

Part 573 Safety Recall Report

18V-122

Manufacturer Name : Toyota Motor Engineering & Manufacturing

Submission Date : JAN 14, 2019

NHTSA Recall No. : 18V-122

Manufacturer Recall No. : J0H



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 : 64,901

Estimated percentage with defect : NR

Vehicle Information :

Vehicle 1 : 2018-2018 Toyota Tundra

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 and Lexus vehicles utilize an ECU with different software and/or components of a different design. Note: 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 part variation and whether the electrical noise in the system causes the diagnostic function to set a specific trouble code in each case.

Production Dates : AUG 03, 2017 - FEB 09, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2018-2018 Toyota Sequoia

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 and Lexus vehicles utilize an ECU with different software and/or components of a different design. Note: 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 part variation and whether the electrical noise in the system causes the diagnostic function to set a specific trouble code in each case.

Production Dates : AUG 07, 2017 - FEB 08, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : In the subject vehicles, there is a possibility that electrical noise from the power supply circuit can be introduced into the yaw rate sensor (which is located inside the airbag ECU). This condition may cause the vehicle's diagnostic function to set a specific trouble code, sound a warning chime, and activate multiple warning lights and messages on the combination meter display. If this occurs, the airbag systems will not be affected. However, the Vehicle Stability Control system will become deactivated. In addition, the Pre-Collision System will be deactivated and the Trailer Brake Controller system functions will be limited. Deactivating the Vehicle Stability Control system may cause the subject vehicles to not meet the requirements of FMVSS No. 126, paragraph S5.1.2, which could increase the risk of a crash.

FMVSS 1 : 126 - Electronic stability control systems

FMVSS 2 : NR

Description of the Safety Risk : Deactivating the Vehicle Stability Control system may cause the subject vehicles to not meet the requirements of FMVSS No. 126, paragraph S5.1.2, which 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 : ZF TRW

Address : 902 S 2nd St

Marshall ILLINOIS 62441

Country : United States

Chronology :

Toyota received field reports of vehicles with multiple warning lights illuminated, including the Slip Indicator warning light. An activated Slip Indicator warning light indicates a malfunction of the Vehicle Stability Control system. Toyota began an investigation to determine what caused the illumination of the Slip Indicator warning light. Parts were recovered and investigated from vehicles in the field that exhibited the condition. It was determined that electrical noise from the power supply could be introduced into the yaw rate sensor which may cause the vehicle's diagnostic system to set a specific trouble code, illuminate the Slip Indicator warning light, and deactivate the Vehicle Stability Control system. As the results of the investigation and field information from the U.S. market indicate that this phenomenon could occur prior to first sale, Toyota decided that the subject vehicles may not meet the requirement of FMVSS No. 126, paragraph S5.1.2 on February 14,

2018.

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. The dealers will update the software of the ECU at no cost to owners. 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.

As discussed with the Agency, Toyota is superseding 18V-122 with 18V-685 and will not report further quarterly completions for 18V-122. Vehicles involved in 18V-122 are also included in 18V-685; the remedy in both recalls involves a software update to an ECU. The software remedy for 18V-685 also includes the updates to the software for 18V-122. Thus, any vehicle presented for remedy under 18V-685 will automatically receive the software improvements from the 18V-122 remedy, if not previously completed.

How Remedy Component Differs from Recalled Component : Recalled component name: Sensor Assembly, Air Bag, Recalled component description: Airbag ECU, Part number: 89170-0C580, 89170-0C581, 89170-0C570, 89170-0C571, 89170-0C590, 89170-0C591

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 March 31, 2018. A copy of the draft owner notification letter(s) will be submitted as soon as available. Notifications to distributors/dealers will be sent on February 20, 2018. Copies of dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : FEB 20, 2018 - FEB 20, 2018

Planned Owner Notification Date : MAR 12, 2018 - MAR 31, 2018

* NR - Not Reported