

# Part 573 Safety Recall Report

# 21V-688

**Manufacturer Name :** Toyota Motor Engineering & Manufacturing**Submission Date :** OCT 07, 2021**NHTSA Recall No. :** 21V-688**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 :** 158,489  
**Estimated percentage with defect :** 1 %

**Vehicle Information :****Vehicle 1 :** 2018-2021 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) This recall applies to the aforementioned Tundra vehicles equipped with halogen headlamps that were designed incorrectly to allow the circuits for both the high and low beam bulb filaments to be energized simultaneously when the high beams are switched on. Tundra vehicles with non-halogen headlamps are not affected. Other Toyota and Lexus vehicles sold in the U.S. are not equipped with the headlamp electrical circuit described below.

**Note:** The percentage of vehicles estimated to actually contain the defect is unknown. Although all of the subject vehicles equipped with halogen headlamps contain the incorrectly designed headlamp electrical circuit described below, whether the issue in each case will lead to a fire that may propagate to other parts of the vehicle depends on the customer usage pattern. However, as the NHTSA manufacturer portal requires a numerical value be entered, Toyota has entered the value "1". For the purpose of this report, "1" means "unknown". Toyota has not estimated that the percentage of vehicles to actually contain the defect to be 1%.

**Production Dates :** JUN 06, 2017 - MAR 24, 2021**VIN Range 1 : Begin :**

NR

**End :** NR **Not sequential**

**Description of Defect :**

Description of the Defect : The subject vehicles are equipped with halogen headlamp electrical circuits that were designed incorrectly to allow the circuits for both the high and low beam bulb filaments to be energized simultaneously when the high beams are switched on. If the high beams are subjected to repeated extended use (e.g., continuously switched "on" in a commercial setting when the vehicle is idling or driving at low speed for extended periods of time and not allowing air flow to cool the headlamp connector), excess heat over multiple days could lead to degradation of the bulb insulation and eventually the bulb connector. This can cause an open headlamp circuit, leading to an inoperative headlamp that can be noticed by the driver and repaired. However, if an open circuit does not occur, there is a possibility that the connector could continue to overheat, resulting in an increased risk of a fire that may propagate to other parts of the vehicle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the high beams are subjected to repeated extended use (e.g., continuously switched "on" in a commercial setting when the vehicle is idling or driving at low speed for extended periods of time and not allowing air flow to cool the headlamp connector), excess heat over multiple days could lead to degradation of the bulb insulation and eventually the bulb connector. This can cause an open headlamp circuit, leading to an inoperative headlamp that can be noticed by the driver and repaired. However, if an open circuit does not occur, there is a possibility that the connector could continue to overheat, resulting in an increased risk of a fire that may propagate to other parts of the vehicle.

Description of the Cause : NR

Identification of Any Warning  
that can Occur : NR**Involved Components :**

Component Name 1 : WIRE, ENGINE ROOM MAIN

Component Description : Engine Room Main Wire Harness

Component Part Number : 82111-0CQ50-A

Component Name 2 : WIRE, ENGINE ROOM MAIN

Component Description : Engine Room Main Wire Harness

Component Part Number : 82111-0CQ60-A

**Component Name 3 :** WIRE, ENGINE ROOM MAIN

**Component Description :** Engine Room Main Wire Harness

**Component Part Number :** 82111-0CQ70-A

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**Component Name 4 :** WIRE, ENGINE ROOM MAIN

**Component Description :** Engine Room Main Wire Harness

**Component Part Number :** 82111-0CQ80-A

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**Component Name 5 :** WIRE, ENGINE ROOM MAIN

**Component Description :** Engine Room Main Wire Harness

**Component Part Number :** 82111-0CK01-A

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**Component Name 6 :** WIRE, ENGINE ROOM MAIN

**Component Description :** Engine Room Main Wire Harness

**Component Part Number :** 82111-0CK11-A

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**Component Name 7 :** WIRE, ENGINE ROOM MAIN

**Component Description :** Engine Room Main Wire Harness

**Component Part Number :** 82111-0CK21-A

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**Component Name 8 :** WIRE, ENGINE ROOM MAIN

**Component Description :** Engine Room Main Wire Harness

**Component Part Number :** 82111-0CK31-A

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**Component Name 9 :** WIRE, ENGINE ROOM MAIN

**Component Description :** Engine Room Main Wire Harness

**Component Part Number :** 82111-0CK41-A

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Component Name 10 : WIRE, ENGINE ROOM MAIN

Component Description : Engine Room Main Wire Harness

Component Part Number : 82111-0CK51-A

Component Name 11 : WIRE, ENGINE ROOM MAIN

Component Description : Engine Room Main Wire Harness

Component Part Number : 82111-0CK61-A

Component Name 12 : WIRE, ENGINE ROOM MAIN

Component Description : Engine Room Main Wire Harness

Component Part Number : 82111-0CK71-A

Component Name 13 : WIRE, ENGINE ROOM MAIN

Component Description : Engine Room Main Wire Harness

Component Part Number : 82111-0CK81-A

## Supplier Identification :

### Component Manufacturer

Name : SEWS NA

Address : 1018 ASHLEY STREET  
BOWLING GREEN Kentucky 42103

Country : United States

## Chronology :

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

**Description of Remedy :**

Description of Remedy Program : For all involved vehicles, Toyota dealers will modify the engine wire harness assembly and inspect the headlight bulb connector, bulb, and headlight assembly. If one or more of these components is found to be damaged due to this overheating condition, the damaged component(s) will be replaced with new ones as needed.

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 November 1, 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 September 2, 2021. Copies of dealer communications will be submitted as they are issued.

Planned Dealer Notification Date : SEP 02, 2021 - SEP 02, 2021

Planned Owner Notification Date : OCT 04, 2021 - NOV 01, 2021

\* NR - Not Reported