



U.S. Department  
of Transportation

**National Highway  
Traffic Safety  
Administration**

# ODI RESUME

**Investigation:** PE 11-005  
**Date Opened:** 02/15/2011  
**Investigator:** Kareem Habib  
**Approver:** Frank Borris  
**Subject:** Hybrid inverter failure - vehicle stall  
**Date Closed:** 07/20/2011  
**Reviewer:** Jeff Quandt

## MANUFACTURER & PRODUCT INFORMATION

**Manufacturer:** TOYOTA MOTOR CORPORATION  
**Products:** MY 2006-07 Toyota Highlander and Lexus RX400h HEV  
**Population:** 82,273  
**Problem Description:** Consumers have reported incidents of inverter failure while driving, resulting in vehicle stall with no restart.

## FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
<b>Complaints:</b>	51	349	400
<b>Crashes/Fires:</b>	0	0	0
<b>Injury Incidents:</b>	0	0	0
<b>Fatality Incidents:</b>	0	0	0
<b>Other*:</b>	0	878	878

\*Description of Other: Warranty claims indicating loss of motive power

## ACTION / SUMMARY INFORMATION

**Action:** This Preliminary Evaluation is closed. Safety recall 11V-342.

**Summary:**

In a June 29, 2011 letter to NHTSA, Toyota submitted a Defect Information Report regarding a safety recall of certain Toyota Highlander Hybrid and Lexus RX400h vehicles to address a defect condition with the hybrid inverter assembly (NHTSA Recall No. 11V-342). Toyota's letter identified a defect related to inadequately soldered transistors on the Intelligent Power Module (IPM) of some of the subject vehicles that could result in sudden loss of power while driving. Toyota's remedy procedure instructs dealers to inspect the hybrid inverter production number to determine if the inverter contains suspect transistors. If so, the dealer will replace the IPM. The recall covers approximately 45,528 model year (MY) 2006 and 2007 Toyota Highlander Hybrid vehicles manufactured from February 16, 2005 through August 29, 2006 and approximately 36,745 MY 2006 and 2007 Lexus RX400h vehicles manufactured from February 23, 2005 through August 30, 2006. This Preliminary Evaluation is closed.