Toyota Motor Engineering & Manufacturing North America, Inc.

Vehicle Safety & Compliance Liaison Office 19001 South Western Avenue Torrance, CA 90501

November 15, 2017

NONCOMPLIANCE INFORMATION REPORT

1. <u>Vehicle Manufacturer Name</u>:

Toyota Motor Manufacturing Turkey ["TMMT"] Toyota Caddesi No:2 54580 Arifiye, Sakarya, Turkey

Affiliated U.S. Sales Company

Toyota Motor Sales, USA, Inc. ["TMS"] 19001 South Western Avenue, Torrance, CA 90501

Manufacturer of Skid Control Computer

Robert Bosch GmbH (Blaichach Plant) Robert-Bosch-Strasse 1, 87509 Immenstadt Bayern Point of Contact: +49(7062)911-2277

Country of Origin: Germany

2. Identification of Involved Vehicles and Affected Components:

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 C-HR	2018	TMMT	February 2, 2017 through October 17, 2017

Applicability	Part Number	Part Name	Component Description
MY2018	89541 – F4030	Computer, Skid	Computer which controls
Toyota C-HR		Control	electric parking brake

- 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) Other Toyota and Lexus vehicles equipped with electric parking brake utilize a skid control computer with different program software and/or EPB components of a different design.
- 3. <u>Total Number of Vehicles Involved:</u>

Total : 28,584

4. <u>Percentage of Vehicles Estimated to Actually Experience Noncompliance:</u>

Unknown. Toyota is unable to provide an estimate of the percentage of the vehicles to actually contain the noncompliance. Whether the condition will occur prior to first sale and constitute a noncompliance will differ depending on the environment and conditions that the vehicle is exposed to.

5. <u>Description of Noncompliance</u>:

In the subject vehicles, there is a possibility that the skid control ECU may incorrectly identify a small increase in circuit resistance, caused by an expected oxide film on the electric parking brake (EPB) motor, as an open circuit. This can typically occur when the EPB has not been operated for a period of time. ECU identification of the open circuit would result in illumination of warning lights and a message displayed which states: "EPB Malfunction. Visit Your Dealer." This can result in an inability to release the parking brake. In some cases, it can prevent the parking brake from being applied. If the latter occurs prior to first sale, the vehicle would not meet the requirements of FMVSS No. 135 paragraph S7.12.3. There is a possible risk of a rollaway if the EPB cannot be applied, the EPB warnings are ignored, and the vehicle is parked on a grade without being placed into "Park."

6. <u>Test Results and Other Information</u>:

Based on reports of vehicles in Japan in which the electric parking brake could not be disengaged after it was applied, Toyota conducted investigations to determine the cause and scope of the reported concern. Through the investigation, Toyota determined that the skid control ECU may incorrectly identify a small increase in circuit resistance, caused by an expected oxide film on the electrical parking brake (EPB) motor, as an open circuit. This can result in an inability to release the parking brake. In some cases, it can prevent the parking brake from being applied. The investigation was completed on October 30, 2017. Based on the results of the investigation and field information from the U.S. market indicating that this phenomenon could occur prior to first sale, on November 9, 2017, Toyota decided that the subject vehicles may not meet the requirement of FMVSS No. 135 paragraph S7.12.3.

7. <u>Description of Corrective Repair Action:</u>

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 update the programming of the skid control ECU at no cost to owners.

Reimbursement Plan for pre-notification remedies

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.

8. <u>Recall Schedule</u>:

Notifications to owners of the affected vehicles will occur by late November, 2017. A copy of the draft owner notification letter(s) will be submitted as soon as available.

9. <u>Distributor/Dealer Notification Schedule</u>:

Notifications to distributors/dealers were sent on November 14, 2017. Copies of dealer communications will be submitted as they are issued.

10. <u>Manufacturer's Campaign Number:</u>

H0W