



# Water Ingress into Rear Doors in Wet Climates

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

**Year** 2016-2018      **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-18-11-004 R1, dated 2-Nov-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, water might enter the door latches or cinching actuators on the rear doors, which can damage certain components integral to automated door latching operation. If a component fails, manual door latching operation is not affected. Certain components have been redesigned to allow water to drain better and protect them from water damage.

## Correction

If diagnosis confirms that water ingress has affected automated rear door latching operation, perform the procedure below on both rear doors.

| Correction Description                                 | Correction | Time |
|--------------------------------------------------------|------------|------|
| SB-18-11-004 Not Applicable                            | S011811004 | 0.00 |
| Install Model X Rear Door Wet Climate Retrofit Package | S021811004 | 4.80 |

| Required Part(s): | Part Number  | Description                              | Quantity |
|-------------------|--------------|------------------------------------------|----------|
|                   | 1069003-00-B | FALCON DOOR LOWER EDGE PROTECTOR LH      | 1        |
|                   | 1069010-00-B | FALCON DOOR LOWER EDGE PROTECTOR RH      | 1        |
|                   | 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                       | 2        |
|                   | 1005822-00-A | NUT HEX M6-1.00 8 ZnAl 18 KEPS           | 6        |
|                   | 1033838-99-K | LATCH, RR LH, MDLX                       | 1        |
|                   | 1034481-99-K | LATCH, RR RH, MDLX                       | 1        |
|                   | 1074819-00-A | BOLT,M8x16,FL,TRX,STL[8.8],ZNNI[BLK],ADH | 4        |
|                   | 1133293-00-C | MX RR DOOR LATCH SHROUD                  | 2        |
|                   | 1461401-00-A | BUTYL ROPE                               | 1        |

Select two of the items below:

|              |                                             |   |
|--------------|---------------------------------------------|---|
| 1032469-75-C | REAR DOOR PRIMARY SEAL, METAL RACETRACK, LH | 1 |
|--------------|---------------------------------------------|---|

|              |                                               |   |
|--------------|-----------------------------------------------|---|
| 1032470-75-C | REAR DOOR PRIMARY SEAL, METAL RACETRACK RH    | 1 |
| 1118637-00-D | REAR DOOR PRIMARY SEAL, PLASTIC RACETRACK, LH | 1 |
| 1118638-00-D | REAR DOOR PRIMARY SEAL, PLASTIC RACETRACK 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.

## Procedure

**NOTE:** Do not perform any bulletin twice.

**NOTE:** The correction code provided in this bulletin (S021811004) is for completing all the jobs at once. If performing a subset of this procedure, use the applicable correction code in the appropriate bulletin or bulletins.

1. In Warp Service, select Customer Information, and then select [VIN/Bulletin Tracker](#).
  - If [SB-17-11-003](#), “Replace Rear Door Lower Edge Protectors” has been applied, do not perform step 8.
  - If [SB-17-11-004](#), “Model X Rear Door Latches and Actuators” has been applied, do not perform steps 9 or 12.
  - If [SB-18-11-002](#), “Install Butyl Rope On Lower Rear Doors” has been applied, do not perform steps 12 and 13.
  - If [SB-18-11-003](#) “Install Rear Door Latch Shroud” has been applied, do not perform steps 12 and 13.
  - If none of the above bulletins have been applied, and the vehicle does not have a cinch cover, do all of the steps in this procedure.
  - If the vehicle has a cinch cover, do not perform steps 9 and 12.
2. Open the rear door.
3. Verify that the primary rear door seal is installed correctly, and replace the seal if necessary (refer to Service Manual procedure 11700502).
4. Remove the rear door closeout panel (refer to Service Manual procedure 11701401).
5. Remove the rear door speaker.
6. Remove the rear door cladding assembly (refer to Service Manual procedure 12204202).
7. Remove the butyl patch located beneath the rear door cladding assembly (Figure 1).

**TIP:** Prevent future rework. Check to see if the rear door cladding assembly needs replacement. Refer to the applicable bulletin for the region ([SB-18-12-002](#), “Replace Rear Door Cladding”, other documents similar).



Figure 1 (Butyl patch location)

8. Replace the lower edge protector (refer to [SB-17-11-003](#), “Replace Rear Door Lower Edge Protectors”).

**NOTE:** Remove debris from and clean the area around the LH rear door lower edge protector.

9. Replace the rear door cinching actuator (refer to Service Manual procedure 11353502).

**NOTE:** Skip this step if an actuator cover is installed from the factory.

10. Install a new door cinch actuator cover (refer to [SB-17-11-004](#), “Model X Rear Door Latches and Actuators”).

**NOTE:** Skip this step if an actuator cover is installed from the factory.

11. Replace the rear door latch (refer to Service Manual procedure 11353702).

12. Install a latch shroud (refer to [SB-18-11-003](#), “Install Rear Door Latch Shroud”).

13. Install butyl rope on the lower rear door (refer to [SB-18-11-002](#) “Install Butyl Rope On Lower Rear Doors”).

14. Repeat steps 2 - 13 on the other door.

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**Affected VIN(s)**      Affected Model X vehicles built before approximately March 27, 2018.

**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](mailto:ServiceBulletinFeedback@tesla.com).