



U.S. Department
of Transportation
**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: RQ06-001
Date Opened: 02/22/2006 Date Closed: 07/18/2006
Principal Investigator: Derek Rinehardt
Subject: Engine Stall - Crank Position Sensor

Manufacturer: Nissan North America, Inc.
Products: 2003 Nissan Altima
Population: 186,279

Problem Description: Consumers are alleging engine stalls, with no or delayed restart, and reduced engine power.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	43	61	104
Crashes/Fires:	0	0	0
Injury Incidents:	0	0	0
# Injuries:	0	0	0
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	0	653	653

*Description of Other: Warranty claims.

Action: This Recall Query is closed. Recall 06V-242.

Engineer: Derek Rinehardt DR
Div. Chief: Jeffrey L. Quandt
Office Dir.: Kathleen C. DeMeter

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Summary: On June 28, 2006 Nissan submitted to the National Highway Traffic Safety Administration (NHTSA) a Part 573 Report advising that certain Model Year (MY) 2003 Nissan Sentra and Nissan Altima sedans equipped with 2.5L engines would be recalled to reprogram the Electronic Control Module (ECM). The recall is identified by NHTSA Recall No. 06V242. The subject populations of the recall are 14,587 Nissan Sentra vehicles and 186,279 Nissan Altima vehicles.

Nissan determined that the operation of the crank angle sensor in Altima and Sentra sedans equipped with a 2.5L engine was significantly affected by temperature variations due to the unique location of the sensor. Under certain driving conditions the temperature variations may cause a brief interruption in the signal output from the sensor. If the interruption is brief enough, such that the ECM logic does not have time to diagnose the condition, the engine may stop running while the vehicle is driven at a low speed.

As a remedy, Nissan will reprogram the BCM to prevent the stalling incidents due to signal interruptions from the crank angle sensor.

Additionally, as part of the Recall Query, Nissan was requested to provide complaint information for MY 2004 Altima for comparative purposes. Nissan has indicated to ODI that the scope of the recall is limited to the MY 2003 as comparatively, the MY 2004 complaint rate is substantially lower. ODI will continue to monitor the complaint rate of the MY 2004 Altima.

Accordingly the Recall Query is closed.

DR 7/18/06