

ODI RESUME

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U.S. Department of Transportation	Date Opened: (PE 14-005)2/10/2014 Paul Simmons	Reviewer : Jeff	Quandt
National Highway Traffic Safety Administration	Approver: F	Frank Borris Brake booster failure		
MANUFACTURER & PRODUCT INFORMATION				
Manufacturer:	MAZDA MOTOR CORP			
Products:	2010-11 Mazda CX-9			
Population:	62,319 (Estimated)			
Problem Description: Owners allege incidents of hard brake pedal, increased brake effort, and reduced brake effectiveness.				
FAILURE REPORT SUMMARY				
		ODI	Manufacturer	Total
Complaints:		7	TBD	TBD

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Crashes/Fires:

Injury Incidents:

Number of Injuries:

Fatality Incidents:

Number of Fatalities:

A Preliminary Evaluation has been opened.

Summary:

Action:

The Office of Defects Investigation (ODI) has identified 7 complaints alleging incidents of unexpected loss of power assisted braking in model year (MY) 2010 through 2011 Mazda CX-9 vehicles. Complaints allege experiencing incidents of the brake pedal suddenly feeling hard requiring increased effort to stop the vehicle.

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ACTION / SUMMARY INFORMATION

ODI previously investigated brake master cylinder leakage in MY 2008 Mazda CX-9 vehicles in PE11-026. Mazda identified a manufacturing process concern with the master cylinder primary plunger surface finish, that may result in leakage from the master cylinder into the brake booster. Analysis of the complaint data found that the master cylinder leak condition was generally detected by illumination of the brake malfunction indicator lamp and identified only 9 reports alleging any effect related to brake pedal feel or brake effectiveness. The investigation was closed April 9, 2012, based on the extremely slow leak rate associated with the master cylinder condition, the declining failure trend and the low probability that the condition could affect brake performance.

In contrast to PE11-026, the complaints in the MY 2010 through 2011 Mazda CX-9 vehicles allege symptoms indicating possible loss of power assist to the brakes, including hard pedal, increased effort and reduced brake effectiveness. Several allege hearing a hissing noise during brake application.

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

The VOQs associated with the opening of this investigation are: 10523719, 10535301, 10535955 10546804, 10546841, 10493043, 10512943

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