

# Part 573 Safety Recall Report

# 23V-480

**Manufacturer Name :** Toyota Motor Engineering & Manufacturing**Submission Date :** OCT 10, 2023**NHTSA Recall No. :** 23V-480**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 :** 152,927

**Estimated percentage with defect :** 16 %

**Vehicle Information :**

**Vehicle 1 :** 2023-2023 Toyota Corolla

**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) Whether service parts could be affected is still under investigation. If service parts are found to be affected, this filing will be amended.

(3) Only vehicles in the above production range may have been equipped with the spiral cable assembly that includes a Flexible Flat Cable (FFC) that may not have been welded sufficiently due to a specific production issue and are involved in this recall. Other Toyota and Lexus vehicles are not equipped with the spiral cable assemblies that include the affected FFC produced at a specific supplier during a specific production period. 15.6 % of the involved vehicles contain the part that could be affected by the condition described in Section 5 below. Whether the issue, in each case, will cause the FFC to separate on the driver's airbag module circuits rather than other circuits cannot be determined.

**Production Dates :** FEB 21, 2023 - JUL 31, 2023

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

Vehicle 2 : 2023-2023 Toyota Corolla Cross

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.  
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Production Dates : FEB 21, 2023 - JUN 30, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2023-2023 Toyota Corolla Cross Hybrid

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.  
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(3) Only vehicles in the above production range may have been equipped with the spiral cable assembly that includes a Flexible Flat Cable (FFC) that may not have been welded sufficiently due to a specific production issue and are involved in this recall. Other Toyota and Lexus vehicles are not equipped with the spiral cable assemblies that include the affected FFC produced at a specific supplier during a specific production period. 15.6 % of the involved vehicles contain the part that could be affected by the condition described in Section 5 below. Whether the issue, in each case, will cause the FFC to separate on the driver's airbag module circuits rather than other circuits cannot be determined.

Production Dates : MAR 27, 2023 - JUN 30, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2023-2023 Toyota Highlander

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.  
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Production Dates : MAR 13, 2023 - MAY 23, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2023-2023 Toyota Highlander Hybrid

Vehicle Type :

Body Style :

Power Train : NR

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(3) Only vehicles in the above production range may have been equipped with the spiral cable assembly that includes a Flexible Flat Cable (FFC) that may not have been welded sufficiently due to a specific production issue and are involved in this recall. Other Toyota and Lexus vehicles are not equipped with the spiral cable assemblies that include the affected FFC produced at a specific supplier during a specific production period. 15.6 % of the involved vehicles contain the part that could be affected by the condition described in Section 5 below. Whether the issue, in each case, will cause the FFC to separate on the driver's airbag module circuits rather than other circuits cannot be determined.

Production Dates : MAR 13, 2023 - MAY 18, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2023-2023 Toyota Tacoma

Vehicle Type :

Body Style :

Power Train : NR

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(3) Only vehicles in the above production range may have been equipped with the spiral cable assembly that includes a Flexible Flat Cable (FFC) that may not have been welded sufficiently due to a specific production issue and are involved in this recall. Other Toyota and Lexus vehicles are not equipped with the spiral cable assemblies that include the affected FFC produced at a specific supplier during a specific production period. 15.6 % of the involved vehicles contain the part that could be affected by the condition described in Section 5 below. Whether the issue, in each case, will cause the FFC to separate on the driver's airbag module circuits rather than other circuits cannot be determined.

Production Dates : MAR 24, 2023 - AUG 07, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2023-2023 Lexus RX350

Vehicle Type :

Body Style :

Power Train : NR

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Production Dates : FEB 21, 2023 - JUN 01, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2023-2023 Lexus RX350 Hybrid

Vehicle Type :

Body Style :

Power Train : NR

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Production Dates : MAR 13, 2023 - MAY 04, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2023-2023 Lexus RX500 Hybrid

Vehicle Type :

Body Style :

Power Train : NR

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(3) Only vehicles in the above production range may have been equipped with the spiral cable assembly that includes a Flexible Flat Cable (FFC) that may not have been welded sufficiently due to a specific production issue and are involved in this recall. Other Toyota and Lexus vehicles are not equipped with the spiral cable assemblies that include the affected FFC produced at a specific supplier during a specific production period. 15.6 % of the involved vehicles contain the part that could be affected by the condition described in Section 5 below. Whether the issue, in each case, will cause the FFC to separate on the driver's airbag module circuits rather than other circuits cannot be determined.

Production Dates : FEB 22, 2023 - MAY 12, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2023-2024 Lexus NX250

Vehicle Type :

Body Style :

Power Train : NR

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(3) Only vehicles in the above production range may have been equipped with the spiral cable assembly that includes a Flexible Flat Cable (FFC) that may not have been welded sufficiently due to a specific production issue and are involved in this recall. Other Toyota and Lexus vehicles are not equipped with the spiral cable assemblies that include the affected FFC produced at a specific supplier during a specific production period. 15.6 % of the involved vehicles contain the part that could be affected by the condition described in Section 5 below. Whether the issue, in each case, will cause the FFC to separate on the driver's airbag module circuits rather than other circuits cannot be determined.

Production Dates : FEB 21, 2023 - MAY 31, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 11 : 2023-2024 Lexus NX350

Vehicle Type :

Body Style :

Power Train : NR

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Production Dates : FEB 22, 2023 - MAY 19, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 12 : 2023-2024 Lexus NX350 Hybrid

Vehicle Type :

Body Style :

Power Train : NR

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**Production Dates :** MAR 06, 2023 - MAY 30, 2023

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Noncompliance :

**Description of the Noncompliance :** The steering column assembly in the subject vehicles contains electrical connections to the driver's airbag module housed in a spiral cable assembly, which includes a Flexible Flat Cable (FFC). Due to an insufficient weld condition of the FFC to the spiral cable's bus bar, there is a possibility that the FFC can separate, resulting in one or more open circuits connected through the FFC. This separation could occur on the circuit that provides connectivity to the driver's airbag module. If connectivity is lost, the SRS warning light will illuminate and the driver's airbag could become deactivated, causing it to not deploy in the event of a crash of the type that would cause deployment. As a result, the vehicles may not comply with some requirements of FMVSS No. 208 where driver's airbag deployment is needed. This could result in an increased risk of injury to the driver in a crash.

**FMVSS 1 :** 208 - Occupant crash protection

**FMVSS 2 :** NR

**Description of the Safety Risk :** As a result, the vehicles may not comply with some requirements of FMVSS No. 208 where driver's airbag deployment is needed. This could result in an increased risk of injury to the driver in a crash.

**Description of the Cause :** NR

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

## Involved Components :

Component Name 1 : Cable Sub-Assy, Spiral

Component Description : Spiral Cable Assembly

Component Part Number : 84306-0A010

Component Name 2 : Cable Sub-Assy, Spiral

Component Description : Spiral Cable Assembly

Component Part Number : 84306-0E180

Component Name 3 : Cable Sub-Assy, Spiral

Component Description : Spiral Cable Assembly

Component Part Number : 84306-0E090

Component Name 4 : Cable Sub-Assy, Spiral

Component Description : Spiral Cable Assembly

Component Part Number : 84306-F6020

## Supplier Identification :

### Component Manufacturer

Name : American Furukawa, Inc.

Address : 47677 Galleon Dr.  
Plymouth Michigan 48170

Country : United States

## Chronology :

In Mid-May, 2023, the spiral cable assembly supplier notified Toyota of a manufacturing process investigation which found contamination in a washing station for certain spiral cable components that caused a poor welding condition between the FFC and the bus bar. The FFC provides connectivity to various controls on the steering wheel. From late-May to late-June, the supplier conducted testing to determine the effects of contamination, which indicated that the FFC could separate from the bus bar at the poor weld connection area.

As a result of the investigation, Toyota determined on July 6, 2023, that the involved vehicles may have a condition present at the time of manufacturing and point of first sale in which the FFC weld separation can deactivate the driver's airbag, which would cause the vehicle not to meet certain requirements of FMVSS No. 208 where driver's airbag deployment is needed. In Mid-July, after filing the Noncompliance Information Report, Toyota received 5 field reports for conditions related to Spiral Cable electrical connectivity that were suspected to be outside of the supplier's affected production range for the subject issue. The parts were recovered and an investigation began. As a result of the investigation, Toyota determined on October 4, 2023 that the affected vehicle population was larger than the original recall filing and required an adjustment as reflected in section 2.

## Description of Remedy :

Description of Remedy Program : All known owners of the involved vehicles will be notified to return their vehicles to a Toyota or Lexus dealer. For all involved vehicles, dealers will inspect the Spiral Cable Assembly production date and replace the Spiral Cable Assembly, if necessary, at no cost to owners. As the owner notification letters will be mailed out well within the active period of the Toyota or Lexus New Vehicle Limited Warranty ("Warranty"), all involved vehicle owners for this recall would have been provided a repair at no cost under the 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 vehicles affected by the original filing occurred September 10, 2023. Notifications to owners of the vehicles affected by the amended filing will occur by November 15, 2023. Notifications to distributors/dealers for the original filing were sent on July 12, 2023. Notifications to distributors/dealers for the amended filing will be sent by October 10, 2023. Copies of dealer communications for the amended filing will be submitted as they are issued.

Planned Dealer Notification Date : OCT 10, 2023 - OCT 10, 2023

Planned Owner Notification Date : NOV 01, 2023 - NOV 15, 2023

\* NR - Not Reported