



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

# ODI RESUME

Investigation: PE 08-016  
Date Opened: 03/06/2008  
Principal Investigator: Derek Rinehardt  
Subject: Inadequate brake power assist

Manufacturer: General Motors Corp.  
Products: MY 2008 Pontiac Solstice and Saturn Sky w/Turbo engines  
Population: 20,000 (estimated)

Problem Description: Alleged inadequate brake power assist following cold start.

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	40		
Crashes/Fires:	1		
Injury Incidents:	0		
# Injuries:	0		
Fatality Incidents:	0		
# Fatalities:	0		
Other*:	0		

\*Description Of Other:

Action: A Preliminary Evaluation has been opened.

Engineer: Derek Rinehardt DR

Date: 03/06/2008

Div. Chief: Jeffrey L. Quandt

Date: 03/06/2008

Office Dir.: Kathleen C. DeMeter

Date: 03/06/2008

Summary: The Office of Defects Investigation (ODI) has received 40 complaints alleging inadequate brake power assist in model year (my) 2008 Pontiac Solstice and Saturn Sky vehicles with 2.0l turbo engines.

The complainants allege excessive brake pedal effort is required to stop the vehicle on initial applications following a cold start, typically in a driveway or parking lot. ODI is aware of one crash that may have resulted from the alleged defect.

The braking system in the subject vehicles uses the stability control module pump to boost hydraulic pressure at the wheels during conditions of low booster vacuum, such as during the engine warm up period. GM issued a Technical Service Bulletin (#07-05-25-007) in December 2007 releasing a revised calibration for the electronic brake control module to address complaints of extra effort to depress the brake pedal after the vehicle had not been operated for an extended period.

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