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DEFECTS INVESTIGATION  
RECALL MGMT DIV.

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**NISSAN NORTH AMERICA, INC.**

Corporate Headquarters  
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Nashville, TN 37201-1800

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Telephone: 615.725.3111

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June 24, 2008

Daniel Smith  
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 Mr. Smith:

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 July 14, 2008 and begin owner notification on July 28, 2008. We will include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy.

Very truly,

Frank D. Slaveter  
Senior Manager,  
Technical Compliance

Encl.

## **DEFECT INFORMATION REPORT**

1. Manufacturer:

Nissan North America, Inc.

2. Vehicles Potentially Involved:

2005-2006 Model Year Nissan Titan, Armada and Infiniti QX56 vehicles manufactured from March 17, 2005 to August 21, 2006 (end of production of Model Year 2006) and equipped with a 90-watt air conditioning condenser fan received by Nissan between March 17, 2005 and early August 2006.

2004 and 2005 Model Year Nissan Titan, Armada and Infiniti QX56 vehicles manufactured before March 17, 2005 are equipped with a different fan motor that is not subject to this campaign. However, it is possible that a limited number of these vehicles may have received the subject condenser fan as a service replacement part.

Vehicles manufactured after August 21, 2006 are equipped with a different fan motor and could not have received the subject condenser fan as a service replacement part.

No other Nissan or Infiniti vehicles are affected.

The condenser fan supplier is:

Visteon Corporation  
One Village Drive  
Van Buren Township, MI 48111

3. Total Number of Vehicles Potentially Involved:

Approximately 180,664 vehicles. This includes approximately 174,975 2005-2006 model year Nissan Titan, Armada and Infiniti QX56 vehicles equipped with the subject 90-watt air conditioning condenser fan. This also includes approximately 5,689 subject condenser fans, some of which may have been installed in 2004 and pre-March 17, 2005 model year Nissan Titan, Armada or Infiniti QX56 vehicles as a service replacement part.

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

#### 5. Description of the Defect:

The 90-watt air conditioning condenser fan motor in the subject vehicles was manufactured out-of-specification allowing for excessive water intrusion and inadequate drainage of moisture that may accumulate in the motor as a result of water intrusion or condensation. The amount of moisture accumulating in the motor will vary depending upon environmental conditions. If sufficient moisture accumulates in the motor without adequate drainage, corrosion may occur. In certain cases, corrosion can cause an increase in internal friction and an increase in the electrical current draw. Because of the motor's unique structure, this could cause an increase in the temperature of the motor that could melt its wiring insulation and other plastic components and form a gas. If two wires without insulation touch each other and create a spark, this gas could ignite and result in a fire.

#### 6. Chronology of Principal Events:

August 2007 – Nissan initiated an investigation after receiving reports regarding thermal incidents involving the air conditioning condenser fan on a subject vehicle. Nissan initiated an investigation to determine the cause.

August to September 2007 – Investigation of incident vehicles and parts was conducted.

Sept. 2007 to Feb. 2008 – Enhanced investigation continued, as inadequate information was available from incidents investigated.

Feb. 2008 to Apr. 2008 – In-use parts collection program of condenser fans was conducted to provide fan motors for more detailed analysis.

May 2008 – June 2008 – Enhanced investigation continued.

June 17, 2008 – Nissan determined that a safety related defect exists and that a recall campaign should be conducted.

#### 7. Description of Corrective Action:

Owners of all potentially affected 2005-2006 model year vehicles will be notified.

First, a special thermal protector kit will be installed on existing fans that will eliminate a potential for a fire to occur.

In addition to this corrective remedy, steps will be taken for owner satisfaction. To ensure that fan motor performance is not affected in the future, the air conditioning condenser fan motors will be tested for excessive internal friction. If there is evidence of excessive friction, the motor will be replaced with a new one (if a fan is replaced, the protector kit will not be needed).

With respect to owners of 2004 model year vehicles and 2005 model year vehicles manufactured before March 17, 2005 that may have received a service replacement part that is subject to this campaign, Nissan will notify these vehicle owners and provide an easy part identification procedure that they or their dealer can follow. Customers who have had the condenser fan motors replaced in their vehicles, and those who are not sure (because for example, they bought the vehicle used) will be asked to bring their vehicles in so that the campaign repairs be performed, as necessary.

8. Copy of Notices:

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