



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

ODI RESUME

Investigation: PE 08-032
Date Opened: 04/28/2008
Principal Investigator: Steve McHenry
Subject: Engine Stalling Fuel Pump Failure

Manufacturer: BMW of North America, LLC.
Products: 2007 BMW 3351
Population: 6,792 (Estimated)

Problem Description: Failure of the high-pressure fuel pump may result in engine stall.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	3		
Crashes/Fires:	0		
Injury Incidents:	0		
# Injuries:	0		
Fatality Incidents:	0		
# Fatalities:	0		
Other*:	8		

*Description Of Other: Reports of high-pressure fuel pump failure causing the vehicle to unexpectedly operate in limp mode.

Action: A Preliminary Evaluation has been opened.

Engineer: Steve McHenry SMH 4/29/08
Div. Chief: Jeffrey L. Quandt
Office Dir.: Kathleen C. DeMeter

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Summary: The 2007 BMW 335i vehicles are equipped with a high precision fuel injection system designed to allow precise metering of the fuel mixture and higher engine compression to increase engine and fuel efficiency. The system includes a standard in-tank fuel pump to deliver fuel to the engine and a high-pressure fuel pump driven by the oil pump chain drive assembly, which can achieve a maximum programmed fuel pressure of 200 bar.

ODI has received three owner complaints of stalling incidents in the subject vehicles due to failure of the high-pressure fuel pump. Additionally, ODI has received eight complaints alleging incidents of vehicles unexpectedly going into a limp mode because of high-pressure fuel pump failures.

A preliminary investigation has been opened to assess the scope, frequency and safety consequences of the alleged defect.