



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE 12-016
Date Opened: 06/18/2012
Investigator: Kareem Habib
Approver: Frank Borris
Subject: Engine stall
Date Closed: 10/15/2012
Reviewer: Jeff Quandt

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: CHRYSLER GROUP LLC
Products: 2011 Chrysler 200 and Dodge Avenger with 3.6L engine
Population: 46,387
Problem Description: Engine stall at low speed or stopped with immediate restart, resulting from a malfunction in the evaporative emissions control system.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	25	146	161**
Crashes/Fires:	0	0	0
Injury Incidents:	0	0	0
Fatality Incidents:	0	0	0
Other*:	0	88	88

*Description of Other: Warranty claims related to engine stall.

** Total eliminates duplicates received by ODI and manufacturer.

ACTION / SUMMARY INFORMATION

Action: This Preliminary Evaluation is closed.

Summary:

During PE12-016, Chrysler identified a condition in model year (MY) 2011 Chrysler 200 and Dodge Avenger vehicles equipped with 3.6L engines that may result in engine stall when stopped or travelling at very low speeds. According to Chrysler, this condition occurs when the Powertrain Control Module (PCM) initiates a purge monitor check while the engine is at idle which can result in an overly rich vapor condition and cause the engine to stall while stopped. Chrysler developed a software countermeasure to address the condition and has initiated a customer satisfaction campaign to reprogram the PCM on all affected vehicles. The bulletin was sent to dealers on September 28, 2012 and the owner letter mailing began on October 5, 2012. See the investigative file for copies of Chrysler's bulletin and owner letter.

The Office of Defects Investigation (ODI) analyzed complaints related to engine stall that were provided by Chrysler or submitted to ODI from consumers. The predominant failure mode identified involved stalling when stopped or travelling at low speeds. The complaint counts shown in this resume include incidents in which enough detail was available to verify the symptoms were related to the defect condition identified by Chrysler. Two complaints alleged engine stall resulting in collisions, one involving very minor damage and one involving a single vehicle road departure crash in which the vehicle was totalled. In the first incident, the vehicle stalled while stopped at an intersection and rolled back into a following vehicle resulting in a minor scratch in the rear bumper. In the second incident, the vehicle was totalled from damage sustained from striking a tree after failing to negotiate a sharp turn in wet road conditions. The police report does not include any references to stalling as a cause or contributor, but cites excessive speed entering the turn. Although there was evidence or prior history with stalling when stopped, there is no evidence that

engine stall was a factor in the crash.

The condition that is causing the majority of stalling incidents in the subject vehicles occurs at a stop or very low speed and allows the vehicle to be restarted immediately. The condition represents a low risk to motor vehicle safety and is adequately addressed by Chrysler'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.):

10458865, 10458713, 10456385, 10456270, 10452622, 10452327, 10451870, 10451243, 10450745, 10450609, 10449370, 10448136, 10446374, 10443383, 10428753, 10463086, 10463085, 10462966, 10462908, 10462901, 10462851, 10462772, 10462720, 10462702, 10462691.