

# Part 573 Safety Recall Report

## 21V-890

**Manufacturer Name :** Toyota Motor Engineering & Manufacturing

**Submission Date :** NOV 17, 2021

**NHTSA Recall No. :** 21V-890

**Manufacturer Recall No. :** See attached report



### 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 :** 227,490

**Estimated percentage with defect :** 100 %

### Vehicle Information :

**Vehicle 1 :** 2018-2019 Toyota Camry

**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) Other Toyota or Lexus vehicles sold in the U.S. use a different vacuum pump design, or the same vacuum pump containing a different vane cap material. Toyota or Lexus hybrid vehicles sold in the U.S. are not equipped with a vacuum pump. Note: 100% of the involved vehicles contain a vacuum pump with a vane cap of inappropriate material described in this report. Whether the issue, in each case, will actually lead to a sudden loss of brake assist while driving depends on the driving conditions such as frequent braking and/or long periods of idling.

**Production Dates :** JAN 16, 2017 - SEP 13, 2018

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Defect :

Description of the Defect : The subject vehicles use a specific mechanical vacuum pump and a brake booster to provide power brake assist to the driver. This vacuum pump contains a vane that rotates inside the pump body to supply vacuum to the brake booster. A cap on each end of the vane helps the vane maintain contact with the pump body as it rotates. Due to the material of these caps, the caps may prematurely wear when the vehicle is operated under certain driving conditions such as frequent braking and/or long periods of idling. After sufficient wear, a cap can become stuck between the vane and the pump housing, breaking it, and potentially breaking other components inside and/or connected to the pump. If this occurs, the vacuum pump would no longer supply vacuum to the brake booster. Continued application of the service brakes thereafter can deplete the amount of brake assist remaining in the brake booster. The driver may observe increased braking effort and an audible and visual warning. While the service brakes remain operational with a broken vane cap, depending on the brake application by the driver, brake performance could be suddenly reduced prior to any warnings. A sudden loss of braking assist while driving could increase the risk of a crash.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If this occurs, the vacuum pump would no longer supply vacuum to the brake booster. Continued application of the service brakes thereafter can deplete the amount of brake assist remaining in the brake booster. The driver may observe increased braking effort and an audible and visual warning. While the service brakes remain operational with a broken vane cap, depending on the brake application by the driver, brake performance could be suddenly reduced prior to any warnings. A sudden loss of braking assist while driving could increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

## Involved Components :

Component Name 1 : Pump Assy, Vacuum

Component Description : Vacuum Pump

Component Part Number : 29300-25010

Component Name 2 : Pump Assy, Vacuum

Component Description : Vacuum Pump

Component Part Number : 29300-F0010

## Supplier Identification :

### Component Manufacturer

Name : TAIHO KOGYO CO., LTD

Address : 3-65, Midorigaoka,  
Toyota-city, Aichi-pref Foreign States 471-0838

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, Toyota dealers will inspect the vacuum pump and repair or replace it, free of charge to customers. The owner letter will instruct vehicle owners who have paid to have this condition remedied prior to this campaign to seek reimbursement pursuant to Toyota's General Reimbursement Plan.

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 occur by January 16, 2022. A copy of the draft owner notification will be submitted as soon as it is available. Notifications to distributors/dealers will be sent on November 17, 2021. Copies of dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : NOV 17, 2021 - NOV 17, 2021

Planned Owner Notification Date : DEC 16, 2021 - JAN 16, 2022

\* NR - Not Reported