

Part 573 Safety Recall Report

24V-376

Manufacturer Name : Tesla, Inc.**Submission Date :** JUL 10, 2024**NHTSA Recall No. :** 24V-376**Manufacturer Recall No. :** SB-24-00-008**Manufacturer Information :**

Manufacturer Name : Tesla, Inc.

Address : 1 Tesla Road
Austin TX 78725

Company phone : 6506815000

Population :

Number of potentially involved : 125,233

Estimated percentage with defect : 2 %

Vehicle Information :

Vehicle 1 : 2012-2024 Tesla Model S

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes Model Year (MY) 2012-2024 Model S, MY 2015-2024 Model X, MY 2017-2023 Model 3, and MY 2020-2023 Model Y vehicles that are or were operating with certain seat belt reminder software logic, as described in the defect description.

Production Dates : OCT 16, 2012 - MAY 06, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2023 Tesla Model Y

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes Model Year (MY) 2012-2024 Model S, MY 2015-2024 Model X, MY 2017-2023 Model 3, and MY 2020-2023 Model Y vehicles that are or were operating with certain seat belt reminder software logic, as described in the defect description.

Production Dates : JAN 13, 2020 - NOV 15, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2017-2023 Tesla Model 3

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes Model Year (MY) 2012-2024 Model S, MY 2015-2024 Model X, MY 2017-2023 Model 3, and MY 2020-2023 Model Y vehicles that are or were operating with certain seat belt reminder software logic, as described in the defect description.

Production Dates : JUL 15, 2017 - NOV 15, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2015-2024 Tesla Model X

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes Model Year (MY) 2012-2024 Model S, MY 2015-2024 Model X, MY 2017-2023 Model 3, and MY 2020-2023 Model Y vehicles that are or were operating with certain seat belt reminder software logic, as described in the defect description.

Production Dates : DEC 16, 2015 - APR 29, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : FMVSS No. 208, S7.3(a)(1), requires short-duration, audible and visual seat belt reminder signals to alert the driver that their seat belt is not fastened. Specifically, when the vehicle ignition is moved to the "on" or "start" position and the driver's seat belt is not fastened, a continuous or intermittent audible signal must activate for not less than four seconds and a visual signal must display for not less than sixty seconds.

On certain affected vehicles, an open trace, disconnection of, or open circuit in the driver seat occupancy switch may result in a loss of the audible and visual seat belt reminder signals when the driver's seat belt is not fastened after the vehicle ignition is moved to the "on" or "start" position.

FMVSS 1 : 208 - Occupant crash protection

FMVSS 2 : NR

Description of the Safety Risk : A vehicle that does not alert the driver to an unfastened seat belt after the vehicle ignition is moved to the "on" or "start" position does not comply with FMVSS No. 208, S7.3(a)(1), which may increase the risk of injury in a collision.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Involved Components :

Component Name 1 : Vehicle software

Component Description : On affected vehicles, software releases that are or were operating with certain seat belt reminder software logic, as described in the defect description.

Component Part Number : NR

Component Name 2 : Tesla Model 3 1st row SBR

Component Description : On affected vehicles (applicable across all model and model years), the first-row driver seat belt reminder sensor. (Component manufacturer is I.G. Bauerhin GmbH, Wiesenstraße 29 Gruendau, Germany).

Component Part Number : 1099592-00-F

Supplier Identification :

Component Manufacturer

Name : Tesla

Address : 1 Tesla Road
Austin Texas 78725

Country : United States

Chronology :

- On April 18, 2024, as part of an internal compliance audit involving a MY 2024 Tesla Model X being tested to UNECE Regulation No. 16, Tesla identified that the seat belt reminder signals did not chime or display.
- From April 22, 2024, to May 14, 2024, Tesla investigated the condition, performed tests to characterize and recreate it, and began scoping the vehicles that potentially could be impacted by it.
- From May 14, 2024, to May 20, 2024, as part of its ongoing investigation, Tesla further developed and ran fleet query analytics to identify whether and how many affected vehicles may be operating with the condition.
- On May 20, 2024, having completed its assessment, Tesla made a voluntary determination to recall the

affected vehicles.

- As of May 28, 2024, Tesla identified 104 warranty claims that may be related to the condition. Tesla is not aware of any collisions, fatalities or injuries that may be related to the condition.

- On June 12, 2024, during a pre-delivery inspection, Tesla identified an unplugged or disconnected sensor condition on certain Model S Plaid vehicles with sport seats that caused the seat belt reminder signal to not chime or display.

- From June 12, 2024, to June 25, 2024, Tesla developed and ran fleet query analytics to identify whether and how many affected vehicles may be operating with the unplugged or disconnected sensor condition.

- On June 25, 2024, Tesla made a voluntary determination to recall the additional affected vehicles.

Description of Remedy :

Description of Remedy Program : At no cost to customers, affected vehicles will receive an over-the-air (OTA) software remedy, which began deploying to affected vehicles in June 2024. The software remedy will remove dependency on the driver seat occupancy switch from the software logic and only rely on driver seat belt buckle and ignition status to activate the seat belt reminder signals.

No further action is necessary from owners whose vehicles are equipped with the upcoming software release.

How Remedy Component Differs from Recalled Component : The remedy component will comply with FMVSS No. 208, S7.3(a)(1), whereas the recalled component does not.

Identify How/When Recall Condition was Corrected in Production : Beginning on April 24, 2024, a visual inspection standard was introduced in Model S seat assembly to verify the correct routing of the driver seat occupancy switch for purposes of ensuring compliance with FMVSS No. 208, S7.3(a)(1). Beginning on April 29, 2024, a functional test was introduced in Model S and Model X seat assembly to verify the functionality of the driver seat occupancy switch for purposes of ensuring compliance with FMVSS No. 208, S7.3(a)(1), aligning with the same functional test that was introduced in Model 3 and Model Y seat assembly beginning on November 15, 2023, as part of continued production improvements.

Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified about this recall on or shortly after May 30, 2024.

Planned Dealer Notification Date : MAY 30, 2024 - MAY 30, 2024

Planned Owner Notification Date : JUL 27, 2024 - JUL 27, 2024

* NR - Not Reported