



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

# ODI RESUME

Investigation: EA 03-007  
Prompted By: PE03-001  
Date Opened: 05/06/2003  
Principal Investigator: CYNTHIA GLASS  
Subject: ENGINE STALL

Manufacturer: GENERAL MOTORS CORP.  
Products: 2002 GMC ENVOY W/ECAS, 2002 OLDSMOBILE BRAVADA  
Population: 55,111

Problem Description: Voltage from the electronically controlled air suspension (ECAS) degrades the performance of the power train control module (PCM) resulting in engine stall.


## FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	55	642	697
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

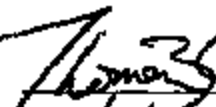
\*Description Of Other:

Action: This engineering analysis (EA) has been opened

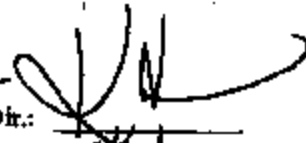
Engineer:

  
Date: 05/06/03

Div. Chief:

  
Date: 5/6/03

Office Dir.:

  
Date: 5/6/03

Summary: Of the 697 total complaints, 240 were received for the Envoy and 457 for the Bravada. GM has identified about 5,000 warranty claims related to stalling in the subject vehicles. GM reports that a transient voltage spike generated in the ECAS degrades the performance of the PCM resulting in engine stall. GM modified the ECAS wiring bundle and the PCM for vehicles built after December 6, 2001 to address the stalling problem.

5/7/03  
D