



Rear Door Cinching Actuator Freezing in Cold Weather

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

Year 2016-2017 **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.*

Condition

Water may enter the door latches or cinching actuators on the rear (Falcon Wing) doors. If the vehicle is then parked outdoors in freezing conditions, the water can freeze, potentially interfering with opening or cinching closed until the vehicle warms up.

Correction

If diagnosis confirms water ingress, replace the latches and cinching actuators on the LH and RH rear doors. Install shrouds on the LH and RH rear door cinching actuators to prevent future water ingress. Install an improved lower edge protector on both rear doors.

Correction Description	Correction	Time
Vehicle Inspection Only; Rear Door Cinching Actuators and Shrouds Not Required	S011711001	0.50
Replace LH and RH Rear Door Latches and Cinching Actuators, Install LH and RH Shrouds	S021711001	1.90
Replace LH and RH Rear Door Latches and Cinching Actuators, Install LH and RH Shrouds, Replace LH and RH Lower Edge Protectors	S031711001	1.95
Replace LH and RH Rear Door Latches and Cinching Actuators, Install LH and RH Shrouds, Install Modified LH and RH Lower Edge Protectors	S041711001	2.15

Required Part(s):	Part Number	Description	Quantity
	1120136-00-A	MX RR DOOR CINCH ACTUATOR SHROUD	2
	1008307-00-A	SCR,M3.0-1.12X10,DELTA PT,TRX,ZNNI 1000	4
	1034485-00-A	ACTUATOR, CINCHING, LIFTGATE	2
	1033838-00-F	LATCH, RR LH, MDLX	1
	1034481-00-F	LATCH, RR RH, MDLX	1
	1057210-00-A	BOLT,M8x16,FL,TRX,STL[8.8],ZNNI[BLK],ADH	4
	1069003-00-A	FALCON DOOR LOWER EDGE PROTECTOR LH	1
	1069010-00-A	FALCON DOOR LOWER EDGE PROTECTOR RH	1

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

Preparation

1. Fully raise the rear windows.
2. Open the LH and RH rear doors to a comfortable working position.
3. Move the LH and RH front seats fully forward.

Replacing the Lower Edge Protectors

NOTE: Perform this procedure on the LH and RH rear doors.

1. Check the lower edge protector (Figure 1):
 - If the rear of the lower edge protector has a cutout for the drain hole in the door shell, skip to the "Replacing the Latch and Cinching Actuator" section of this document.
 - If the rear of the lower edge protector does not have a cutout for the drain hole in the door shell, continue to the next step.

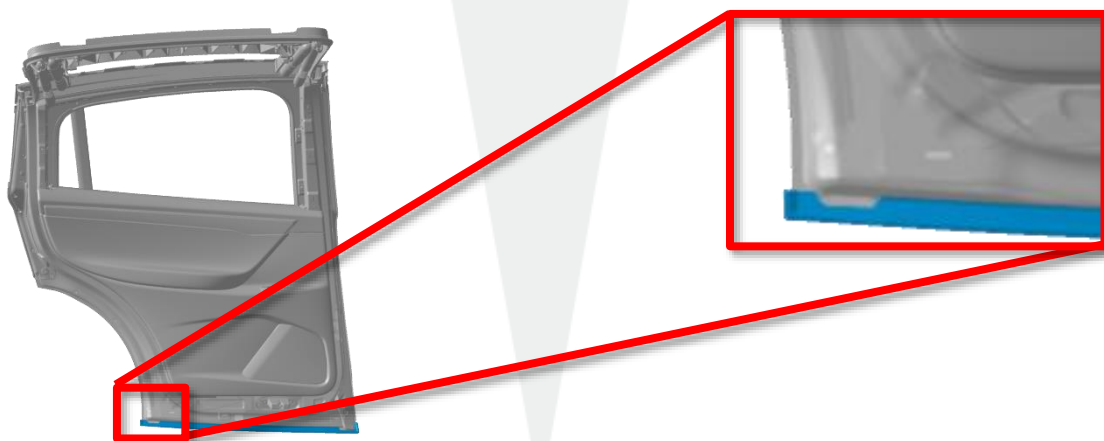


Figure 1 (Cutout for drain hole)

2. Remove the lower edge protector.

3. Remove any debris that obstructs the drain holes in the door shell (Figure 2).

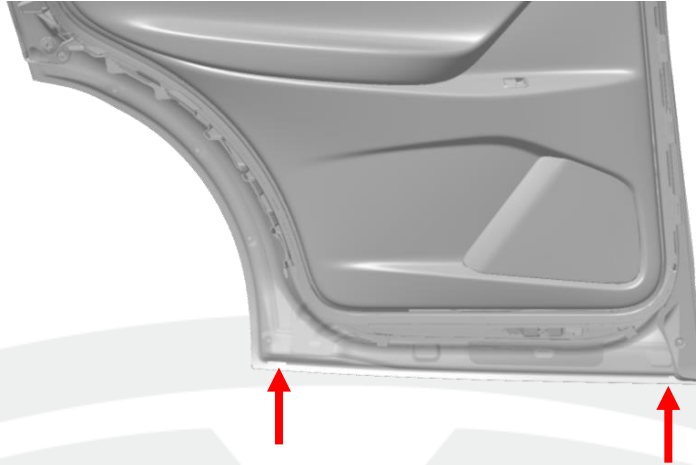


Figure 2

4. Use alcohol wipes to clean the mounting surfaces for the lower edge protector.
5. Check the part number of the new lower edge protector:
 - If the lower edge protector is revision B or later, install the new edge protector, then skip to the "Replacing the Latch and Cinching Actuator" section of this document.
 - If the lower edge protector is revision A, continue to the next step.
6. Use a precision knife to extend the notched area at the front of the edge protector to 76 mm from the front edge (Figure 3).



Figure 3 (Cut lines shown)

7. Mark an area at the rear of the edge protector (Figure 4):
 - a. Mark a vertical line 72 mm from the rear edge.
 - b. Mark a vertical line 32 mm from the rear edge.
 - c. Mark a horizontal line 14 mm from the bottom edge.

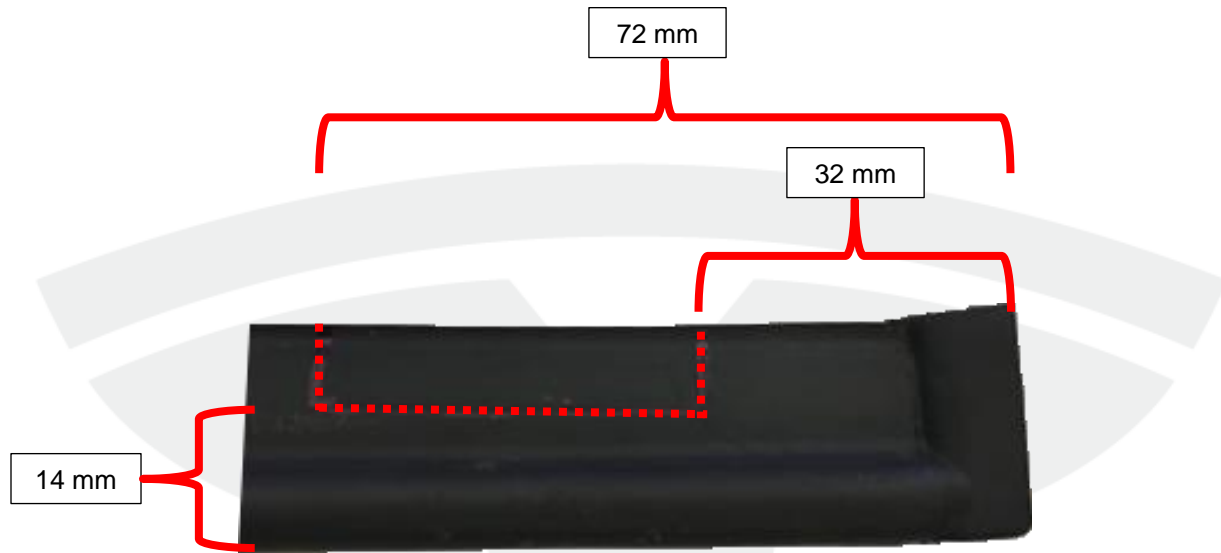


Figure 4

8. Use a precision knife to cut the area that was marked in the previous step.
9. Install the modified edge protector.
10. Continue to the "Replacing the Latch and Cinching Actuator" section of this document.

Replacing the Latch and Cinching Actuator

NOTE: Perform this procedure on the LH and RH rear doors.

1. Remove the rear door latch and cinching actuator (refer to Service Manual procedure 11351502).
2. Put the new latch and cinching actuator into position.

TIP: To aid installation, use tape to hold the shim(s) to the lower rearward corner of the RH cinching actuator.

3. Slide the shroud over the cinching actuator.

TIP: Push the actuator outboard slightly to allow the shroud to slide over the actuator.

4. Install 2 self-tapping screws to secure the shroud to the actuator.
5. Reinstall the fasteners to secure the latch and cinching actuator.

⚠ CAUTION: Replace all patchbolts.

6. Reinstall the parts that were removed for access.

Affected VIN(s) Affected Model X vehicles.

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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