U.S. Department of Transportation

National Highway Traffic Safety Administration

Part 573 Safety Recall Report 25V437

Manufacturer Name: Nissan North America, Inc.
Submission Date: Dec 03, 2025
NHTSA Recall No.: 25V437
Manufacturer Recall No.: R25A8/A9 R25B1/B2/D1

Manufacturer Information

Manufacturer Name: Nissan North America, Inc.
Address: P. O. BOX 685001
Franklin TN, 37068-5009

Population

Total number of potentially involved: 443,899
Estimated percentage with defect: 1.2%

Vehicle Information

Vehicle 1: 2019-2022 INFINITI QX50
Product Category: Light Vehicles
Product Type:
Fuel / Propulsion: Compression Ignition Fuel
Production Dates: Oct 06, 2017 - Jan 10, 2022
Number of potentially involved: 84,536
Descriptive Information:

This issue 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.

Vehicle 2: 2022-2022 INFINITI QX55
Product Category: Light Vehicles
Product Type: Multipurpose Passenger Vehicle
Fuel / Propulsion: Compression Ignition Fuel
Production Dates: Feb 10, 2021 - Jan 10, 2022
Number of potentially involved: 5,124
Descriptive Information:

This issue 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

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specified production periods for the models listed above. No other Nissan or INFINITI vehicles are affected.

Vehicle 3: 2021-2024 NISSAN ROGUE

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Mar 12, 2021 - Aug 01, 2024

Number of potentially involved: 348,554

Descriptive Information:

This issue 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.

Vehicle 4: 2019-2020 NISSAN ALTIMA

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: May 25, 2018 - Dec 11, 2019

Number of potentially involved: 5,685

Descriptive Information:

This issue 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.

Defect / Noncompliance Description

Description of the defect or noncompliance:

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.

FMVSS1:

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FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

If the engine fails while driving, it can result in a loss of motive power (LOMP), increasing the risk of a crash. In certain rare cases, a bearing failure may cause a breach in the engine block, allowing hot oil to be discharged, increasing the risk of an engine fire.

Description of the cause:

Identification of any warning that can occur:

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.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name: Nissan North America

Address:

Country:

Involved Components

Component Name 1: Engine - Bare

Component Description: 1.5L VC-Turbo 3-cylinder engine - Rogue (NNA, NML)

Component Part Number: 10102 4MUAA

Component Name 2: Engine - Bare

Component Description: 1.5L VC-Turbo 3-cylinder engine - Rogue (NNA, NML)

Component Part Number: 10102 6RCAA

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Component Name 3: Engine - Bare
Component Description: 1.5L VC-Turbo 3-cylinder engine - Rogue (NNA)
Component Part Number: 10102 6RCAE

Component Name 4: Engine - Bare
Component Description: 1.5L VC-Turbo 3-cylinder engine - Rogue (NNA)
Component Part Number: 10102 6RD0A

Component Name 5: Engine - Bare
Component Description: 1.5L VC-Turbo 3-cylinder engine - Rogue (NNA)
Component Part Number: 10102 6RD1A

Component Name 6: Engine - Bare
Component Description: 1.5L VC-Turbo 3-cylinder engine - Rogue (NNA)
Component Part Number: 10102 6RZ0A

Component Name 7: Engine - Bare
Component Description: 2.0L VC-Turbo 4-cylinder engine - Altima, QX50, QX55 (NNA)
Component Part Number: 10102 5NA1A

Chronology

September 2023 through October 2023 - Nissan reviewed and responded to NHTSA's questions regarding certain VOQs and field reports of alleged engine failure without ability to restart in vehicles equipped with either the 3-cylinder 1.5L or 4-cylinder 2.0L variable compression ratio turbocharged "VC-Turbo" engine. Nissan shared its assessment of progressive bearing failures with advance notice of the need to service the engine prior to any loss of motive power, as well as Nissan's on-going monitoring and investigations to ensure quality and customer satisfaction.

December 13, 2023 - NHTSA opened a Preliminary Evaluation (PE23-023) "Complete Loss of Motive Power Due to Engine Failure" based on 6 VOQs and multiple field reports for MY21-23 Nissan Rogue, MY19-21 Nissan Altima, and MY19-21 INFINITI QX50 vehicles equipped with the subject engines.

February 2024 through April 2024- Nissan reviewed and responded to PE23-023 information requests explaining its determination the allegations of loss of motive power which required engine replacement did not pose an unreasonable risk to safety for several reasons:

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1) First, bearing seizures are the end result of a process that must progress over time, with various warnings (i.e. noise, rough running/vibration, MIL, etc.) to the driver well before a loss of motive power would occur.

2) Second, the trend of field data has a distinct decreasing trend for both 3-cylinder 1.5L and 4-cylinder 2.0L VC Turbo engines.

3) Finally, out of a total of 1,012 unique VINs among the subject vehicles involving claims of the Alleged Defect, Nissan had received zero (0) reports of accidents, injuries, or fatalities.

Nissan was continuing to repair engines under warranty, monitor field reports, and pursue quality improvements to ensure customer satisfaction.

April 29, 2024 through May 14, 2024, Nissan reviewed and responded to NHTSA's request to expand its previous response to include additional field data related to allegations of "reduced or limited instances of loss of motive power and engine replacement." The supplemental data included zero (0) reports of accidents, injuries, or fatalities.

May 2024 through April 2025 – Nissan continued its investigation, identified certain production processes that could potentially contribute to bearing failure, and developed software to improve detection logic and warning messaging for potentially affected Nissan vehicles equipped with 3-cylinder 1.5L VC Turbo engines. Additionally, Nissan planned to conduct a customer service campaign to inspect and, if necessary, replace subject engines exhibiting bearing failure, and also to extend the limited warranties for subject engines from 5 years/60,000 miles for Nissan and 7 years/70,000 miles for INFINITI to 120 months/120,000 miles, whichever comes first.

May 1, 2025 – Nissan presented the service campaign and warranty extension plans to NHTSA.

May 14, 2025 – NHTSA requested vehicle records related to a field report concerning a MY23 Nissan Rogue fire. Nissan's prior investigation had determined the incident was caused by improper maintenance and was not related to the subject condition.

May 20, 2025 - NHTSA requested Nissan provide further responses to the PE23-023 information requests to include updates to field data and to add reports involving an alleged fire as defined in 49 C.F.R. 579.4.

June 12, 2025 – NHTSA requested Nissan to expand its response to the information request to include reports of alleged fire as defined in 49 C.F.R. 579.4 for INFINITI QX55 vehicles equipped with the subject engine.

June 19, 2025 - In the interest of Nissan's longstanding commitment to a proactive and collaborative relationship with our regulators, Nissan decided to conduct a Safety Recall Campaign rather than a service campaign for the potentially affected vehicles.

June 23, 2025 - Nissan responded to the updated PE23-023 information request. Nissan has received a total of 1,830 3-cylinder 1.5L and 524 4-cylinder 2.0L VC Turbo engine warranty claims between December 2018 and April 2025 potentially related to the subject condition. Nissan identified four (4)

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reports of thermal events that appeared to be related to the subject condition. As of May 20, 2025, Nissan has received zero (0) reports of accidents, injuries, or fatalities.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Inspect, Repair

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Owners of all potentially affected vehicles were mailed an interim notification letter which included instructions to contact a Nissan/INFINITI dealer for inspection if their vehicle is experiencing unusual engine noises, rough engine performance, illumination of the malfunction indicator light (MIL), or warning messages displayed in the instrument cluster.

• For affected Altima vehicles equipped with the 2.0L VC-Turbo 4-cylinder engine, owners of all potentially affected Altima vehicles were notified to bring their vehicle to a Nissan dealer for inspection and, if necessary, repair. Nissan dealers have been instructed to inspect the engine oil pan for the presence of specific metal debris.
o If no debris is detected during inspection, dealers will replace the engine oil. This service, which will be conducted at no charge for parts and labor, should take less than one (1.0) hour to complete.
o If specific debris is detected and confirmed, dealers will replace the engine. This repair, which will be conducted at no charge for parts and labor, may take up to fifteen (15) hours to complete.

• For affected Rogue vehicles equipped with the 3-cylinder 1.5L VC-Turbo engine, in January 2026, owners of all potentially affected Rogue vehicles will be notified to bring their vehicle to a Nissan dealer for inspection and, if necessary, repair. Nissan dealers will reprogram the Engine Control Module (ECM) and conduct an inspection and test drive. This service, which will be conducted at no charge for parts and labor, should take up to one (1.0) hour to complete. In certain cases, the dealer may be required to also inspect the engine oil pan for the presence of specific metal debris. If the inspection determines an engine replacement is necessary, the Nissan dealer will proceed with replacing the engine. This repair, which will be conducted at no charge for parts and labor, may take up to fifteen (15) hours to complete.

• For affected Infiniti QX55 and QX50 vehicles equipped with the 2.0L VC-Turbo 4-cylinder engine, in January 2026, clients will be notified to bring their vehicle to an INFINITI retailer for inspection and, if necessary, repair. INFINITI retailers will be instructed to inspect the engine oil pan for the presence of specific metal debris.
o If no debris is detected during inspection, retailers will replace the engine oil. This service, which will be conducted at no charge for parts and labor, should take less than one (1.0) hour to complete.
o If specific debris is detected and confirmed, retailers will be instructed to replace the engine. This repair, which will be conducted at no charge for parts and labor, may take up to fifteen (15) hours to complete.

How remedy component differs from recalled component:

Identify how/when recall condition was corrected in production:

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Reimbursement Plan

Description of reimbursement program:
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.

Period of reimbursement:

Costs to be reimbursed:

Address for reimbursement claims:

Recall Schedule

Description of recall schedule:

Dealers received a preliminary announcement of this recall on July 2, 2025, followed by a notification on July 15, 2025. Dealers were provided remedy status updates on August 15, 2025. On August 25, 2025, owners of all potentially affected vehicles were mailed an interim notification letter which included instructions to contact a Nissan/INFINITI dealer for inspection if their vehicle is experiencing unusual engine noises, rough engine performance, illumination of the malfunction indicator light (MIL), or warning messages displayed in the instrument cluster.

• For affected Altima vehicles equipped with the 2.0L VC-Turbo 4-cylinder engine, dealers were notified of the remedy on November 6, 2025, and beginning November 12, 2025, owners of all potentially affected Altima vehicles were notified to bring their vehicle to a Nissan dealer for inspection and, if necessary, repair.

• For affected Rogue vehicles equipped with the 3-cylinder 1.5L VC-Turbo engine, dealers were notified of the remedy for MY2024 vehicles on November 8, 2025, for certain MY2021-2023 vehicles on November 14, 2025, and the remaining MY 2021 – 2023 vehicles on November 21, 2025. In January 2026, owners of all potentially affected Rogue vehicles will be notified to bring their vehicle to a Nissan dealer for inspection and, if necessary, repair.

• For affected Infiniti QX55 and QX50 vehicles equipped with the 2.0L VC-Turbo 4-cylinder engine, retailers will be notified of the remedy on December 4, 2025. In January 2026, clients will be notified to bring their vehicle to an INFINITI retailer for inspection and, if necessary, repair. I

Planned Dealer Notification Date: Jul 02, 2025 - Nov 14, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: Aug 25, 2025 ☐ No Owners

Planned Remedy Owner Notification Date: Nov 06, 2025 - Dec 04, 2025 ☑ Phased Recall

Date when VIN will be searchable: Aug 25, 2025