U.S. Department of Transportation

National Highway Traffic Safety Administration

ODI RESUME

OFFICE OF DEFECTS INVESTIGATION

NHTSA

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Investigation: PE 12-022
Date Opened: 07/26/2012 **Date Closed:** 11/29/2012
Investigator: Kareem Habib **Reviewer:** Jeff Quandt
Approver: Frank Borris
Subject: Collision Mitigation System Malfunction

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Nissan North America, Inc.
Products: 2013 Nissan Infiniti JX35
Population: 13,906

Problem Description: Inappropriate autonomous brake application resulting from false surveillance of the vehicle's environment in the intelligent brake assist system.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	2	2	2**
Crashes/Fires:	0	0	0
Injury Incidents:	0	0	0
Fatality Incidents:	0	0	0

** Total eliminates duplicates received by ODI and manufacturer.

ACTION / SUMMARY INFORMATION

Action: This Preliminary Evaluation is closed.

Summary:

The Office of Defects Investigation (ODI) analyzed complaint data provided by Nissan as well as complaints submitted to ODI from consumers. In total, there were 2 unique reports alleging inappropriate autonomous brake activation while driving. During PE12-022, Nissan identified a condition in model year (MY) 2013 Infiniti JX 35 that may result in inappropriate autonomous activation of emergency breaking by the Intelligent Brake Assist (IBA). According to Nissan, unique road environment anomalies can affect proper IBA operation and may cause IBA activation where it is not needed. ODI investigators were able to replicate the anomaly and found IBA interventions are extremely brief and may interrupt travelling speeds but do not stop the vehicle.

Nissan developed a software countermeasure to address the condition and has initiated a customer satisfaction campaign to reprogram the Radar and Advanced Driver Assistance System (ADAS) control units on all affected vehicles. The bulletin was sent to dealers on August 10, 2012 and the owner letter mailing began on September 4, 2012. See the investigative file for copies of Nissan's bulletin and owner letter. The condition represents a low risk to motor vehicle safety and is adequately addressed by Nissan's service campaign. This preliminary evaluation is closed.

The ODI reports cited above can be viewed at www-odi.nhtsa.dot.gov/complaints under the following identification numbers (ODI Nos.): 10465524, 10466330