

October 6, 2022

## AMENDMENT TO DEFECT INFORMATION REPORT (22V-444)

This amends Toyota's Part 573 Report of June 23, 2022 concerning the hub bolt issue on certain Toyota and Subaru vehicles.

The sections listed below either contain information that was unavailable at the time of Toyota's initial Part 573 Report or has been amended and should be replaced with the information listed below.

In Section 1, the following information should be added:

1. Vehicle Manufacturer Name:

Manufacturer of Hub bolt:

MEIDOH CO., Ltd.  
4-5 Sengen-cho Toyota-shi Aichi 471-0037  
Phone: +81-565-31-0330  
Country of Origin: Japan

Manufacturers of Wheels:

Zhejiang Wanfeng Auto Wheel Co., Ltd.  
Xinchang, Industrial Zone, Xinchang County, Zhejiang  
Phone: +86-575-86298392  
Country of Origin: China

CITIC Dicastal Co., Ltd.  
No 185, Long Hai Road, Economic and technological development zone,  
Qin Huangdao City, He Bei Province  
Phone: +86-033-55358888  
Country of Origin: China

In Section 2, the following information should be added:

2. Identification of Involved Vehicles and Affected Components:

Applicability	Part Number	Part Name	Component Description
MY 2023 Toyota bZ4X	90942-02090	BOLT, HUB	Hub bolt
	42611-0R510	WHEEL, DISC	Wheel (18 inch)
	42611-0R630	WHEEL, DISC	Wheel (18 inch)
	42611-0R530	WHEEL, DISC	Wheel (20 inch)
MY 2023 Subaru SOLTERRA	90942-02090	BOLT, HUB	Hub bolt
	42611-0R510	WHEEL, DISC	Wheel (18 inch)
	42611-0R630	WHEEL, DISC	Wheel (18 inch)
	42611-0R540	WHEEL, DISC	Wheel (20 inch)

In Section 4, the following should replace the information provided in the June 23, 2022 Part 573 Report:

4. Percentage of Vehicles Estimated to Actually Contain the Defect:

100%. However, whether the issue in each case will lead to the wheel detachment depends on many variables described in Section 5 below.

In Section 5, the following should replace the information provided in the June 23, 2022 Part 573 Report:

5. Description of Problem:

The subject vehicles are equipped with wheels attached to the vehicle with certain hub bolts. A higher-than-expected coefficient of friction of the bolt surface may result in lower-than-expected clamping force from the fastening of these bolts during assembly. Under certain driving conditions that can expose the bolts to higher operating temperatures, the coefficient of friction of the bolt can change, causing additional torque relaxation. If these conditions occur, the overall wheel slip resistance torque can become lower than the torque that can be produced under certain driving and braking conditions in the subject vehicles. This can result in all of the hub bolts on a wheel to loosen to the point where they can detach. In addition, the subject vehicles were equipped with wheels that contained excessive roughness on a contact surface and bolt holes that were misaligned. These conditions can lead to further reduction of the overall wheel slip resistance torque. If a wheel detaches from the vehicle while driving, it could result in a loss of vehicle control, increasing the risk of a crash.

In Section 7, the following should replace information provided in the June 23, 2022 Part 573 Report:

7. Description of Corrective Repair Action:

All known owners of the subject Toyota bZ4X vehicles will be notified. The dealer will replace the hub bolts with newly designed hub bolts with a washer. In addition, the dealer will replace the wheels with improved ones. The remedy will be provided at no cost to the customer.

Subaru has informed Toyota that no Solterra vehicles have been sold to dealers or retail purchasers.

Reimbursement Plan for pre-notification remedies for Toyota bZ4X vehicles

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.