



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

ODI RESUME

Investigation: PE 05-052
Date Opened: 09/22/2005 Date Closed: 01/20/2006
Principal Investigator: Peter C. Ong
Subject: Sun Roof Glass Failure

Manufacturer: General Motors Corp.
Products: 2004 - 2005 Cadillac SRX with Ultraview sun roof
Population: 32,017

Problem Description: Alleged shattering of the glass sun roof while the vehicle was being driven.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	6	11	17
Crashes/Fires:	0	0	0
Injury Incidents:	3	6	9
# Injuries:	10	9	19
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	0	5	5

*Description of Other: Warranty claims related to issue

Action: Upgrade this investigation to an Engineering Analysis (EA)

Engineer: Peter C. Ong *pc*

Date: 01/20/2006

Div. Chief: Thomas Z. Cooper

Date: 01/20/2006

Office Dir.: Kathleen C. DeMeter

Date: 01/20/2006

Summary: of the 17 complaints, there were 9 injury incidents resulting in 19 individuals being injured. The injuries consist of cuts and scrapes to occupant's face, arm, hand or leg. Some injuries were the direct result of the falling glass fragments while other injuries occurred when occupants were exiting the vehicle or while handling the glass fragments. In addition, there were five warranty claims related to the issue for a total of 22 reports.

GM has not identified any manufacturing process or quality control issue with the movable sun roof/moon roof glass panel. They believe the most likely cause of the breakage is random stone or sharp debris impact to the glass roof structure.

ODI's analysis indicates that the number of incidents will continue to increase as MY 2006 vehicles are sold and put into service. The evidence indicates that the broken glass fragments will fall directly onto both the front and middle row seat occupants of these vehicles. These occurrences may pose a risk of driver distraction and/or occupant injury.

This investigation is being upgraded to an Engineering Analysis (EA06-001) to further assess this matter and will include MY 2006 SRX vehicles.