



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

ODI RESUME

Investigation: EA 04-003
Prompted By: PE03-050
Date Opened: 02/03/2004 Date Closed: 04/23/2004
Principal Investigator: Chris Lash
Subject: Fuel rail leaks

Manufacturer: General Motors Corp.
Products: 1995-1997 GM Aurora, Seville, Deville, Eldorado
Population: 483477

Problem Description: Fuel rail cracks and leaks gasoline into the engine compartment.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	130	126	256
Crashes/Fires:	16	40	56
Injury Incidents:	0	4	4
# Injuries:	0	4	4
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	0	2472	2472

*Description of Other: Warranty claims related to fuel rail replacement.

Action: This Engineering Analysis is closed. Recall 04V-110.

Engineer: Christopher Lash *ash*
Div. Chief: Jeffrey L. Quandt
Office Dir.: Kathleen C. DeMeter

Date: 04/23/2004
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Summary: On March 3, 2004, General Motors notified ODI that it was recalling approximately 94,000 MY 1995-97 Oldsmobile Aurora vehicles equipped with 4.0L V8 engines (RPO L47 - VIN 8 "C") to address concerns with underhood fuel leakage from cracked fuel rails and, in some of the vehicles, cracked fuel return lines. According to GM, the nylon tubing (PA12) used in the fuel rail construction in these vehicles may degrade and crack. GM's supplier attributed the cracking to the combined effects of heat, time, alcohol fuel, fuel pressure cycling, and design stresses. In addition, GM stated that the MY 1995 Aurora uses a unique underhood fuel return line that may also crack at unusually high rates. GM dealers will install a new fuel rail constructed out of stainless steel in all of the recalled vehicles and will also install a revised chassis fuel return line in the my 1995 Auroras. On April 16, 2004, General Motors notified ODI that it was adding approximately 389,000 MY 1995-97 Cadillac Seville, Deville and Eldorado vehicles equipped with 4.6L V8 engines (RPO's LD8 and L37 - VIN 8 "Y" and "9") to recall 04V-110. The recalled Cadillacs will receive the new stainless steel fuel rails. This Engineering Analysis is closed.

MSJ
4-26-04