

Part 573 Safety Recall Report

20V-410

Manufacturer Name : Toyota Motor Engineering & Manufacturing**Submission Date :** JUL 15, 2020**NHTSA Recall No. :** 20V-410**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 : 183,397
Estimated percentage with defect : 100 %

Vehicle Information :**Vehicle 1 :** 2018-2020 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) Only vehicles in the above production range which were equipped with the wire harness that was assembled incorrectly due to a specific error in the design drawing are involved in this recall. Other Toyota/Lexus vehicles are not equipped with this wire harness.

Production Dates : FEB 22, 2017 - MAY 29, 2020**VIN Range 1 : Begin :**

NR

End : NR Not sequential**Description of Noncompliance :**

Description of the Noncompliance : The subject vehicles are equipped with LED head light assemblies which contain front turn signal bulbs with dual filaments. Due to an error in the design drawing, the wire harness connected to the front turn signal bulbs was assembled incorrectly. As a result, the incorrect filament in the dual filament bulb is used when the front turn signal or front hazard warning light functions are activated. This results in decreased brightness of the front turn signal bulbs, causing the subject vehicles to not meet certain requirements in FMVSS No. 108, paragraphs S6.4.3(b) and S7.1.1.13. If oncoming traffic is unable to notice the front turn signals or front hazard warning lights, it may result in an increased risk of a crash.

FMVSS 1 : 108 - Lamps, reflective devices, and assoc. Equipment**FMVSS 2 :** NR

Description of the Safety Risk : As a result, the incorrect filament in the dual filament bulb is used when the front turn signal or front hazard warning light functions are activated. This results in decreased brightness of the front turn signal bulbs, causing the subject vehicles to not meet certain requirements in FMVSS No. 108, paragraphs S6.4.3(b) and S7.1.1.13. If oncoming traffic is unable to notice the front turn signals or front hazard warning lights, it may result in an increased risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CD40

Component Name 2 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CD50

Component Name 3 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CD60

Component Name 4 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CL20

Component Name 5 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CL21

Component Name 6 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CL22

Component Name 7 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CM10

Component Name 8 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CM11

Component Name 9 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CM60

Component Name 10 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CM61

Component Name 11 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CM80

Component Name 12 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CM81

Component Name 13 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CN00

Component Name 14 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CN01

Component Name 15 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CQ90

Component Name 16 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CR00

Component Name 17 : Wire, Engine Room Main

Component Description : Wire Harness

Component Part Number : 82111-0CR10

Supplier Identification :

Component Manufacturer

Name : Sumitomo Electric Wiring Systems, Inc.

Address : 1018 Ashley Street

Bowling Green KENTUCKY 42103

Country : United States

Chronology :

After a Toyota employee observed that the turn signals on an involved Tundra vehicle were less bright than

other Toyota vehicles, Toyota began an investigation into this issue. Toyota identified an error in the design drawing of the wire harness connected to the front turn signal bulbs that would result in the brightness of the front turn signal bulbs being less than intended. Toyota conducted testing to assess whether this condition may affect compliance with the requirements of FMVSS No. 108.

Testing of the subject headlamps equipped with front turn signal bulbs indicated that the brightness of the turn signal bulbs did not meet certain requirements in FMVSS No. 108, paragraphs S6.4.3(b) and S7.1.1.13 and on July 9, 2020 Toyota decided that the front turn signals did not comply with those portions of FMVSS No. 108.

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, the dealers will modify the wire harness connected to the front turn signal bulbs free of charge. 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 : 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 September 13, 2020. A copy of the draft owner notification letter(s) will be submitted as soon as available. Notification to distributors/dealers will be sent by July 15, 2020. Copies of the dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : JUL 15, 2020 - JUL 15, 2020

Planned Owner Notification Date : SEP 07, 2020 - SEP 13, 2020

* NR - Not Reported