

Part 573 Safety Recall Report

22V-843

Manufacturer Name : Tesla, Inc.**Submission Date :** NOV 15, 2022**NHTSA Recall No. :** 22V-843**Manufacturer Recall No. :** SB-22-00-015**Manufacturer Information :**

Manufacturer Name : Tesla, Inc.

Address : 1 Tesla Road
Austin TX 78725

Company phone : 6506815000

Population :

Number of potentially involved : 29,348

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2023 Tesla Model X

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain model year 2021-2023 Model X vehicles that were manufactured for the U.S. market and are subject to Federal Motor Vehicle Safety Standard (FMVSS) 208. Affected vehicles were identified based on vehicle manufacturing records.

Production Dates : SEP 08, 2021 - NOV 05, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : On certain 2021-2023 Model X vehicles, the restraint control module (RCM) calibration may result in the frontal passenger airbag deploying in an unintended configuration during certain low-speed collision events. This may result in noncompliance with FMVSS 208, Sections 21.4 and 23.4, when a 3- or 6-year-old front passenger, respectively, is unbelted and out of position.

FMVSS 1 : 208 - Occupant crash protection

FMVSS 2 : NR

Description of the Safety Risk : In certain low-speed collision events where a 3- or 6-year-old front passenger is unbelted and out of position, a passenger airbag that does not comply with FMVSS 208, Section 21.4, may increase the risk of injury.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Vehicle Firmware

Component Description : Vehicle FW ver. before 2022.40.200

Component Part Number : N/A

Supplier Identification :**Component Manufacturer**

Name : Tesla, Inc.

Address : 1 Tesla Road
Austin Texas 78725

Country : United States

Chronology :

- On October 18, 2022, Tesla conducted a pre-scheduled Conformity of Production test to confirm compliance with FMVSS 208 on a current production Model X vehicle. In the test, the vehicle restraint system deployment logic did not operate as designed.
- On October 25, 2022, additional tests were conducted to confirm the results of the test conducted on October 18, 2022.
- Between November 2 – 7, 2022, based on the results of two prior tests, Tesla conducted out of position confirmatory tests to assess compliance with FMVSS 208, Sections 21, 23 and 25.
- On November 8, 2022, test results were analyzed, and non-compliance was verified with Sections 21.4 and 23.4. A voluntary recall determination was made on the same day.
- As of November 8, 2022, Tesla is not aware of any warranty claims, field reports, crashes, injuries, or deaths related to this condition.

Description of Remedy :

Description of Remedy Program : At no cost to the customer, Tesla will deploy an over-the-air (“OTA”) firmware update to affected vehicles that updates the calibration of the restraint control module to ensure that the frontal passenger airbag complies with FMVSS 208, Sections 21.4 and 23.4.

Tesla does not plan to include a statement in the Part 577 owner notification about pre-notice reimbursement because there are no out of warranty repairs related to this condition.

How Remedy Component Differs from Recalled Component : In a low-speed collision event where a 3- or 6-year-old front passenger is unbelted and out of position, the remedy OTA firmware update ensures that the frontal passenger airbag complies with FMVSS 208, Sections 21.4 and 23.4, whereas a firmware release without the remedy does not ensure compliance.

Identify How/When Recall Condition was Corrected in Production : Beginning on November 15, 2022, vehicles in production and in pre-delivery containment received a firmware release that includes the remedy.

Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified about this recall on or shortly after November 17, 2022. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : NOV 17, 2022 - NOV 17, 2022

Planned Owner Notification Date : JAN 14, 2023 - JAN 14, 2023

* NR - Not Reported