

MIL ON DTC P0A80 or P0A7F Due to Dust or Debris in the 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
2004 - 2009	Prius	

REVISION NOTICE

November 13, 2019 Rev2:

- The Warranty Information section has been updated.

July 02, 2019 Rev1:

- The Applicable Warranty section has been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2004 – 2009 model year Prius vehicles may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P0A80 or P0A7F stored due to dust or debris buildup in the HV battery cooling fan. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EL1312	Clean HV Battery Cooling Fan, Replace HV Battery Assembly, and Install HV Battery Cooling Fan Intake Filter	1.9	G9510-47031	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.
- For California specification Prius vehicles sold, registered, and operated in California, Connecticut (starting with 2005 model year), Maine, Massachusetts, New Hampshire (2005 – 2009 model year), New Jersey (starting with 2005 model year), New York, Oregon (starting with 2008 model year), Rhode Island (starting with 2005 model year), and Vermont, this repair is covered under the California Emission Warranty, which is in effect for 120 months or 150,000 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.

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Parts Information

PART NUMBER	PART NAME	QTY
G92DH-47020	Filter, HV Battery Intake, No. 1	1
G9510-47031	Battery Assy, HV Supply	1

Required Tools & Equipment

REQUIRED EQUIPMENT	QTY
Compressed Air or Vacuum	1

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVi*	ADE	TSADVUNIT	1
Techstream 2.0		TS2UNIT	
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 14.20.019 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
Insulated Glove Set, Rubber With Leather Protectors*	01413-00072 (Medium)	1
	01413-00073 (Large)	
	01413-00074 (Extra Large)	

*Essential SST.

CAUTION

ALWAYS inspect the insulated 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.

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Repair Procedure

1. Inspect the HV battery cooling fan for dust or debris buildup.

Refer to TIS, applicable model year Repair Manual:

- [2004](#) / [2005](#) Prius:
Engine/Hybrid System – Hybrid/Battery Control System – “Battery Blower Assy: Replacement”
- [2006](#) / [2007](#) / [2008](#) / [2009](#) Prius:
Engine/Hybrid System – Hybrid/Battery Control System – “P112 Hybrid Battery Control: Battery Blower: Removal”

Is the HV battery cooling fan clogged with dust or debris buildup as shown?

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Reinstall the filter screen assembly and troubleshoot the vehicle using the following applicable Repair Manual procedure.

Figure 1. Clogged Cooling Fan



Refer to TIS, applicable model year Repair Manual:

P0A80:

- [2004](#) / [2005](#) Prius:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid Battery System: P0A80 Replace Hybrid Battery Pack”
- [2006](#) / [2007](#) / [2008](#) / [2009](#) Prius:
Engine/Hybrid System – Hybrid/Battery Control System – “P112 Hybrid Battery Control: Hybrid Battery System: P0A80; Replace Hybrid Battery Pack”

P0A7F:

- [2004](#) / [2005](#) Prius:
Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid Battery System: P0A7F Hybrid Battery Pack Deterioration”
- [2006](#) / [2007](#) / [2008](#) / [2009](#) Prius:
Engine/Hybrid System – Hybrid/Battery Control System – “P112 Hybrid Battery Control: Hybrid Battery System: P0A7F; Hybrid Battery Pack Deterioration”

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Repair Procedure (continued)

2. Clean the dust and debris buildup from the HV battery cooling fan with compressed air and/or a vacuum.

NOTICE

Do NOT allow the cooling fan to spin freely during cleaning. This may damage the cooling fan motor.

3. Replace the HV battery assembly.

Refer to TIS, applicable model year Repair Manual:

- [2004](#) / [2005](#) Prius:

Engine/Hybrid System – Hybrid/Battery Control System – “HV Battery: Removal & Installation and Disassembly & Reassembly”

- 2006 Prius:

Engine/Hybrid System – Hybrid/Battery Control System – “P112 Hybrid Battery Control: HV Battery: [Removal](#) / [Installation](#)”

- 2007 Prius:

Engine/Hybrid System – Hybrid/Battery Control System – “P112 Hybrid Battery Control: HV Battery: [Removal](#) / [Installation](#)”

- 2008 Prius:

Engine/Hybrid System – Hybrid/Battery Control System – “P112 Hybrid Battery Control: HV Battery: [Removal](#) / [Installation](#)”

- 2009 Prius:

Engine/Hybrid System – Hybrid/Battery Control System – “P112 Hybrid Battery Control: HV Battery: [Removal](#) / [Installation](#)”

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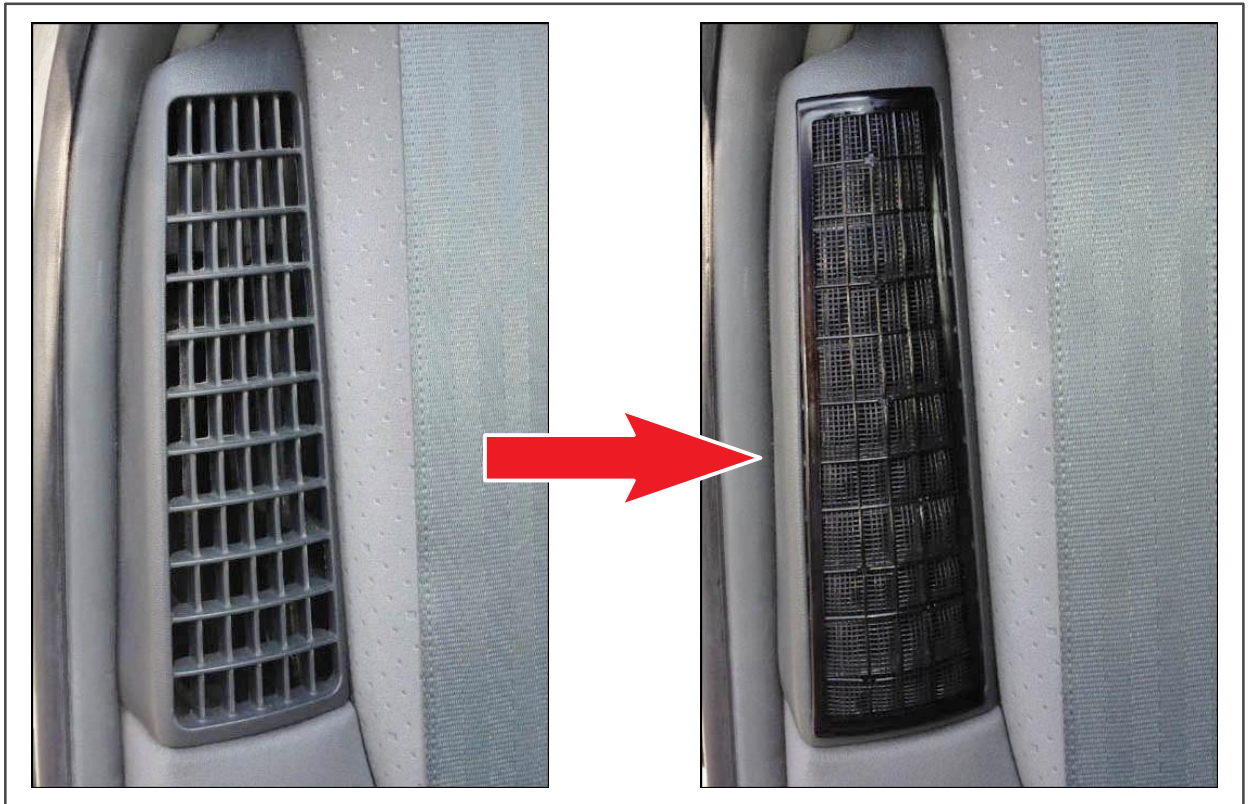
Repair Procedure (continued)

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-0098-13](#), *HV Battery Cooling Fan Maintenance for Severe Usage Vehicles*, for additional HV battery cooling fan maintenance recommendations.