

Part 573 Safety Recall Report

16V-485

Manufacturer Name : Nissan North America, Inc.**Submission Date :** JUN 27, 2016**NHTSA Recall No. :** 16V-485**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 : 1,522

Estimated percentage with defect : 3 %

Vehicle Information :

Vehicle 1 : 2016-2016 Nissan Sentra

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The issue is unique to the subject vehicles that are equipped with the affected engine room harnesses, produced during the specific time periods shown above.

Production Dates : APR 11, 2016 - APR 23, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2016-2016 Nissan Sentra

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The issue is unique to the subject vehicles that are equipped with the affected engine room harnesses, produced during the specific time periods shown above.

Production Dates : APR 11, 2016 - APR 26, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Due to a Tier 2 supplier error that has since been corrected, an oversized continuity check pin was used by the supplier at a final inspection station, causing a permanent shape change to one of the engine room harness terminal pins. As a result, the shape of the affected terminal pin is too large to maintain a secure connection to the Engine Control Unit (ECU), resulting in poor continuity.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If this condition occurs, a potentially inadequate connection between the engine room harness terminal and the ECU may cause a no start condition or the engine may stop while the vehicle is in motion; which may increase the risk of a crash. Air bag functionality is unaffected, even if the engine stops running.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Arnecom S.A. de C.V.

Address : Av. Rómulo Garza No. 300, Col. Tacuba
San Nicolás de los Garza, Nuevo Leon FOREIGN STATES 66470

Country : Mexico

Chronology :

Late April 2016 – A vehicle exhibited a no start condition at the post assembly inspection. Nissan immediately began an investigation into the cause of the condition.

The initial investigation showed a terminal pin issue. Nissan contacted the engine room harness supplier Yazaki about the issue and requested a supplier investigation to determine the root cause and scope of the issue. Nissan also requested that the supplier study the outflow of potentially affected parts.

April 22, 2016 – The Yazaki investigation identified an oversized diameter continuity check pin was used at a final inspection station, causing a permanent shape change to one of the engine room harness terminal pins. This caused the pin shape to become too large to maintain a secure connection to the ECU, resulting in poor continuity. The supplier stopped shipment of engine room harnesses to Nissan and implemented quality control measures to prevent recurrence of the issue.

May 2016 through June 2016 – Yazaki conducted an engine room harness audit of 387 vehicles in containment and identified 13 affected parts. Nissan worked together with the supplier to further analyze and understand whether this issue only occurs at engine start up, or if it could possibly occur while driving.

In addition, Nissan investigated the affected vehicle population ranges at both the Aguascalientes, Mexico plants to determine if there was any outflow to dealers. During this time period, Nissan also actively monitored field information and did not identify any field incidents attributable to the subject condition.

June 20, 2016 – Nissan determined that as a result of this condition, the engine could stop running while the vehicle is in motion. While Nissan is not aware of any engine stop incidents attributable to this issue, out of an abundance of caution, Nissan decided to conduct a safety recall campaign.

Description of Remedy :

Description of Remedy Program : Owners of all potentially affected vehicles will be notified to take their vehicle to a Nissan dealer. The dealer will replace the affected terminal pin in the engine room harness at no cost to the owner.

We 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 : NR

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

Recall Schedule :

Description of Recall Schedule : Nissan plans to notify dealers on June 28, 2016 and will notify all affected owners within 60 days of DIR submission to bring their vehicle into a Nissan dealer.

Planned Dealer Notification Date : JUN 28, 2016 - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported