

October 30, 2025

NONCOMPLIANCE INFORMATION REPORT

1. Vehicle Manufacturer Name:

Toyota Motor Corporation ["TMC"]
1, Toyota-cho, Toyota-city, Aichi-pref., 471-8571, Japan

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

Toyota Motor Manufacturing, Kentucky, Inc. ["TMMK"]
1001 Cherry Blossom Way, Georgetown, KY, 40324

Toyota Motor Manufacturing, Indiana, Inc. ["TMMI"]
4000 Tulip Tree Drive, Princeton, IN 47670-4000

Affiliated U.S. Sales Company:

Toyota Motor North America, Inc. ["TMNA"]
6565 Headquarters Drive, Plano, TX 75024

Distributor Company for Solterra:

Subaru of America, Inc. ["SOA"]
One Subaru Drive, Camden, NJ 08103

Manufacturer of Parking Assist ECU:

DENSO CORPORATION
1-1, Showa-cho, Kariya-city, Aichi-pref., 448-8661, Japan
Phone: +81-566-25-5511

DENSO International America, Inc.
 24777 Denso Drive, Southfield, Michigan 48086 U.S.A.
 Phone: +1-248-350-7500

Country of Origin: Japan and U.S.A.

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 / bZ4X	2023-2025	TMC	October 29, 2021 through June 11, 2025
Toyota / Camry	2025-2026	TMMK	April 15, 2024 through October 2, 2025
Toyota / Crown	2023-2026	TMC	May 30, 2022 through April 4, 2025
Toyota / Crown Signia	2025	TMC	November 13, 2023 through August 7, 2025
Toyota / Grand Highlander	2024-2026	TMMI	June 13, 2023 through September 17, 2025
Toyota / Highlander	2023-2025	TMMI	October 7, 2022 through October 7, 2025
Toyota / Land Cruiser	2024-2025	TMC	November 29, 2023 through June 10, 2025
Toyota / Mirai	2023-2025	TMC	September 26, 2022 through September 1, 2025
Toyota / Prius, Prius Prime	2023-2025	TMC	October 12, 2022 through July 1, 2025
Toyota / RAV4, RAV4 Prime	2023-2025	TMC, TMMC	June 17, 2022 through October 9, 2025
Toyota / Sienna	2025	TMMI	October 8, 2024 through September 17, 2025

Toyota / Venza	2023-2024	TMC	October 4, 2022 through August 28, 2024
Lexus / ES250, ES300h, ES 350	2023-2025	TMMK	September 14, 2022 through October 1, 2025
Lexus / GX550	2024-2025	TMC	May 31, 2023 through June 4, 2025
Lexus / LC500, LC500h	2024-2025	TMC	May 15, 2023 through January 10, 2025
Lexus / LS500, LS500h	2023-2025	TMC	June 17, 2022 through September 15, 2025
Lexus / LX600, LX700h	2022-2025	TMC	July 30, 2021 through August 7, 2025
Lexus / NX350, NX350h, NX450h+	2022-2025	TMC, TMMC	April 7, 2021 through August 7, 2025
Lexus / RX350, RX350h, RX450h+, RX500h	2023-2026	TMC, TMMC	November 1, 2022 through September 26, 2025
Lexus / RZ300e, RZ450e	2023-2025	TMC	October 18, 2022 through April 7, 2025
Lexus / TX350, TX500, TX550h+	2024-2026	TMMI	September 20, 2023 through October 2, 2025
Subaru / Solterra	2023-2025	TMC	March 29, 2022 through June 2, 2025

Applicability	Part Number	Part Name	Component Description
MY2023-2025 Toyota / bZ4X	86792-42310 86792-42310 86792-42810	Computer, Parking Assist	Parking Assist ECU
MY2025-2026 Toyota / Camry	86792-33180		
MY2023-2026 Toyota / Crown	86792-30520 86792-30690		
MY2025 Toyota / Crown Signia	86792-30600		
MY2024-2026 Toyota / Grand Highlander	86792-48860		

MY2023-2025 Toyota / Highlander	86792-48890 86792-48891 86792-48A50	Computer, Parking Assist	Parking Assist ECU
MY2024-2025 Toyota / Land Cruiser	86792-60A00		
MY2023-2025 Toyota / Mirai	86792-62080 86792-62120 86792-62140 86792-62180		
MY2023-2025 Toyota / Prius, Prius Prime	86792-47460 86792-47470		
MY2023-2025 Toyota / RAV4, RAV4 Prime	86792-42260 86792-42580 86792-42581 86792-42670 86792-42680 86792-42690		
MY2025 Toyota / Sienna	86792-45090		
MY2023-2024 Toyota / Venza	86792-48A30		
MY2023-2025 Lexus / ES250, ES300h, ES 350	86792-33440 86792-33441 86792-33460 86792-33461 86792-33500 86792-33501 86792-33520 86792-33521		
MY2024-2025 Lexus / GX550	86792-60A20 86792-60A40 86792-60A60 86792-60A70		
MY2024-2025 Lexus / LC500, LC500h	86792-11020		
MY2023-2025 Lexus / LS500, LS500h	86792-50420 86792-50440 86792-50460 86792-50500 86792-50510 86792-50511 86792-50560 86792-50561		

MY2022-2025 Lexus / LX600, LX700h	86792-60820 86792-60821 86792-60822 86792-60B00 86792-60B01 86792-60C50	Computer, Parking Assist	Parking Assist ECU
MY2022-2025 Lexus / NX350, NX350h, NX450h+	86792-78240 86792-78241 86792-78320 86792-78321 86792-78360 86792-78430		
MY2023-2026 Lexus / RX350, RX350h, RX450h+, RX500h	86792-48630 86792-48631 86792-48760 86792-48770 86792-48A80 86792-48A81		
MY2023-2025 Lexus / RZ300e, RZ450e	86792-46080 86792-46170		
MY2024-2026 Lexus / TX350, TX500, TX550h+	86792-48880		
MY2023-2025 Subaru / Solterra	86792-42330 86792-42331 86792-42820		

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) This issue only affects the vehicles listed above which are equipped with the Parking Assist ECU containing specific software logic from a specific supplier. Other vehicles are equipped with a different Parking Assist ECU software or are not equipped with a PVM system.

3. Total Number of Vehicles Potentially Involved:

bZ4X : 13,616
Camry : 37,383
Crown : 15,508
Crown Signia : 13,752
Grand Highlander : 123,064
Highlander : 83,638
Land Cruiser : 39,786
Mirai : 2,791

Prius	: 12,576
Prius Prime	: 6,526
RAV4	: 111,994
RAV4 Prime	: 17,268
Sienna	: 12,744
Venza	: 26,786
ES250	: 116
ES300h	: 17,534
ES350	: 17,425
GX550	: 42,034
LC500	: 2,605
LC500h	: 41
LS500	: 3,397
LS500h	: 217
LX600	: 21,003
LX700h	: 2,271
NX250	: 303
NX350	: 28,350
NX350h	: 30,532
NX450h+	: 18,809
RX350	: 125,339
RX350h	: 59,985
RX450h+	: 10,369
RX500h	: 17,218
RZ300e	: 5,278
RZ450e	: 11,212
TX350	: 57,444
TX500h	: 14,144
TX550h+	: 1,253
Solterra	: 20,096
Total	: 1,024,407

4. Percentage of Vehicles Estimated to Actually Contain the Defect:

100% of the involved vehicles contain a Parking Assist ECU with the software programming described in Section 5 below. Whether this issue, in each case, will cause the rearview image to briefly freeze or not to be displayed during the backing event depends on the conditions as described in Section 6.

5. Description of Problem:

The subject vehicles are equipped with a Parking Assist ECU, which is a component of the Panoramic View Monitor (PVM) system that displays the rearview image. The software in this ECU may cause (1) the rearview image to freeze briefly during the backing event if reverse is selected within a specific time after ignition is turned on; or (2) the rearview image not to display on the next ignition on if the ignition is turned on and off within a specific time. As a result, the subject vehicles may not meet the rear visibility requirements specified in FMVSS No. 111, paragraphs S5.5.5, S5.5.6, S6.2.5, and/or S6.2.6, which may increase the risk of a crash with a person during a backing event.

6. Test Result and Other Information: .

April 2024 - December 2024

Toyota conducted a review of the Japan spec PVM system software programming as a part of a different activity and began bench testing to investigate possibility of (1) rearview image freezing and (2) rearview image not displaying, due to field reports in Japan. During bench testing, Toyota found (1) if interruptions occurred during the image drawing process, the rearview image could freeze, and (2) if the camera optical alignment data became abnormal during the data writing process due to the Parking Assist ECU power down, the rearview image may not display. Additionally, it was discovered during the software programming review that, the possible errors could affect to the global spec PVM systems, including those sold in the U.S.

December 2024 - October 2025

Toyota conducted vehicle testing to confirm if (1) the interruptions, or (2) the abnormal camera optical alignment data could occur on a vehicle during actual customer usage, and what the phenomenon was if the conditions occurred. For (1), the testing and analysis found that, if the vehicle is shifted into reverse within 0.7 to 2.6 seconds after ignition on, a vehicle speed is detected during the first image frame process, and the first image frame process occurs within 1.1 to 1.4 seconds after shifting into reverse, then the rearview image could freeze for up to 1.8 seconds. For (2), the testing and analysis found that two 23 millisecond camera optical alignment data writing processes occur randomly during the first 12.5 seconds after ignition on and if the Parking Assist ECU powers off during either of these two data writing processes, the data for camera optical alignment becomes an abnormal value, causing the rearview image not to display on the next ignition on.

On October 24, 2025, Toyota determined that it is possible that the involved vehicles could experience the conditions above and may not meet the requirements of FMVSS No. 111 S5.5.5, S5.5.6, S6.2.5 and/or S6.2.6. As a result, Toyota decided to conduct a recall.

7. Description of Corrective Repair Action:

All known Toyota and Lexus owners of the subject vehicles will be notified to return their vehicles to a Toyota or Lexus dealer. For all involved vehicles, dealers will update the Parking Assist ECU software, which will address this issue, free of charge.

Subaru retailers will update the Parking Assist ECU software at no cost to the customer.

Reimbursement Plan for pre-notification remedies

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.

Subaru will provide reimbursement to owners for repairs according to the general plan submitted in May 2024.

8. Recall Schedule:

Notifications to owners of the affected vehicles will occur by December 29, 2025. A copy of the draft owner notification will be submitted as soon as it is available.

9. Distributor/Dealer Notification Schedule:

Notifications to distributors/dealers will be sent on October 30, 2025. Copies of dealer communications will be submitted as they are issued.

10. Manufacturer's Campaign Number:

Lexus:	25LB06 [Interim]	25LA06 [Remedy]
Toyota:	25TB13 [Interim]	25TA13 [Remedy]
Subaru:	WRE-25	