



## Volvo Chassis - Hood Release Cable Binding Or Broken



All Volvo Trucks built between February 5, 2018 and February 28, 2022.

Some Volvo trucks may experience hood cable binding or breakage due to routing under the dash. If the above condition is found, replace the damaged cable(s) as necessary using the following routing and securing instructions provided below.

### Parts

Items	Part Description	Part Number	Quantity
1	L Bracket	965558	1
2	Cable Tie	8079360	1
3	Cable Tie	25375554	1
4	Hood Cable (RH)	See Impact (VIN)	As Necessary
5	Hood Cable (LH)	See Impact (VIN)	As Necessary
6	Hood Latch (RH)	23941211	As Necessary
7	Hood Latch (LH)	23941196	As Necessary

### Repair Procedure

This step contains 2 alternatives. Select one of the valid alternatives below:

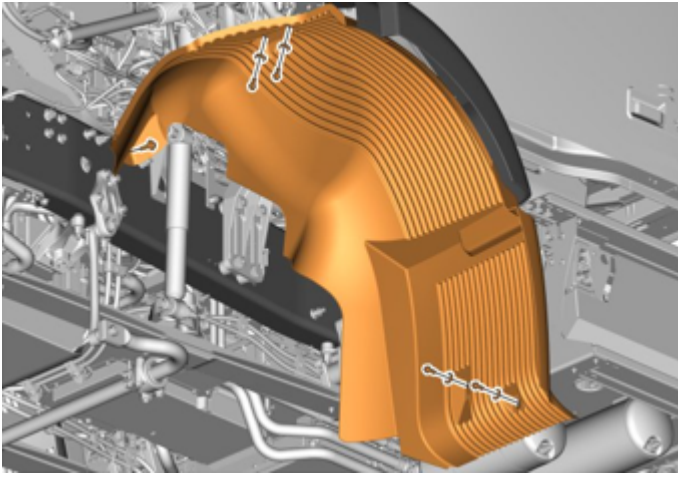
#### Alternative 1

##### Conditions

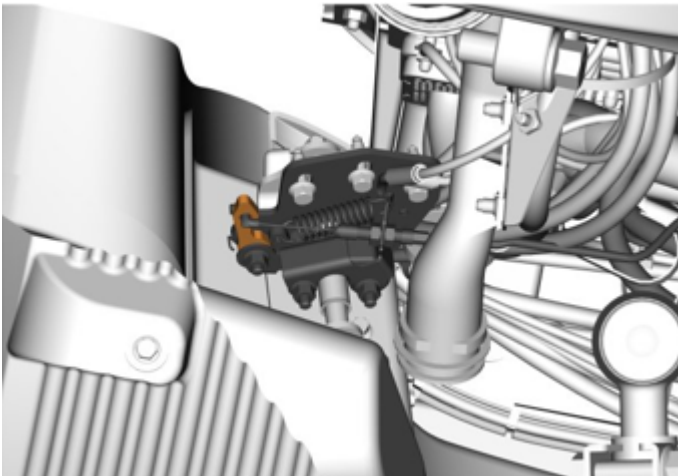
If the cable is broken:

1. Remove the screws.
2. Remove the washers.
3. Remove the wheel arch liner.





4. Unlatch and raise the hood manually.



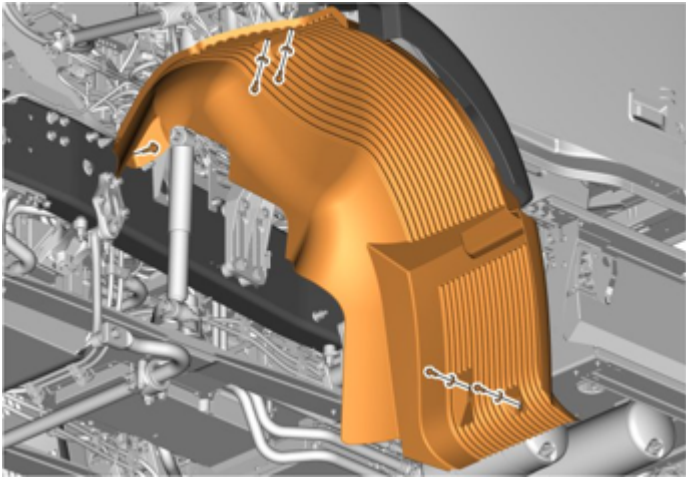
5. Install the wheel arch liner.

6. Install the washers.

7. Install the screws.

8. Torque tighten the screws.

Tighting Torque	
Screw	M8
	24 ± Nm



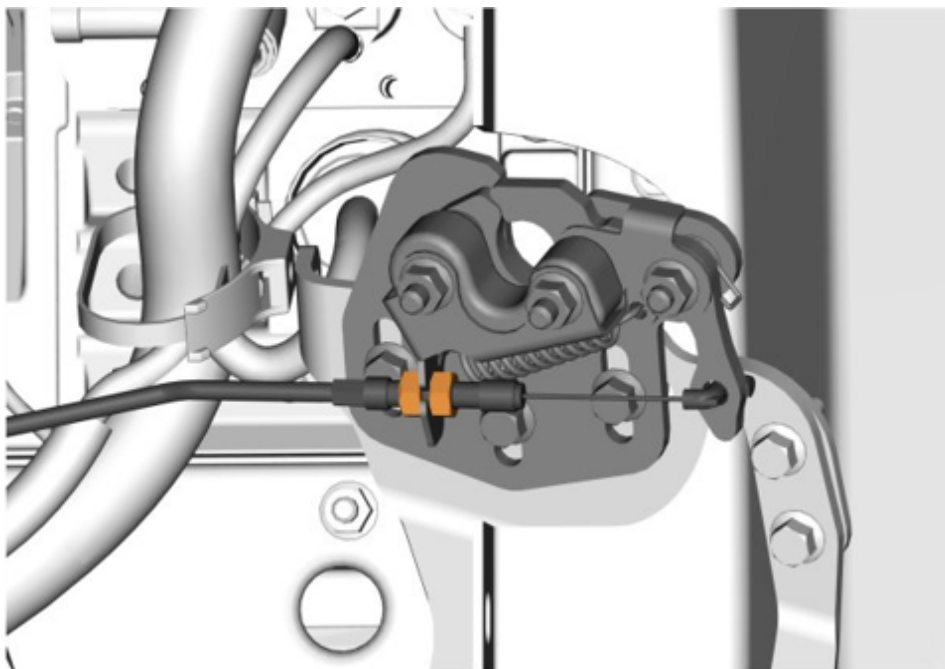
## Alternative 2


### Conditions

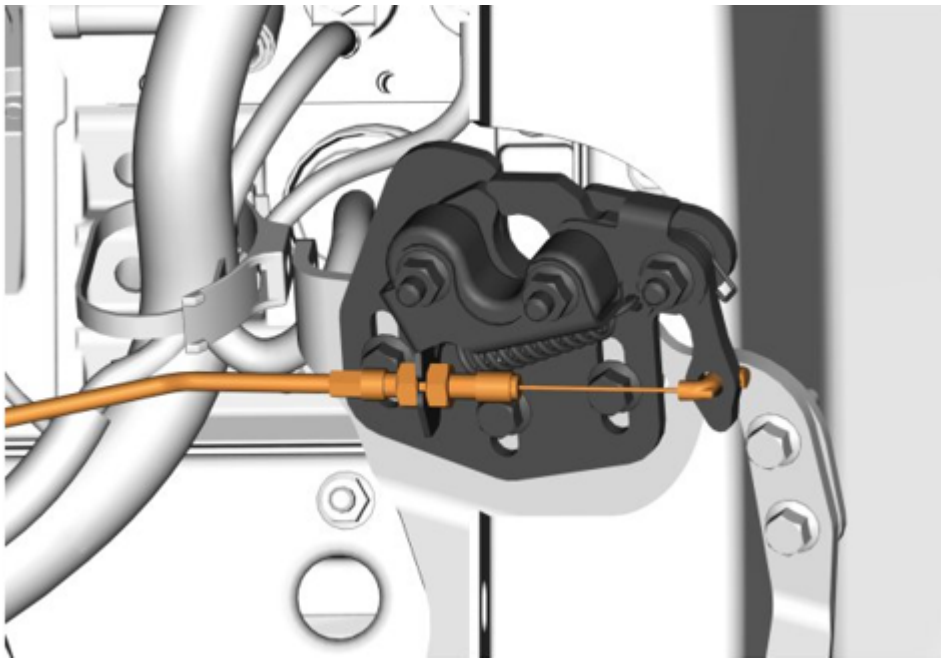
If the cable is not broken

- Unlatch and raise the hood.

1. Loosen the adjustment nuts on the hood cable latches as shown below.



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ove the release cable.



New Hood Latches and Hood Cables have been released for all VN models. Please follow all of the steps below to install the complete, updated solution to prevent continued binding or breakage.

3. Determine if Old Latches or New Latches are installed: New Latches P/N 23941196 (LH), 23941211 (RH) have a silver lever and no longer require the additional L-bracket.

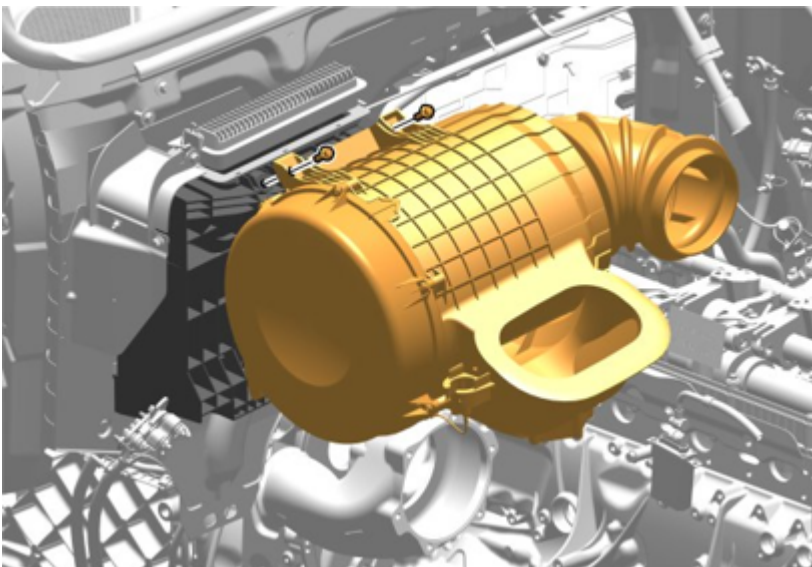


If lever on the latch is black, remove the old latches and attached L-Brackets. Latches with a black lever were found to have a burr which caused it to catch.

4. Make sure L-Bracket is no longer installed and removed:

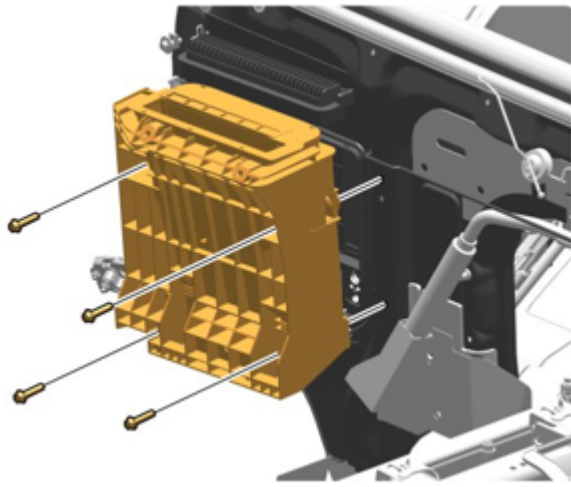


5. Remove the air cleaner by removing the screws shown below.



6. Remove the mounting bracket.

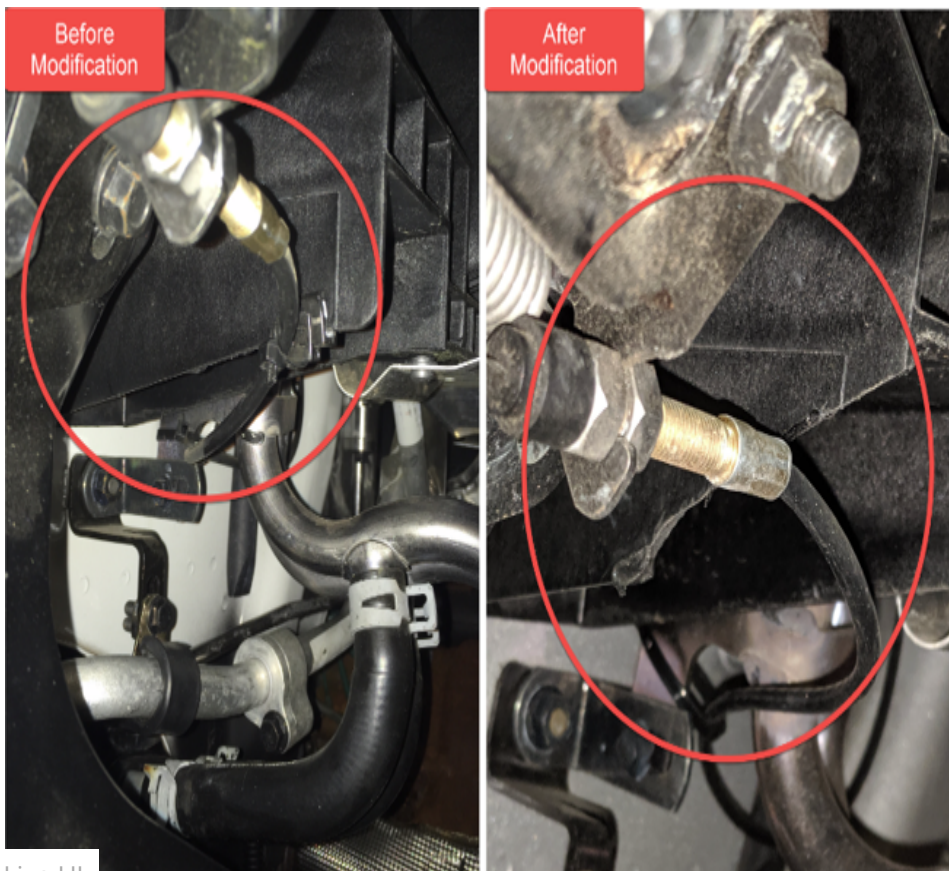




### Airbox Modification (CBR-434)

In some cases, the corner of the airbox was causing premature wear of the hood cable sheathing. For vehicles affected by this issue, the corner of the air box will need to be modified:

7. Confirm that the Airbox and cable routing has been modified.



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8. If it has been modified and is routed as above, continue to step 9. If not, complete the actions in **CBR-434**.

## Dash Components

### Passenger Side Dash Panel

9. Remove the screw cover for the grab bar on the A-Pillar.

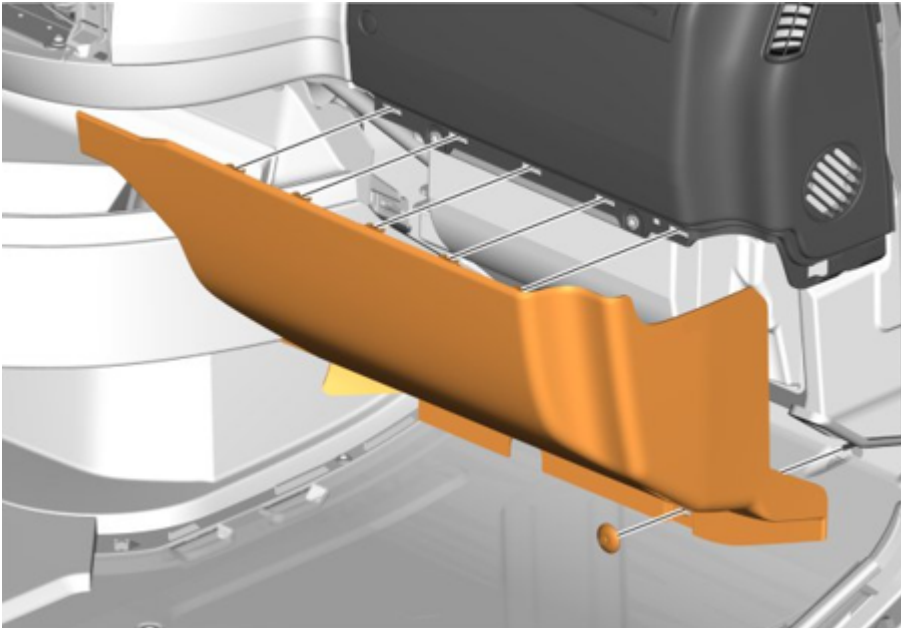
10. Remove the screws.

11. Remove the handle.



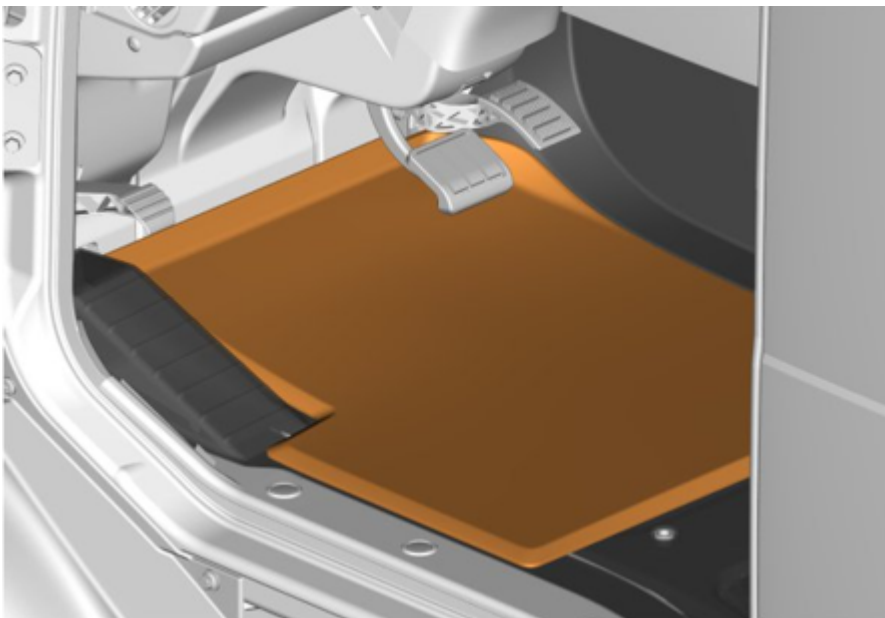
12. Remove the retainer.

13. Remove the panel.



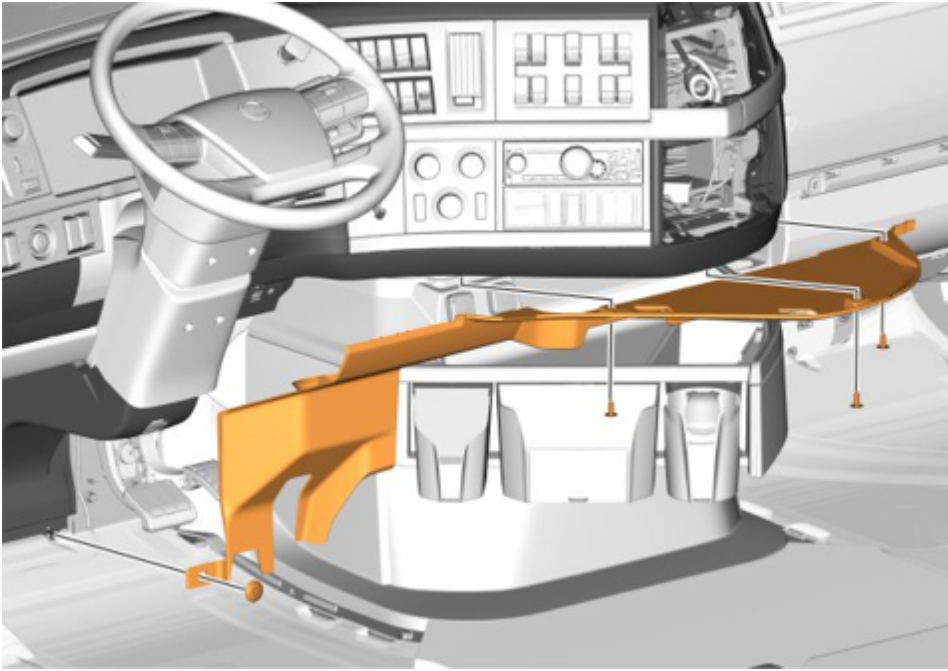
### Driver's Side Dash Components

14. Remove the floor mat.

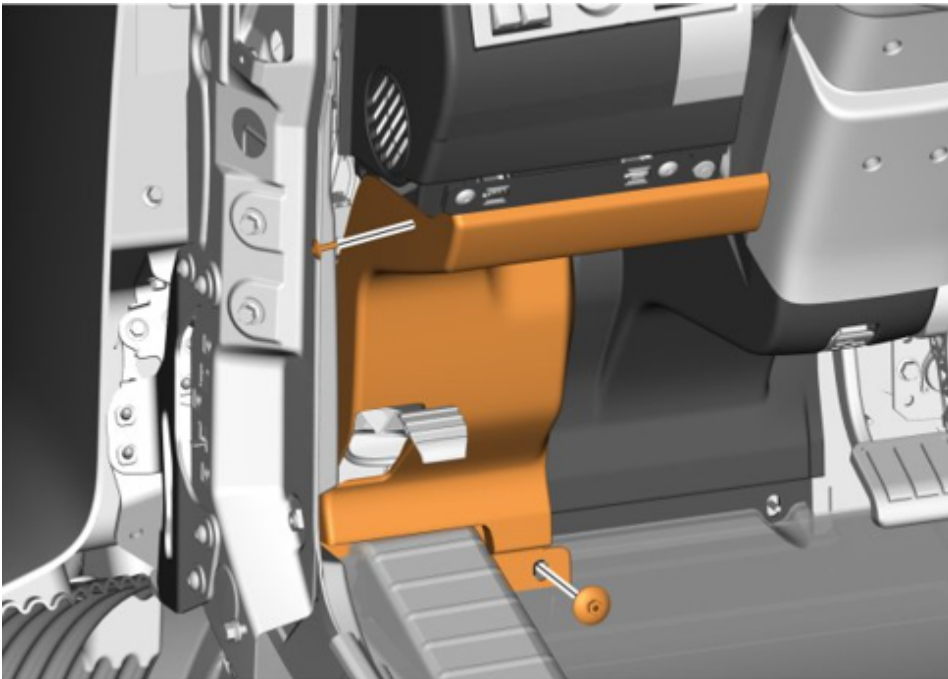


15. Remove the retainer and plastic rivets under the dash and remove panel.

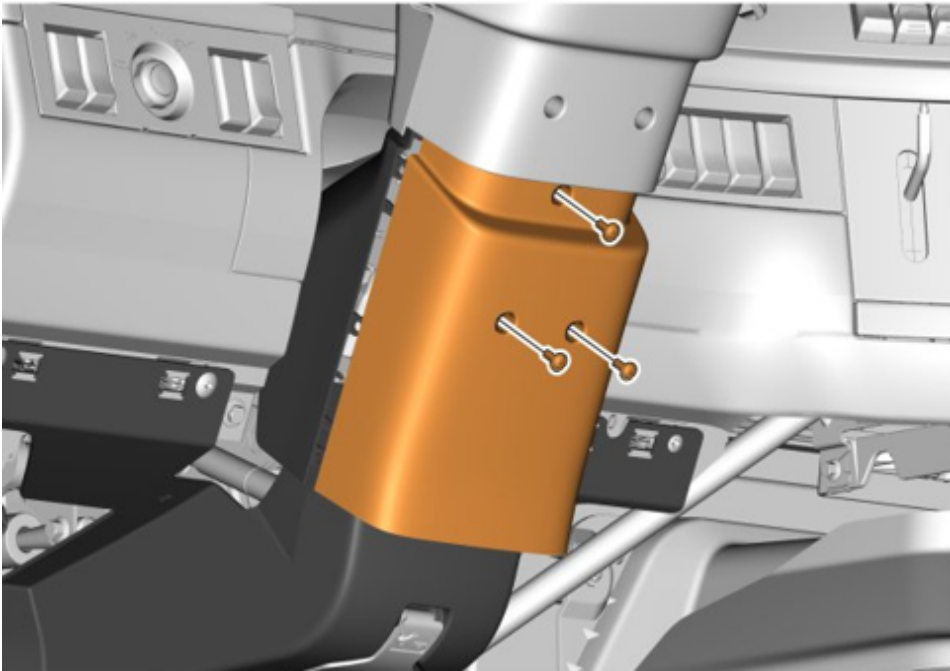




16. Remove the kick plate panel to the left of the steering column by removing the screws and retainer.

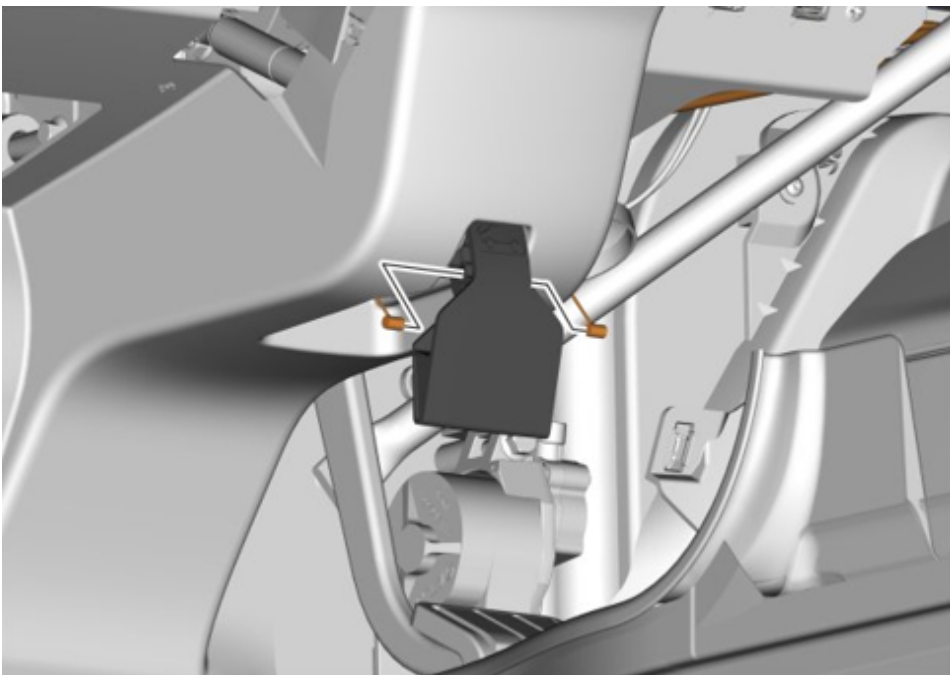


17. Remove the steering column cover (3 screws).



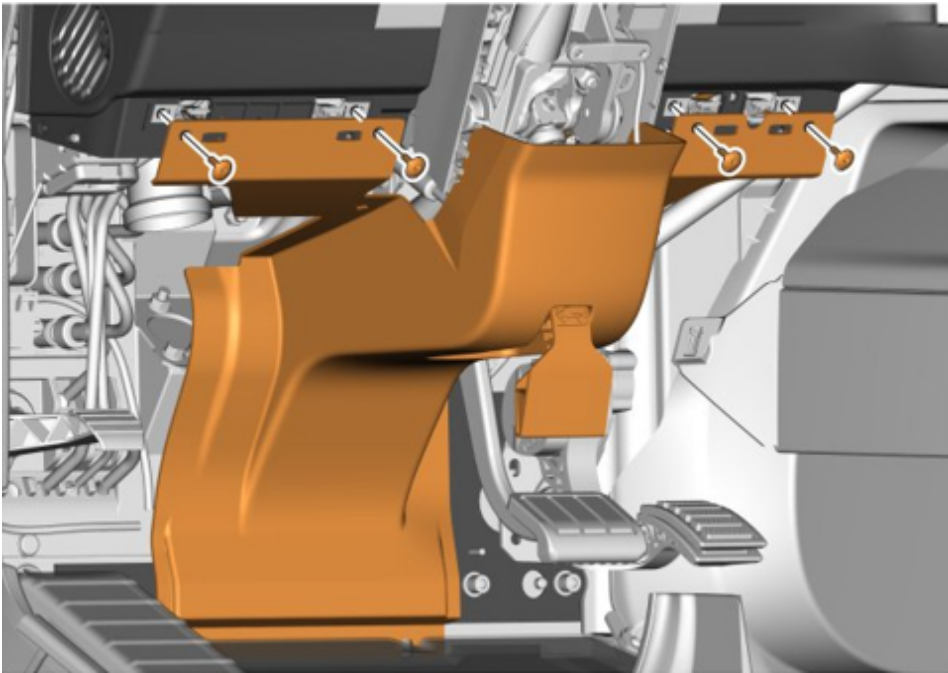
18. Release the cables from the pull handle below the steering wheel.

Note: Remove cable ties as needed.



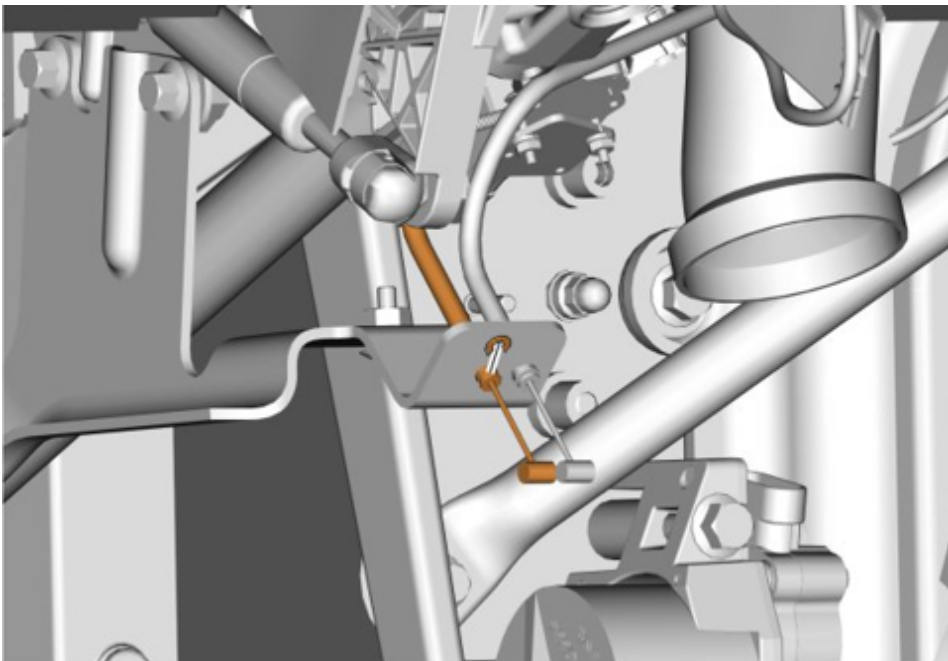
19. Remove the screws and remove the lower steering column panel.

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20. Remove the E-Circlip and remove the cable ties.

21. Release the cables.

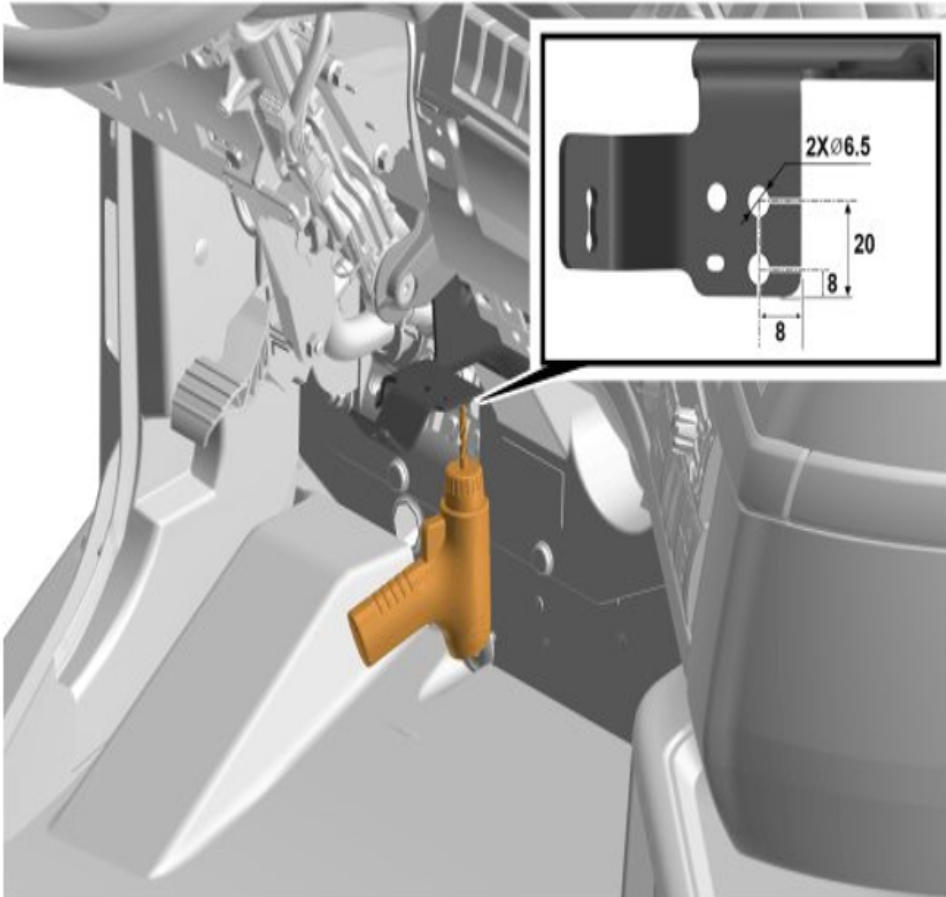


### **Pedal Carrier/Hood Release Bracket Modification**

In some vehicles, the hood cable was pinched and cut beneath the  Live UI g wheel column. The following repair outlines how to improve

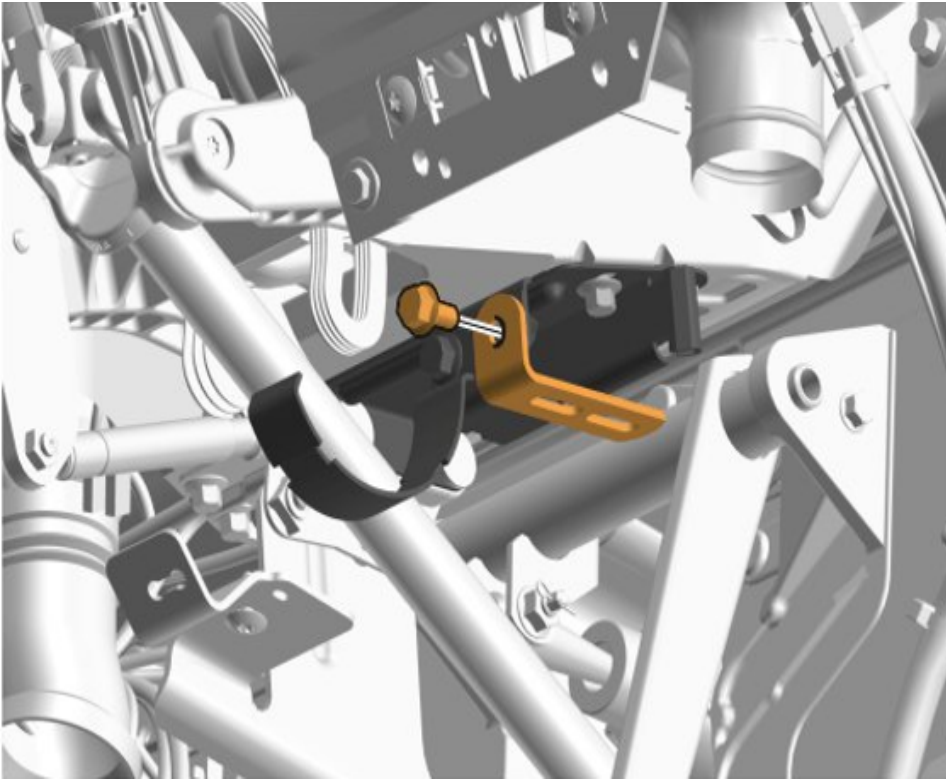
alignment under the dash to prevent breakage.

22. Drill two 6.5 mm holes in the existing cable mounting bracket as seen in the illustration below.

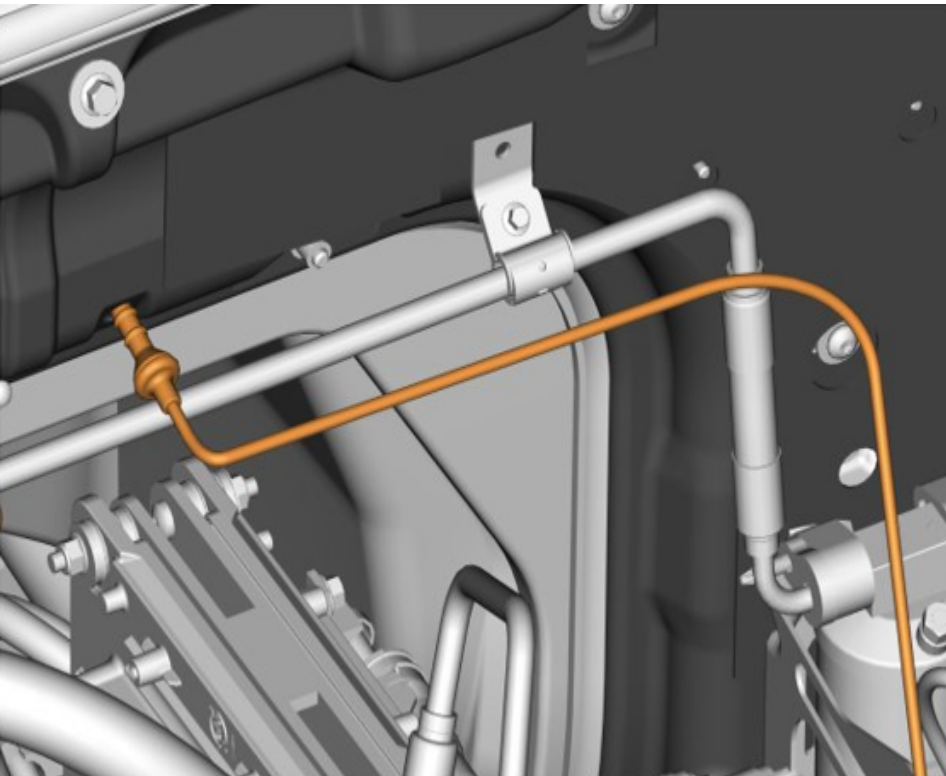


23. Add L Bracket using the existing screw and torque to spec.

<b>Tightening Torque</b>	
Screw	M8
	36Nm (26 ft lbs)



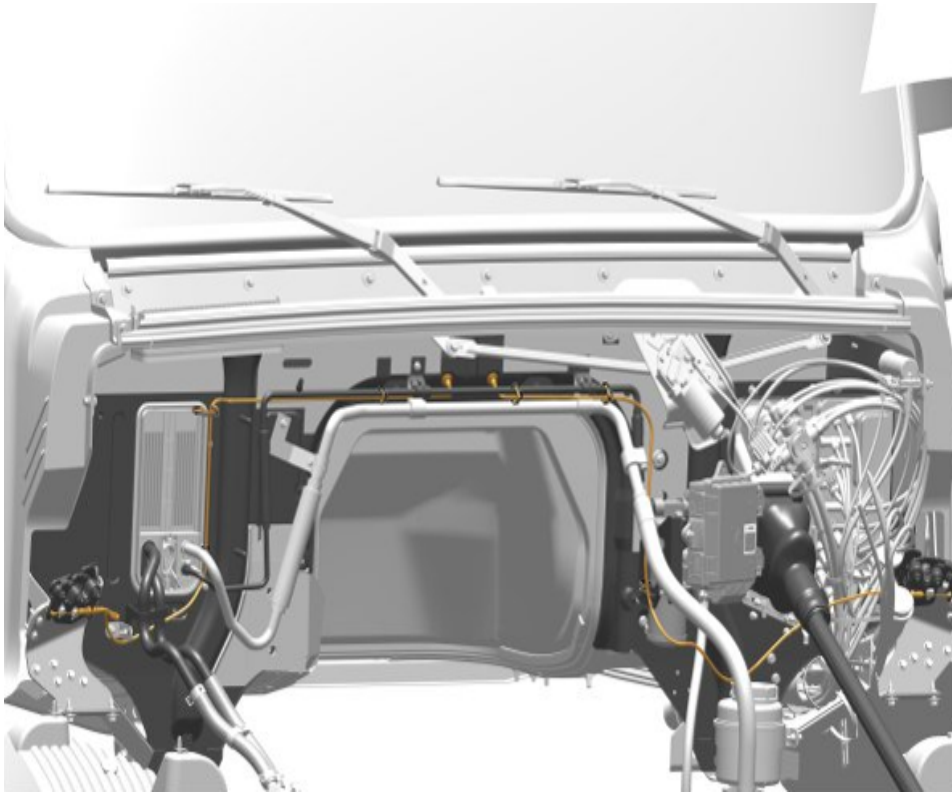
24. If replacing the cables, carefully remove the cables and draw back out through the firewall.





25. Remove the cable ties and note the positions with a paint marker or pieces of tape.

26. Carefully draw the cable through the hole in the firewall.

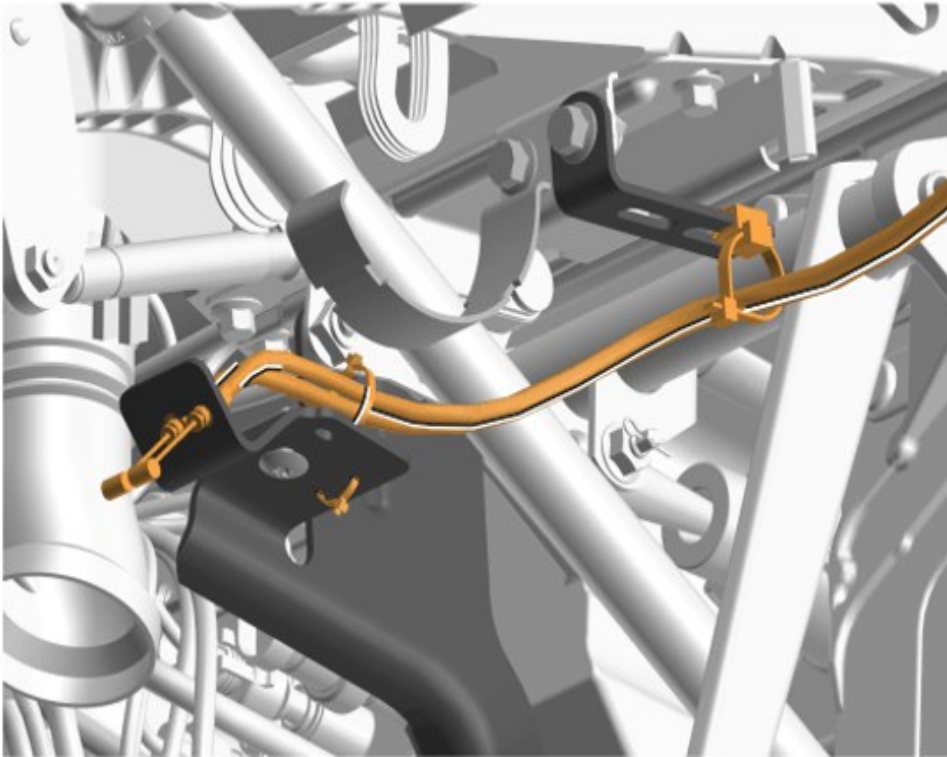


27. Install the cable and route as shown above.

Inside the cab, make sure the hood cables are routed to the right of the steering shaft.

28. Secure the cables to the existing mounting bracket using a double headed zip tie. (Shown below)

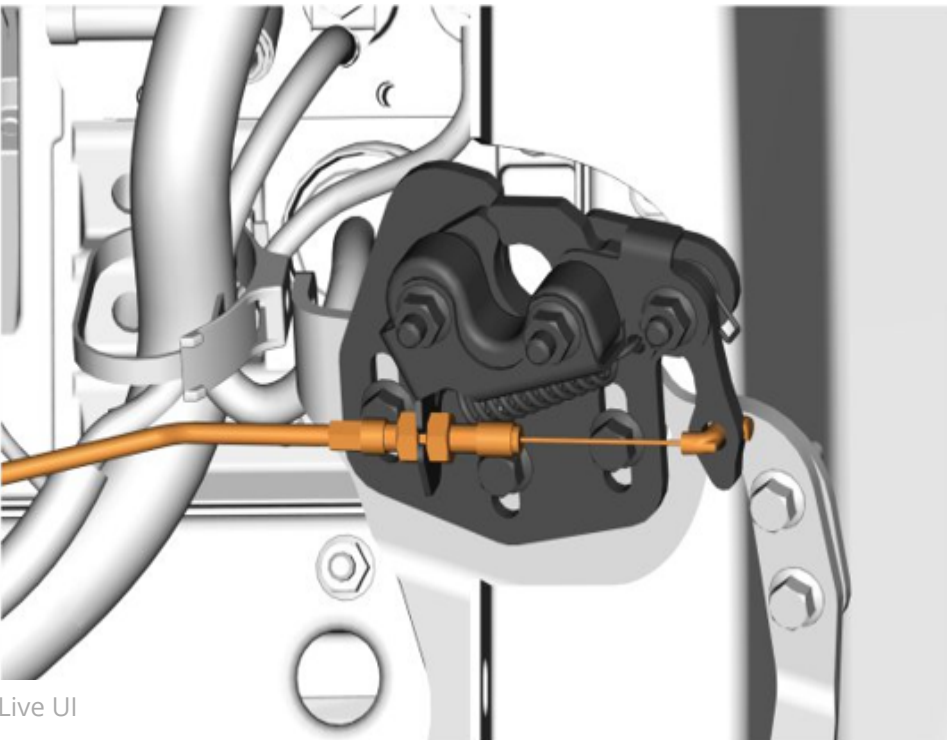




29. Secure the cables to the L Bracket using an edge clip and tie.  
(Shown above)

Verify that the cables are not binding or rubbing the steering shaft.

30. Install the release cables at the latch.



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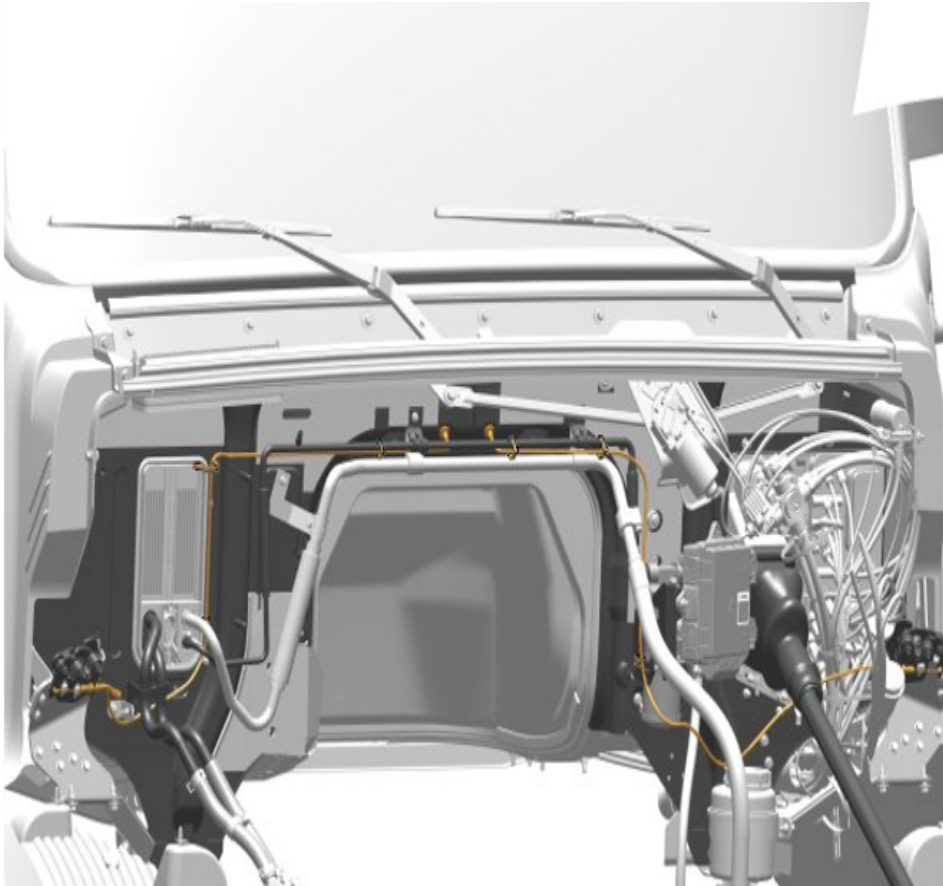
31. Torque tighten the adjustment nuts.

Tightening Torque	
Release cable, nut	6 ± 2 NM

32. Check Hood cable operation and confirm that hood cables are adjusted properly at the latch.

The cable is adjusted when it is straight without tension.

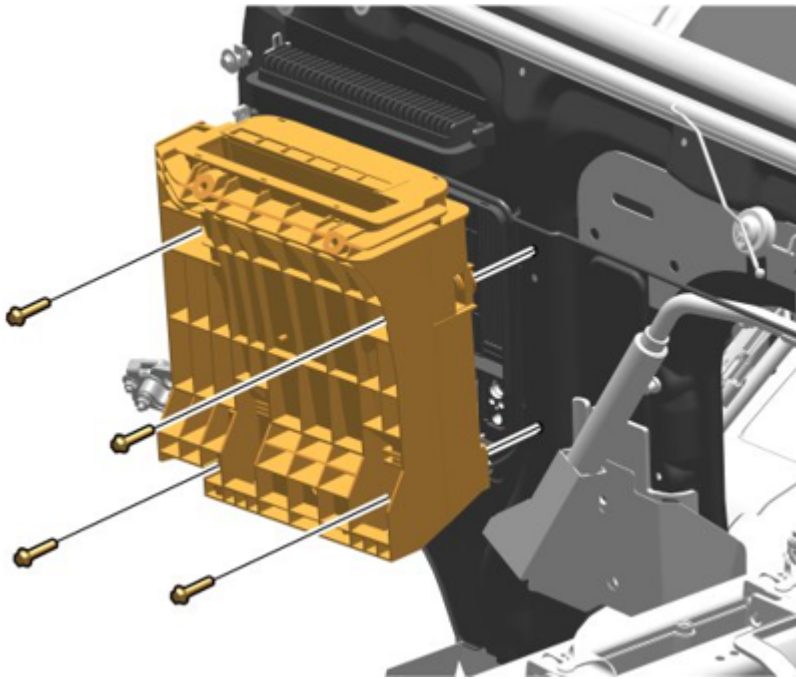
33. Install cable ties and confirm that none of them are binding or pinching the cables and are not over tightened.



34. Install the mounting bracket.

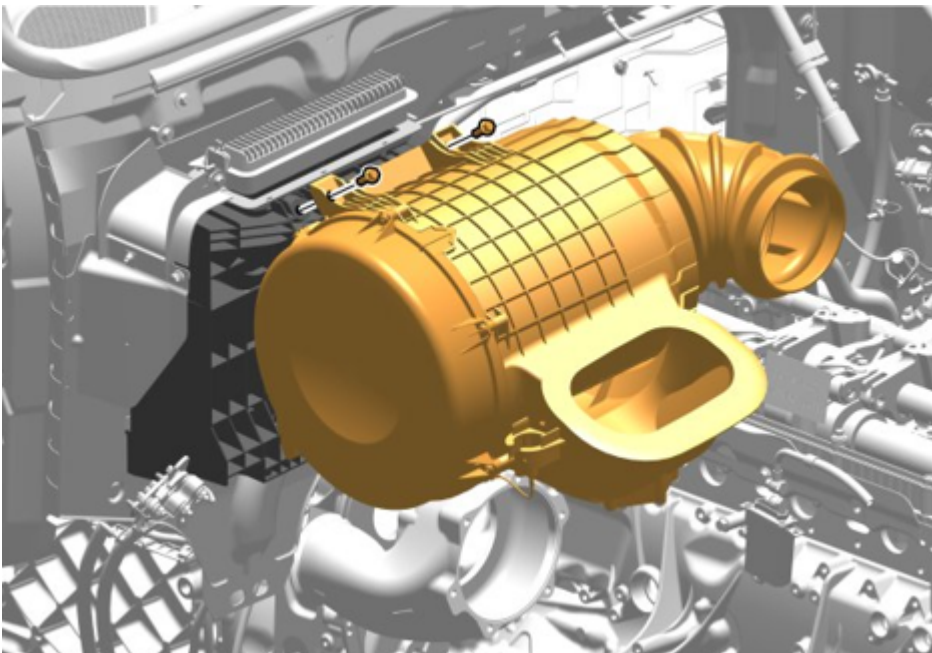
35. Install the screws.

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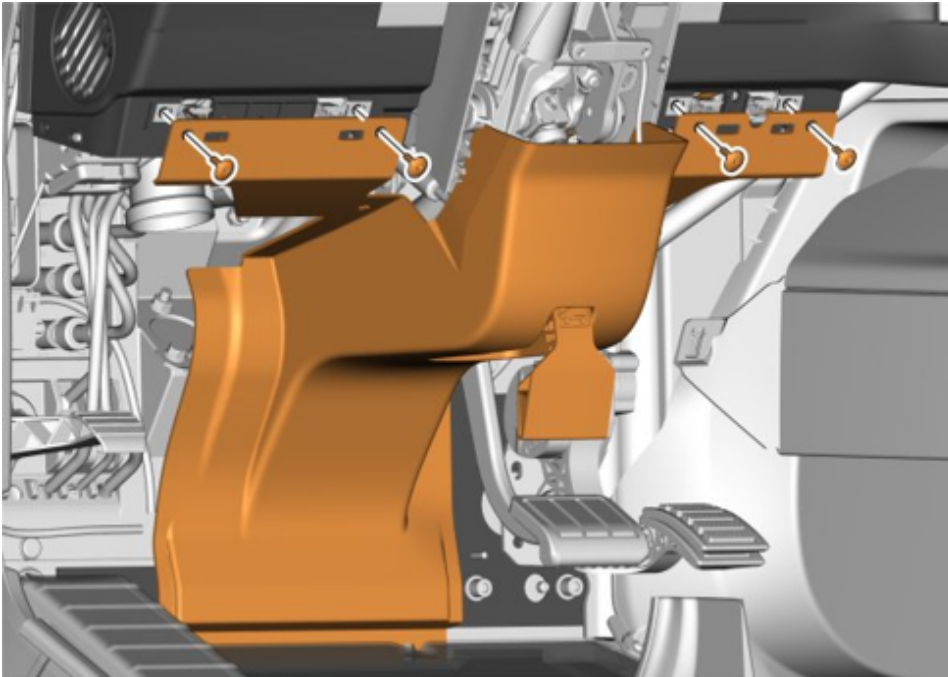


36. Install the air cleaner.

37. Install the screws.



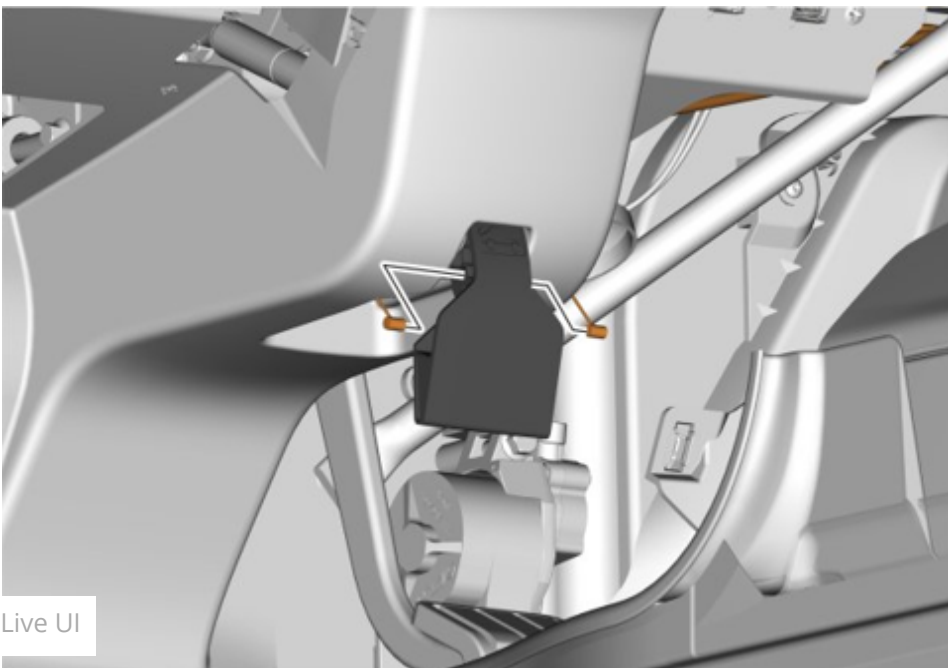
38. Install the dash panels under the steering column



39. Install the screws and torque to specification.

Tightening Torque	
Dashboard, panel,screw	M4
	1.5 ± 0.5 Nm

38. Reattach cable ends to the pull handle.



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39. Install the steering panel cover.

40. Install the screws.

41. Torque tighten the screws.

Tightening Torque	
Steering column, cover,screw	M4
	1.5 ± 0.5 Nm

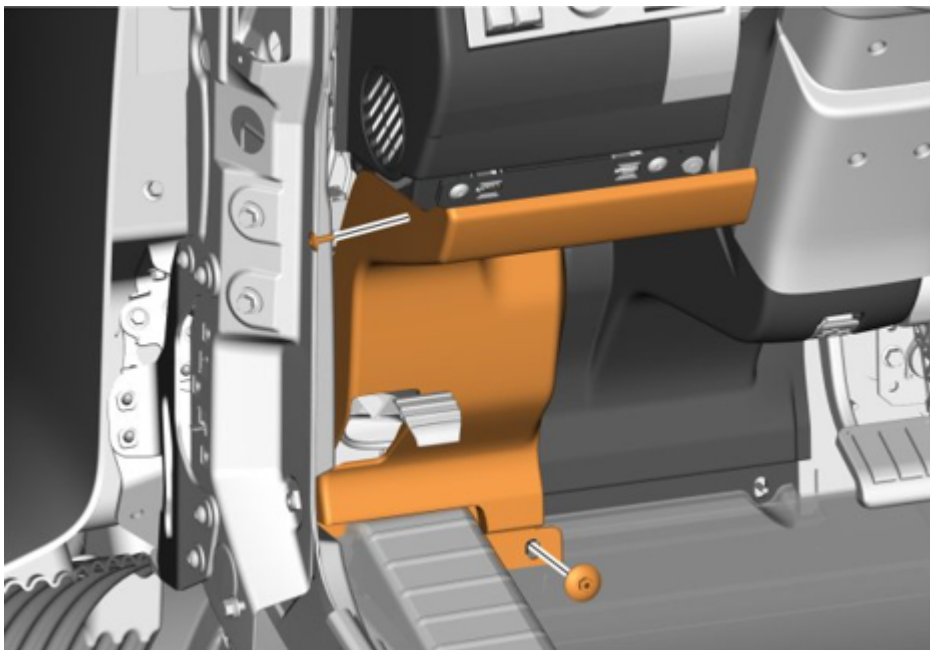
42. Install the side kick panel.

43. Install the retainer.

44. Install the screw.

45. Torque tighten the screw.

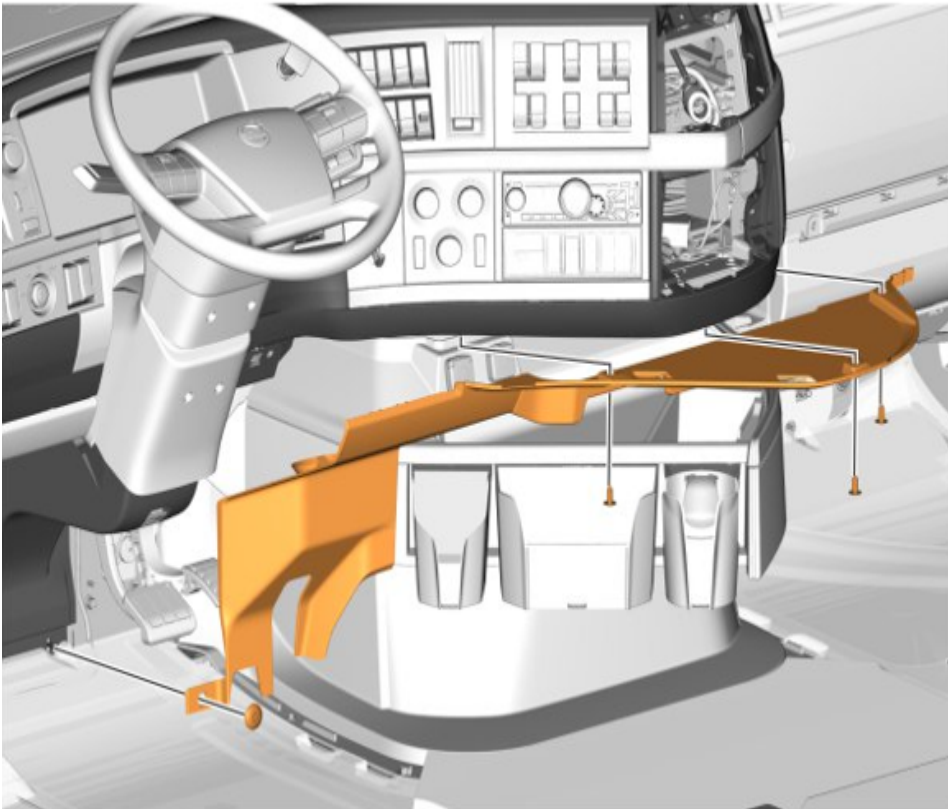
Tightening Torque	
Dashboard,panel,screw	M4
	1.5 ± 0.5 Nm



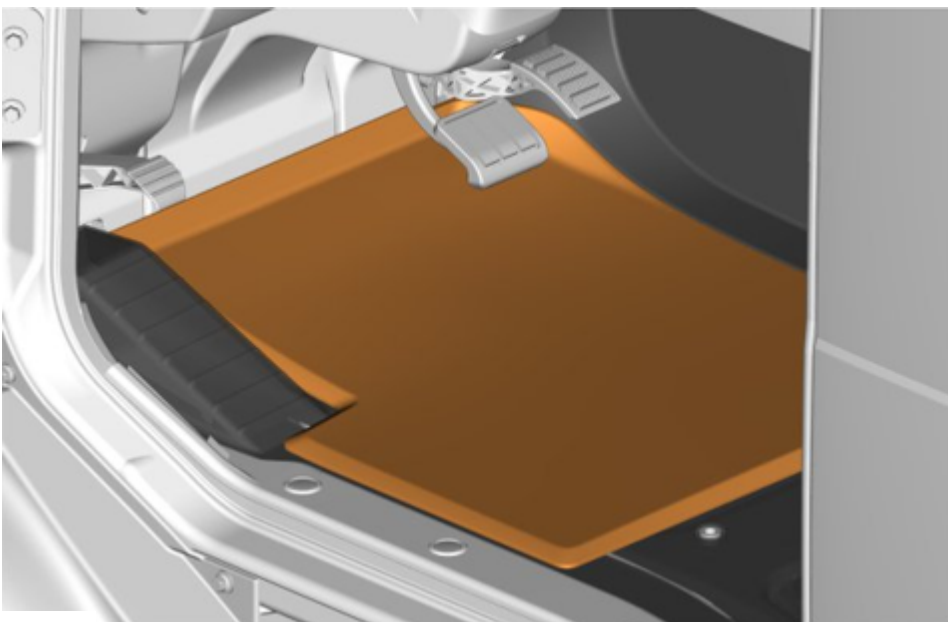


47. Install the plastic rivets.

48. Install the retainer.



49. Install the floor mat.

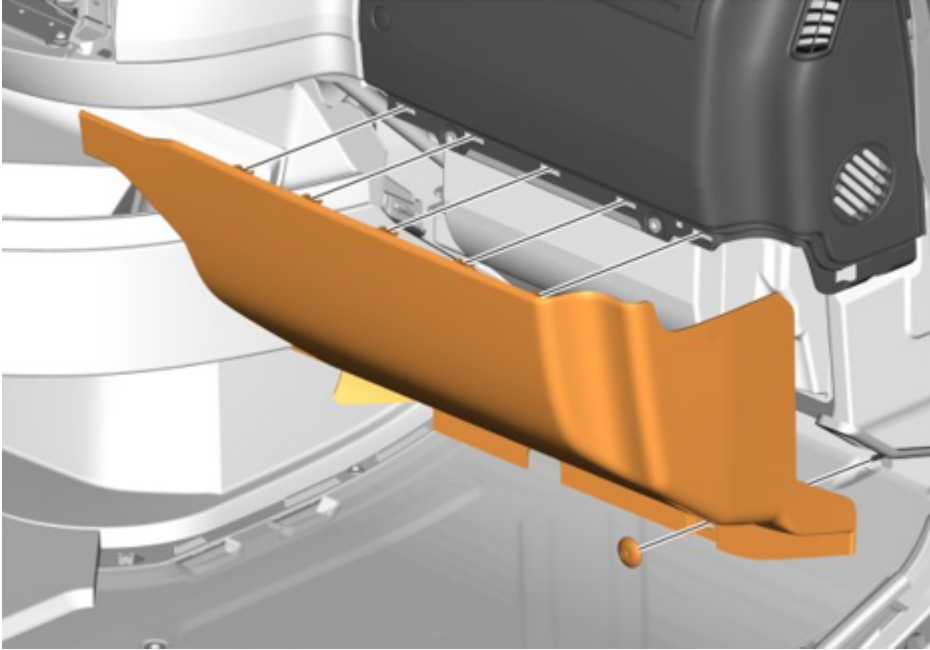


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50. Install the passenger side panel.

51. Install the retainer.



52. Install the handle.

53. Install the screws.

54. Torque tighten the screws.

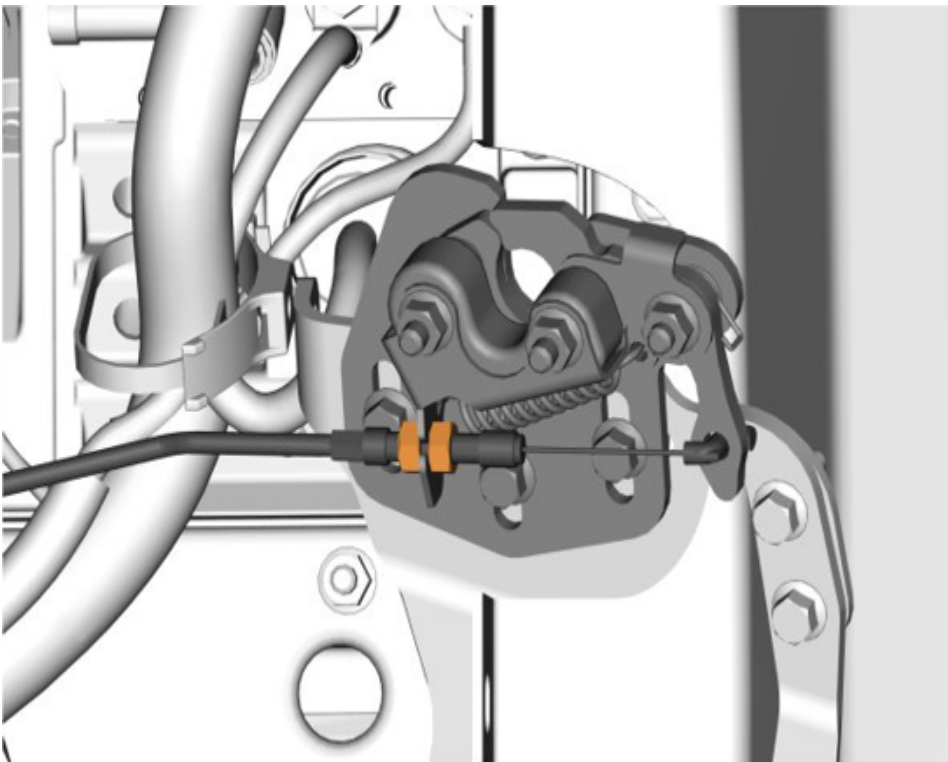
<b>Torghtening Torque</b>	
Screw	M8
	24 ± 4 Nm

55. Install the screw cover.



56. Lower the hood.

57. Ensure that the hood is latched. Readjust tightening nuts if needed to latch and release securely.



58. Check the release cable adjustment and readjust if necessary.

 Tags

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