



ODI RESUME

U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

Investigation: EA08-012
Prompted By: PE08-017
Date Opened: 07/10/2008
Principal Investigator: Peter Ong
Subject: Air Bag Light Illumination

Manufacturer: Hyundai Motor Company
Products: 2001 – 2002 Hyundai Elantra Vehicles (built thru 12/14/01)
Population: 150,297

Problem Description: Air bag system failures from liquid spills and/or from loose wiring/connection located under front seat.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	29	472	501
Crashes/Fires:	2	20	22
Injury Incidents:	1	13	14
# Injuries:	2	13	15
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other:	2	9108	9110

Description of Other: 2 ODI/SCI fatal cases with prior air bag light on and 9,108 mfr warranty claims.

Action: Open this Engineering Analysis (EA).

Engineer: Peter C. Ong *PCO*

Date: 07/10/2008

Div. Chief: Thomas Z. Cooper

Date: 07/10/2008

Office Dir.: Kathleen C. DeMeter

Date: 07/10/2008

Summary:

In certain model year (MY) 2001 and 2002 vehicles, the air bag system is susceptible to air bag light illumination and air bag non-deployment or inadvertent deployment from liquid contamination of the air bag control module. The control module is located beneath and near center console cup holders. ODI is also aware of complaints regarding air bag light illumination due to loss of proper air bag electrical integrity in wiring and connections located under the front seats.

Under investigation PE08-017, Hyundai provided 472 owner reports and 9,108 warranty claims related to these issues for MY 2001 and 2002 vehicles built through 12/14/2001. ODI is also aware of six incidents of seat belt pretensioner/air bag inadvertent deployments due to liquid spills.

To address the above issues, on 04/25/2001, Hyundai added a carpet cover/shield over the air bag control module connector area and upgraded the cable routing and attachment points to improve the electrical connections on vehicles built after 12/14/2008.

This Engineering Analysis is opened to further study these issues.