

 Tesla, Inc. Service Bulletin		<i>Install Occupant Classification System (OCS) Filter Module</i>	
SB-19-20-003 October 26, 2023	R3		
Classification		Section/Group	Mobile Service
Repair Bulletin		20 - Safety and Restraint	Can Perform (where permitted)
Model Year	Model	Country/Region	Version
2017-2020	Model 3, Model Y	All	All
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.			

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.

This Service Document supersedes SB-19-20-003 R2, dated September 21, 2020. This new revision, R3, revises the parts required. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.

Condition

On some Model 3 and Model Y vehicles, the Occupant Classification System (OCS) signal might be affected by electrical interference in the seat electrical harness, causing the airbag indicator to display on the touchscreen.

Correction

Inspect the vehicle for symptoms related to the condition. If symptoms are present, install an OCS filter module to the front passenger seat electrical harness.

Correction Description	Correction	Time
SB-19-20-003 Not Applicable	S011920003	0.00
Install Occupant Classification System (OCS) Filter Module	S021920003	0.15

	Part Number	Description	Quantity
Part Required	1517054-00-A	Module, OCS filter	1
	1479450-00-A	Ferrite	1

This part number was current at the time of publication. Use the revisions listed or later, unless otherwise specified in the [Parts Catalog](#).

Shop Supplies Felt tape

Procedure

1. Move the front passenger seat fully rearward and upward.
2. Disconnect 12V power (refer to Service Manual procedure 17010200; [Model 3](#), [Model Y](#)).

3. Locate the OCS module underneath the front passenger seat towards the front, and then disconnect the chassis CAN communication harness from the OCS module connector (Figure 1).

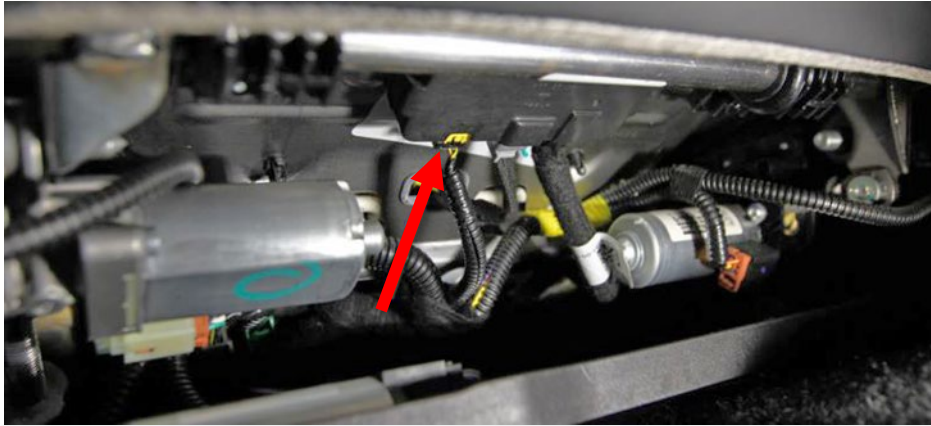


Figure 1

4. Connect the chassis CAN communication harness to the OCS filter module connector (Figure 2).

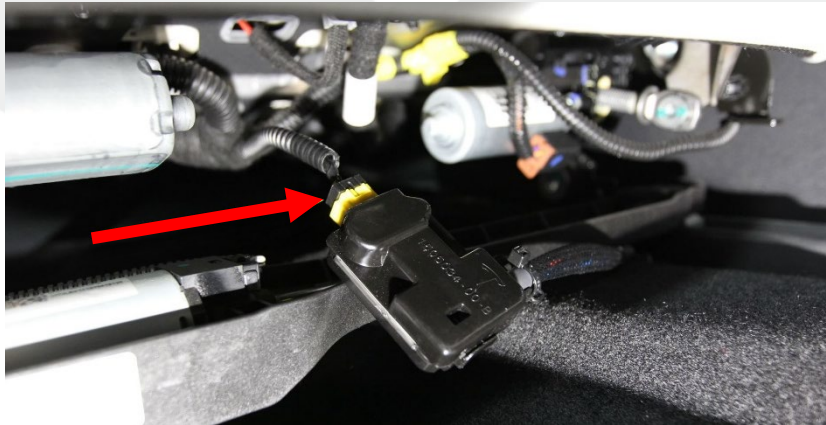


Figure 2

5. Release the strap that attaches the lower seat upholstery to the seat frame (Figure 3).

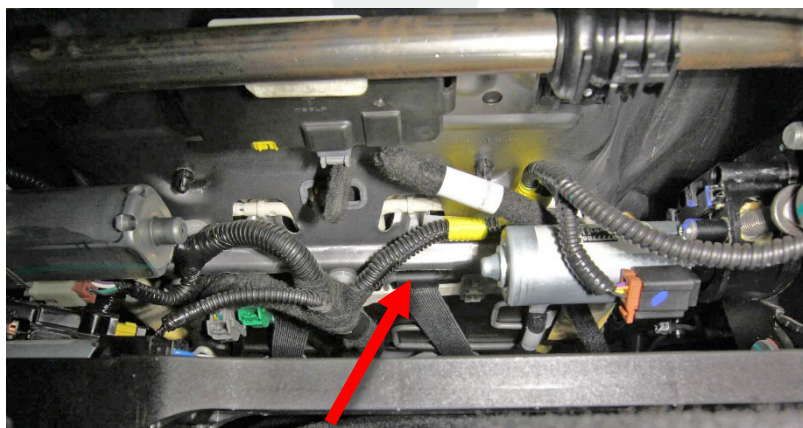


Figure 3

6. Attach the OCS filter module to the bottom of the seat and secure it with the clip (Figures 4 – 6).

TIP: Slide the tab of the OCS filter module over the white bar before securing the clip.

NOTE: Make sure the seat electrical harnesses are properly routed so that there is no tension in the cables.

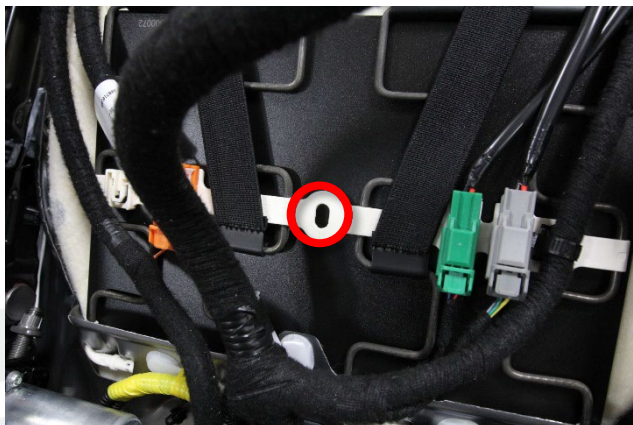


Figure 4



Figure 5

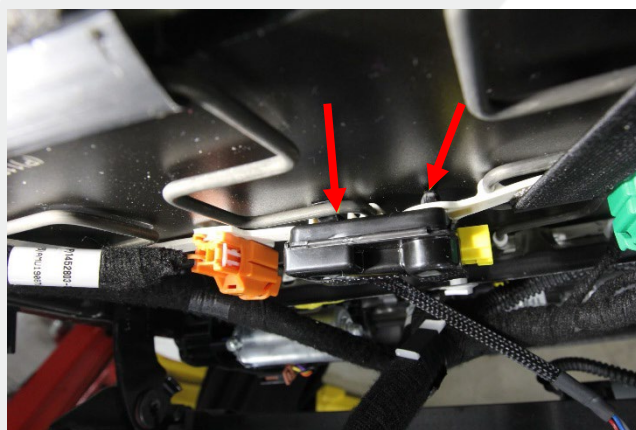


Figure 6

7. Secure the lower seat upholstery strap to the seat frame (Figure 3).
8. Route the OCS filter harness along the bottom of the seat, and then connect the harness to the OCS module (Figure 7).

NOTE: Make sure that the harness does not catch or rub on any underseat component.

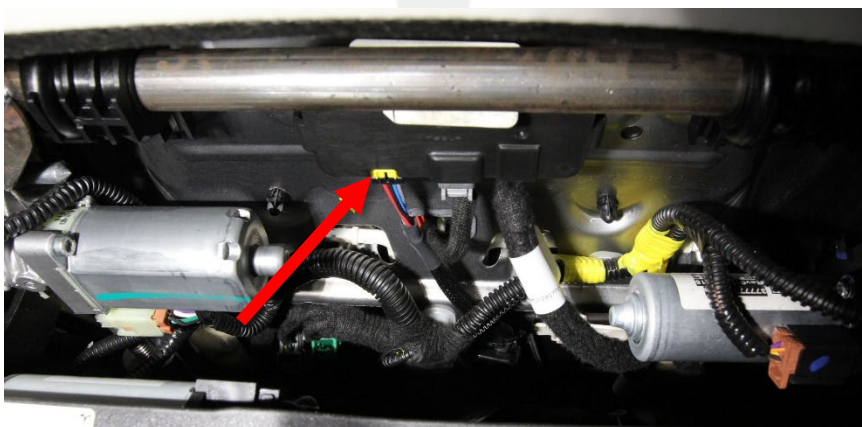


Figure 7

9. Position the seat self-capacitance electrical harness into one half of the ferrite, and then clamp the other half of the ferrite closed over the harness (Figure 8).



Figure 8

10. Completely wrap the ferrite with felt tape to prevent NVH issues (Figure 9).

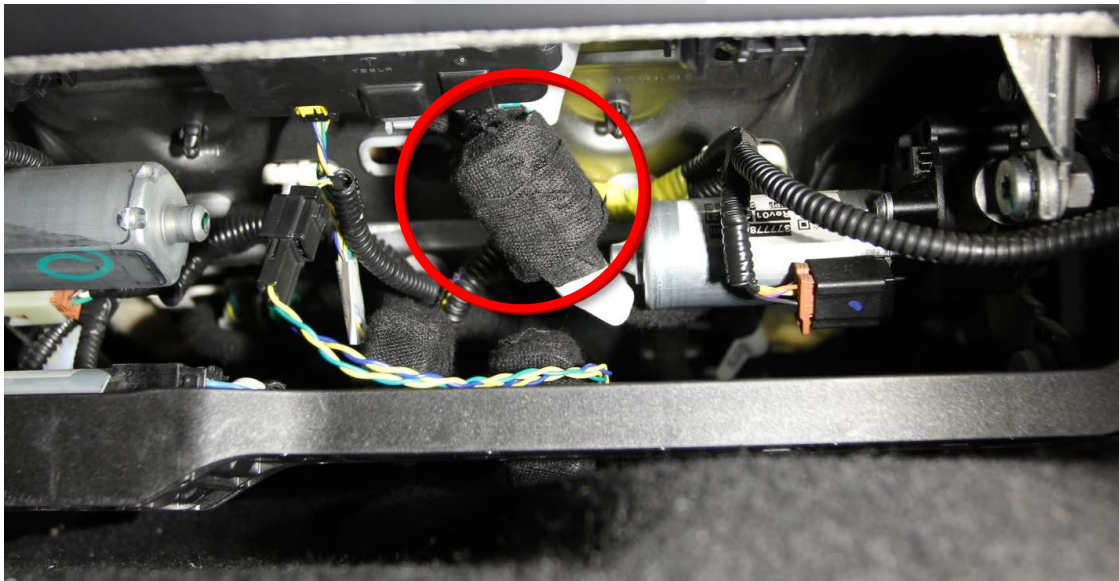


Figure 9

11. Reconnect 12V power (refer to Service Manual procedure 17010200; [Model 3](#), [Model Y](#)).
12. Restore the front passenger seat to its original position.