

July 12, 2023

NONCOMPLIANCE INFORMATION REPORT

1. Vehicle Manufacturer Name:

Mazda Toyota Manufacturing U.S.A., Inc [“MTMUS”]
9000 Greenbriar Parkway, NW, Madison, AL 35756

Toyota Motor Manufacturing de Baja California [“TMMBC”]
Carretera Libre Tijuana Tecate Erea la Encantada, 22250, Tijuana, Baja California

Toyota Motor Manufacturing Canada Inc. [“TMMC”]
1055 Fountain Street North, Cambridge, Ontario, Canada N3H 5K2

Toyota Motor Manufacturing Guanajuato [“TMMGT”]
México 45D, 38195 San Pedro Tenango, Gto., Mexico

Toyota Motor Manufacturing, Indiana [“TMMI”]
4000 Tulip Tree Dr, Princeton, Indiana 47670

Toyota Motor Manufacturing, Mississippi [“TMMMS”]
1200 Magnolia Way, Blue Springs, Mississippi 38828

Affiliated U.S. Sales Company:

Toyota Motor North America [“TMNA”]
6565 Headquarters Drive, Plano, TX 75024

Manufacturer of the Spiral Cable Assembly:

American Furukawa, Inc.
47677 Galleon Dr., Plymouth, MI 48170
Phone: 734-446-2200

Country of Origin: Mexico

2. Identification of Involved Vehicles and Affected Components:

Based on production records, we have determined the involved vehicle population to be the vehicles listed in the table below.

Make/Car Line	Model Year	Manufacturer	Production Period
Toyota / Corolla	2023	TMMMS	February 21, 2023 through May 22, 2023
Toyota / Corolla Cross		MTMUS	February 21, 2023 through May 30, 2023
Toyota / Corolla Cross Hybrid			March 27, 2023 through June 7, 2023
Toyota / Highlander		TMMI	March 14, 2023 through May 18, 2023
Toyota / Highlander Hybrid			March 14, 2023 through May 17, 2023
Toyota / Tacoma		TMMBC	March 24, 2023 through June 22, 2023
		TMMGT	March 27, 2023 through June 15, 2023
Lexus / RX350		TMMC	February 21, 2023 through June 1, 2023
Lexus / RX350 Hybrid			March 13, 2023 through May 4, 2023
Lexus / RX500 Hybrid			February 22, 2023 through May 12, 2023
Lexus / NX250	February 21, 2023 through May 31, 2023		
Lexus / NX350	February 22, 2023 through May 19, 2023		
Lexus / NX350 Hybrid	March 6, 2023 through May 30, 2023		
	2023-2024		

Applicability	Part Number	Part Name	Component Description
MY2023 Toyota / Corolla Toyota / Corolla Cross Toyota / Corolla Cross Hybrid	84306-0A010	Cable Sub-Assy, Spiral	Spiral Cable Assembly
MY2023 Toyota / Highlander Toyota / Highlander Hybrid	84306-0E180	Cable Sub-Assy, Spiral	Spiral Cable Assembly
MY2023 Toyota / Tacoma	84306-0E090	Cable Sub-Assy, Spiral	Spiral Cable Assembly
MY2023 Lexus / RX350 Lexus / RX350 Hybrid Lexus / RX500 Hybrid	84306-F6020	Cable Sub-Assy, Spiral	Spiral Cable Assembly
MY2023-2024 Lexus / NX250 Lexus / NX350 Lexus / NX350 Hybrid			

Note: (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.

3. Total Number of Vehicles Involved:

Toyota Corolla	: 26,675
Toyota Corolla Cross	: 14,203
Toyota Corolla Cross Hybrid	: 138
Toyota Highlander	: 21,597
Toyota Highlander Hybrid	: 4,554
Toyota Tacoma	: 38,561
Lexus RX350	: 1,135
Lexus RX350 Hybrid	: 13
Lexus RX500 Hybrid	: 33
Lexus NX250	: 2,335
Lexus NX350	: 791
Lexus NX350 Hybrid	: 12
Total	: 110,047

4. Percentage of Vehicles Estimated to Actually Experience Noncompliance:

11.3 % 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.

5. Description of 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.

6. Test Results and Other Information:

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.

7. Description of Corrective Repair Action:

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.

Reimbursement Plan for pre-notification remedies

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.

8. Recall Schedule:

Notifications to owners of the affected vehicles will occur by September 10, 2023. A copy of the draft owner notification letter(s) will be submitted as soon as available.

9. Distributor/Dealer Notification Schedule:

Notifications to distributors/dealers will be sent by July 12, 2023. Copies of dealer communications will be submitted as they are issued.

10. Manufacturer's Campaign Number:

	<u>Interim</u>	<u>Remedy</u>
Toyota:	23TB08	23TA08
Lexus:	23LB02	23LA02