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**Nissan North America, Inc.**

One Nissan Way  
Franklin, TN 37067

Mailing Address:  
PO Box 685001  
Franklin, TN 37068

October 13, 2022

Ms. Anne Collins  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
Attn: Recall Management Division (NVS-215)  
Room W48-302  
1200 New Jersey Avenue, SE  
Washington, D.C. 20590

Dear Ms. Collins:

We are transmitting the enclosed Non-Compliance Information Report in accordance with 49 CFR Part 573. A voluntary recall campaign will be initiated and your office provided with the notices.

Very truly,

A handwritten signature in black ink, appearing to read "Will Swindell".

Will Swindell  
Manager,  
Technical Compliance

Encl.

## **NONCOMPLIANCE INFORMATION REPORT**

1. Manufacturer:

Nissan North America, Inc., Canton plant  
Nissan North America, Inc., Smyrna plant  
Nissan Shatai Kyushu Co., Ltd

2. Vehicles Potentially Involved:

The production period of affected vehicles involved is shown in the table below.

<b><u>Model</u></b>	<b><u>Dates of Manufacture</u></b>
MY 2022 Nissan Titan / Titan XD	December 17, 2021 to July 12, 2022
MY 2022 Nissan Frontier	March 10, 2022 to May 16, 2022
MY 2021-2022 Nissan Rogue (Kyushu )	September 24, 2021 to May 17, 2022
MY 2021-2022 Nissan Rogue (Smyrna)	October 16, 2020 to May 31, 2022

The issue (as described in Section 5 below) is specific to Nissan Titan / Titan XD, Frontier, and Rogue vehicles listed above, equipped with the (Bosch) In-Vehicle Infotainment (IVI) systems and specific software versions. This issue is present on these vehicles due to the unique combination of software logic and vehicle architecture complexity. No other Nissan or INFINITI vehicles are affected by this issue.

The name, description and part number of the subject component is below:

<b><u>Applicable Model</u></b>	<b><u>Part Name</u></b>	<b><u>Part Number</u></b>	<b><u>Software Version</u></b>
Titan	CONTROL ASSY - AV	25915 9FY1D	5319
Titan	CONTROL ASSY - AV	2591A 9FY1D	5319
Frontier	CONTROL ASSY - AV	25915 9BU0E	4618
Frontier	CONTROL ASSY - AV	25915 9BU1E	4618
Rogue	CONTROL ASSY - AV	25915 6RR0E	4617
Rogue	CONTROL ASSY - AV	25915 6RF0E	4617
Rogue	CONTROL ASSY - AV	2591A 6RR1A	4617
Rogue	CONTROL ASSY - AV	2591A 6RF1A	4617

The name and address of the IVI software supplier is:

Robert Bosch GmbH (Bosch)  
Robert-Bosch-Straße 200  
31139 Hildesheim, Germany

Roland Schielke  
+49 5121 49-5547  
Roland.schielke@de.bosch.com

3. Total Number of Vehicles Potentially Involved:

Approximately 27,344 vehicles may be affected as shown in the table below:

<b><u>Model Year / Model</u></b>	<b><u>Number of Vehicles</u></b>
MY 2022 Nissan Titan / Titan XD	5,450
MY 2022 Nissan Frontier	5
MY 2021-2022 Nissan Rogue	21,889

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

100%

5. Description of the Noncompliance:

Due to an internal parameter setting error, the IVI hardware becomes unstable if the vehicle is restarted within two (2) minutes of IGN OFF or if the battery terminal is removed within two (2) minutes after IGN OFF. Under these circumstances on vehicle restart, the IVI unit will continuously reboot.

This reboot condition can cause the rearview image to not be available or deactivate while the vehicle is in reverse, which does not meet the requirements of S5.5 of Federal Motor Vehicle Safety Standard (FMVSS) No. 111; Rear Visibility. The potential for loss of rearview image during a backing event may lead to the increased risk of a crash or injury to a person behind the vehicle.

6. Basis for Determination of the Existence of a Noncompliance:

March 2022 – Nissan received a customer complaint regarding an issue with a Model Year 2022 Titan. The complaint alleged the In-Vehicle Infotainment (IVI) unit continually rebooted itself. Nissan inspected the subject Titan. Nissan subsequently reached out to the IVI supplier (Bosch) to study the affected part and continued to monitor the market for similar incidents.

April 2022 through May 2022 – Nissan and Bosch investigated the issue, including Nissan's collection of additional potential field incident parts. Five (5) total parts were collected and sent to the supplier for analysis. Bosch determined a power loss during a two (2) minute risk window would trigger the "check-sum" function within the IVI that results in the continuous reboot condition.

June 2022 through August 2022 - The investigation pointed to a potential issue with the OSD4 to OSD5 equipment update by Bosch- Malaysia in March of 2021. Bosch determined the new check sum type under the Open Source Distribution is not compatible with Nissan IVI products. In parallel, Nissan investigated whether this issue affected other Nissan models that contained the same IVI unit.

September 2022 - Nissan completed its safety assessment and concluded that the subject condition may cause the backup camera to become inoperable if the IVI unit enters a reboot process.

October 6, 2022 – Based on the foregoing, Nissan made a noncompliance determination.

Nissan is not aware of any accident or injuries related to the subject condition.

7. Description of Corrective Action:

Nissan will notify all owners of affected vehicles by November 18, 2022. Dealers will be notified on October 14, 2022. Dealers will reprogram the IVI unit with updated software via USB. Customers will also have the option to receive an Over-the-Air (OTA) update for OTA-capable vehicles, which will be available in November 2022. There will be no charge for the update. In the event the incident condition has occurred, dealers are instructed to replace the IVI unit. All repairs will be performed free of charge for parts and labor.

Nissan will not include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy for the subject vehicles because they are still under warranty.

8. Copy of Notices:

Copies of all notices will be provided to NHTSA as they become available.