

T-SB-0171-13 Rev1 November 18, 2013

MIL "ON" DTC P0A80 or P0A7F due to Dust or Debris in HV Battery Cooling Fan

Service Category Engine/Hybrid System

Section Hybrid/Battery Control System

Market USA

 Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2012 – 2014	Prius V	

REVISION NOTICE

April 11, 2014 Rev1:

- The Production Change Information section has been added.
- The Required Tools & Equipment and Repair Procedure sections have been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2012 – 2014 model year Prius V vehicles may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P0A80 or P0A7F stored due to dust or debris build-up in the HV Battery Cooling Fan. Use the following repair procedure to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VIN shown below.

MODEL	PRODUCTION CHANGE EFFECTIVE VIN
Prius V	4T1BD1FK#EU100781

Parts Information

CURRENT PART NUMBER	PART NAME	QTY
G92DH-47040	Filter, HV Battery Intake, No. 1	1
G9510-76010	Battery Assembly	1

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Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL1316	Clean HV Battery Cooling Fan, Replace HV Battery Assembly, and Install HV Battery Cooling Fan Intake Filter	2.6	G9510-76010	8A	99

APPLICABLE WARRANTY

- This repair is covered under the Toyota Hybrid System Warranty. This warranty is in effect for 96 months or 100,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
TIS Techstream		TSPKG1	
Techstream Lite		TSLITEDLR01	

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 9.00.026 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Electrical Insulating Gloves*	00002-03100-S (Small)	1
	00002-03200-M (Medium)	
	00002-03300-L (Large)	

CAUTION

Always inspect Electrical Insulating Gloves before use for cracks, ruptures, tears, pinholes, or damage. Do NOT wear if damaged.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

* Essential SST.

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Repair Procedure

1. Inspect the HV Battery Cooling Fan for dust or debris build-up.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- [2012](#) / [2013](#) / [2014](#) Prius V:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Removal”

Is the HV Battery Cooling Fan clogged with dust or debris build-up? Refer to Figure 1 for an example of a clogged cooling fan.

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Refer to TIS, applicable model and model year Repair Manual:

- [2012](#) / [2013](#) / [2014](#) Prius V:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Hybrid Battery System: P0A80-123: Replace Hybrid Battery Pack / P0A7F-123: Hybrid Battery Pack Deterioration”

Figure 1.



2. Using vacuum, and compressed air, if necessary, clean any dust, lint, or debris buildup from the HV Battery Cooling Fan blades, module, and ducts.

NOTICE

- Do NOT attempt to clean the HV Battery Cooling Fan while it is installed in the vehicle. Doing so may cause dust or debris to enter the HV Battery Case.
- Failure to secure the fan blades while cleaning can result in electronic circuit failure due to overturning.

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Repair Procedure (Continued)

3. Replace the HV Battery Assembly.

Refer to TIS, applicable model and model year Repair Manual:

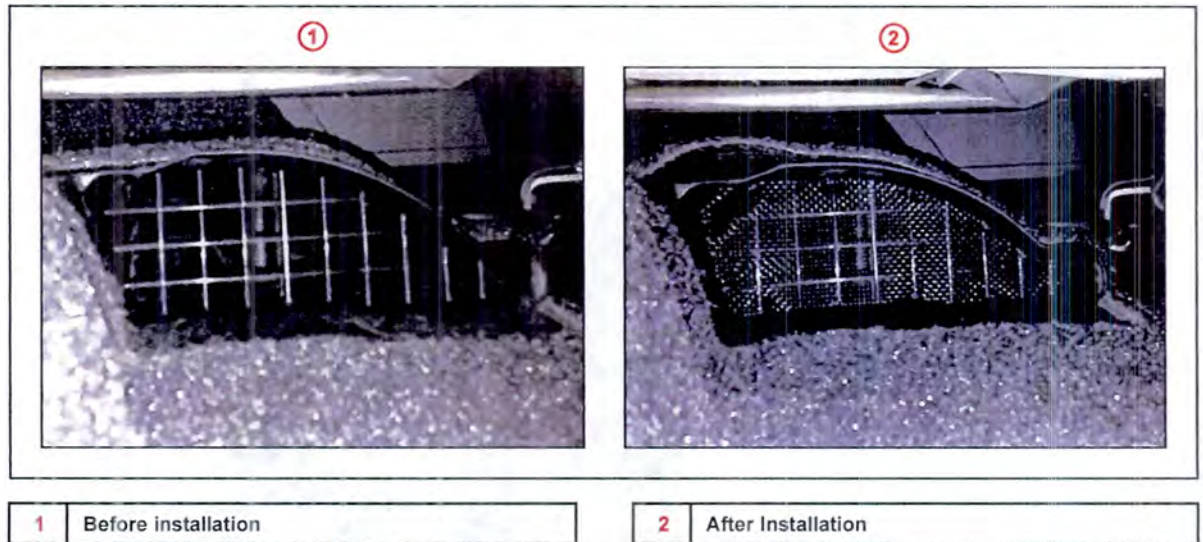
- [2012 / 2013 / 2014](#) Prius V:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: HV Battery: Removal”
- [2012 / 2013 / 2014](#) Prius V:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: HV Battery: Installation”

4. Install the HV Battery Cooling Fan Intake Filter as shown.

NOTE

The filter should be cleaned when dust begins to appear on the surface.

Figure 2.



5. Clear any DTCs that have set during the repair procedure and test drive the vehicle to confirm normal operation.
6. For severe usage vehicles, refer to Service Bulletin [T-SB-0162-13](#), “HV Battery Cooling Fan Maintenance for Severe Usage Vehicles,” for additional HV Battery Cooling Fan maintenance recommendations.