



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

ODI RESUME

Investigation: BA 05-017
 Prompted By: PE04-080
 Date Opened: 10/28/2005
 Principal Investigator: Peter Kivett
 Subject: HUMMER H2 STEERING KNUCKLE FAILURES

Manufacturer: General Motors Corporation
 Products: General Motors Model Years 2003 - 2005 Hummer H2
 Population: 99,732

Problem Description: The steering knuckle fails resulting in a collapse of the front suspension system and/or wheel separation

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	7	19	24
Crashes/Fires:	7	19	24
Injury Incidents:	0	0	0
# Injuries:	3	0	3
Fatality Incidents:	0	0	0
# Fatalities:	0	0	0
Other*:	3	5	7

*Description Of Other: "Other" applies to tie rod end failures derived from ODI and GM complaints and warranty reports.

Action: An Engineering Analysis has been opened.

Engineer: Peter Kivett
 Div. Chief: Richard Boyd
 Office Dir.: Kathleen C. DeMeter

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Summary: ODI has been investigating Hummer H2's for failures of the front steering knuckle. When the knuckle lower boss fractures, the lower ball joint stud is released and the entire knuckle and wheel/tire assembly separates from the vehicle.

ODI is upgrading this investigation to gain a full technical understanding of the factors which contribute to these failures.

TKB
10/28/05