

Part 573 Safety Recall Report

20V-609

Manufacturer Name : Tesla, Inc.

Submission Date : NOV 24, 2020

NHTSA Recall No. : 20V-609

Manufacturer Recall No. : SB-20-00-002



Manufacturer Information :

Manufacturer Name : Tesla, Inc.

Address : 3500 Deer Creek Road
Palo Alto CA 94304

Company phone : 650-413-4000

Population :

Number of potentially involved : 2,567

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2020 Tesla Model Y

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes all Tesla Model Y vehicles equipped with a global rear lamp variant (part nos. 1502086-00-A, 1502087-00-A, 1502088-00-A, and 1502089-00-A) and tow package configuration.

Production Dates : AUG 10, 2020 - SEP 22, 2020

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : FMVSS 108 (Table I-b) requires stop lamps on the rear of all trailers, which must be activated upon application of the service brakes. A software error in certain Model Y vehicles may prevent illumination of trailer brake lights upon actuation of the service brake.

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

FMVSS 2 : NR

Description of the Safety Risk : This condition may result in inoperative trailer brake lights.

Description of the Cause : On August 10, 2020, Tesla introduced a new global rear lamp variant into production for Model Y. The new rear lamp variant introduced a new channel into the vehicle control module, which the software did not properly map to the integrated trailer control module.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

- On August 22, 2020, Tesla Service received an appointment request for a Model Y customer who reported that their trailer brake lights were inoperative. An appointment was scheduled for September 17th.
- On September 16, 2020, an internal validation team separately identified a discrepancy in brake light activation during trailer light regression testing, although the cause and full consequence was not yet known.
- On September 21, 2020, the engineering team received a service escalation related to the customer concern and immediately commenced an investigation, identified the firmware issue, and created a firmware fix.
- On September 23, 2020, Tesla determined that a noncompliance exists.

Description of Remedy :

Description of Remedy Program : Tesla will remedy this noncompliance with firmware release 2020.36.12, which was released over-the-air (OTA) to vehicles in the field on or about September 23, 2020. The fix will be carried forward in firmware releases 2020.40.3 and later. As of this filing, more than 97% of the affected VIN population has installed firmware release 2020.36.12 or a later release containing the correction.

How Remedy Component Differs from Recalled Component : Firmware release 2020.36.12 corrects the mapping of the rear lamp to the trailer control module.

Identify How/When Recall Condition was Corrected in Production : Factory firmware release 2020.35.101.06, which corrects the software mapping error, was introduced in production on September 22, 2020.

Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified on or about October 2, 2020. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : OCT 05, 2020 - OCT 06, 2020

Planned Owner Notification Date : NOV 23, 2020 - NOV 23, 2020

* NR - Not Reported