

# NISSAN

**NISSAN NORTH AMERICA, INC.**

Corporate Headquarters  
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Franklin, TN 37068

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Franklin, TN 37068-5001

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09V-393  
(4 Pages)

October 1, 2009

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 Sir:

We are transmitting the enclosed Defect Information Report in accordance with 49 CFR Part 573. A voluntary regional recall campaign will be initiated and your office provided with the notices. Nissan plans to notify dealers by November 6, 2009 and begin owner notification on November 9, 2009. We will include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy.

Very truly,

A handwritten signature in cursive script that reads "John Gibbons".

John Gibbons  
Senior Manager,  
Technical Compliance

Encl.

## **DEFECT INFORMATION REPORT**

1. Manufacturer:

Nissan North America, Inc.

2. Vehicles Potentially Involved:

<b><u>Model</u></b>	<b><u>Dates of Manufacture</u></b>
MY 2008 Nissan Rogue	May 29, 2008 to July 3, 2009
MY 2009 Nissan Murano	May 29, 2008 to July 3, 2009
MY 2009 Nissan cube	February 10, 2009 to July 4, 2009
MY 2008, 2009 and 2010 Infiniti M35/45	April 14, 2008 to August 28, 2009

Vehicles manufactured before or after these dates are not affected because different materials were used for the nut. No other Nissan or Infiniti vehicle uses this type of nut.

The name and address of the manufacturer of the subject nut is:

Schrader-Bridgeport Inc.  
205 Frazier Road  
PO BOX 668  
Altavista, VA 24517  
Tel: (434) 369-4741  
Fax: (434) 369-6592

3. Total Number of Vehicles Potentially Involved:

Approximately 73,845 Nissan Rogue vehicles; 44,955 Nissan Murano vehicles; 15,225 Nissan cube vehicles; and 9,198 Infiniti M35/45 vehicles (143,223 total).

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

Unknown

## 5. Description of the Defect:

Material in the nut used to secure the sensor-transmitter of the Tire Pressure Monitoring System (TPMS) may corrode and potentially crack in areas with heavy concentrations of road salt. If this occurs, the nut may come out of the sensor-transmitter and the TPMS lamp will illuminate. If the TPMS lamp is disregarded and the vehicle continues to be driven in this condition, the tire will quickly lose air pressure at a consistent rate resulting in a flat tire.

## 6. Chronology of Principal Events:

February 2009: Nissan received a small number of warranty reports of a crack in the nut for a sensor-transmitter of TPMS in the affected vehicles from the field.

March 2009 – April 2009: Nissan began to study the cause and effects of the issue, assess the scope of vehicles that may be affected, obtain field sample parts, and analyze the field data.

May 2009 - June 2009: Nissan conducted macrostructure and microstructure examinations of the field returned parts and performed bench and corrosion/durability testing.

July 2009 - August 2009: The field data studies revealed a very low incident rate and indicated that the issue only occurred in heavily salted areas.

August 2009 - September 2009: A running test with an actual vehicle was conducted to study the effects of the issue.

September 25, 2009: Nissan determined that a potentially safety related defect exists and that a voluntary recall campaign should be conducted.

## 7. Description of Corrective Action:

Owners of vehicles in those states where heavy use of road salt can occur in the winter will be requested to take their vehicle to a Nissan or Infiniti dealer. These states include: Connecticut, Delaware, Iowa, Illinois, Indiana, Massachusetts, Maine, Maryland, Michigan, Minnesota, Missouri, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, Washington D.C., West Virginia and Wisconsin. The dealer will replace the TPMS nut with a new, more robust nut.

Although field, data, testing, and analysis indicates that this is only an issue in areas with heavy concentrations of road salt, owners of vehicles in those non-salt belt States that would like the TPMS nuts replaced on their vehicles will be able to do so pursuant to a service campaign that Nissan will conduct concurrently with this campaign.

8. Copy of Notices:

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