

Part 573 Safety Recall Report

24V-456

Manufacturer Name : Tesla, Inc.

Submission Date : JUL 29, 2024

NHTSA Recall No. : 24V-456

Manufacturer Recall No. : SB-24-17-006



Manufacturer Information :

Manufacturer Name : Tesla, Inc.

Address : 1 Tesla Road

Austin TX 78725

Company phone : 6506815000

Population :

Number of potentially involved : 11,688

Estimated percentage with defect : 2 %

Vehicle Information :

Vehicle 1 : 2024-2024 Tesla Cybertruck

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population includes all Model Year ("MY") 2024 Cybertruck vehicles manufactured from November 13, 2023, to June 6, 2024.

Production Dates : NOV 13, 2023 - JUN 06, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : On affected vehicles, the front windshield wiper motor controller may stop functioning due to electrical overstress to the gate driver component.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A non-functioning windshield wiper may reduce visibility in certain operating conditions, which may increase the risk of a collision.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Assembly, Wiper Motor, Everest

Component Description : Wiper Motor Assembly

Component Part Number : 1853250-00-B

Supplier Identification :

Component Manufacturer

Name : Valeo Sistemas Electricos S.A de C.V

Address : Carretera Mexico - Piedras Negras #3900
San Luis Potosí Foreign States 78395

Country : Mexico

Chronology :

- On February 2, 2024, Tesla Service identified early wiper motor failures on certain affected vehicles.
- From February 2, 2024, to February 28, 2024, Service recovered 20 wiper motors for Engineering to inspect and perform root cause and failure analyses.
- From February 28, 2024, through June 4, 2024, the analyses performed in conjunction with the Tier 1 (Valeo) and Tier 2 (USI) suppliers uncovered damage to the PCB (12U2 gate driver) from a functional test by the Tier 2 supplier that applied excessive current to the component.
- In parallel, on May 28, 2024, the Tier 1 supplier implemented a corrective action to eliminate the original functional test and adopt a new functional test using a lower current.
- From June 4, 2024, through June 12, 2024, Tesla reviewed production records to understand the possible scope.
- On June 12, 2024, Tesla made a determination to voluntarily recall the affected vehicles.
- Tesla identified 194 warranty claims and 15 field reports for U.S. vehicles that are related to or may be related to this condition. As of June 12, 2024, Tesla is not aware of any collisions, injuries, or deaths relating to this condition.

Description of Remedy :

Description of Remedy Program : At no charge to the customer, Tesla will replace the windshield wiper motor with a wiper motor that has a properly functioning gate driver component.

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 recalled component is a wiper motor whose gate driver may have been damaged due to electrical overstress during functional testing. The remedy component is a wiper motor whose gate driver is operating as designed and was not damaged due to electrical overstress during function testing.

Identify How/When Recall Condition was Corrected in Production : On May 28, 2024, the supplier introduced a functional test using a lower current to prevent damage and ensure integrity of the gate driver. Cybertruck vehicles at delivery centers and in transit to delivery centers received or will receive the remedy described above prior to customer delivery.

Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified on or around June 21, 2024. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : JUN 21, 2024 - JUN 21, 2024

Planned Owner Notification Date : AUG 18, 2024 - AUG 18, 2024

* NR - Not Reported