

NISSAN

RECEIVED
NVS-215
2003 NOV 17 P 3 21
OFFICE OF
DEFECTS INVESTIGATION

NISSAN NORTH AMERICA, INC.

Corporate Office
18501 South Figueras St.
Gardena, California 90248-4500
Mailing Address: P.O. Box 191
Gardena, California 90248-0191
Telephone: 310.582.3111

November 4, 2003

03V-455 ① of ③

Mr. Kenneth Weinstein
Associate Administrator for Safety Assurance
National Highway Traffic Safety Administration
400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Mr. Weinstein:

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 currently plans to begin owner notification in December 2003.

Very truly,



Frank D. Slaveter
Senior Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

03V-455 ② of ③

1. **Manufacturer:**

Nissan Motor Company, Ltd. and Nissan North America, Inc.

2. **Vehicles Potentially Involved:**

See following table. Vehicles manufactured before and after these dates are not affected. Other Nissan and Infiniti models do not use the same crank position sensor.

MODEL	MODEL YEAR	ENGINE	FROM	THROUGH
NISSAN ALTIMA	2002-3	QR25DE	June 1, 2001	June 30, 2002
NISSAN ALTIMA	2002-3	VQ35DE	June 1, 2001	June 30, 2002
NISSAN MAXIMA	2002-3	VQ35DE	July 1, 2001	June 30, 2002
NISSAN SENTRA	2000-3	QG18DE	January 1, 2000	June 30, 2002
NISSAN SENTRA	2000-3	QR25DE	September 1, 2001	June 30, 2002
NISSAN 350Z	2003	VQ35DE	April 1, 2002	June 30, 2002
INFINITI I35	2002-3	VQ35DE	July 1, 2001	June 30, 2002
INFINITI Q45	2002-3	VK45DE	January 1, 2001	June 30, 2002
INFINITI M45	2002-3	VK45DE	January 1, 2002	June 30, 2002
INFINITI G35	2003	VQ35DE	January 1, 2002	June 30, 2002
INFINITI G35 COUPE	2003	VQ35DE	June 1, 2002	June 30, 2002

3. **Total Number of Vehicles Potentially Involved:**

Approximately 630,000

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

Unknown

5. **Description of the Defect:**

The circuit board for the crank position sensor may have an improper solder joint due to solder deformation caused by heat stress accelerated by the existence of flux residue during the soldering process. This could cause the "service engine soon" warning light to come on, create a no start condition, cause reduced engine power, or cause the engine to stop running without warning during vehicle operation.

6. Chronology of Principal Events

November 16, 2001 – Nissan conducted a voluntary recall campaign (01V35700) for the sensors in question on the 2000-2001 model year Sentra. On these vehicles, the solder joint deformation was due to an insufficient heat process.

December 2002 – Nissan received a report regarding a sensor failure on a vehicle in Japan.

December 2002 – October 2003 – Nissan conducted an investigation to determine the cause of the subsequent sensor failure.

October 28, 2003 – Nissan determined that a safety related defect may exist and that a recall campaign should be conducted.

7. Description of Corrective Action:

Nissan plans to begin notifying owners of potentially affected vehicles in December 2003. Nissan will replace the crank position sensors. The vehicles involved in recall campaign 01V35700 will be included in this campaign because the replacement sensors used in that campaign are also affected.

8. Copy of Notices:

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