

Part 573 Safety Recall Report

22V-235

Manufacturer Name : Tesla, Inc.**Submission Date :** APR 15, 2022**NHTSA Recall No. :** 22V-235**Manufacturer Recall No. :** SB-22-00-003**Manufacturer Information :**

Manufacturer Name : Tesla, Inc.

Address : 1 Tesla Road
Austin TX 78725

Company phone : 6506815000

Population :

Number of potentially involved : 594,894

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2022 Tesla Model S

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain model year ("MY") 2020-22 Model S, Model X, and Model Y vehicles and certain MY 2017-22 Model 3 vehicles built or retrofitted with pedestrian warning system, including certain Model Year 2022 Model S, Model X, Model 3 and Model Y vehicles that are configured with Summon or Smart Summon and were manufactured before a production change went into effect on March 31, 2022. This recall supersedes Recall No. 22V-063, and for completeness the population includes all vehicles that were originally subject to 22V-063, including those which have already successfully received the OTA remedy.

Production Dates : AUG 28, 2020 - MAR 31, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2022 Tesla Model X

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain model year ("MY") 2020-22 Model S, Model X, and Model Y vehicles and certain MY 2017-22 Model 3 vehicles built or retrofitted with pedestrian warning system, including certain Model Year 2022 Model S, Model X, Model 3 and Model Y vehicles that are configured with Summon or Smart Summon and were manufactured before a production change went into effect on March 31, 2022. This recall supersedes Recall No. 22V-063, and for completeness the population includes all vehicles that were originally subject to 22V-063, including those which have already successfully received the OTA remedy.

Production Dates : AUG 28, 2020 - MAR 31, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2017-2022 Tesla Model 3

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The subject population includes certain model year (“MY”) 2020-22 Model S, Model X, and Model Y vehicles and certain MY 2017-22 Model 3 vehicles built or retrofitted with pedestrian warning system, including certain Model Year 2022 Model S, Model X, Model 3 and Model Y vehicles that are configured with Summon or Smart Summon and were manufactured before a production change went into effect on March 31, 2022. This recall supersedes Recall No. 22V-063, and for completeness the population includes all vehicles that were originally subject to 22V-063, including those which have already successfully received the OTA remedy.

Production Dates : DEC 27, 2017 - MAR 22, 2022

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 year (“MY”) 2020-22 Model S, Model X, and Model Y vehicles and certain MY 2017-22 Model 3 vehicles built or retrofitted with pedestrian warning system, including certain Model Year 2022 Model S, Model X, Model 3 and Model Y vehicles that are configured with Summon or Smart Summon and were manufactured before a production change went into effect on March 31, 2022. This recall supersedes Recall No. 22V-063, and for completeness the population includes all vehicles that were originally subject to 22V-063, including those which have already successfully received the OTA remedy.

Production Dates : NOV 26, 2019 - MAR 31, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Noncompliance :

Description of the Noncompliance : FMVSS 141 establishes performance requirements for pedestrian alert sounds for electric and hybrid vehicles. The standard also prohibits manufacturers from altering or modifying the sound emitting capability of the pedestrian warning system (“PWS”), through which the pedestrian alert sounds emit. On affected vehicles, the Boombox functionality allows a customer to play preset or custom sounds through the PWS external speaker when the vehicle is parked or in motion, including if Summon or Smart Summon is in use. While Boombox and the pedestrian alert sound are mutually exclusive sounds, sounds emitted using Boombox could be construed to obscure or prevent the PWS from complying with FMVSS 141 when the vehicle is in Drive, Neutral or Reverse, including if Summon or Smart Summon is in use. This recall supersedes Recall No. 22V-063.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : While Boombox can enhance the conspicuity of the vehicle to pedestrians, a vehicle that uses Boombox when in Drive, Neutral or Reverse, including if Summon or Smart Summon is in use, may cause the PWS to be noncompliant with FMVSS 141, which could increase the risk of a collision. Tesla is not aware of any crashes, injuries or fatalities related to this condition.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Vehicle Firmware

Component Description : FW Rel. 2020.44.25 and later until 2022.12, exc. certain versions.

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Tesla, Inc.

Address : 1 Tesla Road
Austin Texas 78725

Country : United States

Chronology :

See a separate document submitted for a chronology of noncompliance determination.

Description of Remedy :

Description of Remedy Program : Tesla will deploy an OTA firmware update that will disable the Boombox functionality when the vehicle is in Drive, Neutral or Reverse, including if Summon or Smart Summon is in use.

In Recall No. 22V-063, which is superseded by this recall, Tesla issued an OTA firmware update to disable the use of Boombox when the vehicle is in Drive, Neutral or Reverse. Vehicles that received the OTA firmware update under 22V-063 and are currently configured without Summon or Smart Summon no longer contain the noncompliance condition. However, owners of these vehicles may elect to purchase or subscribe to use Summon or Smart Summon in the future. Therefore, as a precautionary measure, Tesla will also deploy to these vehicles the same firmware update that will disable Boombox functionality while using Summon or Smart Summon if those functionalities are later enabled.

Tesla does not plan to include a statement in the Part 577 owner notification about pre-notice reimbursement because there is no paid repair relating to the underlying condition and owners will receive the remedy free of charge with an OTA firmware update.

How Remedy Component Differs from Recalled Component : Firmware releases that do not include the remedy allow Boombox functionality when the vehicle is in Drive, Neutral or Reverse, including if Summon or Smart Summon is in use. Firmware releases that contain the remedy disable Boombox functionality when the vehicle is in Drive, Neutral or Reverse, including if Summon or Smart Summon is in use.

Identify How/When Recall Condition was Corrected in Production : Firmware releases that disable Boombox when the vehicle is in Drive, Neutral or Reverse, including if Summon or Smart Summon is in use, were introduced in production on March 31, 2022.

Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified about this recall on or shortly after April 13, 2022. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : APR 13, 2022 - APR 13, 2022

Planned Owner Notification Date : JUN 06, 2022 - JUN 06, 2022

* NR - Not Reported