

Part 573 Safety Recall Report

24V-904

Manufacturer Name : Tesla, Inc.**Submission Date :** DEC 02, 2024**NHTSA Recall No. :** 24V-904**Manufacturer Recall No. :** SB-24-00-017**Manufacturer Information :**

Manufacturer Name : Tesla, Inc.

Address : 1 Tesla Road

Austin TX 78725

Company phone : 6506815000

Population :

Number of potentially involved : 25

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2024-2024 Tesla Model X

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain Model Year (MY) 2024 Model X vehicles manufactured between June 5, 2024, and August 2, 2024, that are or were operating with a specific combination of software and headlamp hardware.

Production Dates : JUN 05, 2024 - AUG 02, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Noncompliance :**

Description of the Noncompliance : On affected vehicles, the lower beam headlamps and parking lamps may flicker under certain ambient temperatures, which does not comply with the "steady burning" requirement in FMVSS 108.

FMVSS 1 : 108 - Lamps, reflective devices, and assoc. Equipment

FMVSS 2 : NR

Description of the Safety Risk : A lower beam headlamp or parking lamp that does not comply with FMVSS 108 may impact road illumination, increasing the risk of a collision.

Description of the Cause : NR

Identification of Any Warning that can Occur : The driver may observe degraded road illumination.

Involved Components :

Component Name 1 : LH headlamp assembly

Component Description : HD/LP ASY, GLOBAL, LH

Component Part Number : 1800040-00-C

Component Name 2 : RH headlamp assembly

Component Description : HD/LP ASY, GLOBAL, RH

Component Part Number : 1800041-00-C

Component Name 3 : Software Releases 2023.20-2024.26.7 (Tesla mfg.)

Component Description : Mfg. by Tesla, Inc. at 1 Tesla Road Austin, TX 78725

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Hella Automotive Mexico SA de CV

Address : Avenida Primero de Mayo No.120
Naucalpan de Juarez Foreign States 53489

Country : Mexico

Chronology :

On August 12, 2024, Tesla identified a potential flicker condition with the lower beam headlamps and parking lamps that had been observed on one undelivered MY 2024 Tesla Model X located outside the U.S. Tesla began investigating the condition, initially as a quality concern.

On August 16, 2024, as a quality measure and with the underlying analysis of the condition not yet complete, Tesla began deploying a global software release in production and to the customer fleet to promptly mitigate the condition. In the interim, an engineering investigation of the condition continued.

From mid-August through October 2024, Tesla worked with the supplier to perform a root-cause analysis of the condition. This included an assessment of the headlamp assembly component to determine whether design specifications were met, identify a scope of potentially affected vehicles with the headlamp assembly component, whether the condition related to the headlamp assembly component or to operating software or both, and whether the aforementioned software release effectively mitigated the condition given the early stage of the engineering investigation at the time.

On October 24, 2024, as part of the continuing engineering investigation, Tesla identified 25 vehicles that were delivered to customers in the U.S. with the headlamp assembly component but without the software release installed, such that the condition may have been present upon delivery. Those vehicles had since received the August 2024 global software release. The engineering investigation continued through late October into November, which revealed the condition was due to a unique combination of temperature, a software issue and headlamp hardware that had been produced close to the periphery of its design specifications. The findings of the engineering investigation also confirmed that the August 2024 global software release had been effective in addressing the flicker condition.

Chronology cont. in attached PDF.

Description of Remedy :

Description of Remedy Program : Beginning on or shortly after August 16, 2024, at no cost to customers, affected vehicles received an over-the-air (OTA) software remedy that ensures the lower beam headlamps and parking lamps comply with the “steady burning” requirement in FMVSS 108. No further action is necessary from owners of affected vehicles that are equipped with software release 2024.26.8 or a later release. As of November 27, 2024, all 25 affected vehicles in the United States installed the software remedy.

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 software remedy described above whereas the recalled component does not incorporate the software remedy described above.

Identify How/When Recall Condition was Corrected in Production : Beginning on August 16, 2024, vehicles in production received the software remedy described above. No action is necessary from owners of vehicles equipped with software release 2024.26.100.1 or a later release in production.

Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified about this recall on or shortly after December 4, 2024. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : DEC 04, 2024 - DEC 04, 2024

Planned Owner Notification Date : JAN 31, 2025 - JAN 31, 2025

* NR - Not Reported