

# Part 573 Safety Recall Report

# 17V-571

**Manufacturer Name :** Nissan North America, Inc.**Submission Date :** SEP 15, 2017**NHTSA Recall No. :** 17V-571**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 : 814

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2017-2017 Infiniti Q50

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The issue is unique to the subject vehicles that have been equipped with Daicel driver air bag inflators produced during a specific time period.

Production Dates : DEC 22, 2016 - JAN 19, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2017-2017 Infiniti Q50 Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The issue is unique to the subject vehicles that have been equipped with Daicel driver air bag inflators produced during a specific time period.

Production Dates : DEC 28, 2016 - JAN 09, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The driver air bags in the subject vehicles may have been equipped with out-of-specification inflators manufactured by Daicel. Specifically, the inflators may contain insufficient welds between the (second stage) initiator collar and closure plate which could cause a crack to form along the weld during deployment, allowing gas to escape from the initiator housing.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : As a result of the condition, affected driver air bag assemblies may not deploy properly in the event of a crash, which can increase the risk of injury to the front driver seat occupant.

Description of the Cause : NR

Identification of Any Warning  
that can Occur : NR

## Supplier Identification :

### Component Manufacturer

Name : Daicel Corporation

Address : 805 Umaba Ibogawa-cho, Tatsuno-shi  
Hyogo FOREIGN STATES 671-1681

Country : Japan

## Chronology :

April 2017 – Nissan received a report from its supplier (Nihon Plast) regarding an improper air bag deployment during a low temperature test (-40 degrees Celsius). An investigation into this test result revealed a crack in the subject inflator welding. Based on this result, Nissan requested that Nihon Plast contain the affected parts while an investigation to determine the root cause was conducted.

May 2017 – Nissan held meetings with the affected suppliers (Nihon Plast and Daicel) to identify the root cause of the weld issue and subject inflator production range. A supplier process audit identified insufficient cleaning and inspection of the weld jig resulted in mis-alignment of the closure plate and poor laser welding.

During this time, Nissan was not aware of any incidents that were attributable to the subject condition.

June 2017 through July 2017 – Nissan requested that Daicel conduct duplication testing to understand the mechanism of incident and further study this issue. A parts collection activity was also conducted to analyze sample parts.

Nissan met with Daicel to review the test results and the preliminary findings concerning the inflator's welding strength.

August 2017 - Nissan validated the root cause of the affected vehicle range in accordance with the supplier's information and production data. Nissan also studied whether there was a potential unreasonable risk to safety based on test data.

September 7, 2017 – Nissan decided to conduct a recall to replace the subject inflators.

## Description of Remedy :

Description of Remedy Program : Nissan will not include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy as the subject vehicles are under warranty.

How Remedy Component Differs from Recalled Component : Part Name: AIR BAG INFLATOR KIT  
Part Description: INFLATOR KIT-AIR BAG, DRIVER  
Part Number: K85607993D

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

## Recall Schedule :

Description of Recall Schedule : Nissan plans to notify dealers on September 15, 2017 and will notify all affected owners beginning October 30, 2017 to bring their vehicle into a Nissan dealer.

Planned Dealer Notification Date : SEP 15, 2017 - NR

Planned Owner Notification Date : OCT 30, 2017 - NR

\* NR - Not Reported