

**Part 573 Safety Recall Report****19V-491****Manufacturer Name :** Toyota Motor Engineering & Manufacturing**Submission Date :** JUN 26, 2019**NHTSA Recall No. :** 19V-491**Manufacturer Recall No. :** KOK**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 :** 464**Estimated percentage with defect :** 10 %**Vehicle Information :****Vehicle 1 :** 2018-2019 Toyota Prius C**Vehicle Type :****Body Style :****Power Train :** NR**Descriptive Information :** (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) This issue only affects the vehicles equipped with a DC-DC converter that uses a circuit board which may have been manufactured under the specific conditions described in this report. Other Toyota or Lexus vehicles sold in the U.S. are not equipped with those DC-DC converters.

Toyota estimates that approximately 10% of the vehicles have the potential to develop the solder separation condition over the lifetime of the vehicle, which could lead to the unreasonable risk to safety described below.

**Production Dates :** FEB 06, 2018 - OCT 04, 2018**VIN Range 1 : Begin :**

NR

**End :** NR **Not sequential**

## Description of Defect :

Description of the Defect : The hybrid system of the subject vehicles includes a DC-DC converter that reduces the voltage of the electricity from the HV battery in order to charge the auxiliary battery. Due to improper maintenance of specific pallets and pins used for the circuit board soldering process at a supplier, there is a possibility that, when combined with a certain production variation, the soldering of a specific transistor to the circuit board in the DC-DC converter could be inadequate and separate after temperature cycling of solder under normal vehicle operation. As a result, the auxiliary battery may no longer receive power from the DC-DC converter, causing warning lights to illuminate, audible chimes to sound, and messages to display on the instrument panel. If the vehicle is continuously operated in this condition and the auxiliary battery is discharged to a certain level, the hybrid system could shut down, resulting in loss of motive power. Loss of motive power while driving at higher speeds could increase the risk of a crash.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the vehicle is continuously operated in this condition and the auxiliary battery is discharged to a certain level, the hybrid system could shut down, resulting in loss of motive power. Loss of motive power while driving at higher speeds could increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

## Supplier Identification :

### Component Manufacturer

Name : Toyota Industries Corporation

Address : 2-1, Toyoda-cho  
Kariya-city FOREIGN STATES 448-8671

Country : Japan

## Chronology :

Please see the attached Part 573 Defect Information Report for the full chronology.

**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. For all involved vehicles, based on the vehicle identification number or an inspection, the dealer will replace the affected DC-DC converter with a new one, if necessary, at no cost. 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.

How Remedy Component Differs from Recalled Component : Recalled component name: Case Sub-Assy, with Converter; Recalled component description: DC-DC Converter; Recalled component part number: G9201-52013

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 Mid-August, 2019. A copy of the draft owner notification will be submitted as soon as it is available. Notifications to distributors/dealers will be sent on June 26, 2019. Copies of dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : JUN 26, 2019 - JUN 26, 2019

Planned Owner Notification Date : AUG 12, 2019 - AUG 25, 2019

\* NR - Not Reported