OMB Control No.: 2127-0004

Part 573 Safety Recall Report

20V-012

Manufacturer Name: Toyota Motor Engineering & Manufacturing

Submission Date: JAN 13, 2020 NHTSA Recall No.: 20V-012

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: 695,541 Estimated percentage with defect:

Vehicle Information:

Vehicle 1: 2018-2019 Toyota 4Runner

Vehicle Type: **Body Style:** Power Train: NR

Descriptive Information: (1)

Although the involved vehicles are within the above production period, not all

vehicles in this range were sold in the U.S.

This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

Production Dates: AUG 01, 2018 - JAN 31, 2019

End: NR Not sequential VIN Range 1 : Begin : NR

Vehicle 2: 2018-2019 Toyota Highlander

Vehicle Type: **Body Style:** Power Train: NR

Descriptive Information: (1) Although the involved vehicles are within the above production period, not all

vehicles in this range were sold in the U.S.

	(2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps. 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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.				
Production Dates :	AUG 01,	2018 - JAN 31, 2019)		
VIN Range 1:	Begin:	NR	End: NR	☐ Not sequential	
Vehicle 3: Vehicle Type: Body Style: Power Train: Descriptive Information:	NR (1) A vehicles (2) T which ar equippe however resulting vehicle of unreaso campaig equippe equippe Note: To contain	in this range were so this recall applies to a increased rate of find with the same fueler, if fuel pump failurg in illumination of very still be driven for able risk to safety. In for these vehicles d with same fuel purely with different pumps of the defect. Whether	sold in the U.S. o vehicles with specific for the pump failure is obset I pump produced by Dele occurs, these vehicles warning lights and redur certain distances. This Toyota intends to conditing the future. Other Toyons produced in the samps. Toyota intends to conditing the future of the samps.	ne above production period, not all fuel pumps produced by Denso in erved. Some hybrid models are nso during this production period; will enter a fail-safe mode, ced motive power in which the s condition does not present an luct a customer satisfaction yota and Lexus vehicles are not me production period or are e percentage of vehicles to actually will lead to fuel pump failure can ion and geographic location.	
Production Dates : VIN Range 1 :		2018 - JAN 31, 2019 NR	End: NR	☐ Not sequential	
	2018-20 NR	119 Lexus RC		ne above production period, not all	

Descriptive Information:

vehicles in this range were sold in the U.S.

(2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

Production Dates: AUG 01, 2018 - JAN 31, 2019

Vehicle 5: 2019-2019 Toyota Avalon

Vehicle Type :
Body Style :
Power Train : NR

Descriptive Information: (1)

- (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
- (2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

Production Dates: AUG 01, 2018 - JAN 31, 2019

VIN Range 1 : Begin : NR End : NR Not sequential

Vehicle 6: 2018-2019 Toyota Camry

Vehicle Type :
Body Style :
Power Train : NR

Not sequential

- (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
- (2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

End: NR

Production Dates: AUG 01, 2018 - JAN 31, 2019

Vehicle 7: 2019-2019 Toyota Corolla

NR

Vehicle Type :
Body Style :
Power Train : NR

VIN Range 1: Begin:

Descriptive Information: (1)

- (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
- (2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

Production Dates: AUG 01, 2018 - JAN 31, 2019

Vehicle 8: 2018-2019 Toyota Land Cruiser

Vehicle Type : Body Style :

Power	Train	NR

Descriptive Information: (1)

- Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
- This recall applies to vehicles with specific fuel pumps produced by Denso in (2)which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

Production Dates: AUG 01, 2018 - JAN 31, 2019

VIN Range 1 : Begin :

NR

End: NR

Not sequential

Vehicle 9: 2018-2019 Toyota Sequoia

Vehicle Type: **Body Style:** Power Train: NR

Descriptive Information: (1)

- Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
- This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

Production Dates: AUG 01, 2018 - JAN 31, 2019

VIN Range 1 : Begin : NR End: NR Not sequential

Vehicle 10: 2018-2019 Toyota Sienna

Vehicle Type:

Body Style :						
Power Train:	NR					
Descriptive Information :	vehicles in this range were sold in the U.S. (2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.					
	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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.					
Production Dates :	AUG 01, 2018 - J	AN 31, 2019				
VIN Range 1:	Begin:	NR	End: NR	■ Not sequential		
Vehicle Type : Body Style : Power Train : Descriptive Information :	(1) Although vehicles in this in (2) This recombined with an increase equipped with thowever, if fuel resulting in illur vehicle can still unreasonable ricampaign for the equipped with sequipped with sequipped with a contain the defeddepend on many	th the involved vange were sold all applies to vesed rate of fuel he same fuel pupped and to safety. To ese vehicles in tame fuel pump lifferent pumps unable to proving variables, such to safety.	chicles with specific fuel pumps pump failure is observed. Some amp produced by Denso during a ccurs, these vehicles will enter a ming lights and reduced motive ertain distances. This condition by the future. Other Toyota and Less produced in the same product	produced by Denso in hybrid models are this production period; fail-safe mode, power in which the does not present an mer satisfaction xus vehicles are not ion period or are		
Production Dates:						
VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential		
Vehicle 12:	2018-2019 Toyo	ota Tundra				

Vehicle Type : Body Style : Power Train : Descriptive Information :	NR (1) Although vehicles in this reconstruction which an increase equipped with the thouse of the th	range were sold all applies to versed rate of fuel the same fuel purpose pump failure of mination of ware be driven for constant to safety. To same fuel pump different pumps	in the U.S. hicles with specific fuel pump failure is observed mp produced by Denso ecurs, these vehicles will ning lights and reduced ertain distances. This conjuct intends to conduct the future. Other Toyota is produced in the same produced in the same produced.	motive power in which the ondition does not present an a customer satisfaction a and Lexus vehicles are not production period or are		
	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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.					
Production Dates : VIN Range 1 :		JAN 31, 2019 NR	End: NR	☐ Not sequential		
Vehicle 13 : Vehicle Type : Body Style : Power Train :	2019-2019 Lext	us ES				
Descriptive Information :	 (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S. (2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps. 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 fuel pump failure can 					
depend on many variables, such as vehicle application and geographic location. Production Dates: AUG 01, 2018 - JAN 31, 2019 VIN Range 1: Begin: NR End: NR Not sequential						

Vehicle 14: Vehicle Type: Body Style: Power Train: Descriptive Information:	(1) Althought vehicles in this recomplished with sequipped with the thousand of the thousand o	n the involved vange were sold all applies to vesed rate of fuel he same fuel pupump failure on ination of war be driven for cesk to safety. To ese vehicles in tame fuel pumps ifferent pumps	in the U.S. hicles with specific for pump failure is observed by Deccurs, these vehicles ning lights and reductain distances. This yota intends to conclude future. Other Tops produced in the same	he above production period, not a fuel pumps produced by Denso in erved. Some hybrid models are enso during this production period will enter a fail-safe mode, aced motive power in which the is condition does not present an duct a customer satisfaction byota and Lexus vehicles are not me production period or are	n d;
	contain the defe	ct. Whether the	e issue in each case v	e percentage of vehicles to actuall will lead to fuel pump failure can ion and geographic location.	ıy
Production Dates : VIN Range 1 :		AN 31, 2019 NR	End: NR	☐ Not sequential	l
Vehicle 15 : Vehicle Type : Body Style : Power Train : Descriptive Information :	(1) Although	n the involved v		he above production period, not a	all
	vehicles in this range were sold in the U.S. (2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.				
	contain the defe	ct. Whether the	e issue in each case v	e percentage of vehicles to actuall will lead to fuel pump failure can ion and geographic location.	•
Production Dates : VIN Range 1 :		AN 31, 2019 NR	End: NR	☐ Not sequential	l

Not sequential

Vehicle 16: 2018-2019 Lexus IS

Vehicle Type : Body Style : Power Train : NR

Descriptive Information: (1)

- (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
- (2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

End: NR

Production Dates: AUG 01, 2018 - JAN 31, 2019

e e

Vehicle 17: 2018-2019 Lexus LC

Vehicle Type :
Body Style :
Power Train : NR

VIN Range 1 : Begin :

Descriptive Information: (1)

- (1) Although the involved vehicles are within the above production period, not all vehicles in this range were sold in the U.S.
- (2) This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

Production Dates: AUG 01, 2018 - JAN 31, 2019

VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential
Vehicle Type : Body Style :	2018-2019 Lexu	ıs LS		
Power Train : Descriptive Information :	(1) Although vehicles in this in (2) This recombined with an increase equipped with thowever, if fuel resulting in illumine vehicle can still unreasonable ricampaign for the equipped with sequipped with sequipped with decontain the defe	range were solall applies to versed rate of fue he same fuel pump failure on the failure of the	d in the U.S. ehicles with specifical pump failure is obsump produced by I occurs, these vehicles raing lights and recentain distances. Toyota intends to cout the future. Other I ps produced in the second in the	the above production period, not all c fuel pumps produced by Denso in served. Some hybrid models are Denso during this production period; es will enter a fail-safe mode, duced motive power in which the his condition does not present an induct a customer satisfaction Toyota and Lexus vehicles are not same production period or are the percentage of vehicles to actually e will lead to fuel pump failure can action and geographic location.
Production Dates : VIN Range 1 :	AUG 01, 2018 - J		End: NR	☐ Not sequential
Vehicle 19: Vehicle Type: Body Style: Power Train: Descriptive Information:	(1) Although vehicles in this in (2) This recombined with an increase equipped with thowever, if fuel resulting in illuming vehicle can still unreasonable ricampaign for the equipped with sequipped with sequipped with defended with the contain the the cont	th the involved range were solall applies to velocity sed rate of fue he same fuel pump failure on the driven for one of the sk to safety. These vehicles in the ame fuel pumplifferent pumpunable to provest. Whether the	d in the U.S. ehicles with specifical pump failure is obsump produced by I occurs, these vehicle rning lights and recentain distances. Toyota intends to cout the future. Other I ps produced in the second in the s	the above production period, not all c fuel pumps produced by Denso in served. Some hybrid models are Denso during this production period; es will enter a fail-safe mode, duced motive power in which the his condition does not present an induct a customer satisfaction Toyota and Lexus vehicles are not same production period or are the percentage of vehicles to actually e will lead to fuel pump failure can action and geographic location.

Not sequential

Vehicle 20: 2018-2019 Lexus RX

Vehicle Type : Body Style : Power Train : NR

Descriptive Information: (1)

(1) Although the involved vehicles are within the above production period, not all

vehicles in this range were sold in the U.S.

This recall applies to vehicles with specific fuel pumps produced by Denso in which an increased rate of fuel pump failure is observed. Some hybrid models are equipped with the same fuel pump produced by Denso during this production period; however, if fuel pump failure occurs, these vehicles will enter a fail-safe mode, resulting in illumination of warning lights and reduced motive power in which the vehicle can still be driven for certain distances. This condition does not present an unreasonable risk to safety. Toyota intends to conduct a customer satisfaction campaign for these vehicles in the future. Other Toyota and Lexus vehicles are not equipped with same fuel pumps produced in the same production period or are equipped with different pumps.

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 fuel pump failure can depend on many variables, such as vehicle application and geographic location.

Production Dates: AUG 01, 2018 - JAN 31, 2019

VIN Range 1 : Begin : NR End : NR

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 contain an impeller that could deform due to excessive fuel absorption. Although the cause is unknown, if impeller deformation occurs, the impeller may interfere with the fuel pump body, and this 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 : Although the cause is unknown, if impeller deformation occurs, the impeller

may interfere with the fuel pump body, and this 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 NR

that can Occur:

Supplier Identification:

Component Manufacturer

Name: Denso Corporation Address: 1-1, Showa-cho

Kariya-city, Aichi 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: The final corrective repair action is still under study. When the remedy is

available, it will be made at no charge to the owners.

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 See attached Part 573 Defect Information Report

from Recalled Component :

Identify How/When Recall Condition NR

was Corrected in Production:

Recall Schedule:

 $Description \ of \ Recall \ Schedule: \ \ Notifications \ to \ owners \ of \ the \ affected \ vehicles \ will \ occur \ by \ March \ 13,$

2020. A copy of the draft owner notification letter will be submitted as

soon as available.

Notifications to distributors/dealers will be sent on January 13, 2020.

Copies of dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : JAN 13, 2020 - JAN 13, 2020 Planned Owner Notification Date : MAR 13, 2020 - MAR 13, 2020

* NR - Not Reported