Part 573 Safety Recall Report 21V-617

Manufacturer Name : Toyota Motor Engineering & Manufacturing
Submission Date : AUG 06, 2021
NHTSA Recall No. : 21V-617
Manufacturer Recall No. : 21TB05 / 21TA05

NHTSA
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION

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 : 31,307
Estimated percentage with defect : NR

Vehicle Information :

Vehicle 1 : 2019-2020 Toyota Yaris Hatchback, Yaris Sedan, Yaris R
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : Although the involved vehicles are within the above production period range, not all vehicles in this range were sold in the U.S.

Based on Toyota's current understanding of the condition from Mazda, this recall applies to certain vehicles with specific low-pressure fuel pumps supplied by Denso, containing impellers produced during specific periods under specific circumstances. These vehicles contain fuel pumps that were produced with impellers of lower density and contain a pump impeller that was exposed to production solvent drying for longer periods of time, which may deform when exposed to higher levels of ambient environmental temperatures. Vehicles with fuel pumps that were not produced under the aforementioned conditions are not included at this time.

Note: Toyota is unable to provide an estimate of the percentage of vehicles to actually contain the defect. Whether the issue in each case will lead to a vehicle stall while driving at higher speeds depends on many variables, such as the specific production condition of fuel pump impeller and vehicle operating conditions such as the level of ambient environmental temperatures.

Production Dates : OCT 04, 2018 - FEB 06, 2020
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect :	The subject vehicles are equipped with a low-pressure fuel pump, located in the fuel tank, that supplies fuel pressure to the fuel injection system. These fuel pumps may include impellers which have been manufactured with lower density. If these impellers were exposed to production solvent drying for longer periods of time and higher levels of ambient environmental temperatures, higher levels of surface cracking may occur. In this condition, excessive fuel absorption may occur, resulting in increased impeller deformation. In some cases, the impeller may deform to a point that creates sufficient interference with the fuel pump body to cause the fuel pump to become inoperative. An inoperative fuel pump due to these conditions could result in illumination of check engine and master warning indicators, rough engine running, engine no start and/or vehicle stall while driving at low speed. However, in rare instances, vehicle stall could occur while driving at higher speeds, increasing the risk of a crash.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	An inoperative fuel pump due to these conditions could result in illumination of check engine and master warning indicators, rough engine running, engine no start and/or vehicle stall while driving at low speed. However, in rare instances, vehicle stall could occur while driving at higher speeds, increasing the risk of a crash.
Description of the Cause :	NR
Identification of Any Warning that can Occur :	NR

Involved Components :

Component Name 1 :	Low Pressure Fuel Pump
Component Description :	Fuel Pump
Component Part Number :	23221-WB002

Component Name 2 :	Fuel Suction w/Pump & Gage Tube Assy
Component Description :	Fuel Pump Assembly
Component Part Number :	77020-WB001

Supplier Identification :

Component Manufacturer

Name :	Denso Corporation
Address :	1-1, Showa-cho Kariya-city, Aichi-pref. Foreign States 448-8661
Country :	Japan

Chronology :

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

Description of Remedy :

Description of Remedy Program :	For all involved vehicles, Toyota dealers will replace the low-pressure fuel pump assembly with an improved one. Reimbursement Plan for pre-notification remedies: 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 October 5, 2021. A copy of the draft owner notification will be submitted as soon as it is available. Notifications to distributors/dealers will be sent on August 6, 2021. Copies of dealer communications will be submitted as they are issued.
Planned Dealer Notification Date :	AUG 06, 2021 - AUG 06, 2021
Planned Owner Notification Date :	SEP 30, 2021 - OCT 05, 2021

* NR - Not Reported