 Tesla, Inc. Service Bulletin		<i>Install 1st Row Floor Butyl Patches Due to Flexing Noise</i>	
SB-20-45-001 February 14, 2020			
Classification		Section/Group	Mobile Service
Repair Bulletin		45 - Noise, Vibration & Harshness	Can Perform (where permitted)
Model Year	Model	Country/Region	Version
2019	Model 3	United States, Canada	All
<small>The model(s) and model year(s) listed are a general approximation of the affected VIN list. Refer to the VIN/Bulletin Tracker or Customer/Vehicle profile to determine applicability of this bulletin for a particular vehicle.</small>			

Repair Bulletin: This repair bulletin provides instructions on addressing a noted condition or possible customer concern regarding the operation of Tesla vehicles. These instructions should only be performed by trained professionals.

Condition

Some Model 3 vehicles were built without butyl patches on the LH and RH front 1st row floor panels. Consequently, the sound of normal body flexing is heard and is not dampened.

Correction

Inspect for butyl patches and install them if they are missing.

Correction Description	Correction	Time
SB-20-45-001 Not Applicable	S012045001	0.0
Inspect 1 st Row Floor Panels For Missing Butyl Patches; Butyl Patches Already Installed	S022045001	0.3
Inspect 1 st Row Floor Panels For Missing Butyl Patches; Install Butyl Patches	S032045001	0.4

Part Number	Description	Quantity
Part Required 1004969-00-A	RWK BUTYL FOIL, 300X150, 2MM THICK	2
<small>This part number was current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Catalog.</small>		
Shop Supplies	Isopropyl Alcohol (IPA) wipes	

Procedure

- Open all doors and lower all windows.
- Move the driver and front passenger seats fully rearward.
 - TIP:** Observe the position of the seats before moving to ease restoring them back to their original position later in this procedure.
- Remove the LH and RH instrument panel end caps (refer to Service Manual procedure 14054102).
- Remove the LH and RH middle A-pillar trims (refer to Service Manual procedure 15182602).
- Remove the LH and RH lower A-pillar trims (refer to Service Manual procedure 15182402).
- Remove the driver and passenger footwell covers (refer to Service Manual procedures 14055302 and 14055402).
- Remove the LH and RH front floor mats.
- Remove the LH and RH center console side panel carpets (refer to Service Manual procedure 15195402).

9. Remove the clips (x4) that attach the RH front carpet to the vehicle (Figure 1).

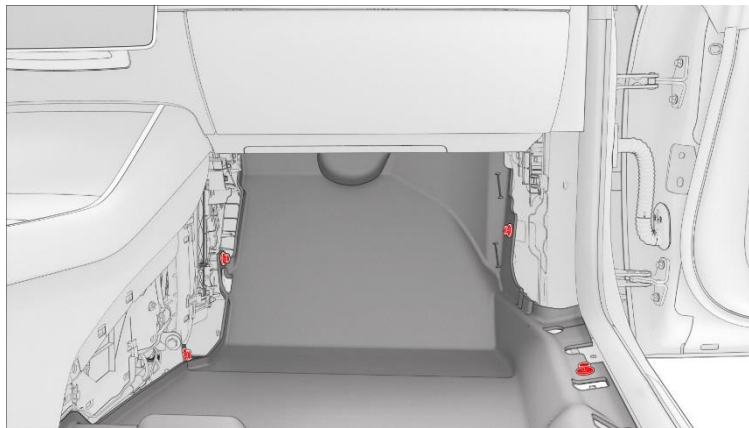


Figure 1

10. Release the seat electrical harness from the clips to allow the RH front carpet to fold back more (Figure 2).

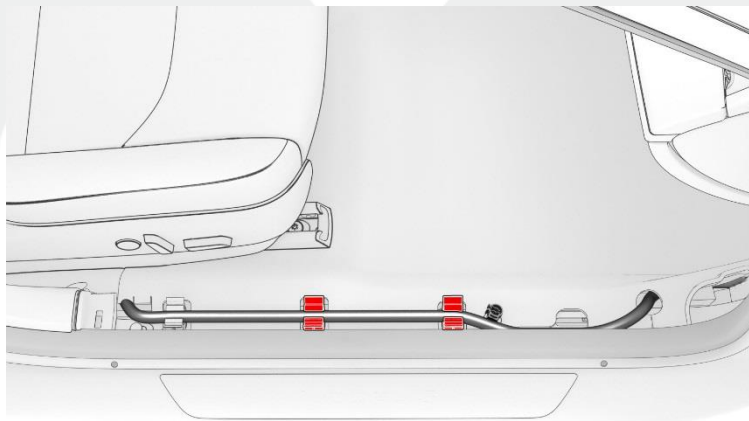


Figure 2

11. Remove the clips (x3) that attach the LH front carpet to the vehicle (Figure 3).

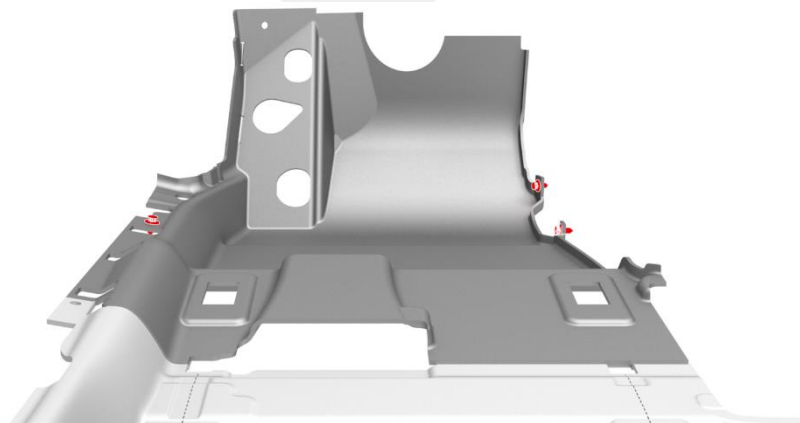



Figure 3

12. Fold the LH front carpet for access, and then release the seat harness from the clip to allow the carpet to fold back further.

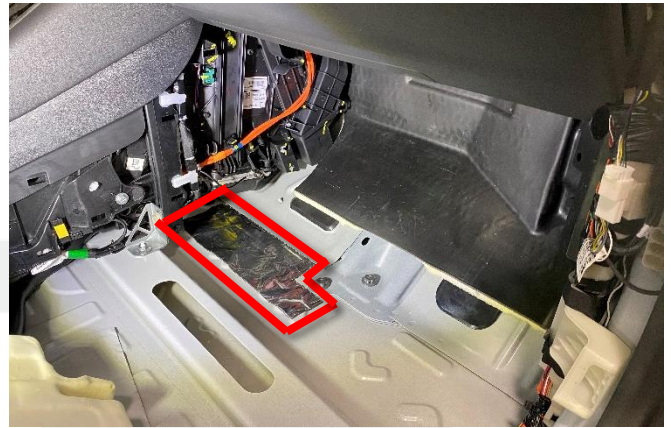
 **NOTE:** The driver footrest is part of the LH front carpet and cannot be removed.

13. Inspect the LH and RH 1st row floor panels for butyl patches:

- If butyl patches are already installed on the floor panels (Figures 4 and 5), there might be something else causing a similar kind of noise that is not related to this document. Continue normal diagnosis, reinstall the components that were removed for access, and discontinue this procedure.
- If butyl patches are not installed (Figures 6 and 7), continue to the next step.



✓ Figure 4 – Butyl patch installed on LH side



✓ Figure 5 – Butyl patch installed on RH side



✗ Figure 6 – Butyl patch missing on LH side



✗ Figure 7 – Butyl patch missing on RH side

14. Clean the floor panel butyl installation areas highlighted with Isopropyl Alcohol (IPA) wipes (Figures 8 and 9). Allow 1 minute for the area to dry before continuing.

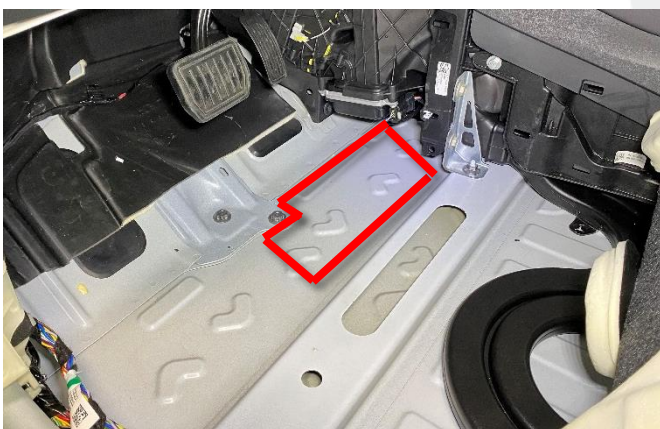


Figure 8 – LH front floor panel

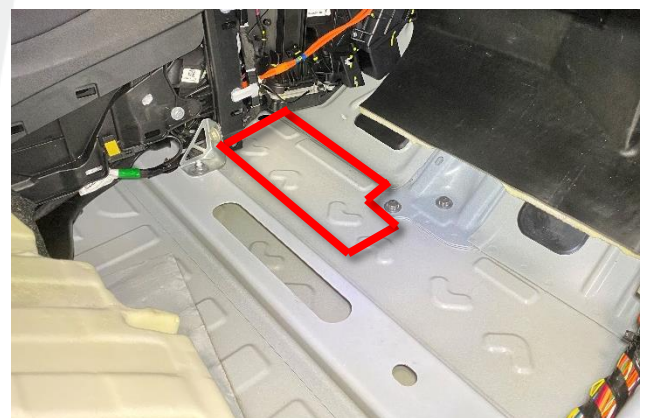


Figure 9 – RH front floor panel

15. Cut and remove a 50 mm x 50 mm square piece from the top LH corner of one butyl patch using scissors (Figure 10). Repeat this step on the other butyl patch but this time cut and remove the top RH corner (Figure 11).



Figure 10 – RH butyl patch

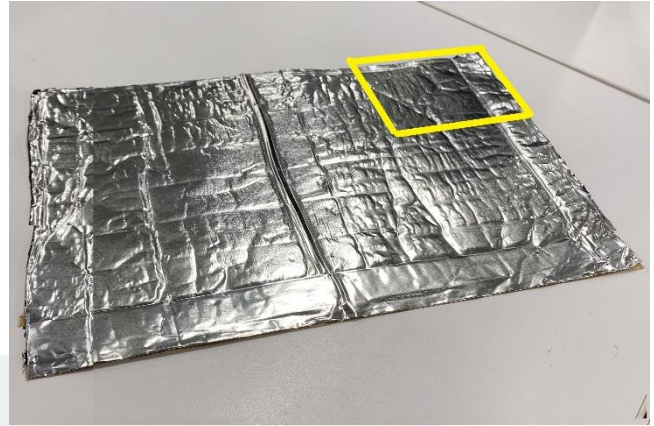


Figure 11 – LH butyl patch

16. Align and then install each piece of butyl patch onto the LH and RH floor panel area as shown in Figures 12 and 13.

TIP: Use a plastic trim tool to firmly press the butyl patch onto the floor panel.



Figure 12 – LH floor panel



Figure 13 – RH floor panel

17. Unfold the RH front main carpet back to its original position, and then secure the seat electrical harness with clips (Figure 2).
18. Install the clips (x4) that attach the RH front carpet to the vehicle (Figure 1).
19. Unfold the LH front main carpet back to its original position, and then secure the seat electrical harness with clip.
20. Install the clips (x3) that attach the LH front carpet to the vehicle (Figure 3).
21. Install the driver and passenger footwell covers (refer to Service Manual procedures 14055302 and 14055402).
22. Install the LH and RH lower A-pillar trims (refer to Service Manual procedure 15182402).
23. Install the LH and RH middle A-pillar trims (refer to Service Manual procedure 15182602).
24. Install the LH and RH instrument panel end caps (refer to Service Manual procedure 14054102).
25. Install the LH and RH center console side panel carpets (refer to Service Manual procedure 15195402).
26. Install the LH and RH front floor mats.
27. Restore the driver and front passenger seats back to their original position.