

ODI RESUME

U.S. Department of Transportation	Investigation:	RQ 19-002		
	Date Opened:	05/10/2019		
	Investigator:	Frederick Lamance	Reviewer:	Jeff Quandt
National Highway	Approver:	Stephen Ridella		
Traffic Safety	Subject:	Loss of Brake Power Assist		
Administration				

MANUFACTURER & PRODUCT INFORMATION								
Manufacturer:	Mitsubishi Motors North America, Inc.							
Products:	2010-2017 Mitsubishi i-MiEV							
Population:	2,108 (Estimated)							
Problem Description:	The electric vacuum pump may fail while driving, resulting in a loss of power assisted braking.							
FAILURE REPORT SUMMARY								
		ODI	Manufacturer	Total				
Complaints:		3	TBD	TBD				
Crashes/Fires:		0	TBD	TBD				
Injury Incidents:		0	TBD	TBD				
Number of Injuries:		0	TBD	TBD				

ACTION / SUMMARY INFORMATION

TBD

TBD

0

0

Action: A Recall Query has been opened.

Summary:

Fatality Incidents: Number of Fatalities:

In 2013 and 2014, Mitsubishi conducted recalls 13V-031 (Mitsubishi SR-13-001) and 14V-522 (Mitsubishi SR-14-007) to address defect conditions that could result in an inoperable brake vacuum pump in certain model year (MY) 2012 (13V-031) or MY 2010 through 2014 (14V-522) Mitsubishi i-MiEV vehicles (subject recalls). Mitsubishi's recall submissions indicated that an inoperable brake vacuum pump may result in increased stopping distance which may increase the risk of a crash. The remedy for 13V-031 involved replacing the vacuum pump with a redesigned part. Depending on the affected vehicle, the remedy for 14V-522 involved reprogramming the EV-ECU, which controls the brake vacuum pump with a redesigned part (if necessary), or both.

From March 2018 through March 2019, the Office of Defects Investigation (ODI) received three complaints alleging loss of brake power assist due to vacuum pump failure in MY 2012 Mitsubishi i-MiEV vehicles. All three vehicles had the vacuum pumps replaced with countermeasure pumps in early-2013 under recall 13V-031 and also were subsequently remedied under 14V-522. The reported vacuum pump failures occurred approximately 5 to 6 years after the pump replacement repairs. A Recall Query has been opened to assess the failure frequency of the countermeasure vacuum pumps used as remedy parts in the subject recalls and as original equipment parts in subsequent production of Mitsubishi i-MiEV vehicles.

The following VOQ numbers are associated with this opening resume: 11078966, 11171175, 11187483.

TBD

TBD