Part 573 Safety Recall Report

Manufacturer Name :Toyota Motor Engineering & ManufacturingSubmission Date :JUL 21, 2022NHTSA Recall No. :22V-519Manufacturer Recall No. :22TA08

Manufacturer Information :

Manufacturer Name :Toyota Motor Engineering &
ManufacturingAddress :6565 Headquarters DrivePlano TX 750241-800-331-4331

Vehicle Information :

Vehicle 1 : Vehicle Type : Body Style : Power Train :	2022-2022 Toyota RAV4	ł Hybrid	
Descriptive Information :	(1) Although the inv not all vehicles in this ra 8-way power front passe range that were manufac Certain vehicles manufac same design; however, r that were inspected at th vehicles in its inventory, vehicles equipped with a function described in Se OCS sensor. Whether th vehicle depends on the a and the position of the p	olved vehicles are within the nge were sold in the U.S. (2) enger seat with a seat lifter fu- ctured at certain plant location ctured at other plants are eq- to interference has been four nose locations. Note: Based of Toyota estimates approxima an 8-way power front passen ction 5, may have interference e noncompliance is present of amount of interference betwo assenger seat at the time the	e above production period range, Only vehicles equipped with an unction in the above production ons are involved in this recall. uipped with seat frames of the nd with current production parts n inspections of a sample of ately 70% of the involved ger seat with a seat lifter ce of seat components near the on each potentially affected een the seat frame and stopper OCS was initially calibrated.
Production Dates :	NOV 30, 2021 - MAR 31,	2022	
VIN Range 1:	Begin: NR	End: NR	□ Not sequential



Number of potentially involved : 3,533

Estimated percentage with defect : 70~%

Population :

22V-519

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Vehicle 2 : Vehicle Type : Body Style : Power Train :	2022-2022 Toyo	ota RAV4 PRIMI	3	
Descriptive Information :	(1) Although not all vehicles in 8-way power fro range that were Certain vehicles same design; how that were inspect vehicles in its inv vehicles equipper function describ OCS sensor. Why vehicle depends and the position	a the involved v in this range we int passenger se manufactured a manufactured a wever, no inter- ted at those loc ventory, Toyota ed with an 8-wa ed in Section 5, ether the nonce on the amount of the passenge	ehicles are within the above prod re sold in the U.S. (2) Only vehicl eat with a seat lifter function in the at certain plant locations are invo at other plants are equipped with ference has been found with curr cations. Note: Based on inspection estimates approximately 70% of the power front passenger seat wite may have interference of seat cor- ompliance is present on each pote of interference between the seat er seat at the time the OCS was in	luction period range, es equipped with an le above production lved in this recall. seat frames of the ent production parts as of a sample of f the involved h a seat lifter mponents near the entially affected frame and stopper itially calibrated.
Production Dates : VIN Range 1 : I	SEP 06, 2021 - M Begin :	AR 29, 2022 NR	End: NR	Not sequential
Vehicle 3 : Vehicle Type : Body Style : Power Train : Descriptive Information :	2022-2022 Toyo NR (1) Although not all vehicles in 8-way power fro range that were Certain vehicles same design; how that were inspect vehicles in its inv vehicles equipper function describ OCS sensor. Who vehicle depends and the position	ta RAV4 the involved v in this range we int passenger so manufactured a manufactured a wever, no inter- ted at those loc ventory, Toyota ed with an 8-wa ed in Section 5, ether the noncc on the amount of the passenge	ehicles are within the above prod re sold in the U.S. (2) Only vehicl eat with a seat lifter function in th at certain plant locations are invo at other plants are equipped with ference has been found with curr rations. Note: Based on inspection estimates approximately 70% of ty power front passenger seat wit may have interference of seat cor- ompliance is present on each pote of interference between the seat er seat at the time the OCS was in	luction period range, es equipped with an ne above production lved in this recall. seat frames of the ent production parts ns of a sample of f the involved h a seat lifter mponents near the entially affected frame and stopper itially calibrated.
Production Dates : VIN Range 1 : I	SEP 02, 2021 - M Begin :	AR 31, 2022 NR	End: NR	Not sequential

Description of Noncompliance :

Description of the Noncompliance :	The subject vehicles are equipped with an 8-way power front passenger seat with a seat lifter function that contains an Occupant Classification System (OCS) which 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: 72010-42450

Supplier Identification :

Component Manufacturer

Name : Toyota Boshoku Corporation

Address: 88 Kanayama

Kamekubi-cho Toyota-city, Aichi Foreign States 470-0395 Country : Japan

Chronology :

In mid-March 2022, during a final inspection process at a vehicle assembly plant in Japan, a Toyota team member found one vehicle with an output value of an OCS that was out of specification. Upon inspecting the seat assembly of this vehicle, it was found that a stopper near the OCS sensor was interfering with the seat frame.

An investigation began which involved inspection of other vehicles at various assembly plants. Interference was found in some vehicles equipped with an 8-way power seat with a seat lifter function. Based on the results of these investigations, Toyota determined that assembly variation created interference of these parts in certain vehicles, causing the OCS sensor to incorrectly detect the occupant load.

Based on this analysis, on July 15, 2022, it was determined that it is possible that an inaccurate reading from an OCS sensor could cause the front passenger airbag to not deploy as designed in the event of a crash. 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 by first class mail to return their vehicles to a Toyota 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 occupant classification system will be re-calibrated. As the owner notification letters will be mailed out well within the active period of the Toyota New Vehicle Limited 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 begin by September 19, 2022. A copy of the draft owner notification letter(s) will be
	submitted as soon as available. Notifications to distributors/dealers will

	be sent on 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 19, 2022

* NR - Not Reported