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**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 June 24, 2022 and amended on June 30, 2022. This amendment updates sections 2, 4 and 7: Vehicles Potentially Involved, Percentage of Vehicles Estimated to Actually Contain the Defect 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

2. Vehicles Potentially Involved:

The production period of affected vehicles involved is shown in the table below. Note, not all VINs in the production range are affected by this issue.

| <b><u>Model</u></b>          | <b><u>Dates of Manufacture</u></b> |
|------------------------------|------------------------------------|
| MY 2020-2022 Nissan Titan    | December 13, 2019 to June 10, 2022 |
| MY 2020-2021 Nissan Frontier | June 10, 2020 to June 25, 2021     |
| MY 2022 Nissan Frontier      | July 13, 2021 to June 14, 2022     |

This issue (as described in Section 5 below) is specific to Nissan Titan and Frontier vehicles equipped with 9-speed transmissions produced during the periods above. No other Nissan or INFINITI vehicles are affected.

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

| <b><u>Part Name</u></b> | <b><u>Part Description</u></b> | <b><u>Part Number</u></b> |
|-------------------------|--------------------------------|---------------------------|
| 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 180,176 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 2020-2022 Nissan Titan        | 56,189                           |
| MY 2020-2022 Nissan Frontier     | 123,987                          |

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

1%. The estimated percentage of vehicles involved with defect is 0.03%; 1% is used here because submission within NHTSA's safety portal will not allow a non-numeric value.

5. Description of the Defect:

Due to dimensional variation during the manufacturing process, reduced clearance may cause contact between the edge of the parking pawl and the boss on the transmission case, which may result in non-engagement of the parking pawl. If this occurs, 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:

In June 2021, Nissan received a field incident alleging a MY2020 Frontier vehicle began to move after being shifted into 'Park.' The dealer was unable to duplicate the concern. The transmission was collected and sent to the supplier (JATCO) for analysis. JATCO could not duplicate the customer claim and found no problem. Nissan believed this was an isolated incident based on supplier analysis and conclusion.

In Fall of 2021, Nissan received additional warranty claims related to certain Frontier and Titan vehicles, reporting potential vehicle movement after being placed into 'Park.' Nissan initiated a returned part investigation to further study the condition. During this time, Nissan also scrambled to investigate three (3) customer claims and collect incident transmissions. Nissan was unable to duplicate the condition in the field and continued to send collected parts to JATCO for further investigation. At the time, no accidents or injuries were reported.

January 2022 through February 2022 – Nissan expanded its investigation into warranty claims and any prior claims potentially related to Frontier and Titan vehicles moving while in 'Park.' On February 22, 2022, a VOQ was submitted to NHTSA alleging a MY2020 Nissan Frontier rollaway. Nissan collected the incident transmission and sent it to JATCO for testing. JATCO was unable to duplicate the incident.

March 2022 through April 2022 - Nissan continued to collect incident parts from the field and shipped the collected parts to the supplier for analysis. Nissan also initiated an additional scramble activity to secure a customer vehicle that was experiencing this transmission issue. JATCO's continued duplication testing was then able to duplicate the issue. Analysis of the incident conditions determined the potential for interference between

the parking pawl and the boss of the transmission case. This contact could potentially result in intermittent non-engagement of the parking pawl.

In late April, Nissan initiated a design assessment to analyze the scope of the issue in either a two-wheel drive (2WD) or four-wheel drive (4WD) system. On April 26, 2022, NHTSA requested additional information from Nissan's investigation regarding the February 22, 2022 VOQ.

May 2022 through June 2022 – Nissan completed its design assessment and concluded that both 2WD and 4WD vehicles could potentially experience the intermittent, non-engagement of the parking pawl condition.

June 16, 2022 – Nissan decided to conduct a recall campaign due to the safety risk of a potential rollaway condition after parking the vehicle.

Nissan is aware of four (4) allegations of minor injury.

7. Description of Corrective Action:

Nissan sent a preliminary notification of recall to Dealers on June 30, 2022. Dealers were notified on July 8, 2022 of the issue and affected VINs. On July 29, 2022 Dealers were notified of targeted remedy timeline and certain parts availability to replace the parking pawl pin.

Owners of all potentially affected vehicles received an interim notification beginning on July 20, 2022 and ending on August 20, 2022. The interim notification letters advised customers to apply the parking brake whenever they park their vehicles.

Owners will receive a final invitation to repair notification beginning in late November 2022. The letter will instruct owners to schedule an appointment with a Nissan dealer to have the transmission parking pawl pin replaced free of charge.

Nissan will include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy for any subject vehicle that was no longer under warranty at the time of a repair.

8. Copy of Notices:

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