



Toyota Motor North America, Inc.

Vehicle Safety & Compliance
Liaison Office
Mail Stop: W4-2D
6565 Headquarters Drive
Plano, TX 75024

July 24, 2019

NONCOMPLIANCE INFORMATION REPORT

1. Vehicle Manufacturer Name:

Toyota Motor Corporation, [“TMC”]
1, Toyota-cho, Toyota-city,
Aichi, 471-8571, Japan

Toyota Motor Manufacturing Canada Inc. [“TMMC”]
1717 Dundas Street, Woodstock, Ontario, Canada N4S 0A4

Affiliated U.S. Sales Company

Toyota Motor North America, Inc. [“TMNA”]
6565 Headquarters Drive, Plano, TX 75024

Manufacturer of the Brake Booster Pump

ADVICS CO., LTD.
4-29, Nitto-cho, Handa-city
Aichi, 475-0033, Japan
+81-569-77-7000

2. Identification of Involved Vehicles:

Based on production records, we have determined the involved vehicle population to be the vehicles listed in the table below.

Make/Car Line	Model Year	Manufacturer	Production Period
Toyota / Corolla HV	2020	TMC	April 25, 2019 through May 31, 2019

Toyota / Prius	2019	TMC	April 26, 2019 through May 31, 2019
Toyota / Prius Prime	2019 - 2020	TMC	April 26, 2019 through May 31, 2019
RAV4 HV	2019	TMC & TMMC	April 26, 2019 through June 3, 2019
Lexus / ES300h	2019	TMC	May 21, 2019
Lexus / LS500	2019	TMC	May 15, 2019 through May 31, 2019
Lexus / LS500h	2019	TMC	May 17, 2019 through May 27, 2019
Lexus / LC500	2019	TMC	May 15, 2019 through June 3, 2019
Lexus / UX250h	2019	TMC	May 6, 2019 through May 31, 2019

Applicability	Part Number	Part Name	Component Description
Toyota / Corolla HV	47070-47070	Pump Assy, Brake Booster w/ Accumu lator	Brake Booster Pump
Toyota / Prius			
Toyota / Prius Prime			
RAV4 HV	47070-42030		
Lexus / ES300h	47070-33050		
Lexus / LS500	47070-50050		
Lexus / LS500h			
Lexus / LC500	47070-11010		
Lexus / UX250h	47070-12030		

- Note: (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 which had a brake booster pump containing a plastic brush holder produced with an improper shape discussed below could be affected.

3. Total Number of Vehicles Involved:

Total : 6,925

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

Based on production records during the specific manufacturing process discussed below, Toyota estimates approximately 25% of the vehicle population may contain a brake booster pump which was manufactured with inappropriate parts. However, whether the noncompliance is present on each potentially affected vehicle depends on the variation of each individual part.

5. Description of Noncompliance:

The subject vehicles are equipped with a brake booster pump consisting of an accumulator and a pump motor which contains a plastic brush holder to hold the motor brushes. There is a possibility that the plastic brush holder may have been produced with an improper shape, causing one of the brushes to become stuck in the brush holder. If this were to occur, the brush would be unable to maintain an electrical connection within the motor and may cause the pump motor to stop operating. If the pump motor stops operating, multiple warning lights and messages will illuminate, and/or audible chimes will sound. In this condition, depending on brake fluid pressure in the accumulator and brake pedal stroke amount, braking assist could be lost completely after several attempts to apply the brake pedal. In addition, the Vehicle Stability Control system will become deactivated, and other vehicle features could be affected. A sudden and complete loss of braking assist while driving could increase the vehicle stopping distance and may increase the risk of a crash. Further, deactivating the Vehicle Stability Control system may cause the subject vehicles to not meet the requirements of FMVSS No. 126, paragraph S5.1.2, which could increase the risk of a crash.

6. Test Results and Other Information:

In late May 2019, warning lights were found illuminated on certain vehicles during a final inspection process for braking and/or while driving from the final inspection line to the vehicle yard at certain Toyota manufacturing plants. Toyota inspected these vehicles and found Diagnostic Trouble Codes related to the brake booster pump. Toyota and the supplier investigated the recovered brake booster pumps. The brush holder within the pump motor was found to be out-of-specification. The supplier found that a component of the upper mold of the die at one of two molding facilities used to produce brush holders was replaced on April 11,

2019, creating this condition. If the brush holder is out-of-specification, the Vehicle Stability Control system may become deactivated. (In addition, the Regenerative Brake, Antilock Brake, Electronic Brake force Distribution, Traction Control, Brake Assist, Brake Hold, Pre-Crash Brake, Adaptive Cruise Control, Intuitive Parking Assist, Intelligent Clearance Sonar, Emergency Stop Signal and Active Cornering Assist system will also become deactivated for certain vehicles, and for some vehicle models, the Electrical Parking Brake system function will also be limited.) As a result, it was determined on July 18, 2019, that some vehicles may not meet the requirement of S5.1.2 of FMVSS 126.

7. Description of Corrective Repair Action:

All known owners of the subject vehicles will be notified by first class mail to return their vehicles to a Toyota or a Lexus dealer. For all involved vehicles, based on the vehicle identification number or an inspection, the dealer will replace the brake booster pump, if necessary, with a new one at no cost.

Reimbursement Plan for pre-notification remedies

As the owner notification letters will be mailed out well within the active period of the Toyota/Lexus New Vehicle Limited Warranty, all involved vehicle owners for this recall would have been provided a repair at no cost under Toyota's or Lexus's Warranty.

8. Recall Schedule:

Notifications to owners of the affected vehicles will occur by September 22, 2019. A copy of the draft owner notification letter(s) will be submitted as soon as available.

9. Distributor/Dealer Notification Schedule:

Notifications to distributors/dealers will be sent on July 24, 2019. Copies of dealer communications will be submitted as they are issued.

10. Manufacturer's Campaign Number:

Toyota's Campaign Number: [Interim / Remedy] K1L / K0L
Lexus' Campaign Number: [Interim / Remedy] K2F / KLF