

Part 573 Safety Recall Report

22V-037

Manufacturer Name : Tesla, Inc.**Submission Date :** JAN 27, 2022**NHTSA Recall No. :** 22V-037**Manufacturer Recall No. :** SB-22-00-001**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 : 53,822

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2022 Tesla Model 3

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain Model S, X, 3 and Y vehicles operating firmware release 2020.40.4.10 or newer that contain Full Self-Driving (Beta) ("FSD Beta") feature, determined by a review of firmware release records.

Production Dates : JUL 25, 2017 - DEC 21, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2016-2022 Tesla Model S

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain Model S, X, 3 and Y vehicles operating firmware release 2020.40.4.10 or newer that contain Full Self-Driving (Beta) ("FSD Beta") feature, determined by a review of firmware release records.

Production Dates : SEP 09, 2016 - DEC 26, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2016-2022 Tesla Model X

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain Model S, X, 3 and Y vehicles operating firmware release 2020.40.4.10 or newer that contain Full Self-Driving (Beta) (“FSD Beta”) feature, determined by a review of firmware release records.

Production Dates : NOV 09, 2016 - DEC 29, 2021

VIN Range 1 : Begin : NR **End :** NR Not sequential

Vehicle 4 : 2020-2022 Tesla Model Y

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain Model S, X, 3 and Y vehicles operating firmware release 2020.40.4.10 or newer that contain Full Self-Driving (Beta) (“FSD Beta”) feature, determined by a review of firmware release records.

Production Dates : JAN 17, 2020 - DEC 30, 2021

VIN Range 1 : Begin : NR **End :** NR Not sequential

Description of Defect :

Description of the Defect : A software functionality referred to as “rolling stop” allows the vehicle to travel through all-way-stop intersections at up to 5.6 mph before coming to a complete stop, if certain conditions are first met.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Entering an all-way-stop intersection without coming to a complete stop may increase the risk of collision. Tesla is not aware of any collisions, injuries or fatalities related to this condition.

Description of the Cause : The “rolling stop” functionality is designed to allow the vehicle to travel through an all-way-stop intersection without coming to a complete stop when several operating conditions are first met. The required conditions include:

1. The functionality must be enabled within the FSD Beta Profile settings; and
2. The vehicle must be approaching an all-way stop intersection; and
3. The vehicle must be traveling below 5.6mph; and
4. No relevant moving cars are detected near the intersection; and
5. No relevant pedestrians or bicyclists are detected near the intersection; and

6. There is sufficient visibility for the vehicle while approaching the intersection; and

7. All roads entering the intersection have a speed limit of 30 mph or less.

If all the above conditions are met, only then will the vehicle travel through the all-way-stop intersection at a speed from 0.1 mph up to 5.6 mph without first coming to a complete stop. If any of the above conditions are not met, the functionality will not activate and the vehicle will come to a complete stop.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Vehicle FW v. 2020.40.4.10 and later with FSD Beta

Component Description : N/A

Component Part Number : N/A

Supplier Identification :

Component Manufacturer

Name : Tesla

Address : 13101 Tesla Road
Austin Texas 78725

Country : United States

Chronology :

- On October 20, 2020, firmware release 2020.40.4.10 was released through an over-the-air (“OTA”) firmware update to vehicles in the limited early access FSD Beta population. The release introduced the “rolling stop” functionality.

- On January 10, 2022, and again on January 19, 2022, Tesla met with NHTSA to discuss the functionality, including operating parameters.

- On January 20, 2022, a recall determination was voluntarily made to disable the functionality, beginning with firmware release 2021.44.30.15 and newer releases.

- As of January 27, 2022, Tesla is not aware of any warranty claims, field reports, crashes, injuries or fatalities related to this condition.

Description of Remedy :

Description of Remedy Program : Tesla will disable the “rolling stop” functionality on affected vehicles, starting with firmware release 2021.44.30.15. Firmware release 2021.44.30.15 is expected to begin deployment OTA to affected vehicles in early February 2022. The disablement will carry forward in firmware release 2021.44.30.15 and later releases. No further action is necessary from owners who install firmware release 2021.44.30.15 or a later release on their vehicles. Tesla does not plan to include a statement in the Part 577 owner notification about pre-notice reimbursement to owners because there is no paid repair relating to this recall’s underlying condition and owners will receive the remedy free of charge through firmware release 2021.44.30.15 or a later release.

How Remedy Component Differs from Recalled Component : Firmware release 2021.44.30.15 and later releases disable the “rolling stop” functionality.

Identify How/When Recall Condition was Corrected in Production : N/A. Firmware releases containing the “rolling stop” functionality were not installed on or deployed to new vehicles in production.

Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified on or shortly after February 1, 2022. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : FEB 01, 2022 - FEB 01, 2022

Planned Owner Notification Date : MAR 28, 2022 - MAR 28, 2022

* NR - Not Reported