

 Tesla, Inc. Service Bulletin		Replace Occupant Classification System (OCS) of Front Passenger Seat while Servicing Subcomponents	
SB-23-20-002 March 27, 2023		R2	
Classification		Section/Group	Mobile Service
Repair Bulletin		20 - Safety and Restraint	Can Perform (where permitted)
Configuration			
All			
Model Year	Model	Country/Region	Build Location
2017 - 2023	Model 3, Model Y	North America, Asia Pacific	Fremont, Giga Austin
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 possible customer concern regarding the operation of Tesla vehicles. These instructions should only be performed by trained professionals.

This Service Document supersedes SB-23-20-002 R1, dated 15-Mar-23. This new revision, R2, includes a step to disconnect the OCS sandwich sensor connector. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.

Condition

Certain Model 3 and Model Y vehicles may need a different Occupant Classification System (OCS) installed in the front passenger seat before servicing its subcomponents.

 **NOTE:** The performance of currently-installed OCS in the front passenger seat is not affected. This procedure is required before service can be performed to the subcomponents of the front passenger seat.

Correction

Replace the front passenger seat OCS component in order to service seat subcomponents.

Correction Description	Correction	Time
Replace Front Passenger Seat OCS Component	S012320002	0.90

	Part Number	Description	Quantity
Parts Required	1130363-00-B	1R, SBR, BOX, CLIP, M3	1
	1099592-00-F	1R, SBR, M3	1
	1489060-93-F	ASY,HARN,1R SEAT,RH,PREM,OCS,STPS	1
	1458818-00-B	BOLT,PF,M10-1.5x36,[109],G0310[B],SMAT	4
If Necessary	Model 3 Only		
	1098408-00-B	CLIP, 90666-SDA-A010-M1	3
	Model Y Only		
	1496105-00-B	EDGE CLIP,6MM,1.5-2.5GRP,POM,WH	7
These part numbers were current at the time of publication. Use the revisions listed or later, unless otherwise specified in the Parts Catalog .			
Special Tools	1133787-00-A	KEY, SEAT BELT RELEASE, MODEL 3	
	1132841-00-A	M3 1R HEADREST REMOVAL TOOL	
If Necessary	Model 3 Only		
	1108272-00-B	CAP, LOGIC CONN, INV, 3DU	

Procedure

⚠ WARNING: Supplementary Restraint System (SRS) components can be hazardous if not handled properly (refer to Airbag and Supplementary Restraint System (SRS) Precautions; [Model 3](#), [Model Y](#)).

1. [Steps to determine front passenger airbag type]:

- If the vehicle is equipped with a full suppression front passenger airbag (part number 1077823-00-F or earlier), perform [SB-23-20-001](#), “Update Front Passenger Airbag to Maintain Compatibility While Servicing Front Passenger Seat”, and then continue this procedure.
- If the vehicle is equipped with a safety vent front passenger airbag (part number 1077823-00-G or later), perform this procedure only.

Front Passenger Airbag Type	Sandwich OCS	SBR OCS
Full Suppression	Compatible	Not Compatible
Safety Vent	Compatible	Compatible

2. On the vehicle touchscreen, touch **Controls** (vehicle icon) > **Software**, and then scroll down to display the vehicle firmware version.

- If the vehicle is operating with a firmware version 2023.2.11 or later, continue this procedure.
- If the vehicle is operating with a firmware version earlier than 2023.2.11, update to version 2023.2.11 or later (refer to Service Manual procedure 00020003; [Model 3](#), [Model Y](#)), and then continue this procedure.

3. Remove the passenger seat cushion foam (refer to Service Manual procedure 13070102; [Model 3](#), [Model Y](#)).

4. Disconnect the front passenger seat OCS sandwich sensor connector (Figure 1).

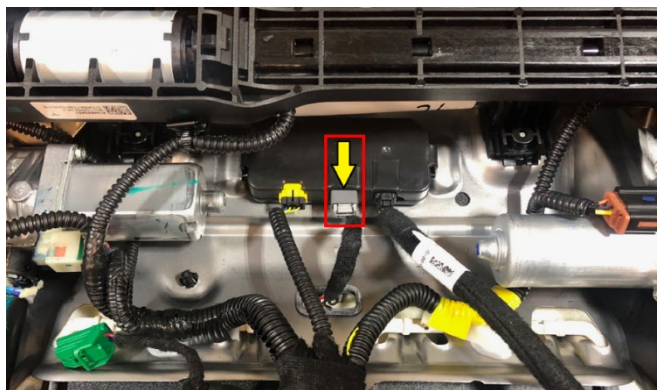


Figure 1 – Model 3 shown; Model Y similar

5. Remove the push clips (x2) that attach the front passenger seat OCS sandwich sensor to the seat frame (Figure 2).



Figure 2 – Model 3 shown; Model Y similar

6. Remove and discard the front passenger seat OCS sandwich sensor from the seat frame (Figures 3 and 4).



Figure 3



Figure 4

7. Replace the passenger seat harness with revised part number 1489060-03-C or later (refer to Service Manual procedure 17101802; [Model 3](#), [Model Y](#)).
8. Install the front passenger seat cushion foam (refer to Service Manual procedure 13070102; [Model 3](#), [Model Y](#)). While installing the foam:
- Install a new RH front seat resistive occupancy sensor (part number 1099592-00-F or later).
 - Install a new RH front seat resistive occupancy sensor box clip (part number 1130363-00-B or later).

9. Locally connect to the vehicle using Toolbox 3.0.
10. Click the **Actions** tab, search for “OCS”, and then select **OCS1P delete Sandwich and calibrate routine** (Figure 5).

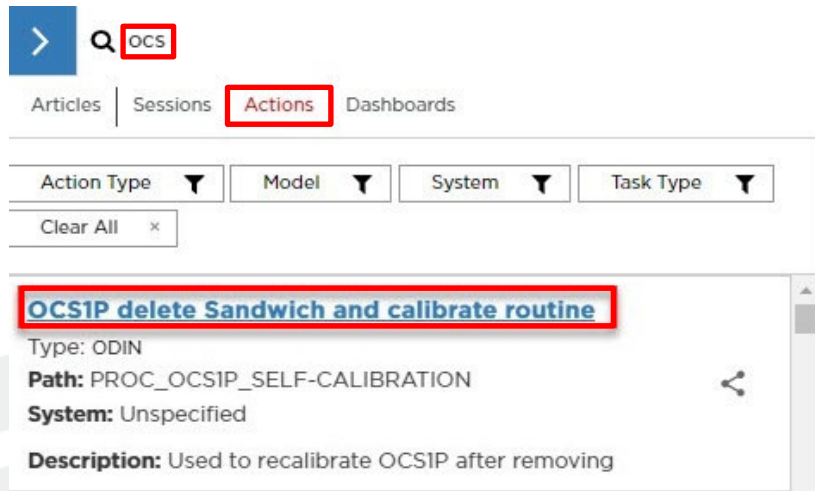


Figure 5

11. Click **Run** and allow the routine to complete. Select **X** at the top right of the window to exit once the routine is complete (Figure 6).



Figure 6

12. Click the **Actions** tab, search for “Seat calibration”, and then select **Right Seat Calibration** (Figure 7).

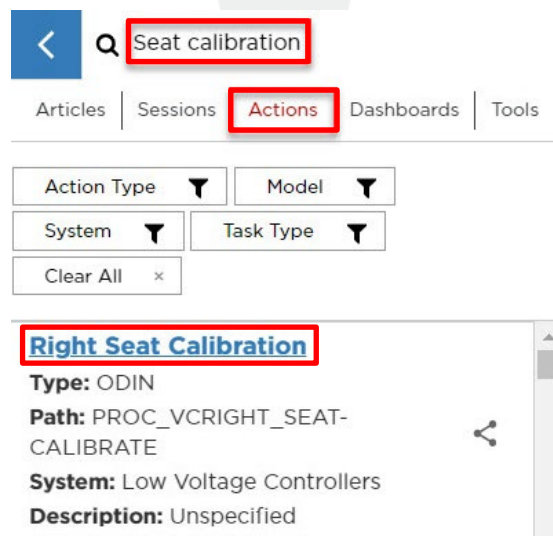


Figure 7

13. Click **Run** and allow the routine to complete. Select **X** at the top right of the window to exit once the routine is complete and “Pass” is displayed (Figure 8).

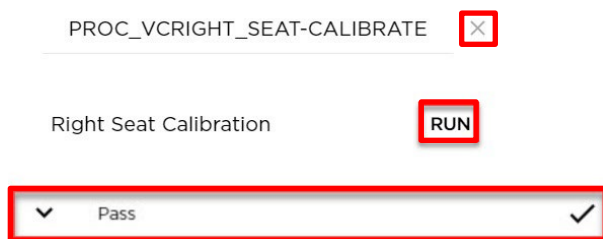


Figure 8

14. Disconnect the laptop from the vehicle.

