



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

September 22, 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 amendment to the Defect Information Report submitted on September 7, 2022. This amendment updates sections 1, 2, 3, 4, 6 and 7: Manufacturer, Vehicles Potentially Involved, Total Number of Vehicles Potentially Involved, Percentage of Vehicles Estimated to Actually Contain the Defect, Chronology of Principle Events and Description of Corrective Action, respectively.

Very truly,

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

Will Swindell
Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan North America, Inc., Canton plant
Nissan Motor Co., Tochigi plant

2. Vehicles Potentially Involved:

Certain Nissan Titan and Frontier vehicles manufactured in the Canton, MS plant and Z vehicles manufactured at the Tochigi, Japan plant shown in the table below.

<u>Model</u>	<u>Dates of Manufacture</u>
MY 2020-2023 Nissan Titan	December 13, 2019 to August 24, 2022
MY 2020-2021 Nissan Frontier	June 10, 2020 to June 25, 2021
MY 2022 Nissan Frontier	July 13, 2021 to August 11, 2022
MY 2023 Nissan Z	January 27, 2022 to August 29, 2022

This issue (as described in Section 5 below) is specific to Nissan Titan, Frontier and Z vehicles equipped with 9-speed transmissions and produced during the above production dates.

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

<u>Part Name</u>	<u>Part Description</u>	<u>Part Number</u>
Automatic Transmission	CASE-AUTO TRANS	31311 X280A

The name and address of the (Tier 1) transmission supplier is:

JATCO
1974 Midway Lane
Smyrna, TN 37167

Takayasu Monzai
(248) 563-6727
Email: tmonzai@jatco-usa.com

3. Total Number of Vehicles Potentially Involved:

Approximately 197,230 vehicles may be affected as shown in the table below:

<u>Model Year / Model</u>	<u>Number of Vehicles</u>
MY 2020-2023 Nissan Titan	57,624
MY 2020-2021 Nissan Frontier	52,216
MY 2022 Nissan Frontier	87,158
MY 2023 Nissan Z	232

The recall population above includes 180,176 MY20-22 Nissan Titan and Frontier vehicles that are also subject to Recall 22V-457.

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

0.11%; 1% is used here because submission within NHTSA's safety portal will not allow a non-numeric value.

5. Description of the Defect:

Resistance between the parking rod and wedge inside of the transmission housing may inhibit movement of the wedge and parking pawl. If the parking pawl does not engage, an affected vehicle may move after placing the shifter into 'Park.' If the customer does not engage the parking brake, potential for movement of the vehicle increases the risk of injury or crash.

6. Chronology of Principal Events:

June 24, 2022 - Nissan initiated Recall 22V-457 for MY2020-2022 Nissan Titan and Frontier vehicles manufactured from December 13, 2019 to June 14, 2022 due to potential non-engagement of the parking pawl caused by contact between the edge of the parking pawl and the boss on the transmission case.

July 2022 - Nissan received a report from the Canton, MS plant that a MY2022 Nissan Frontier vehicle produced after June 14, 2022 moved after being place in the 'Park' position. Nissan investigated the incident and collected the transmission for further study. Nissan sent the transmission to the supplier (JATCO) for investigation.

August 2022 - JATCO conducted duplication testing to recreate the condition and additional parts were sent for analysis. Nissan received initial feedback from JATCO that this issue appeared to be different than recall 22V-457. At this stage of the investigation, the

issue appeared to be related to insufficient lifting force of the parking pawl, due to friction between the parking rod and parking wedge.

In an abundance of caution, on August 24th and 29th, Nissan initiated, then expanded, a quality hold on all MY2020-2023 Titan and Frontier vehicles and MY2023 Z pending investigation. A stop shipment from the Canton, MS plant was also implemented on August 25th. Nissan conducted a plant audit and identified 11 out of 83 vehicles with the subject condition.

September 1, 2022 – Nissan decided to conduct a recall campaign for MY20-23 Titan and Frontier vehicles due to the safety risk of a potential rollaway condition after parking the vehicle. Nissan’s investigation was ongoing, and the final recall remedy was still under development.

Nissan was not aware of any confirmed field incidents to date related to the subject condition.

September 22, 2022 – Nissan decided to recall MY2023 Z vehicles with the 9-speed Automatic Transmission which may also be potentially affected by this issue. Nissan also determined, based on further review of production and distribution records, that all potentially affected MY2023 Frontier vehicles had been successfully contained at the plant and will be remedied prior to shipment.

7. Description of Corrective Action:

Nissan will notify all owners of affected vehicles beginning on October 21, 2022 and concluding October 28, 2022.

Dealers will receive notification of the removal of the MY23 Frontier population and the remedy schedule for MY23 Titan and MY22 Frontier on September 22, 2022. Dealers will receive notification of the addition of MY23 Z population and remedy on September 24, 2022. Nissan is continuing to develop remedy timeline for all affected models by October 2022 and will provide dealer notification of the remedy as the updated software is ready for implementation.

Based on the vehicle, dealers will perform the applicable repairs below free of charge for parts and labor:

- Model Year 2020-2022 Frontier vehicles: reprogram Transmission Control Module (TCM)
- Model Year 2020-2022 Titan vehicles: reprogram TCM and Engine Control Module (ECM)
- Model Year 2023 Titan vehicles: reprogram TCM
- Model Year 2023 Z vehicles: reprogram TCM

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.