



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

ODI RESUME

Investigation: EA08-010
 Prompted By: PE08-010
 Date Opened: 06/12/2008
 Principal Investigator: Derek Rinehardt
 Subject: Non-Crash Engine Compartment Fires

Date Closed: 09/08/2008

Manufacturer: General Motors Corp.
 Products: MY 2007 - 2008 GMT900 Platform and MY 2006 - 2008 Hummer vehicles
 Population: 650,000 (estimated)

Problem Description: Alleging non-crash engine compartment fires originating in the windshield washer fluid heater module and occurring with the ignition key "on" or "off."

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	4	1	4
Crashes/Fires:	3	1	3
Injury Incidents:	0	0	0
# Injuries:	0	0	0
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	0	34	34

*Description Of Other: Warranty claim field returns involving windshield washer fluid heater module short circuits.

Action: This Engineering Analysis has been closed.

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

Date: 09/08/2008
 Date: 09/08/2008
 Date: 09/08/2008

Summary: In a letter dated August 27, 2008, General Motors Corp. (GM) notified NHTSA that it will conduct a safety recall (NHTSA Recall Number 08V-441) to address a safety related defect that can result in engine compartment fire in approximately 850,000 vehicles equipped with a heated windshield washer fluid option. The subject vehicles of this investigation comprise over three-quarters of the recall population.

According to GM, a short circuit on the printed circuit board for the windshield washer fluid heater module may overheat the control-circuit ground wire. This may cause other electrical features to malfunction, create an odor or cause smoke and in rare cases it may cause a fire. As a remedy, GM dealers will install a wire harness with an in-line fuse.

In addition to the subject vehicles, several other GM models with the heated windshield washer fluid option are included in Recall 08V-441: MY 2006-2008 Buick Lucerne (manufactured August 2005 through November 2007); MY 2008 Buick Enclave (manufactured February 2007 through April 2007); MY 2006-2008 Cadillac DTS (manufactured May 2007 through November 2007); MY 2007-

2008 Saturn Outlook (manufactured August 2006 through April 2007); and MY 2007-2008 GMC Acadia (manufactured August 2006 through April 2007) vehicles. GM is instructing owners to take their vehicle to a dealer for service if they experience symptoms of windshield washer heater module short circuits.

GM's recall resolves the safety defect concerns pursued by this investigation. This Engineering Analysis is closed.

#