

# Part 573 Safety Recall Report

# 16V-527

**Manufacturer Name :** Nissan North America, Inc.**Submission Date :** JUL 08, 2016**NHTSA Recall No. :** 16V-527**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 : 1,140

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2012-2013 Infiniti M35 Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : No other Infiniti (or Nissan) vehicles are affected by this issue because the affected hybrid powertrain control module programming is unique to this model and dates of manufacture.

Production Dates : MAR 23, 2010 - SEP 09, 2013

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : M35 Hybrid vehicles are equipped with a hybrid powertrain system. In the event of a cooling system malfunction resulting in a system overheat condition, a warning telltale will illuminate to warn the driver. If the warning lamp is ignored and the vehicle continues to be operated for a prolonged period of time, the hybrid powertrain control module logic will shut off the engine, as designed, to prevent damage, resulting in an engine stop.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event that the engine stops while driving, the brake and steering systems remain operational, allowing the customer to stop the vehicle safely. However, if the engine stops while the customer is driving, it may increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : A warning telltale illuminates to alert the driver.

## Supplier Identification :

### Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

## Chronology :

Early April 2016 - Nissan began investigating several field reports in foreign markets involving Infiniti M35 hybrid vehicles that experienced engine shut off while the vehicle is in motion. Nissan initiated a review of field data in U.S. market to determine whether there were any incidents attributable to the issue.

April 2016 through May 2016 – Nissan found only one (1) incident of engine stop in the U.S. market after review of the field data. Separately, Nissan confirmed that under certain conditions, a malfunction in the hybrid cooling system could cause the engine to overheat. Under this condition, a telltale warning lamp will illuminate to notify the operator of the system malfunction. However, if the warning is ignored, and the vehicle continues to be operated for a prolonged period of time, the hybrid powertrain control module logic on the subject vehicles is designed to shut off the engine, to prevent damage to the engine.

June 2016 – While Nissan believes the telltale warning lamp adequately warns vehicle operators of the overheat condition and even though Nissan is only aware of one (1) incident of engine shut off attributable to this issue in the U.S. market, out of an abundance of caution, Nissan decided to conduct a Safety Recall Campaign and is reporting in accordance with the defect notification requirements specified in 49 CFR Part 573.

## Description of Remedy :

Description of Remedy Program : Owners of all affected vehicles will be notified to take their vehicle to an Infiniti retailer. The dealer will reprogram the software for the hybrid control module, automatic transmission control unit and inverter to include logic which will allow the engine to continue operating at reduced power in the event of a cooling system malfunction. This reprogram will be performed free of charge for the customer.

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 July 12, 2016 and will notify all affected owners within 60 days of DIR submission.

Planned Dealer Notification Date : JUL 12, 2016 - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported