



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: DP 19-004
Prompted by:
Date Opened: 09/30/2019
Investigator: Kareem Habib **Reviewer:** Jeff Quandt
Approver: Stephen Ridella
Subject: Brake Actuator Valve Wear

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Toyota Motor Corporation
Products: Certain MY 2010-2015 Toyota Prius/Camry HV/Avalon HV
Population: 1,120,300 (Estimated)
Problem Description: The brake actuator may experience solenoid valve wear, which may result in a progressive series of symptoms from excessive brake booster pump duty cycle to escalating levels of failsafe operation.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	0	TBD	TBD
Crashes/Fires:	0	TBD	TBD
Injury Incidents:	0	TBD	TBD
Number of Injuries:	0	TBD	TBD
Fatality Incidents:	0	TBD	TBD
Number of Fatalities:	0	TBD	TBD
Other*:	3	TBD	3

*Description of Other: Complaints filed by the petitioner.

ACTION / SUMMARY INFORMATION

Action: Open this Defect Petition for a grant or deny decision.

Summary:

On September 19, 2019, the Office of Defects Investigation (ODI) received a defect petition requesting that NHTSA investigate and recall approximately 1.1 million 2010-2015 Prius and Prius PHV, 2012-2014 Camry Hybrid and 2013-15 Avalon Hybrid vehicles for a brake actuator solenoid valve wear condition that is currently covered under Toyota Warranty Extension Programs ZJB and ZKK. The petitioner alleges that Toyota conducted safety recalls DOH and K0L (NHTSA recalls 13V-235 and 19V-544) to remedy safety defects in the same component covered by the warranty programs and that Toyota should also recall the subject vehicles. In addition, the petition identifies 117 NHTSA complaints allegedly related to the warranty program condition in the subject vehicles, including 60 reporting crashes.

The petitioner submitted three Vehicle Owner Questionnaires (VOQs) in support of the petition (VOQs 11256504, 11256517 and 11256523). Copies of the petition and supporting documents will be added to the public file for this defect petition evaluation and ODI will evaluate the petitioner's allegations to determine if the petition should be granted or denied.