

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

Service Category Engine/Hybrid System

Section Hybrid/Battery Control System

Market USA



## Applicability

| YEAR(S) | MODEL(S) | ADDITIONAL INFORMATION |
|---------|----------|------------------------|
| 2013    | Prius    |                        |

## Introduction

Some 2013 model year Prius vehicles may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P0A80 or stored due to dust or debris buildup 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 | JTDKN3DU#D0356257               |

## Warranty Information

| OP CODE | DESCRIPTION   | TIME | OFF         | T1 | T2 |
|---------|---|------|-------------|----|----|
| EL1400  | Clean HV Battery Cooling Fan, Replace HV Battery Assembly, and Install HV Battery Cooling Fan Intake Filter | 1.8  | 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.
- For California specification Prius 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, 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.

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

### Parts Information

| PART NUMBER | PART NAME                        | QTY |
|-------------|----------------------------------|-----|
| G92DH-47010 | Filter, HV Battery Intake, No. 1 | 1   |
| G9510-76010 | Battery Assy, HV Supply          | 1   |

### 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 9.00.025 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* | <a href="#">00002-03100-S (Small)</a>  | 1   |
|                               | <a href="#">00002-03200-M (Medium)</a> |     |
|                               | <a href="#">00002-03300-L (Large)</a>  |     |

**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.

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

### Repair Procedure

1. Inspect the HV Battery Cooling Fan for dust or debris buildup.

Refer to the Technical Information System (TIS), 2013 Prius Repair Manual:

- *Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Battery Blower: Removal”*

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

- **YES** — Proceed to step 2.
- **NO** — This bulletin does NOT apply. Troubleshoot the vehicle using the Repair Manual procedure.

Refer to TIS, 2013 Prius Repair Manual:

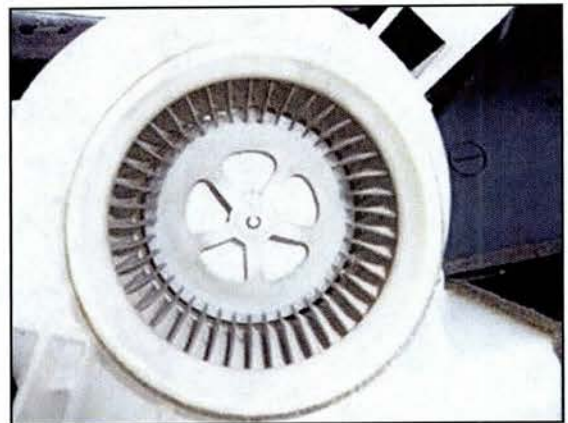
*Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: Hybrid Battery System: P0A80-123: Replace Hybrid Battery Pack”*

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.

Figure 1. HV Battery Cooling Fan BEFORE Cleaning



Figure 2. HV Battery Cooling Fan AFTER Cleaning



### 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.

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

### Repair Procedure (Continued)

3. Replace the HV Battery Assembly.

Refer to TIS, 2013 Prius Repair Manual:

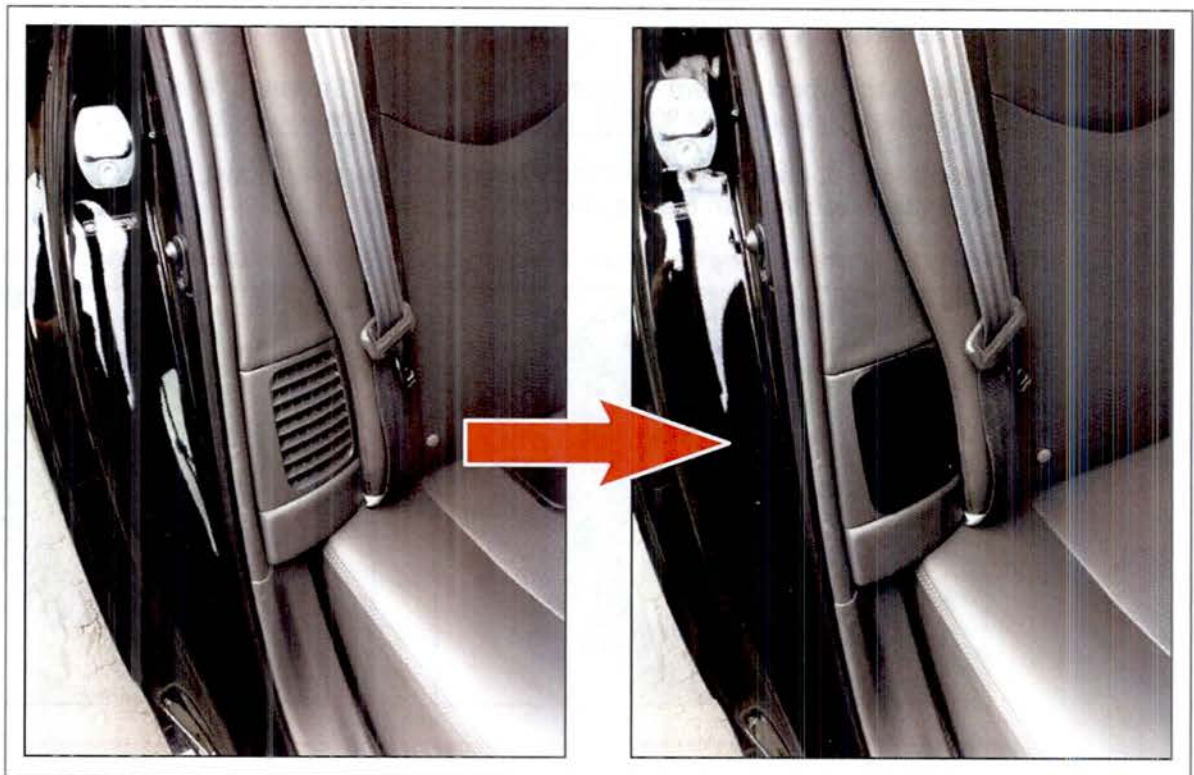
- *Engine/Hybrid System – Hybrid/Battery Control System – “Hybrid/Battery Control: HV Battery: Removal / Installation”*

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 3.



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-0198-11](#), “HV Battery Cooling Fan Maintenance for Severe Usage Vehicles,” for additional HV Battery Cooling Fan maintenance recommendations.