



Retrofit Model X Pinch Sensor Carrier and Bump Stop

Classification Repair Bulletin **Section/Group** 11 - Closures **Country/Region** All

Year 2015-2017 **Model** Model X **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.*

This Service Document supersedes SB-18-11-001, dated 8-Jan-18. 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 X vehicles, the pinch sensor carrier and/or bump stop might scratch the paint in the interior jamb on the rear (Falcon Wing) door.

Correction

Retrofit a redesigned pinch sensor carrier and bump stop (if applicable), and install a protective patch.

Correction Description	Correction	Time
Inspection Only; Retrofit Not Required	S011811001	0.0
Repair Rear Door Paint – LH – Sublet	S021811001	0.0
Repair Rear Door Paint – RH – Sublet	S031811001	0.0
Repair LH and RH Rear Door Paint – Sublet	S041811001	0.0
Rear Door Adjustment – Sublet	S051811001	0.0
Repair Rear Door Paint - LH	S061811001	1.0
Repair Rear Door Paint - RH	S071811001	1.0
Repair LH Rear Door Paint, Retrofit LH and RH Bump Stops, Install Protective Patches	S081811001	1.5
Repair RH Rear Door Paint, Retrofit LH and RH Bump Stops, Install Protective Patches	S091811001	1.5
Repair LH and RH Rear Door Paint	S101811001	2.0
Retrofit LH and RH Pinch Sensor Carrier, Retrofit LH and RH Bump Stops, Install Protective Patches	S111811001	2.3
Repair LH and RH Rear Door Paint, Retrofit LH and RH Bump Stops, Install Protective Patches	S121811001	2.5
Repair LH Rear Door Paint, Retrofit LH and RH Pinch Sensor Carrier, Retrofit LH and RH Bump stops, Install Protective Patches	S131811001	3.3
Repair RH Rear Door Paint, Retrofit LH and RH Pinch Sensor Carrier, Retrofit LH and RH Bump Stops, Install Protective Patches	S141811001	3.3
Repair LH and RH Rear Door Paint, Retrofit LH and RH Pinch Sensor Carrier, Retrofit LH and RH Bump Stops, Install Protective Patches	S151711001	4.3

Required Part(s):	Part Number	Description	Quantity
	1037560-00-E	PINCH SENSOR REAR DOOR LH; LWR RR	1
	1041595-00-E	PINCH SENSOR REAR DOOR RH; LWR RR	1
	1086751-00-B	BUMP STOP	2

Select one of the sets listed below:

1139886-00-A	MX LH C-PLR Tape (H-Old 8000) and	1
1139887-00-A	MX RH C-PLR Tape (H-Old 8000)– RH	1

Or

1129193-00-B	PROTECTIVE PATCH – LH and	1
1129199-00-B	PROTECTIVE PATCH – RH	1

Shop supplies:

Isopropyl alcohol (IPA) wipes (1054788-00-A or equivalent)

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

Procedure

1. Inspect the exterior jamb of both rear doors for paint damage (Figures 1 and 2).

- If the paint is not damaged, go to step 3.
- If the paint is damaged (Figure 2), continue to the next step.

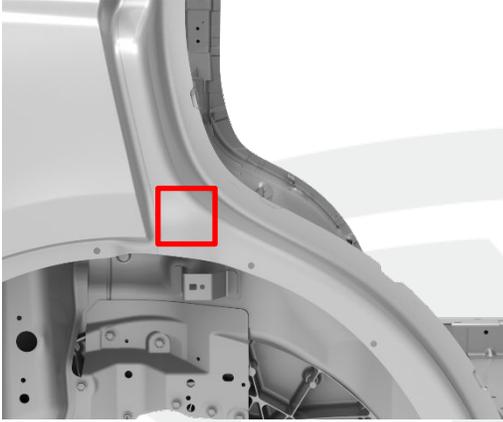


Figure 1 (Affected area)



Figure 2 (Paint damage)

2. Repair the damaged paint in the affected area (Figure 1):

NOTE: If the paint damage is too severe to fix in the Service Center, send the vehicle to a Tesla Approved Body Shop before continuing the procedure.

- a. Clean and polish the affected area.
- b. Repaint the damaged area using industry standard methods and touch up paint.
- c. Make sure that the paint is dry before continuing to the next step.
- d. If necessary, sand the repainted area.
- e. Polish the repainted area.

3. Make sure that the rear doors are properly aligned. Refer to [TN-16-11-002](#), "Adjusting the Rear Doors (Falcon Wing Door)".

⚠ CAUTION: The rear doors must be properly aligned before continuing this procedure. If the doors are not aligned, replacing the pinch sensor carrier and bump stop will not prevent paint damage.

NOTE: Rear door alignment varies from vehicle to vehicle. If adjustment is required, add the following correction code that is most appropriate for the work performed.

Adjustment Time	Correction Description	Correction Code
Adjustment takes 12 minutes or less	Rear Door Adjustment - Light	10102010
Adjustment takes 13 - 24 minutes	Rear Door Adjustment - Medium	10102020
Adjustment takes 25 - 36 minutes	Rear Door Adjustment - Heavy	10102030
Adjustment takes 37 minutes or more	Rear Door Adjustment - Severe	10102040

4. Check the vehicle's build date:
 - If the vehicle was built through November 8, 2017, continue to the next step.
 - If the vehicle was built between November 9, 2017 and November 14, 2017, skip to step 9.
5. Remove and discard the original pinch sensor carrier (refer to Service Manual procedure 11354602).
6. Inspect the new pinch sensor carrier, and if a gap hiding seal is installed, completely remove the entire seal from the carrier (Figure 3).



Figure 3 (Remove the seal)

7. Install the new pinch sensor carrier (refer to Service Manual procedure 11354602).
8. Repeat steps 5 through 7 for the other side of the vehicle.
9. Remove and discard the original bump stop (Figure 4).



Figure 4 (Bump stop location)

10. Install a new bump stop.
11. Repeat steps 9 and 10 for the other side of the vehicle.

12. Install a protective patch:

- a. Remove the rear fender garnish (refer to Service Manual procedure 12201402).
- b. Clean the area where the patch will be installed (Figure 5) with an IPA wipe.
- c. Clean the area where the patch will be installed with soapy water.

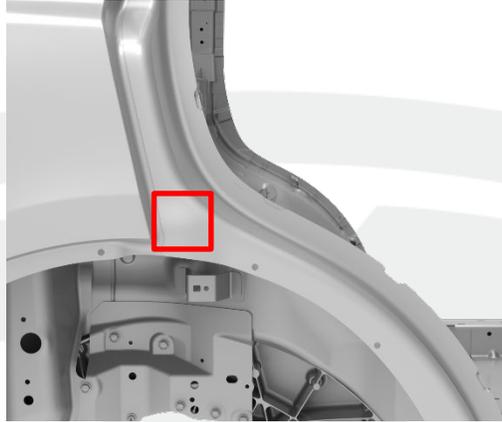


Figure 5 (Patch installation area)

- d. Remove the white backing from the adhesive patch (Figure 6).

NOTE: Avoid touching the patch as much as possible. Touching the adhesive results in fingerprints on the patch, which will be visible on the vehicle.

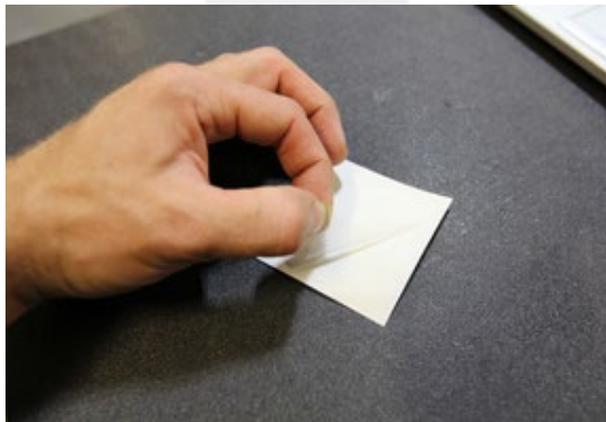


Figure 6

- e. Put the patch into position. Make sure that the curve of patch aligns with the vehicle (Figure 7).



Figure 7

- f. Use a plastic trim tool to wet out all air bubbles between the patch and the vehicle.
 - g. Install the rear fender garnish (refer to Service Manual procedure 12201402).
 - h. Repeat steps 12a – 12g on the other side of the vehicle.
13. Install any components that were removed for access.
 14. Connect a laptop with Toolbox installed to the vehicle.
 15. In Toolbox, run the **Falcon Door Calibration** routine.
 16. Check the rear door to quarter panel flush on both sides of the vehicle, and adjust the bump stops as necessary.

NOTE: Refer to [TN-16-11-002](#), 7A through 7D for instructions to adjust the bump stops.

Affected VIN(s) Affected Model X vehicles built before approximately November 15, 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.

For feedback on the accuracy of this document, email ServiceBulletinFeedback@tesla.com.