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By Recall Management Division at 9:48 am, Mar 06, 2012

**NISSAN**

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**NISSAN NORTH AMERICA, INC.**

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12V-088  
(3 Pages)

March 5, 2012

Ms. Nancy Lewis  
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 Madam:

We are transmitting the enclosed Defect Information Report in accordance with 49 CFR Part 573. A voluntary recall campaign will be initiated and your office provided with the notices. Nissan plans to notify dealers by March 9, 2012 and begin owner notification in mid April 2012. We will include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy.

Very truly,



John Gibbons  
Senior Manager,  
Technical Compliance

Encl.

## DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan Motor Co., Ltd.

2. Vehicles Potentially Involved:

Certain 2003 - 2004 Model Year Infiniti M45 vehicles.

3. Total Number of Vehicles Potentially Involved:

Approximately 8,120 vehicles manufactured from March 7, 2002 through June 3, 2004.

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

Unknown

5. Description of the Defect:

On some of the affected vehicles, heat generated by several components on the combination meter circuit board may cause solder cracks due to thermal shock. If the solder cracks, thereby creating an open circuit, the fuel gauge may read higher than the actual amount of fuel remaining in the gas tank or always indicate full. As a result of this condition, it is possible that the vehicle may run out of gas without notice.

6. Chronology of Principal Events:

December 14, 2011 NHTSA opened the Preliminary Evaluation ("PE") PE 11-038 for the subject condition and vehicles.

December 20, 2011– Nissan received an Information Request from NHTSA for the subject condition and vehicles. Upon receiving the IR, Nissan initiated an investigation of the subject condition and vehicles, which included field data analysis and a parts collection.

January 2012 through February 2012 – During the investigation, Nissan confirmed that the subject vehicles had an elevated number of warranty claims related to this issue prior to warranty expiration and high parts demand. However, Nissan did not have immediate access to the subject vehicles since they are out of production and did not have relevant parts on hand.

Once exemplar parts and vehicles were obtained, they were analyzed by Nissan to determine the scope and cause of the issue.

February 16, 2012 – Nissan submitted a partial response to the NHTSA Information Request.

February 28, 2012 - Nissan determined that a safety related defect exists and that a recall campaign should be conducted.

7. Description of Corrective Action:

Owners of the potentially affected vehicles will be notified to take their vehicle to an Infiniti dealer. The dealer will install a sub-amplifier in the combination meter to bypass the electric circuit which will ensure accurate fuel level indication.

8. Copy of Notices:

Copies of all notices, including customer notification letter, will be provided to NHTSA as they become available.