



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
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Franklin, TN 37068

December 17, 2021

Mr. Jeff Giuseppe
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 Mr. Giuseppe:

We are transmitting the enclosed supplement to the Defect Information Report filed on October 26, 2021. This supplement clarifies/updates sections 2, 6 and 7: Vehicles Potentially Involved, Chronology of Principle Events and Description of Corrective Action, respectively.

Very truly,

A handwritten signature in black ink, appearing to read "Derek Latta".

Derek Latta
Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan North America, Inc., Smyrna Plant

2. Vehicles Potentially Involved:

Certain Model Year 2017-2019 Nissan Rogue Hybrid vehicles manufactured in the Smyrna, TN plant from July 26, 2016 to December 15, 2018 (End of Production).

Based on production records, this issue is unique to certain Nissan Rogue vehicles models equipped with a hybrid powertrain produced at the Smyrna plant. The defect (described in Section 5 below) is unique to these models and dates of manufacture; no other Nissan or INFINITI vehicles are affected.

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

<u>Part Name</u>	<u>Part Description</u>	<u>Part Number(s)</u>
HARNESS-ENGINE ROOM	Engine Room Harness	24012 6FM0C

3. Total Number of Vehicles Potentially Involved:

Approximately 5,905 Nissan Rogue Hybrid vehicles may be affected.

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

Approximately 0.003%.

1% is used here because submission within NHTSA's safety portal will not allow a value under 1%.

5. Description of the Defect:

On certain Rogue Hybrid vehicles, the engine harness may contact the Electronic Control Module (ECM) bracket. Due to the interference from the wire routing, the engine harness may become damaged. Over time, the damage to the harness may cause a short circuit, which can lead to a blown fuse. If this occurs, it may

disable drive power to the engine and electric motor, without the ability to restart. With a potential loss of drivetrain power, the customer may experience an engine stall while driving, increasing the risk of a crash.

6. Chronology of Principal Events:

In summer 2018, Nissan received two (2) reports of engine stall with harness damage that occurred in June and July, respectively, in the Japanese market. The incident parts were collected and subsequent analysis showed damage to the wire harness had occurred. Nissan judged these to be isolated incidents.

In early January 2020, a field incident occurred in Japan that appeared to be related to engine wire harness damage. Nissan launched an investigation which indicated possible vibration while driving may have caused the wire harness to potentially interfere with the Engine Control Unit (ECU) bracket. The investigation resulted in Nissan implementing a production countermeasure in August 2020 to add an engine wire harness protector to prevent potential harness interference with the ECU bracket.

August 2020 through March 2021 – Nissan performed a large-scale investigation across multiple markets and manufacturing plants to determine susceptibility to engine wire harness damage. The interference appeared to be related to the harness routing in the engine bay that could vary according to several factors. However, the issue appeared to be specific to Rogue Hybrid vehicles only, due to unique layout.

April 2021 through June 2021 – Nissan focused its investigation on failure mode testing which revealed that damage to the harness that affected the main supply power line could potentially disable drive power to the engine while driving in certain scenarios.

July 2021 through October 2021 – Nissan performed a safety assessment on the various failure modes to evaluate the potential conditions that could result in a power shutdown of the hybrid powertrain. The assessment confirmed that under specific conditions, certain engine wire harness damage could disable both the engine and electric motor while driving; possibly causing a stall condition to occur. Concurrently, Nissan conducted a warranty review to determine if there were any incidents in other markets. Nissan identified zero (0) warranty claims related to the subject condition in the U.S. market.

October 19, 2021 – Based on the foregoing investigation and safety assessment, Nissan decided to conduct a safety recall campaign to remedy potentially affected vehicles in the U.S.

7. Description of Corrective Action:

Dealers were notified on October 27, 2021. Owners of all potentially affected vehicles will be notified beginning on December 15, 2021, to bring their vehicle to the dealer for repair. Dealers will install a harness protector cover on the engine harness to prevent damage.

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

8. Copy of Notices:

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