

# Part 573 Safety Recall Report

# 24V-886

**Manufacturer Name :** Tesla, Inc.**Submission Date :** NOV 22, 2024**NHTSA Recall No. :** 24V-886**Manufacturer Recall No. :** SB-24-13-004**Manufacturer Information :**

Manufacturer Name : Tesla, Inc.

Address : 1 Tesla Road  
Austin TX 78725

Company phone : 6506815000

**Population :**

Number of potentially involved : 27

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2024-2024 Tesla Model Y

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The subject population includes certain Model Year (MY) 2024 Model Y vehicles manufactured between October 28, 2024, and October 30, 2024, that are equipped with driver seat and front passenger seat assemblies produced between October 28, 2024, and October 29, 2024.

Production Dates : OCT 28, 2024 - OCT 30, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

**Description of the Defect :** On affected vehicles, the weld which attaches the seat recliner mechanism to the seat back may not have sufficient penetration to assure the durability and integrity of the seat assembly.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** In the event of a collision, the seat back frame may not properly restrain the occupant, increasing the risk of injury.

**Description of the Cause :** NR

**Identification of Any Warning that can Occur :** Customers may notice a loose or rattling seat, increased effort required to recline the seat, and/or an inability to fully recline the seat if partial separation has occurred at the weld.

**Involved Components :**

Component Name 1 : MS3XY 1R SB FRAME POWER ASY

Component Description : Front seat backrest frame assembly

Component Part Number : 1107081-TX-D

## Supplier Identification :

### Component Manufacturer

Name : Tesla, Inc.

Address : 1 Tesla Road

Austin Texas 78725

Country : United States

## Chronology :

On October 29, 2024, Tesla began investigating a seat recliner failure due to the weld-cell equipment generating multiple non-conformances in the manufacturing operating system. While performing weld teardown review, the engineers identified that the weld penetration measured below the lower specification limit.

From October 29, 2024, to November 5, 2024, Tesla investigated the condition and evaluated equipment parameters that could cause compromised weld integrity.

On October 30, 2024, the engineering team stopped operation of the manufacturing line for the seat frame due to the risk of low weld penetration.

From November 4, 2024, through November 14, 2024, Tesla investigated the condition, analyzed produced seat assemblies and production data, and Tesla completed weld analyses to characterize the condition and identify vehicles that could potentially be impacted.

On November 7, 2024, Tesla performed equipment validations and weld teardown study to ensure weld penetration was within specification and resumed operation of the manufacturing line for the seat frame.

On November 15, 2024, having completed its assessment, Tesla made a determination to voluntarily recall the affected vehicles.

As of November 18, 2024, Tesla has identified no warranty claims that may be related to the condition. Tesla is not aware of any collisions, fatalities or injuries that are or may be related to the condition.

## Description of Remedy :

Description of Remedy Program : At no charge to the customer, Tesla will replace the recalled seat assembly with a seat of certified weld quality.

Tesla does not plan to include a statement in the Part 577 owner notification about pre-notice reimbursement to owners because all affected vehicles remain covered under the new vehicle warranty.

How Remedy Component Differs from Recalled Component : The remedy component incorporates the remedy described above whereas the recalled component does not incorporate the remedy described above.

Identify How/When Recall Condition was Corrected in Production : Beginning on Nov 07, 2024, quality control improvements for the manufacturing process and preventative maintenance of the laser weld were implemented at Giga Factory Texas. These improvements include implementing restrictions for equipment parameter changes that might impact weld seam properties (length, duration, laser power, core laser power, velocity, z-defocusing, position and size of weld) and following change control to assure that all affected departments follow the approval process prior to any change, including a weld integrity validation check. A new interlock system was implemented with the installation of collimator lens monitoring system to detect contamination and stop manufacturing process if a non-conforming condition is identified.

## Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified about this recall on or shortly after November 26, 2024. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : NOV 26, 2024 - NOV 26, 2024

Planned Owner Notification Date : JAN 21, 2025 - JAN 21, 2025

\* NR - Not Reported