



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

1200 New Jersey Avenue SE  
Washington, DC 20590

*November 16, 2007*

FRANK D. SLAVETER  
SENIOR MANAGER, TECHNICAL COMPLIANCE  
NISSAN NORTH AMERICA, INC.  
PO BOX 685001  
FRANKLIN, TN 37068-5001

NVS-215paw  
07V-527

Subject: CRANKSHAFT POSITION SENSOR/ENGINE STALL

Dear MR. SLAVETER:

This letter is to acknowledge your recent defect information report. Please review the following information to ensure that it conforms to your records as this information is being made available to the public. If the information does not agree with your records, please contact us immediately to discuss your concerns.

**Makes/Models/Model Years:**

NISSAN/ALTIMA/2002  
NISSAN/ALTIMA/2005-2006  
NISSAN/SENTRA/2002  
NISSAN/SENTRA/2005-2006

**NHTSA Campaign Number:** 07V-527

**Mfg's Report Date:** November 8, 2007

**Components:** ENGINE AND ENGINE COOLING

**Potential Number of Units Affected:** 653,910

**Summary:**

ON CERTAIN PASSENGER VEHICLES EQUIPPED WITH A 2.5L ENGINE, THE CRANKSHAFT POSITION SENSOR CAN OVERHEAT CAUSING A BRIEF INTERRUPTION IN THE SIGNAL OUTPUT FROM THE SENSOR.

**Consequence:**

IF THE INTERRUPTION IN THE SIGNAL FROM THE SENSOR IS SO BRIEF THAT THE ELECTRONIC CONTROL MODULE (ECM) LOGIC DOES NOT HAVE TIME TO DIAGNOSE THE CONDITION, THE ENGINE MAY STOP RUNNING WITHOUT WARNING WHILE THE VEHICLE IS DRIVEN AT A LOW SPEED INCREASING THE RISK OF A CRASH.

**Remedy:**

DEALERS WILL REPROGRAM THE ECM FREE OF CHARGE. CERTAIN MY 2006 ALTIMAS WHICH HAVE BEEN PREVIOUSLY REMEDIED UNDER RECALL CAMPAIGN 06V223 (NISSAN R0606) ARE NOT INCLUDED IN THIS RECALL SINCE THE REPROGRAMMING FOR 06V223 ALSO INCLUDED THIS REPROGRAMMING. THE RECALL IS EXPECTED TO BEGIN ON OR ABOUT DECEMBER 10, 2007. OWNERS MAY CONTACT NISSAN AT 1-800-647-7261.

**Notes:**

CUSTOMERS MAY ALSO CONTACT THE NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION'S VEHICLE SAFETY HOTLINE AT 1-888-327-4236 (TTY 1-800-424-9153), OR GO TO [HTTP://WWW.SAFERCAR.GOV](http://www.safercar.gov).

This recall was the subject of a Recall Query, RQ06-001, conducted by the Office of Defects Investigation.

Please provide the following additional information and be reminded of the following requirements:

You are required to submit a draft owner notification letter to this office no less than five days prior to mailing it to the customers. Also, copies of all notices, bulletins, dealer notifications, and other communications that relate to this recall, including a copy of the final owner notification letter and any subsequent owner follow-up notification letter(s), are required to be submitted to this office no later than 5 days after they are originally sent (if they are sent to more than one manufacturer, distributor, dealer, or purchaser/owner).

As stated in Part 573.7, submission of the first of six consecutive quarterly status reports is required within one month after the close of the calendar quarter in which notification to purchasers occurs. Therefore, the first quarterly report will be due on or before 30 days after the close of the calendar quarter.

Your contacts for this recall will be Pat Wallace or Delia Lopez, who may be reached by phone at 202-366-5232 or 202-366-9525 or by email at [Patricia.wallace@dot.gov](mailto:Patricia.wallace@dot.gov), [Delia.lopez@dot.gov](mailto:Delia.lopez@dot.gov), or through the office email at [RMD.ODI@dot.gov](mailto:RMD.ODI@dot.gov). We look forward to working with you for successful completion of this recall campaign.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Person". The signature is fluid and cursive, with a large initial "G" and "P".

George H. Person  
Chief, Recall Management Division  
Office of Defects Investigation  
Enforcement