

Part 573 Safety Recall Report

22V-520

Manufacturer Name : Toyota Motor Engineering & Manufacturing

Submission Date : JUL 21, 2022

NHTSA Recall No. : 22V-520

Manufacturer Recall No. : See attached report.



Manufacturer Information :

Population :

Manufacturer Name : Toyota Motor Engineering & Manufacturing

Number of potentially involved : 75,316

Address : 6565 Headquarters Drive

Estimated percentage with defect : 5 %

Plano TX 75024

Company phone : 1-800-331-4331

Vehicle Information :

Vehicle 1 : 2022-2023 Toyota Tacoma

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : (1) Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S. (2) Only vehicles in the above production range may have been equipped with upper child seat anchors that may not have been welded sufficiently due to a specific production issue and are involved in this recall. Toyota estimates that approximately 5% of the involved vehicles contain one or more insufficient spot-welds. Whether the involved vehicles that contain insufficient spot-weld(s) will result in the noncompliance described in Section 5 is dependent on the specific condition of the insufficient welds and the number of them present in each vehicle.

Production Dates : OCT 21, 2021 - MAY 28, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Noncompliance :

Description of the Noncompliance : The second-row seats of the subject vehicles contain upper child seat anchors that are welded to the rear seat back panel assembly and that are used to secure the top tether of a forward-facing child seat. Due to a change in the manufacturing process, there is a possibility that one or more of the individual welds in the upper child seat anchors may not be sufficient and may not allow the anchors to meet minimum strength requirements. Vehicles with child seat anchors that do not meet the minimum strength requirements fail to comply with the requirements of Federal Motor Vehicle Safety Standard Number 225, "Child Restraint Anchorage Systems," paragraph S6.3. An insufficient weld may prevent the child seat from being anchored securely to the rear seat back panel and may allow the child seat to move during a sudden stop or crash, increasing the risk of injury.

FMVSS 1 : 225 - Child restraint anchorage systems

FMVSS 2 : NR

Description of the Safety Risk : An insufficient weld may prevent the child seat from being anchored securely to the rear seat back panel and may allow the child seat to move during a sudden stop or crash, increasing the risk of injury.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : REINFORCEMENT SUB-ASSY, CAB BACK LWR

Component Description : Back cab reinforcement sub-assembly

Component Part Number : 64109-04140

Component Name 2 : PANEL SUB-ASSY, UPR BACK

Component Description : Back panel sub-assembly (Power)

Component Part Number : 64101-04301

Component Name 3 : PANEL SUB-ASSY, UPR BACK

Component Description : Back panel sub-assembly (Manual)

Component Part Number : 64101-04311

Supplier Identification :

Component Manufacturer

Name : Toyota Auto Body Company, California, Inc
Address : 6375 N Paramount Blvd
Long Beach California 90805
Country : United States

Chronology :

In mid May 2022, during an inspection that was performed at a Toyota vehicle production facility, a Toyota team member found that an upper child seat anchor was separated from the rear seat back panel and could be moved by hand. As a result, Toyota inspected additional rear seat back panels on other vehicles at the production facility and found that the upper child seat anchors on some of those vehicles also could be moved by hand. An inspection process was implemented at the production facility to inspect the sufficiency of the spot-welds on the rear seat back panel.

In early June 2022, Toyota further investigated the issue and reviewed quality inspection data from the supplier. It was then discovered that there was a change made on September 30, 2021, to the welding parameters for the spot-welds for the upper child seat anchors to prevent a burr formation. After analyzing the data regarding the weld conditions before and after the change, it was found that the weld size and penetration depth had decreased since the process change.

Toyota hypothesized that the decrease in weld dimensions may have affected the strength of the spot-welds. Mid-June, Toyota decided to perform a pull test comparison for upper child seat anchor parts welded with the aforementioned condition and with parts that met the inspection criteria. This testing indicated that the parts that did not meet the inspection criteria separated at a lower force than parts which passed the inspection check criteria. Based on this information, Toyota evaluated whether the strength of the upper child seat anchor welds that did not pass the inspection criteria could impact their performance under FMVSS 225, paragraph S6.3.1.

On July 15, 2022, Toyota decided that the subject vehicles may not meet the strength requirements for upper anchorages in FMVSS No. 225, paragraph S6.3 and decided to conduct a recall.

Description of Remedy :

Description of Remedy Program : Toyota is currently developing the remedy for this issue. Once the remedy has been finalized, affected owners will be notified by first-class mail to take their vehicles to a Toyota dealer to have the repair performed free of charge. As the owner notification letters will be mailed out well within the active period of the Toyota New Vehicle Limited Warranty ("Warranty"), all involved vehicle owners for this recall would have been provided a repair at no cost under Toyota's Warranty.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Notifications to owners of the affected vehicles will occur by September 15, 2022. A copy of the draft owner notification letter(s) will be submitted as soon as available. Notifications to distributors/dealers will be sent by July 21, 2022. Copies of dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : JUL 21, 2022 - JUL 21, 2022

Planned Owner Notification Date : SEP 02, 2022 - SEP 15, 2022

* NR - Not Reported