

Part 573 Safety Recall Report

22V-895

Manufacturer Name : Tesla, Inc.

Submission Date : DEC 22, 2022

NHTSA Recall No. : 22V-895

Manufacturer Recall No. : SB-22-31-002



Manufacturer Information :

Manufacturer Name : Tesla, Inc.

Address : 1 Tesla Road

Austin TX 78725

Company phone : 6506815000

Population :

Number of potentially involved : 26

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2023-2023 Tesla Y

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The recall population includes select MY 2022 Model Y vehicles and was determined based upon a review of manufacturing records.

Production Dates : NOV 02, 2022 - NOV 02, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The front suspension lateral link on Model Y vehicles is attached to the sub-frame using two fasteners. During production, the fasteners for the lateral link may not have been torqued to specification. If a fastener is not torqued to specification, the fastener may loosen over time or separate from the sub-frame, which could cause the lateral link to separate from the sub-frame.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If one or both fasteners become loose enough or separate from the sub-frame such that a lateral link separates from the sub-frame, the wheel alignment could shift and cause instability, which may adversely impact vehicle controllability and increase the risk of a collision.

Description of the Cause : The production tool used to secure the left-hand (LH) front suspension lateral link to the subframe experienced a faulty sensor that prevented the procedure from being completed with torque controls. As a result, the procedure to secure the LH lateral link was performed manually by a technician who also validated the torques. On a small number of vehicles, the manual procedure to secure the LH lateral link may not have been performed and validated to specification. In

addition, the technician's manual entry of torque values into the station controller may have inadvertently edited torque values automatically entered by the production tool to secure the right-hand (RH) front suspension lateral link and/or inadvertently bypassed torque non-conformances from being generated for the RH lateral link for secondary checks that certain fasteners were torqued to specification. On a small number of vehicles, the inadvertence may have caused fasteners on the LH or RH front suspension lateral link from being torqued to specification.

Identification of Any Warning that can Occur : If one or both fasteners that secure a lateral link to the sub-fame become loose, abnormal noise may occur and be detectable by the customer from the front suspension.

Involved Components :

Component Name 1 : BOLT,HF,M14-2.0x65,STL[109],ZNFL

Component Description : Front lateral link to subframe bolt

Component Part Number : 1109912-00-A

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

See Chronology Document attached as a PDF.

Description of Remedy :

Description of Remedy Program : At no charge to the affected customers, Tesla Service will inspect affected vehicles to ensure that both fasteners that secure the LH and RH front suspension lateral link to the sub-frame are torqued to specification. If a loose or missing fastener is found during the inspection, Tesla Service will re-torque the fastener to specification. In the unlikely event that vehicle damage from a loose or missing fastener is found during the inspection, Tesla Service will replace the damaged component.

How Remedy Component Differs from Recalled Component : Confirmed torque and angle of each fastener to the correct specifications.

Identify How/When Recall Condition was Corrected in Production :
1. Tesla Manufacturing will revise and formalize the process for a technician to be granted approval to review and close out non-conformances. Additional training and certification requirements will supplement current requirements before a technician is approved to close a non-conformance. Approval will be revoked for a technician who does not complete the revised process.
2. In addition, Tesla has revised the production staff who may enter manual torque entries as needed into the station controller to managers only.

Recall Schedule :

Description of Recall Schedule : All Tesla stores and service centers will be notified on or shortly after December 8, 2022. Owner notification letters will be mailed in accordance with 49 C.F.R. § 577.7.

Planned Dealer Notification Date : DEC 08, 2022 - DEC 08, 2022

Planned Owner Notification Date : FEB 03, 2023 - FEB 03, 2023

* NR - Not Reported