**Tesla, Inc.**
**Service Bulletin**

# *Reroute The Intrusion Sensor Wires*

| **Classification** | Repair Bulletin | **Section/Group** | 17 - Electrical | **Country/Region** | Europe |
|---|---|---|---|---|---|
| **Year** | 2016 | **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

On some Model X vehicles, incorrect routing of the intrusion sensor wires might result in electrical interference between the intrusion sensor and the intrusion sensor electrical control unit (ECU). The electrical interference causes the car alarm to activate, even if the vehicle is not being intruded.

## Correction

Upon customer complaint of a falsely triggered alarm, reroute the intrusion sensor wires.

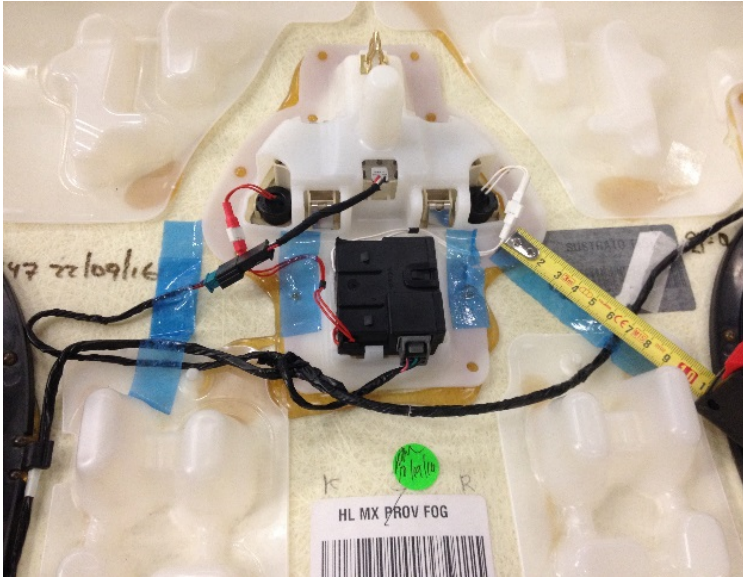| Correction Description | Correction | Time |
|---|---|---|
| SB-17-17-003 Not Applicable | S011717003 | 0.00 |
| Vehicle Inspection Only; Intrusion Sensor Wire Rerouting Not Required | S021717003 | 0.85 |
| Reroute The Intrusion Sensor Wires | S031717003 | 0.90 |

**Required Part(s):**

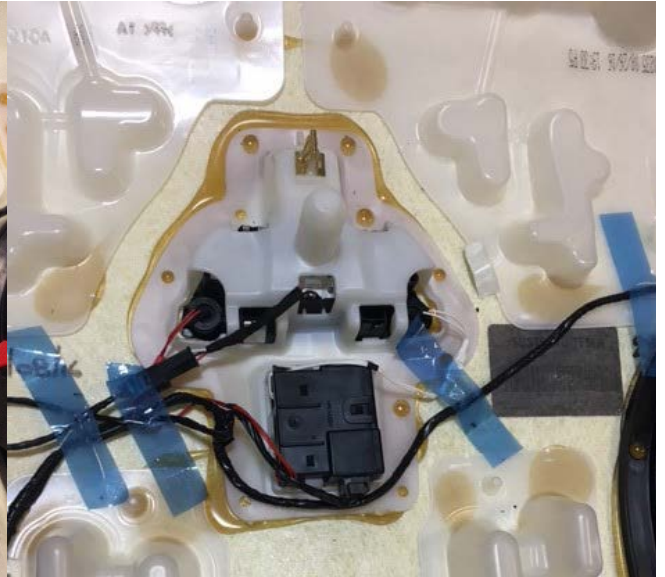| **Shop supplies:** | **Description** |
|---|---|
| 1015432-00-A | TESA 50204 Tape |

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.  Remove the headliner (Refer to Service Manual procedure 15201002).

2.  Inspect the wiring of the intrusion sensor, located inside of the map lamp assembly (Figures 1 and 2): If the black headliner harness is at least 6 cm away from the white intrusion sensor wire and the black headliner harness crosses the red intrusion sensor wire at a 90˚ angle, the wiring is correct. Discontinue this procedure and escalate a Toolbox session as appropriate.



✔ **Figure 1 (correct wiring)**          ✖ **Figure 2 (incorrect wiring)**

3.  Remove all tape from the map lamp assembly.

4.  Move the black headliner harness so that it is at least 6 cm away from the white wire (Figure 1).

5.  Tape the red and white wires into position so that there is slack on the wire, the connectors, and the sensors.

⚠ **CAUTION**: Make sure that the white wire is at least 6 cm away from the black headliner harness. If the wires are too close together, electrical interference might occur.

6.  Tape all wires and harnesses into position.

7.  Reinstall the headliner.

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**Affected VIN(s)**    Affected Model X vehicles built before August 9, 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.*