

T-SB-0049-14

July 25, 2014

# 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
2013 – 2014	Camry HV	

## Introduction

Some 2013 – 2014 model year Camry HV 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 and/or internal HV cooling duct filter assembly. Follow the Repair Procedure in this bulletin to improve this condition.

## Production Change Information

This bulletin applies to vehicles produced **BEFORE** and **AFTER** the Production Change Effective VIN shown below:

MODEL	REPAIR PROCEDURE	VIN BREAK	PRODUCTION CHANGE EFFECTIVE VIN
Camry HV	A	Before	4T1BD#FK#EU100781
	B	On or After	

## Parts Information

PART NUMBER	APPLICABILITY	PART NAME	QTY
G92DH-33020	Before VIN Break	Filter, HV Battery Intake, No. 1	1
G92DH-33040	On or After VIN Break		
G9510-33050	All	Battery Assembly, HV Supply	1

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### Warranty Information

OP CODE	PROCEDURE	DESCRIPTION	TIME	OFF	T1	T2
EL1409	A	Clean HV Battery Cooling Fan, Replace HV Battery Assembly, Install HV Battery Cooling Fan Intake Filter	2.6	G9510-33050	8A	99
EL1410	B	Clean HV Battery Cooling Fan, Replace HV Battery Assembly, Clean or Replace HV Battery Cooling Fan Intake Filter	2.8			

#### 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 vehicles sold, registered, and operated in California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Rhode Island, and Vermont, this repair is covered under the California Emission Warranty. This warranty 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.

### Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Electrical Insulating Gloves*	<a href="#">00002-03100-S</a> (Small)	1
	<a href="#">00002-03200-M</a> (Medium)	
	<a href="#">00002-03300-L</a> (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

#### NOTE

There are 2 Repair Procedures for this condition depending on the VIN.

- Before VIN break, use procedure A.
- On or After VIN break, use procedure B.

Please confirm which repair applies to the vehicle you are working on by consulting the Production Change Information table.

### Repair Procedure A

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

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

- 2013 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: [Removal](#)”*
- 2014 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: [Removal \(08/2013 – 12/2013\)](#) / [Removal \(12/2013 – \)](#)”*

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

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Refer to TIS, applicable model and model year Repair Manual:

2013 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Hybrid Battery System: [P0A80-123; Replace Hybrid Battery Pack](#)”*

2014 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Hybrid Battery System: [P0A80-123; Replace Hybrid Battery Pack](#)”*

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### Repair Procedure A (Continued)

Figure 1.



2. Clean any dust, lint, or debris buildup from the HV battery cooling fan blades, module, and ducts using a vacuum and/or compressed air if necessary.

#### 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.
- Secure the fan blades from spinning while cleaning. Spinning the fan blades while cleaning can result in electronic circuit failure due to excessive fan blade speed.

3. Replace the HV Battery Assembly.

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

- 2013 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: HV Battery: [Removal / Installation](#)”*
- 2014 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: HV Battery: [Removal \(08/2013 – 12/2013\) / Removal \(12/2013 –\) / Installation \(08/2013 – 12/2013\) / Installation \(12/2013 –\)](#)”*

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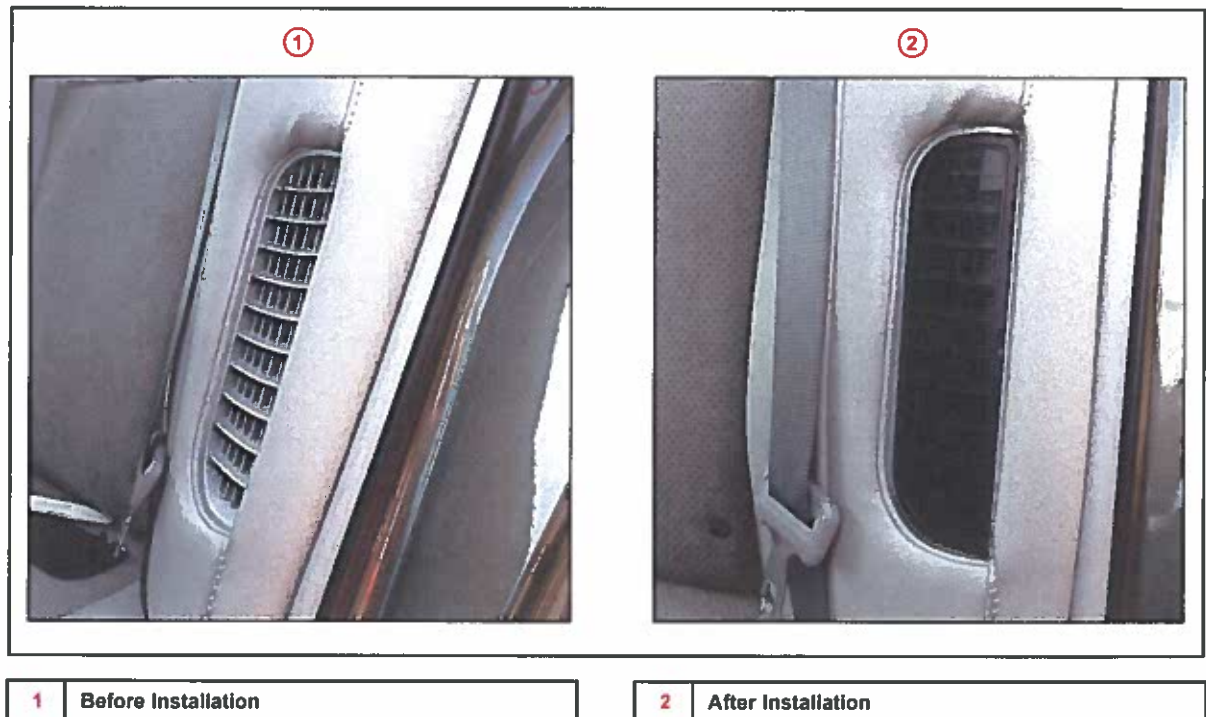
### Repair Procedure A (Continued)

4. Install the HV Battery Intake Filter No. 1 (P/N G92DH-33020) as shown.

**NOTE**

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

Figure 2.



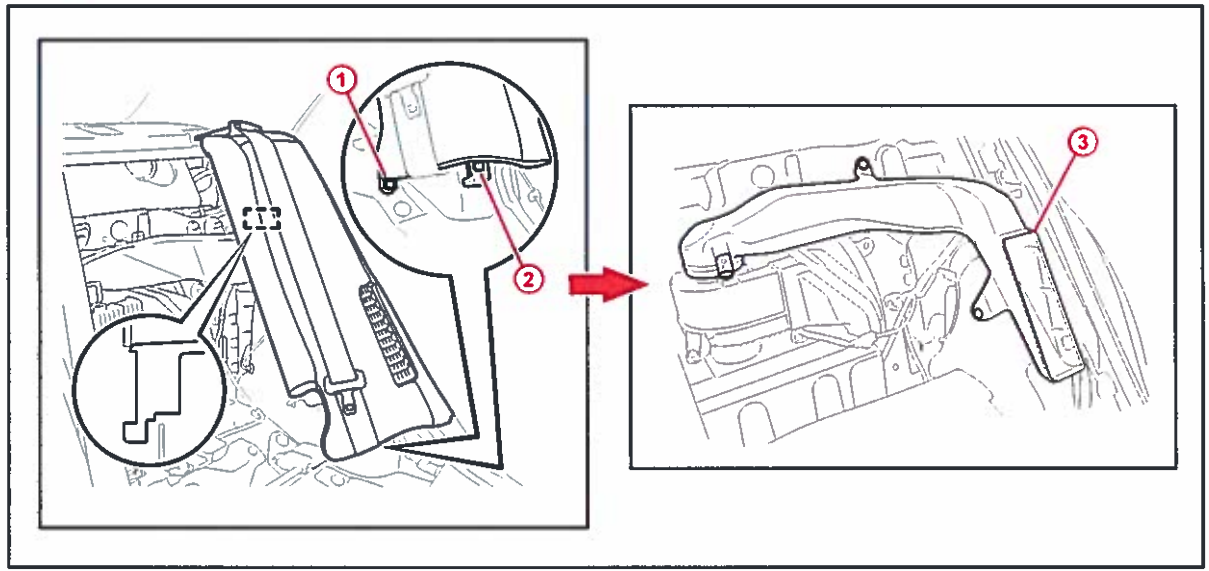
5. Clear any DTCs that have set during the repair procedure and test drive the vehicle to confirm normal operation.
6. For severe usage vehicles, refer to Service Bulletin [T-SB-0087-13](#), "HV Battery Cooling Fan Maintenance for Severe Usage Vehicles," for additional HV battery cooling fan maintenance recommendations.

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## Repair Procedure B

1. Is the internal filter clogged with dust or debris buildup?

Figure 3.



1	This Bolt Does Not Need to Be Removed
2	Remove This Bolt

3	Filter Installation Position
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**NOTE**  
 Seatback does NOT need to be removed though it's not shown in the Figure above.

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

2013 Camry HV:  
 Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Hybrid Battery System: [P0A80-123; Replace Hybrid Battery Pack](#)”

2014 Camry HV:  
 Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Hybrid Battery System: [P0A80-123; Replace Hybrid Battery Pack](#)”

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### Repair Procedure B (Continued)

#### NOTE

To inspect the internal filter, the rear side seatback assembly LH must be removed.

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

- 2013 Camry HV:  
*Vehicle Interior – Seat – “Seat: Rear Seat Assembly: [Removal](#)”*
- 2014 Camry HV:  
*Vehicle Interior – Seat – “Seat: Rear Seat Assembly: [Removal \(08/2013 – 12/2013\)](#) / [Removal \(12/2013 – \)](#)”*

2. Check the physical condition of the internal filter.
  - A. If the filter is damaged, replace the HV Battery Intake Filter No. 1 (P/N G92DH-33040).
  - B. If the filter is physically OK, clean using vacuum and make sure no contaminants enter the HV Battery cooling system including fan.

#### CAUTION

- Clean the HV battery intake duct No. 1 with vacuum. Do NOT use water or fluid when cleaning.
- Do not use a wire brush or a scrub brush for cleaning the HV Battery Intake Filter No. 1 due to a concern that the brush may damage the part.

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

- 2013 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: [Removal](#)”*
- 2014 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: [Removal \(08/2013 – 12/2013\)](#) / [Removal \(12/2013 – \)](#)”*

3. Replace the HV Battery Assembly.

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

- 2013 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: HV Battery: [Removal](#) / [Installation](#)”*
- 2014 Camry HV:  
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: HV Battery: [Removal \(08/2013 – 12/2013\)](#) / [Removal \(12/2013 – \)](#) / [Installation \(08/2013 – 12/2013\)](#) / [Installation \(12/2013 – \)](#)”*

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### Repair Procedure B (Continued)

4. Clear any DTCs that have set during the repair procedure and test drive the vehicle to confirm normal operation.
5. For severe usage vehicles, refer to Service Bulletin [T-SB-0087-13](#), "*HV Battery Cooling Fan Maintenance for Severe Usage Vehicles*," for additional HV battery cooling fan maintenance recommendations.