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**Nissan North America, Inc.**

One Nissan Way  
Franklin, TN 37067

Mailing Address:  
PO Box 685001  
Franklin, TN 37068

June 26, 2025

Ms. Eileen Sullivan  
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. Sullivan:

We are transmitting the enclosed Defect 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.

## **DEFECT INFORMATION REPORT**

1. Manufacturer:

Cooperation Manufacturing Plant Aguascalientes (COMPAS)  
Nissan North America, Inc., Canton Plant  
Nissan North America, Inc., Smyrna Plant  
Nissan Motor Kyushu Co., Ltd.

2. Vehicles Potentially Involved:

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

<u><b>Model</b></u>	<u><b>Dates of Manufacture</b></u>	<u><b>Manufacturing Plant</b></u>
MY 2022 INFINITI QX55	February 10, 2021 to January 10, 2022	COMPAS
MY 2019 – 2022 INFINITI QX50	October 6, 2017 to January 10, 2022	COMPAS
MY 2019 – 2020 Nissan Altima	July 27, 2018 to November 27, 2019	Canton
MY 2019 – 2020 Nissan Altima	May 25, 2018 to December 11, 2019	Smyrna
MY 2022 – 2024 Nissan Rogue	November 22, 2021 to June 13, 2024	Smyrna
MY 2021 – 2024 Nissan Rogue	March 12, 2021 to August 1, 2024	Kyushu

This issue (as described in Section 5 below) is specific to vehicles equipped with either the 3-cylinder 1.5L (KR15DDT) or 4-cylinder 2.0L (KR20DDET) variable compression turbo (VC-Turbo) engine. Suspect engine assemblies have one-to-one traceability records linking the affected engine serial numbers to vehicles produced within the specified production periods for the models listed above. No other Nissan or INFINITI vehicles are affected.

The name, description and part number of the subject components are below:

<u><b>Part Name</b></u>	<u><b>Part Description</b></u>	<u><b>Part Number</b></u>
Engine - Bare	1.5L VC-Turbo 3-cylinder engine - Rogue (NNA, NML)	10102 4MUAA
Engine - Bare	1.5L VC-Turbo 3-cylinder engine - Rogue (NNA, NML)	10102 6RCAA
Engine - Bare	1.5L VC-Turbo 3-cylinder engine - Rogue (NNA)	10102 6RCAE
Engine - Bare	1.5L VC-Turbo 3-cylinder engine - Rogue (NNA)	10102 6RD0A
Engine - Bare	1.5L VC-Turbo 3-cylinder engine - Rogue (NNA)	10102 6RD1A
Engine - Bare	1.5L VC-Turbo 3-cylinder engine - Rogue (NNA)	10102 6RZ0A
Engine - Bare	2.0L VC-Turbo 4-cylinder engine - Altima, QX50, QX55 (NNA)	10102 5NA1A

3. Total Number of Vehicles Potentially Involved:

Approximately 443,899 vehicles may be affected as shown in the table below:

<b>Model Year / Model</b>	<b>Number of Vehicles</b>
MY 2022 INFINITI QX55	5,124
MY 2019 – 2022 INFINITI QX50	84,536
MY 2019 – 2020 Nissan Altima	5,685
MY 2021 – 2024 Nissan Rogue	348,554

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

The defect is estimated to be present in 1.2% of vehicles equipped with the 3-cylinder 1.5L (KR15DDT) VC-Turbo engine and 0.8% of vehicles equipped with the 4-cylinder 2.0L (KR20DDET) VC-Turbo engine.

5. Description of the Defect:

Nissan has identified bearing failures in certain vehicles equipped with the subject 3-cylinder 1.5L or 4-cylinder 2.0L variable compression turbo engine (VC-Turbo) engines. A potential manufacturing defect in specific engine bearings (main, A-, C-, and L-link) or supporting engine components may cause engine damage and potentially lead to engine failure.

Bearing failures are not typically instantaneous and tend to progress over time, allowing drivers to receive multiple forms of audible and visible advance warnings, including abnormal noise from the engine compartment, rough running, malfunction indicator lights (MIL), and warning messages in the instrument cluster. If the engine fails while driving, it can result in a loss of motive power (LOMP), increasing the risk of a crash.

6. Chronology of Principal Events:

Chronology will be supplemented.

7. Description of Corrective Action:

Dealers will be notified on July 15, 2025. Owners of all potentially affected vehicles will be notified beginning on August 25, 2025 to bring their vehicle to a Nissan dealer or INFINITI retailer for inspection.

Dealers will inspect the engine oil pan for the presence of specific metal debris. This inspection will be performed free of charge for parts and labor and should take less than one (1.0) hour to complete.

- For customers with the 3-cylinder 1.5L VC-Turbo engine, if no debris is detected during the inspection, dealers will replace the oil pan gasket, engine oil, and reprogram the vehicle's Engine Control Module (ECM). This repair will be performed free of charge for parts and labor and should take less than half of one (0.5) hour to complete.
- For customers with the 4-cylinder 2.0L VC-Turbo engine, if no debris is detected, dealers will replace the engine oil. This repair will be performed free of charge for parts and labor and should take less than half of one (0.5) hour to complete.
- In the case where specific debris is detected and confirmed by Nissan Powertrain Call Center, dealers will be instructed to replace the engine. This repair will be performed free of charge for parts and labor and may take up to fifteen (15) hours to complete.

Nissan will include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy since the subject vehicles are no longer under warranty.

8. Copy of Notices:

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