



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

# ODI RESUME

Investigation: PE 06-016  
Date Opened: 05/04/2006  
Principal Investigator: Derek Rinehardt  
Subject: Crank Position Sensor Failure - Stall

Manufacturer: General Motors Corp.  
Products: MY 2001/02 Chevrolet and GMC 2500/3500 Series W/8.1 L engine  
Population: 150000 (Estimated)

Problem Description: Consumers are alleging sudden engine shutdown, with no restart or delayed restart.

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	11	0	0
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	0	0

\*Description Of Other:

Action: A Preliminary Evaluation has been opened.

Engineer: Derek Rinehardt DR 5/4  
Div. Chief: Jeffrey L. Quandt  
Office Dir.: Kathleen C. DeMeter

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Summary: The Office of Defects Investigation (ODI) has received 11 complaints of crank position sensor failure resulting in sudden engine stall while driving in certain gm vehicles equipped with 8.1L engines. Nine (9) of the 11 complaints have been filed since February of 2005.

In some cases, the complainants alleged that as result of the engine shutting down, the vehicle lost power steering and power brakes at highway speeds.

ODI has also received early warning reporting data that contain field reports describing replacement of the crank position sensors as remedies for no start or stalling conditions.

A Preliminary Evaluation has been opened to assess the scope, frequency, and potential safety consequences associated with the alleged defect.

FAXED 5/4/06  
DR