fold RH front cabin carpet aside for access.



14. Release harness from RH footrest panel.

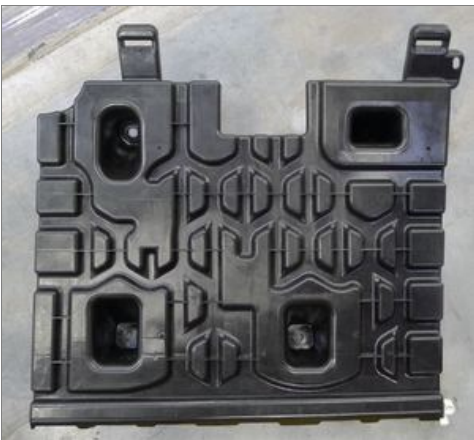


**Note**  
1x clip.

15. Remove RH footrest panel.



**Note**  
2x bolts, 10mm, 5 Nm, 1x nut, 10mm, 5 Nm.

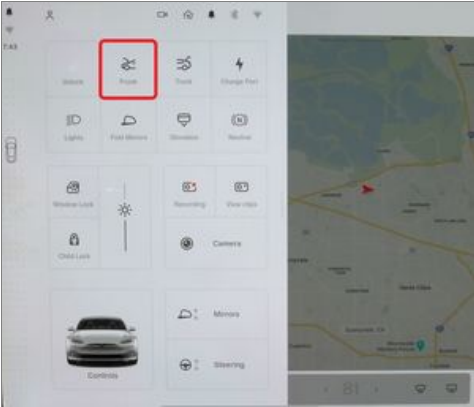


16. Release RH HEPA assembly lower dash bolt.



**Note**  
1x bolt, 10mm, 7Nm.

17. Open hood.



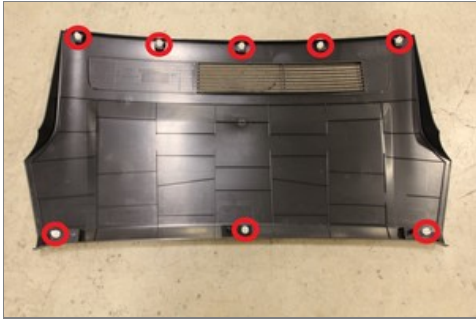
**Note**  
Using center display touchscreen > Quick Controls > Frunk Open.



18. Remove rear underhood apron.



**Note**  
8x clips.



19. Remove LH underhood apron.



**Note**  
10x clips.



20. Remove RH underhood apron.



**Note**  
10x clips.





21. Release LH wiper arm hose nozzle.



**Note**  
1x hose.

22. Remove LH wiper arm nut cover.



**Note**  
1x cover.

23. Remove LH wiper arm nut and release assembly.



**Note**  
1x nut, 15mm, 26 Nm, Do not flex wiper arm to remove, Lower the hood slightly to fit the tool.



24. Release RH wiper arm hose nozzle.



**Note**  
1x hose.

25. Remove RH wiper arm nut cover.



**Note**  
1x cover.

26. Remove RH wiper arm nut and release assembly.

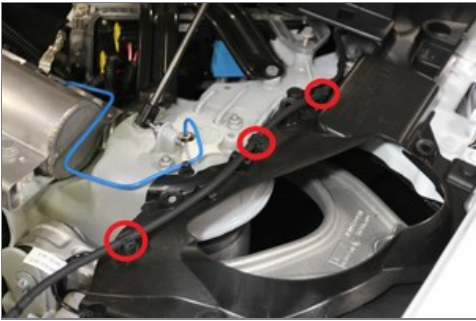


**Note**  
1x bolt, 15mm, 26 Nm.

27. Release washer hose nozzle by LH shock tower cover.



**Note**  
1x hose, 3x clips.



28. Remove LH shock tower cover.



**Note**  
3x push clips, 1x fir tree clip.

29. Remove RH shock tower cover.



**Note**  
3x push clips, 1x fir tree clip.

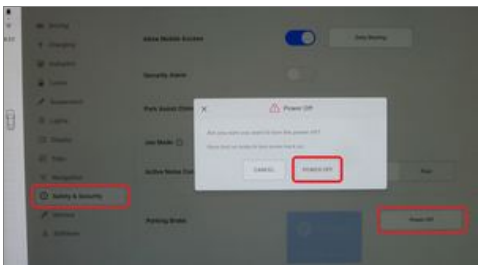
### 30 Remove wiper cowl screen panel.



**Note**  
4x push clips, 2x end tabs .

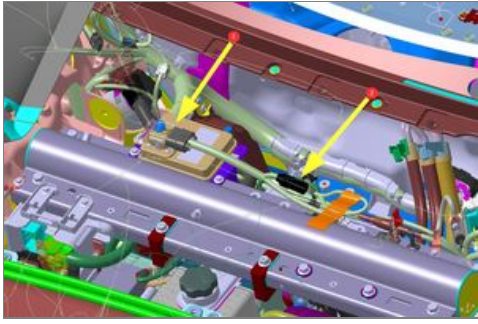


### 31. Power off vehicle from center display.

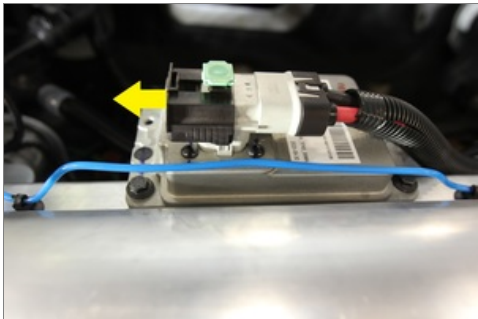
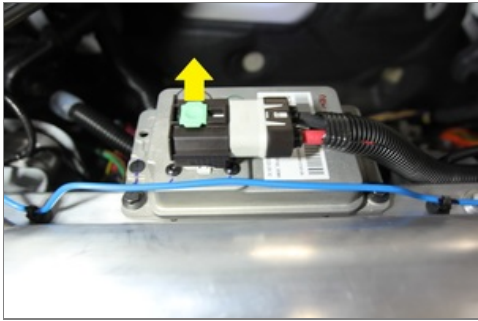


**Note**  
Via Controls > Safety & Security > Power Off.

32. Disconnect LV battery connector and First Responder Loop.



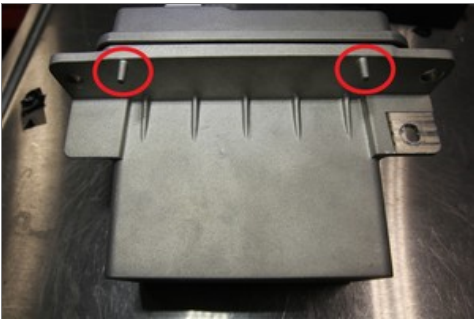
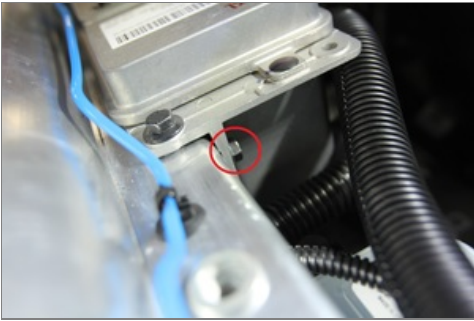
**Note**  
2x connectors, Lift up and release green locking tab, Pull black connector lock outwards to release connection.



33. Remove fasteners securing the LV battery and remove assembly.



**Note**  
3x bolts, 10mm, 9 Nm, 2x locators.



34. Remove fasteners securing LH V-brace and remove assembly.



**Note**  
3x bolts, 10mm, 18 Nm, 1x nut, 10mm, 9 Nm.

35. Remove fasteners securing RH V-brace and remove assembly.



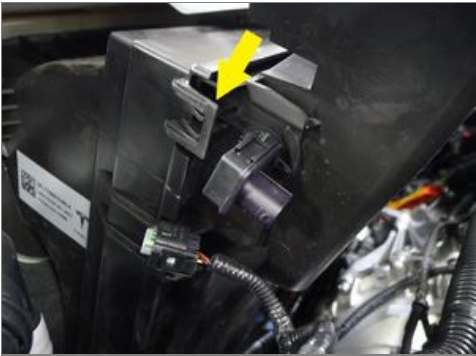
**Note**  
3x bolts, 10mm, 18 Nm, 1x nut, 10mm, 9 Nm.

36. Disconnect air quality sensor harness.



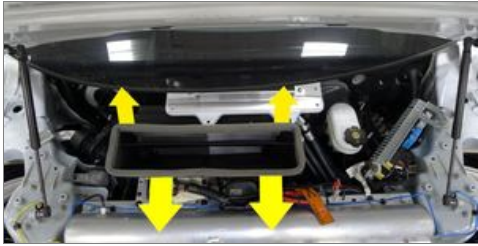
**Note**  
1x connector.

37. Remove HEPA filter assembly cover.

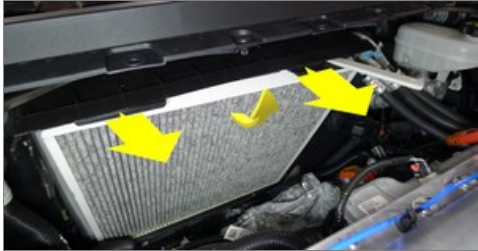


**Note**  
2x tabs, Maneuver cover forward and up in front of V-brace cross member.





38. Remove HEPA filter.



**Note**  
2x clips, Release clips, Pivot filter forward and out of housing.

39. Release battery coolant pump from bracket.



**Note**  
1x clip, Slide pump off bracket and position lower coolant hose clear of HEPA assembly.

40. Release V-brace crossmember.



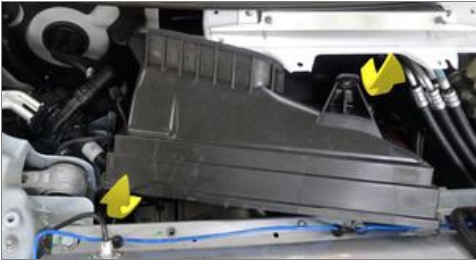
**Note**  
2x nuts, 10mm, Torque?.

41. Remove HEPA housing assembly.



**Note**  
2x nuts, 10mm, 7 Nm, Rotate V-brace cross member forward to create access to HEPA assembly retaining nuts, Maneuver assembly forward and up out of vehicle.





## Install

1. Install HEPA housing assembly.



**Note**  
2x nuts, 10mm, 7 Nm, Maneuver assembly down and under cross member, Rotate V-brace crossmember bracket back to install position.



## 2. Secure V-brace crossmember.



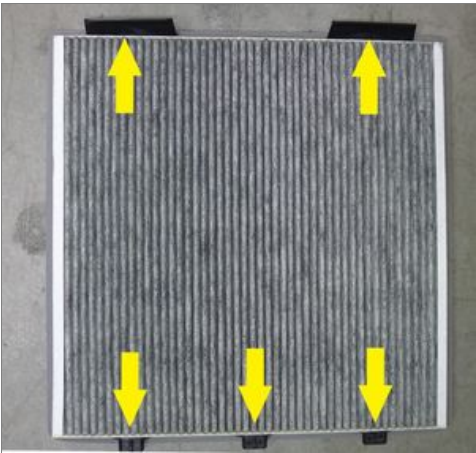
**Note**  
2x nuts, 10mm, Torque?.

## 3. Secure battery coolant pump to bracket.



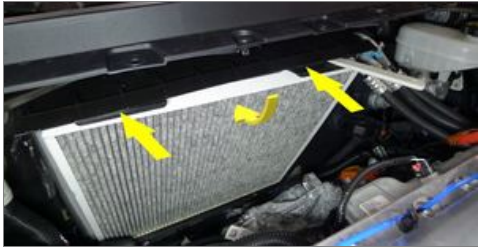
**Note**  
1x clip, Slide pump on to bracket and secure lower coolant hose to bracket.

## 4. Install HEPA filter.



**Note**  
3x datums, 2x clips, Align 3 datums into bottom of housing, Confirm air flow direction, Ensure clips lock and secure filter into housing.

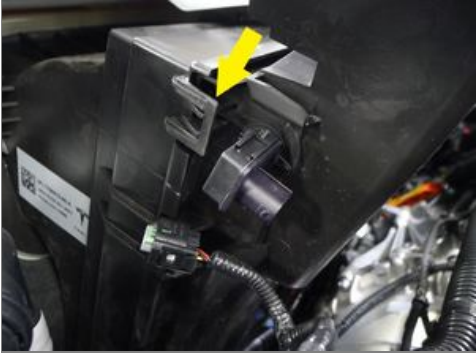




5. Install HEPA filter assembly cover.

**Note**  
2x tabs, 2x datums, 2x slots, Maneuver cover down and under V-brace cross member, Fully engage seal and locking tabs.





6. Connect air quality sensor harness.



**Note**  
1x connector.

7. Install fasteners securing RH V-brace and secure.



**Note**  
3x bolts, 10mm, 18 Nm, 1x nut, 10mm, 9 Nm.

8. Install fasteners securing LH V-brace and secure.



**Note**  
3x bolts, 10mm, 18 Nm, 1x nut, 10mm, 9 Nm.

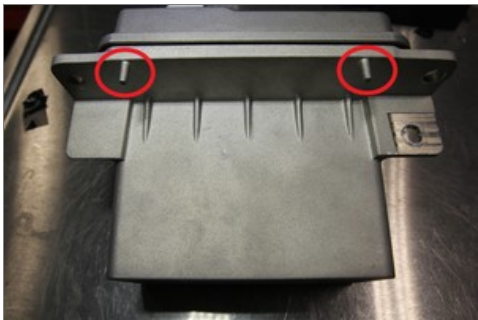
9. Install wiper cowl screen panel.



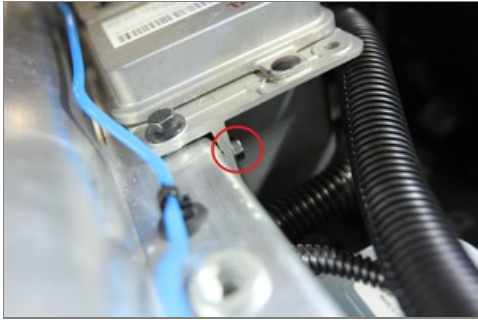
**Note**  
4x push clips, 2x end tabs.



10. Install LV battery to multi-system beam.



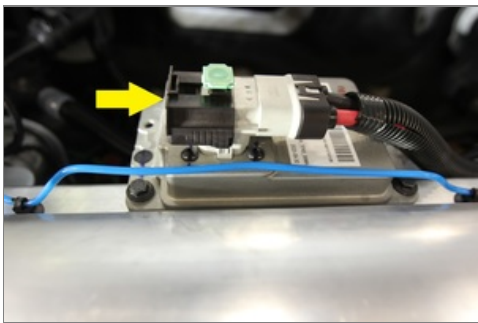
**Note**  
3x bolts, 10mm, 9 Nm, 2x locators.

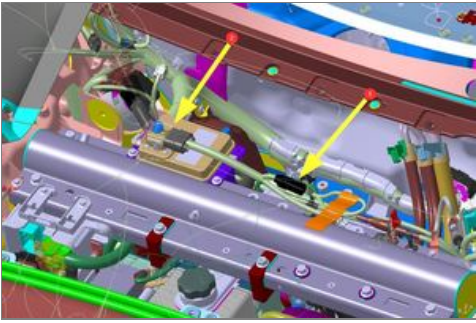
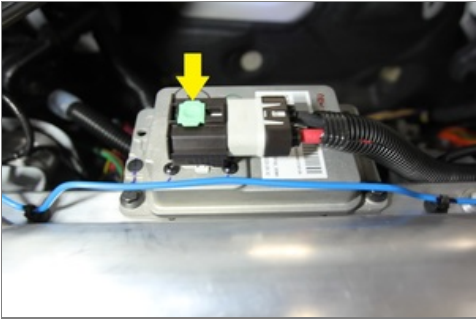


11. Connect First Responder Loop and LV battery connector.

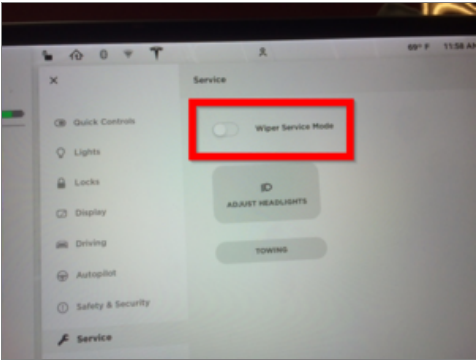


**Note**  
2x connectors Secure FRL first, Seat LV battery connection and push black connector lock inwards to secure, Engage green locking tab when fully seated.





12. Using center display, remove wipers from "Service Mode".



13. Install RH wiper arm assembly and secure nut.



**Note**  
1x nut, 15mm, 26 Nm, Line up wiper to reference mark on windshield.



14. Install RH wiper arm nut cover.



15. Secure RH wiper arm washer nozzle.



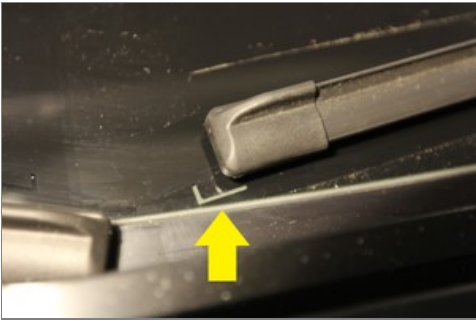
**Note**  
1x hose, Hose is routed below the arm.





**16.** Install LH wiper arm assembly and secure nut.**Note**

1x nut, 15mm, 26 Nm, Line up wiper to reference mark on windshield.

**17.** Install LH wiper arm nut cover.**18.** Secure LH wiper arm washer nozzle.**Note**

1x hose, Hose is routed below the arm.



19. Install RH shock tower cover.



**Note**  
3x push clip, 1x fir tree clip.

20. Install LH shock tower cover.

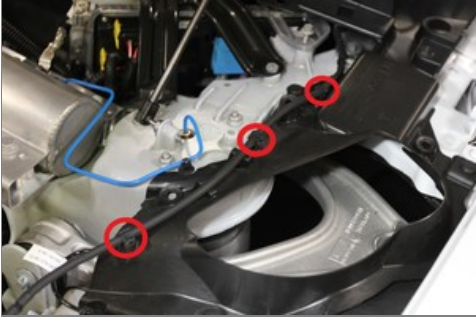


**Note**  
3x push clip, 1x fir tree clip.

21. Secure washer hose nozzle by LH shock tower cover.



**Note**  
1x hose, 3x clips.



22. Install RH underhood apron.



**Note**  
10x clips.



23. Install LH underhood apron.



**Note**  
10x clips.



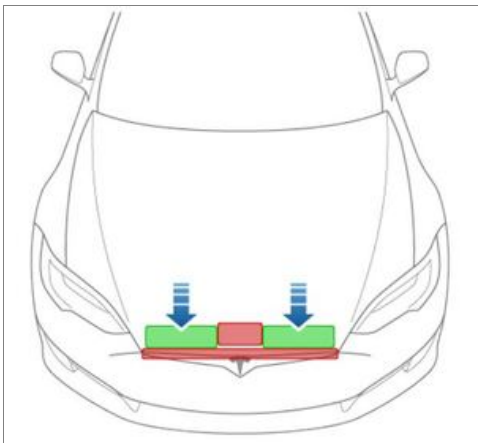
24. Install rear underhood apron.



**Note**  
8x clips.



25. Close hood .



**Note**  
Press firmly in green highlighted areas (see image), Damage may result from pressure elsewhere on hood.

## 26. Secure RH HEPA assembly lower dash bolt.

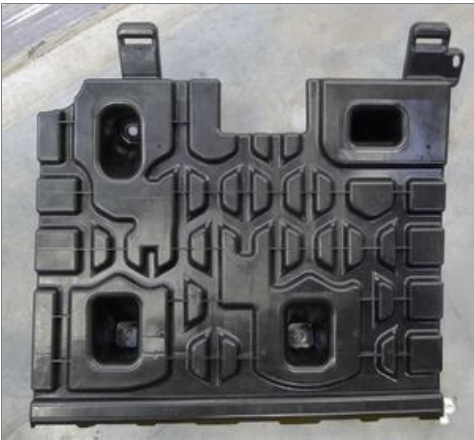


**Note**  
1x bolt, 10mm, 7Nm.

## 27. Install RH footrest panel.



**Note**  
2x bolts, 10mm, 5 Nm, 1x nut, 10mm, 5 Nm.



## 28. Secure harness to RH footrest panel.



**Note**  
1x clip.

29. Fold RH main carpet back into place.



30. Install RH mid A-pillar trim.



**Note**  
1x clip, 2x tabs, Verify weather seal is seated properly.



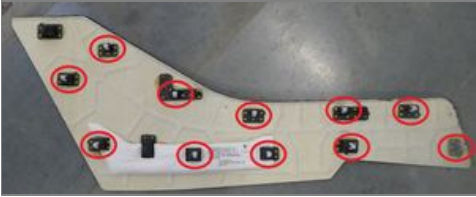
31. Install RH lower A-pillar trim.



**Note**  
7x clips, Verify weather seal is seated properly.



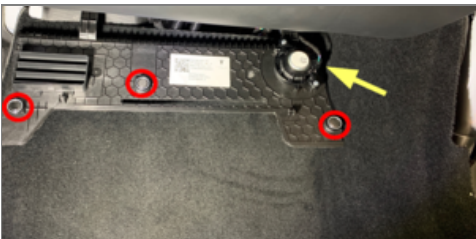
32. Install RH console side carpet.



**Note**  
11x clips.



33. Install RH footwell cover.

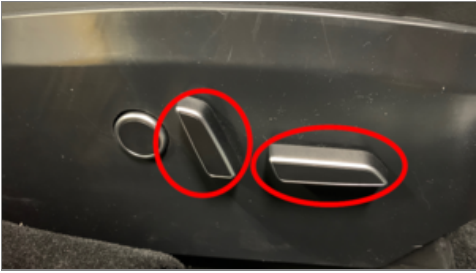


**Note**  
3x magnets, 1x connectors.

34. Install RH front floor mat.



35. Move RH front seat to original position.



36. Raise RH front window.



37. Close RH front door.



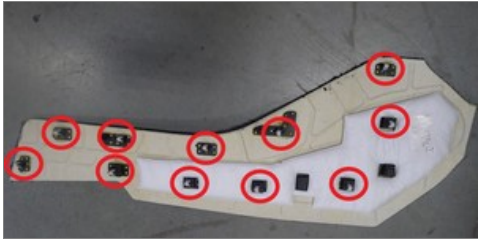


38. Secure LH HEPA assembly lower dash bolt.



**Note**  
1x bolt, 10mm, 7Nm.

39. Install LH console side carpet.



**Note**  
11x clips.



40. Install LH front floor mat.



41. Move LH front seat to original position.

