



Install 2nd Row Floor Panel Reinforcements

Classification	Repair Bulletin	Section/Group	45 - Noise, Vibration & Harshness	Country/Region	United States
Year	2017	Model	Model 3	Version	All

Bulletin Classification: This repair bulletin provides instructions and guidelines for a noted condition or a customer concern. The information provided can address a broad range of known or perceived issues with the operation of Tesla vehicles. This bulletin might not be VIN-specific. These instructions assume knowledge of motor vehicle and high voltage electrical component repairs, and should only be executed by trained professionals. Tesla assumes no liability for injury or property damage due to a failure to properly follow these instructions or repairs attempted by unqualified individuals.

Condition

On some Model 3 vehicles, the 2nd row floor footwell might make a muffled thud or pop noise when a passenger steps on the affected areas highlighted in red (Figure 1).

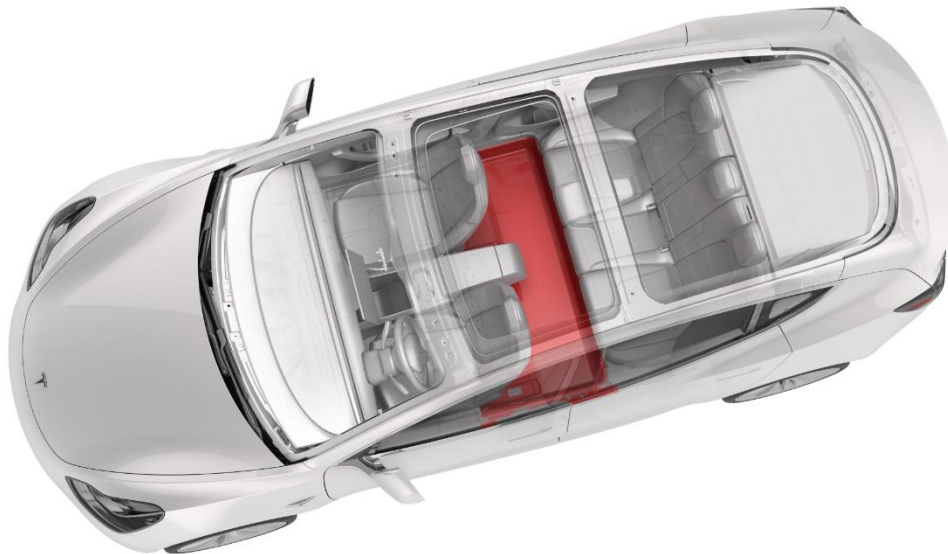


Figure 1

NOTE: Remove the rear floor mat from the vehicle, close all doors and windows, turn off the audio system, and turn off the climate control system before checking for this condition.

Correction

Inspect the vehicle for symptoms related to the condition. If symptoms are present, install reinforcements in the 2nd row floor footwell.

Correction Description	Correction	Time
SB-18-10-004 Not Applicable	S011810004	0.00
Inspect 2 nd Row Floor Footwell; Reinforcement Panels Not Necessary	S021810004	0.05
Install 2 nd Row Floor Footwell Reinforcements	S031810004	2.15

Required Part(s):	Part Number	Description	Quantity
	1452188-S0-A	M3 FLOOR PANEL PATCH	4
	1458055-00-A	ADHESIVE, DP810NS, 50ML	1
	1022449-00-A	BLT,BFLG,TRX,M10x28.4[10.9]-SM-NP-08	8

Shop supplies:

- Gasket scraper
- Isopropyl alcohol (IPA) wipes
- Marker
- Gloves
- Safety glasses
- 20 lbs. ballast bags (x4)
- Butyl patches (x8)

These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Manual.

Special Tool(s):	Part Number	Description
	1133787-00-A	Key, Seat Belt Release
	1082447-07-A	Torx Plus T45
	1108272-00-B	Cap, Logic Conn, Inv, 3DU

Procedure

1. Inspect the 2nd floor footwell area for a muffled thud or pop sound:
 - If a muffle thud or pop noise is heard while pressing the 2nd row floor footwell area, mark the area where the noise is coming from, and then continue to the next step.
 - If no thud or pop noise is heard while pressing the 2nd row floor footwell area, discontinue this procedure.

⚠ WARNING: This procedure must be performed in a well-ventilated area.

2. Remove the rear carpet (refer to Service Manual procedure 15302102).
3. Remove the butyl patches (x8) from the 2nd row floor footwell using a gasket scraper (Figure 2).

NOTE: The location of the butyl patches varies from vehicle to vehicle. Therefore, note where the butyl patches are located prior to removal because new butyl patches will be installed in the same location during reassembly later in this procedure.

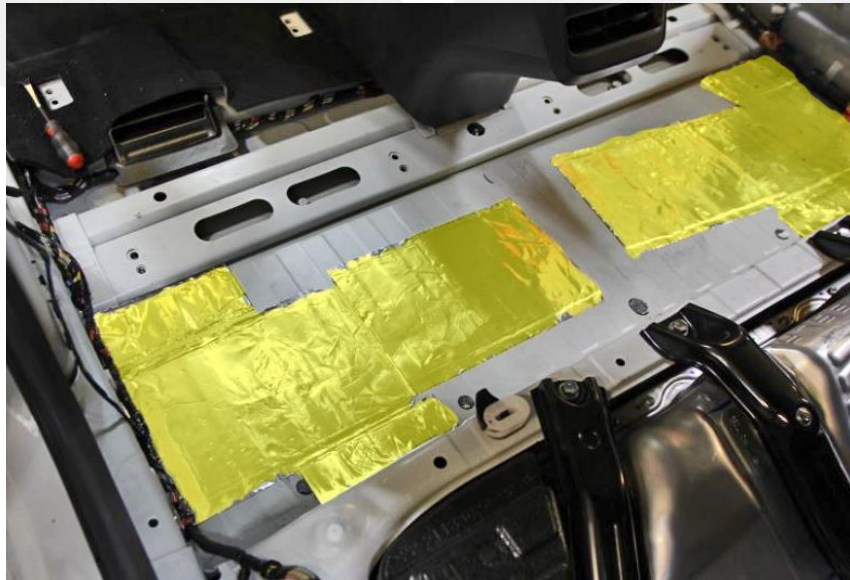


Figure 2 (Butyl patches highlighted; location varies)

4. Clean any residue left by the butyl patches with isopropyl alcohol (IPA) wipes (Figure 3).



Figure 3

5. Test fit the reinforcement panels by placing them on the 2nd row floor footwell (Figure 4). Set the reinforcement panels so that they cover the affected area(s).

NOTE: Set the reinforcement panels on top of raised sections of the 2nd row floor footwell.

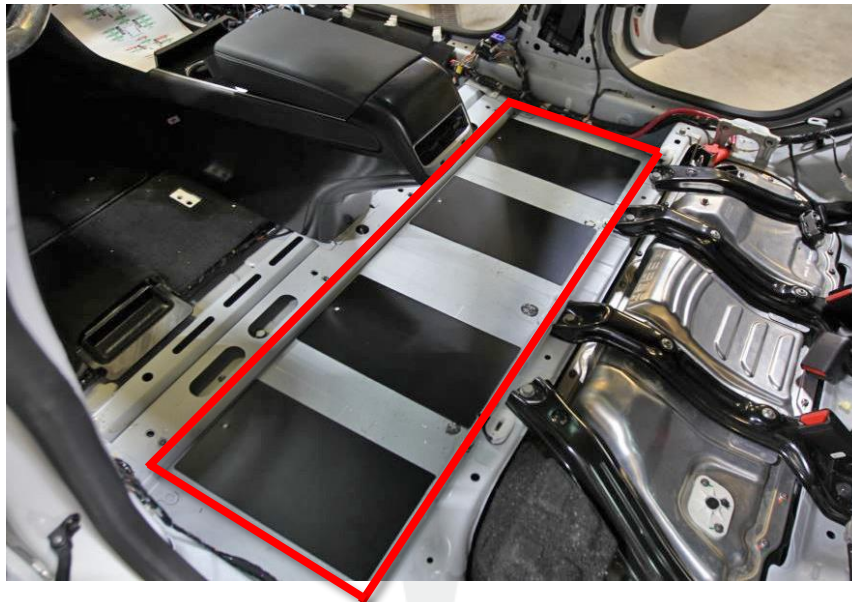


Figure 4

6. Mark the 2nd row floor footwell on either side of the reinforcement panels with a marker, and then remove the reinforcement panels from the vehicle.

NOTE: The reinforcement panels are all identical.

⚠ WARNING: During the next steps, wear Personal Protective Equipment (PPE), such as safety glasses and gloves.

7. Clean the reinforcement panels on the bonding side with isopropyl alcohol (IPA) wipes.
8. Prepare the 3M DP810ns Scotch Weld adhesive applicator and mixing nozzle.

NOTE: The 3M DP810ns Scotch Weld adhesive sets quickly. Therefore, perform the next steps promptly.

9. Apply the 3M DP810ns Scotch Weld adhesive to the section of the floor where the LH inner reinforcement panel is to be placed (Figure 5).

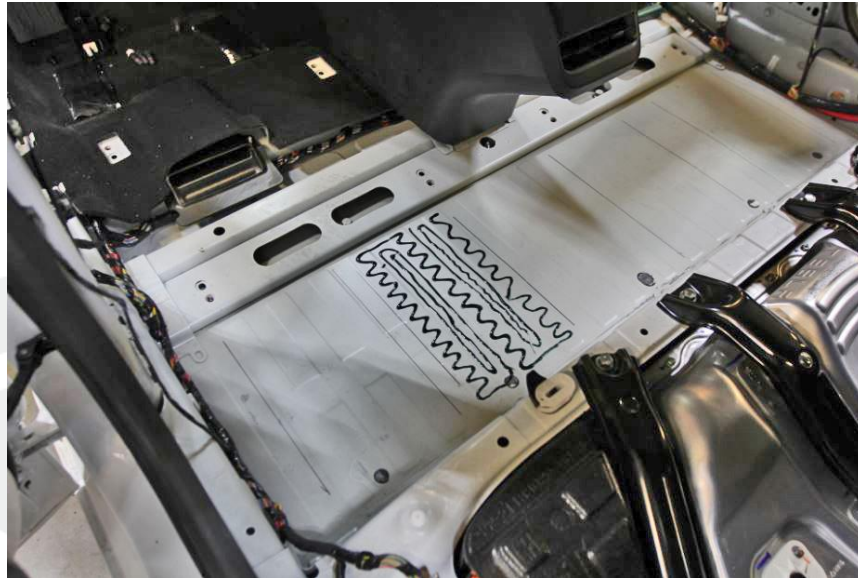


Figure 5

10. Quickly install the LH inner reinforcement panel onto the adhesive. Align the left and right edges of the reinforcement panel with the raised sections on the floor footwell (Figure 6).



Figure 6

11. Apply the 3M DP810ns Scotch Weld adhesive to the section of the floor where the LH outer reinforcement panel is to be placed (Figure 7).

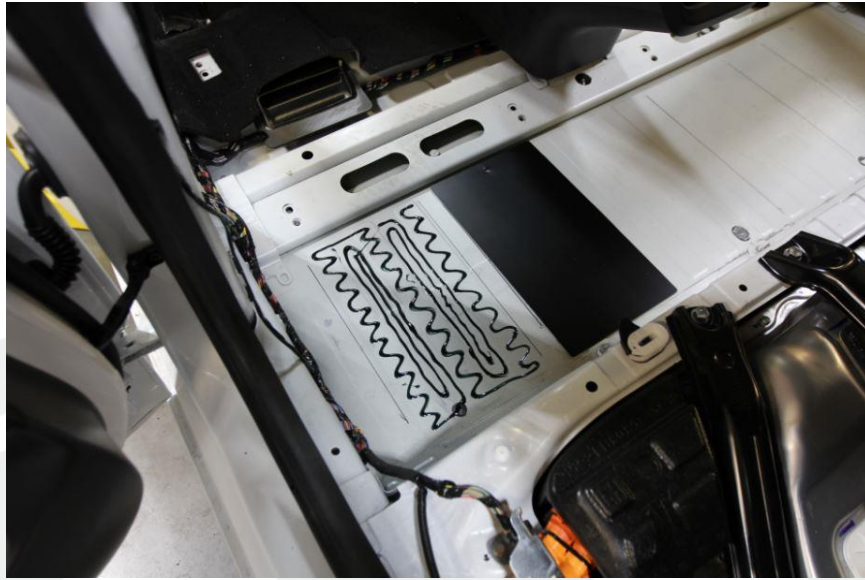


Figure 7

12. Quickly install the LH outer reinforcement panel onto the adhesive. Align the reinforcement panel with the raised sections on the floor footwell (Figure 8).



Figure 8

13. Apply paper or cardboard over the edges of both LH reinforcement panels to protect the ballast bags from the adhesive (Figure 9).



Figure 9

14. Position a 20 lbs. ballast bag on top of each reinforcement panels to secure them while the adhesive cures (Figure 10).



Figure 10

15. Apply the 3M DP810ns Scotch Weld adhesive to the section of the floor where the RH inner reinforcement panel is to be placed (Figure 11).

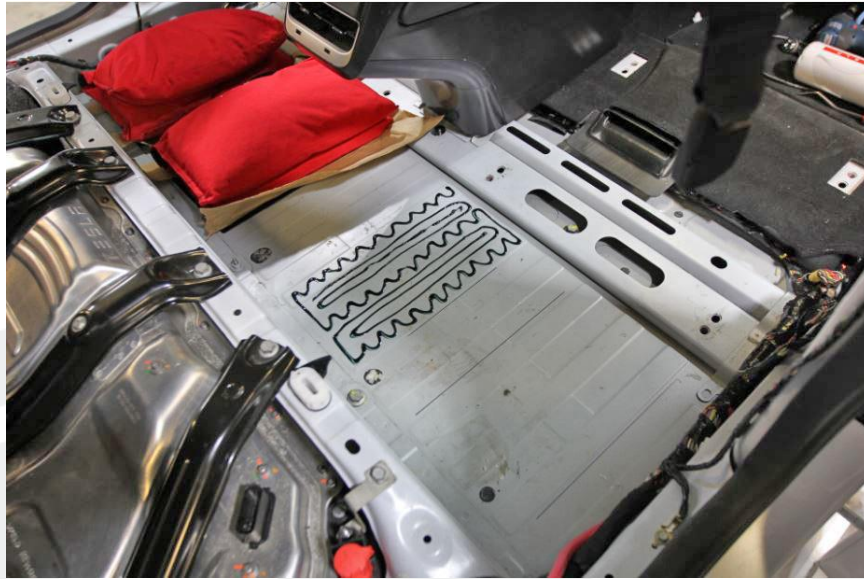


Figure 11

16. Quickly install the RH inner reinforcement panel onto the adhesive. Align the left and right edges of the reinforcement panel with the raised sections on the floor footwell (Figure 12).



Figure 12

17. Apply the 3M DP810ns Scotch Weld adhesive to the section of the floor where the RH outer reinforcement panel is to be placed (Figure 13).

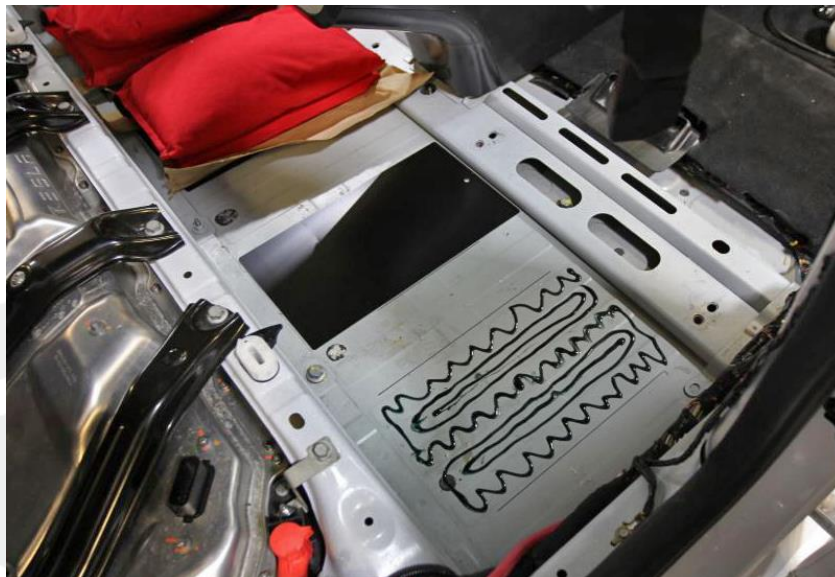


Figure 13

18. Quickly install the RH outer reinforcement panel onto the adhesive. Align the left and right edges of the reinforcement panel with the raised sections on the floor footwell.

19. Apply paper or cardboard over the edges of both RH reinforcement panels to protect the ballast bags from the adhesive (Figure 14).



Figure 14

20. Position a 20 lbs. ballast bag on top of each reinforcement panels to secure them while the adhesive cures (Figure 15).



Figure 15

21. Allow the 3M DP810ns Scotch Weld adhesive to cure for 10 minutes.
22. Remove the ballast bags and the tape or cardboard from the reinforcement panels.

23. Add new butyl patches (x8) onto the LH and RH sides of the 2nd row floor footwell (Figure 16).

NOTE: The installation of the new butyl patches varies from vehicle to vehicle. Install the new butyl patches in the same location as they were originally installed earlier in this procedure.



Figure 16

24. Install the rear carpet (refer to Service Manual procedure 15302102).

Affected VIN(s) Affected Model 3 vehicles built before approximately December 1, 2017.

NOTE: This is a simplified summary 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.

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