



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

# ODI RESUME

**Investigation:** PE 13-018  
**Date Opened:** 05/22/2013  
**Investigator:** Derek Rinehardt                      **Reviewer:** Jeff Quandt  
**Approver:** Frank Borris  
**Subject:** Reduced power during hard acceleration

## MANUFACTURER & PRODUCT INFORMATION

**Manufacturer:** Ford Motor Company  
**Products:** 2011 - 2013 Ford F150 with 3.5L GTDI engine  
**Population:** 400,000 (Estimated)  
**Problem Description:** Complainants allege unexpected sharp reductions in engine power during hard accelerations at highway speeds, such as attempted merging or passing maneuvers.

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
<b>Complaints:</b>	95	TBD	TBD
<b>Crashes/Fires:</b>	0	TBD	TBD
<b>Injury Incidents:</b>	0	TBD	TBD
<b>Number of Injuries:</b>	0	TBD	TBD
<b>Fatality Incidents:</b>	0	TBD	TBD
<b>Number of Fatalities:</b>	0	TBD	TBD

## ACTION / SUMMARY INFORMATION

**Action:** A Preliminary Evaluation has been opened.

**Summary:**

The Office of Defects Investigation (ODI) has received 95 reports alleging incidents of reduced engine power during hard accelerations in model year (MY) 2011 through 2013 Ford F150 trucks equipped with 3.5L gasoline turbocharged direct injection (GTDI) engines. Ford has issued three technical service bulletins related to intermittent stumble/misfire on acceleration from highway cruise in humid or damp conditions in some MY 2011 and 2012 F150 vehicles equipped with 3.5L GTDI engines. The most recent bulletin, TSB 13-3-3, includes procedures for (1) diagnosing a condition related to moisture accumulation in the Charge Air Cooler (CAC) during extended highway cruising at constant throttle in humid or damp conditions; and (2) repairing the condition by reprogramming the powertrain control module with the latest calibration and installing a new CAC and air deflector plate. Approximately one-third of the reports received by ODI indicate that the incidents occurred while driving in humid or rainy conditions. Many complaints allege safety concerns associated with overtaking vehicles. No related crashes have been reported to ODI to date.

A Preliminary Evaluation has been opened to gather information to assess whether the subject vehicles contain a safety related defect.

**2011 – 2013 Ford F150  
Unexpected Reduction in Motive Power**

**The ODI complaints cited above can be viewed at [www-odi.nhtsa.dot.gov/complaints](http://www-odi.nhtsa.dot.gov/complaints) under the following identification numbers:**

10512361, 10512473, 10512204, 10512225, 10509838, 10509625, 10508479, 10505159, 10504895, 10504415, 10503441, 10503179, 10502362, 10502249, 10502074, 10501953, 10499948, 10499740, 10499669, 10499386, 10499487, 10499488, 10499380, 10499261, 10498369, 10496917, 10496460, 10495297, 10494890, 10492897, 10492208, 10492094, 10486724, 10486683, 10486138, 10485979, 10483294, 10482987, 10482665, 10482566, 10482565, 10481252, 10480796, 10480175, 10480044, 10479552, 10478858, 10478730, 10476830, 10475971, 10475444, 10474297, 10473719, 10470822, 10470344, 10470330, 10470129, 10469115, 10468842, 10465748, 10465631, 10464804, 10460736, 10460698, 10459365, 10459405, 10459488, 10459477, 10459379, 10454934, 10453990, 10452914, 10452909, 10452231, 10452116, 10450638, 10445175, 10444860, 10441950, 10512010, 10512028, 10512048, 10511144, 10512082, 10512098, 10512178, 10512180, 10512205, 10512221, 10512247, 10512252, 10512261, 10512445, 10509838, and 10512181.