



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE 15-026
Date Opened: 06/22/2015
Investigator: Kareem Habib **Reviewer:** Jeff Quandt
Approver: Jeff Quandt
Subject: Brake Vacuum Pump Failure

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Ford Motor Company
Products: 2011-2012 Ford F-150 equipped with 3.5L GTDI engines
Population: 250,000 (Estimated)
Problem Description: Consumers allege multiple incidents of increased brake pedal effort at cold start and extended stopping distance while driving in traffic, resulting from failures of the electric brake vacuum assist pump with no warning indicators or diagnostic trouble codes.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	32	TBD	32
Crashes/Fires:	2	TBD	2
Injury Incidents:	0	TBD	TBD
Number of Injuries:	0	TBD	TBD
Fatality Incidents:	0	TBD	TBD
Number of Fatalities:	0	TBD	TBD

ACTION / SUMMARY INFORMATION

Action: A Preliminary Evaluation has been opened.

Summary:

The Office of Defects Investigation (ODI) has identified 32 complaints alleging electric vacuum assist pump failures resulting in loss of brake power assist and increased brake pedal effort in model year (MY) 2011-2012 Ford F-150 full-size pickup trucks equipped with 3.5L GTDI engine. None of the complaints reported any warning indicators to alert the driver of brake power assist loss or the potential of increased stopping distance. Two reports alleged crashes due to increased brake pedal effort required to stop or slow the vehicle. The complaints show an apparent increasing trend, with approximately 60 percent of complaints received within the past nine months.

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

The VOQs noted in the Failure Report are: 10723792, 10723033, 10721465, 10716441, 10713019, 10712465, 10706271, 10706217, 10700874, 10695537, 10678844, 10668069, 10666988, 10664415, 10662151, 10654472, 10650578, 10643075, 10640064, 10629319, 10621605, 10619545, 10617828, 10615536, 10610491, 10607811, 10605701, 10604687, 10575987, 10565994, 10554458, 10542098