

Part 573 Safety Recall Report

24V-832

Manufacturer Name : Tesla, Inc.**Submission Date :** NOV 05, 2024**NHTSA Recall No. :** 24V-832**Manufacturer Recall No. :** SB-24-40-009**Manufacturer Information :**

Manufacturer Name : Tesla, Inc.

Address : 1 Tesla Road

Austin TX 78725

Company phone : 6506815000

Population :

Number of potentially involved : 2,431

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2024-2024 Tesla Cybertruck

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain Model Year (MY) 2024 Cybertruck vehicles manufactured between November 6, 2023, and July 30, 2024, that are or were equipped with metal-oxide-semiconductor field-effect transistors (MOSFET) in the drive inverter. The affected population includes vehicles equipped with Inverter Part number family 1802305 containing MOSFET part number 1530063-2A-B.

Production Dates : NOV 06, 2023 - JUL 30, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : On affected vehicles, a fault in the drive inverter may cause it to stop producing torque.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the inverter stops producing torque, the driver loses the ability to apply torque to the vehicle using the accelerator pedal resulting in a loss of propulsion, which may increase the risk of a collision.

Description of the Cause : NR

Identification of Any Warning that can Occur : No warning occurs prior to the loss of propulsion. However, when the driver loses the ability to apply torque, they will immediately receive a visual alert on the user interface, with an instruction to safely pull over the vehicle to the side of the road.

Involved Components :

Component Name 1 : ASY, DRIVE INV, 4DU, 850V+

Component Description : Drive Unit traction inverter

Component Part Number : Inverter Part number family 1802305, limited to inverters containing MOSFET part number 1530063-2A-B

Supplier Identification :**Component Manufacturer**

Name : Tesla

Address : 1 Tesla Road
Austin Texas 78725

Country : United States

Chronology :

On August 5, 2024, Tesla began investigating a customer complaint of a sudden loss of propulsion on a MY 2024 Cybertruck event that occurred on July 31, 2024.

From August 5, 2024, through October 23, 2024, Tesla investigated the condition and analyzed field data to characterize the condition and identify vehicles that could potentially be impacted.

On October 23, 2024, Tesla identified an increased rate of failure for a population of drive inverters equipped with MOSFET components.

On October 30, 2024, having completed its assessment, Tesla made a determination to voluntarily recall the affected vehicles.

As of October 30, 2024, Tesla has identified 5 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 : Beginning on or shortly after December 9, 2024, at no charge to the customer, Tesla will replace the recalled drive inverter with a drive inverter equipped with a properly functioning MOSFET 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 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 July 30, 2024, the remedy described above was introduced in production.

Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified about this recall on or shortly after November 7, 2024. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : NOV 07, 2024 - NOV 07, 2024

Planned Owner Notification Date : JAN 04, 2025 - JAN 04, 2025

* NR - Not Reported