

Part 573 Safety Recall Report

22V-693

Manufacturer Name : Nissan North America, Inc.**Submission Date :** APR 12, 2023**NHTSA Recall No. :** 22V-693**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Nissan North America, Inc.

Address : P. O. BOX 685001

Franklin TN 37068-5009

Company phone : 800-647-7261

Population :

Number of potentially involved : 20,040

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2021 Nissan Versa

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : This issue is specific to Nissan Versa and Kicks vehicles produced on a specific production line during the specified production period. No other Nissan or INFINITI vehicles are affected.

Production Dates : JUL 19, 2021 - SEP 27, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2021 Nissan Kicks

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : This issue is specific to Nissan Versa and Kicks vehicles produced on a specific production line during the specified production period. No other Nissan or INFINITI vehicles are affected.

Production Dates : JUL 19, 2021 - SEP 27, 2021

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : In some of the affected vehicles, an intermittent electrical connection in the electric power steering (EPS) torque sensor can disable the EPS assist. In the event of an EPS failure, a Power Steering Warning Light will illuminate in the instrument cluster to alert the driver and the steering system will default to manual steering mode. The mechanical steering linkage is maintained at all times.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Even though the mechanical steering linkage is maintained at all times, the loss of EPS will require higher steering effort, especially at low speeds, which may increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : There is no preceding warning.

Involved Components :

Component Name 1 : COLUMN ASSY - STEERING

Component Description : Upper Steering Column

Component Part Number : 48810-5EE0A

Supplier Identification :

Component Manufacturer

Name : JTEKT AUTOMOTIVE MEXICO

Address : Avenida Montecillo #100 Parque Industria
Villa de Pozos Foreign States 78423

Country : Mexico

Chronology :

December 2021 - Nissan opened an investigation a field incident alleging sudden loss of EPS assist, on a Model Year 2021 Nissan Versa vehicle. This incident appeared to be similar to an incident that occurred in Mexico market on a Nissan Kicks in September 2021. Nissan launched an investigation, together with the supplier, into the issue.

January 2022 – During the investigation, it was unclear if this was the same issue that caused the EPS failure in Mexico market. In order to better understand the issue, Nissan launched a dealer action on January 31, 2022 to collect parts. In parallel, Nissan launched a study to investigate the effect of EPS loss on steering effort.

February 2022 – As part of the study, Nissan collected 7 parts for analysis. Initial examination pointed to a potential issue with the torque sensor.

March 2022 through May 2022 – The supplier's investigation confirmed poor weld penetration at the terminal

within the torque sensor that may have led to a disconnection of the terminal welds within the affected steering column torque sensor. The supplier worked to identify the potentially affected population based on internal production records. The supplier identified lot codes for potentially affected torque sensors.

Nissan initiated a pre-delivery inspection on in-transit vehicles and within dealer inventory to check for the potentially affected torque sensors. These parts were collected and sent to the supplier for analysis.

June 2022 through August 2022 – Nissan worked with the supplier to identify potentially affected vehicles.

September 8, 2022 – In an abundance of caution, Nissan decided to conduct a Voluntary Safety Recall Campaign to inspect all potentially affected vehicles and replace the steering column if an affected lot code is identified on the torque sensor.

Description of Remedy :

Description of Remedy Program : The dealer will inspect the steering column torque sensor lot code and replace the steering column assembly as needed. All inspections and repairs will be performed free of charge for parts and labor.

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.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Dealers will be notified beginning September 16, 2022. Owners of all potentially affected vehicles will be notified beginning on November 9, 2022, to bring their vehicle to the dealer for repair.

Planned Dealer Notification Date : SEP 16, 2022 - NR

Planned Owner Notification Date : NOV 09, 2022 - NR

* NR - Not Reported