Part 573 Safety Recall Report 24V-275

Manufacturer Name : Toyota Motor Engineering & Manufacturing
Submission Date : APR 17, 2024
NHTSA Recall No. : 24V-275
Manufacturer Recall No. : 24LA03

Manufacturer Information :

Manufacturer Name : Toyota Motor Engineering & Manufacturing
Address : 6565 Headquarters Drive
Plano TX 75024
Company phone : 1-800-331-4331

Population :

Number of potentially involved : 509
Estimated percentage with defect : 7 %

Vehicle Information :

Vehicle 1 : 2018-2021 Lexus LS500
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S. This issue only affects the vehicles equipped with a 10-way power front passenger seat with a long slide rail in the above production period that were manufactured at a certain plant. Other Toyota or Lexus vehicles sold in the U.S. are equipped with different front passenger seats and do not have the condition described in this report. Toyota estimates that approximately 7% of the vehicles may have interference of seat components near the OCS sensor. Whether the noncompliance is present on each potentially affected vehicle depends on the position of the passenger seat at the time the OCS was initially calibrated.

Production Dates : AUG 01, 2017 - APR 09, 2021
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 :	2018-2020 Lexus LS500 Hybrid
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S. This issue only affects the vehicles equipped with a 10-way power front passenger seat with a long slide rail in the above production period that were manufactured at a certain plant. Other Toyota or Lexus vehicles sold in the U.S. are equipped with different front passenger seats and do not have the condition described in this report. Toyota estimates that approximately 7% of the vehicles may have interference of seat components near the OCS sensor. Whether the noncompliance is present on each potentially affected vehicle depends on the position of the passenger seat at the time the OCS was initially calibrated.
Production Dates :	FEB 21, 2017 - JUN 01, 2020

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

Description of Noncompliance :

Description of the Noncompliance :	The subject vehicles are equipped with a 10-way power front passenger seat, unique to the "Executive Package", that contains a long seat slide rail to allow for the seat to move forward and create room for rear seat footrest activation. The front passenger seat contains an Occupant Classification System (OCS) that provides input to the Supplemental Restraint System to determine the deployment strategy of the front passenger airbag, depending on the occupant load. There is a possibility that a stopper and the seat frame near the OCS sensor were assembled with variations that created interference between these parts, causing the OCS sensor to incorrectly detect the occupant load. As such, the subject vehicles may not meet the requirements of FMVSS No. 208, paragraphs S5.1.1(b)(2), S5.1.2(b), S16.1(a)(2), S16.1(b), S17, and S20.2. If the OCS does not detect the occupant load correctly, the front passenger airbag may not deploy as designed in the event of a crash, increasing the risk of injury to an occupant in the front passenger seat.
FMVSS 1 :	208 - Occupant crash protection
FMVSS 2 :	NR
Description of the Safety Risk :	There is a possibility that a stopper and the seat frame near the OCS sensor were assembled with variations that created interference between these parts, causing the OCS sensor to incorrectly detect the occupant load. As such, the subject vehicles may not meet the requirements of FMVSS No. 208, paragraphs S5.1.1(b)(2), S5.1.2(b), S16.1(a)(2), S16.1(b), S17, and S20.2. If the OCS does not detect the occupant load correctly, the front passenger airbag may not deploy as designed in the event of a crash, increasing the risk of injury to an occupant in the front passenger seat.

Description of the Cause :	NR
Identification of Any Warning that can Occur :	NR

Involved Components :

Component Name 1 :	Adjuster Assy, Fr Seat, RH
Component Description :	Seat Frame Assembly
Component Part Number :	72010-50320

Component Name 2 :	Adjuster Assy, Fr Seat, RH
Component Description :	Seat Frame Assembly
Component Part Number :	72010-50321

Component Name 3 :	Adjuster Assy, Fr Seat, RH
Component Description :	Seat Frame Assembly
Component Part Number :	72010-50322

Supplier Identification :

Component Manufacturer

Name :	Toyota Boshoku Corporation
Address :	88, Kanayama, Kamekubi-cho, Toyota-city, Aichi-pref. Foreign States 470-0395
Country :	Japan

Chronology :

After conducting a recall (NHTSA Campaign Number 22V-519) concerning the OCS in another model, Toyota continued to investigate other models with a similar stopper and seat frame structure. The investigation involved recovering seat adjuster subassemblies from vehicles in the field to check for potential seat slide adjuster interference. Between June and November of 2023, in-use parts were recovered and sent to the supplier for evaluation. The supplier tested recovered parts in September, October, November of 2023 and

January 2024 to evaluate if any interference found in LS long slide seat adjuster subassemblies could affect an output value of an OCS.

On April 11, 2024, Toyota determined that it is possible for an inaccurate reading from an OCS sensor to cause the front passenger airbag to not deploy as designed in the event of a crash on LS vehicles with the long slide seat adjuster. As such, the involved vehicles may not meet some portions of the requirements of FMVSS No. 208, paragraphs S5.1.1(b)(2), S5.1.2(b), S16.1(a)(2), S16.1(b), S17, and S20.2.

Description of Remedy :

Description of Remedy Program :	All known owners of the subject vehicles will be notified to return their vehicles to a Lexus dealer. The dealers will inspect to determine whether there is interference between the seat frame and stopper. If interference is found, the stopper will be adjusted and the OCS will be re-calibrated. The owner letter will instruct vehicle owners who have paid to have this condition remedied prior to this campaign to seek reimbursement pursuant to Toyota's General Reimbursement Plan.
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 June 16 , 2024. A copy of the draft owner notification will be submitted as soon as it is available. Notifications to distributors/dealers will be sent on April 17, 2024. Copies of dealer communications will be submitted as they are issued.
Planned Dealer Notification Date :	APR 17, 2024 - APR 17, 2024
Planned Owner Notification Date :	JUN 02, 2024 - JUN 16, 2024

* NR - Not Reported