

Part 573 Safety Recall Report

23V-205

Manufacturer Name : Tesla, Inc.

Submission Date : MAR 24, 2023

NHTSA Recall No. : 23V-205

Manufacturer Recall No. : SB-23-33-001



Manufacturer Information :

Manufacturer Name : Tesla, Inc.

Address : 1 Tesla Road

Austin TX 78725

Company phone : 6506815000

Population :

Number of potentially involved : 35

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Tesla Semi

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain Tesla Semi trucks that were manufactured with certain parking brake valve modules as identified by the supplier. Affected vehicles were identified based on vehicle manufacturing records.

Production Dates : NOV 30, 2022 - FEB 28, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Certain Tesla Semi trucks are equipped with a supplier-provided electronically controlled parking brake valve module that may intermittently fail to transition when the parking brake is engaged or disengaged, which could then result in the parking brakes not being set or released.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the parking brakes are not engaged when the driver expects them to be and the driver releases the service brakes, the vehicle may unintentionally move, increasing the risk of crash.

Description of the Cause : The supplier's specification may allow for excessive internal air leakage, which does not allow pressure to build properly. As a result, the valve module fails to transition when parking brakes are requested by the driver.

Identification of Any Warning that can Occur : When the parking brakes are not engaged, the LEDs on the side console parking brake switches will remain off.

Involved Components :

Component Name 1 : Intellipark Valve Module

Component Description : Intellipark Towing Park Brake Module (PVM)

Component Part Number : 1124642-00-A

Supplier Identification :

Component Manufacturer

Name : Bendix Commercial Vehicle Systems LLC

Address : 35500 Chester Road

Avon Ohio 44011

Country : United States

Chronology :

- On February 13, 2023, Bendix first communicated to Tesla their Safety Committee's determination to file a recall for the involved component based on field issues Bendix observed from their customers.
- On February 14, 2023, Tesla met with Bendix to review the issue in more detail and discuss Bendix's recall determination. Shortly thereafter, Bendix filed a 573 Safety Recall with NHTSA for the component in question.
- From February 14 to March 17, 2023, Tesla investigated the root cause and completed a risk assessment of the impact that the condition introduced in affected Tesla Semi trucks.
- On March 17, 2023, Tesla completed its investigation, and determined to file a voluntary recall.
- As of March 24, 2023, Tesla has not identified any warranty claims, crashes, injuries or deaths that may be related to such conditions.

Description of Remedy :

Description of Remedy Program : At no cost to the customer, Tesla will replace the parking brake valve module with a revised part with improved internals that prevent air leakage and allow the driver to engage and disengage parking brakes.

Tesla does not plan to include a statement in the Part 577 owner notification about pre-notice reimbursement because there are no out of warranty repairs related to these conditions.

How Remedy Component Differs from Recalled Component : Replacement parking valve modules from the supplier contain improved internal components that prevent air leakage.

Identify How/When Recall Condition was Corrected in Production : Starting on March 14, 2023, Tesla Semi trucks are manufactured with the replacement module with improved internals that prevent air leakage. Tesla Semi trucks manufactured but not yet delivered with the recalled parking valve module will receive the replacement module prior to delivery.

Recall Schedule :

Description of Recall Schedule : All Tesla Semi service teams will be notified about this recall on or shortly after March 27, 2023. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : MAR 27, 2023 - MAR 27, 2023

Planned Owner Notification Date : MAY 23, 2023 - MAY 23, 2023

* NR - Not Reported