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TOYOTA

# Technical Service Bulletin

Subject:  
**HV battery warning lamp or message ON**

Models:  
PRIUS  
Model codes:  
ZVW30

General

G-0081T-1012

Revision

Revision

## INTRODUCTION

This Technical Service Bulletin is to inform you of the production change and repair method for the subject phenomenon. Applicable to vehicles produced before the production change effective VIN's / frame number shown below.

## DESCRIPTION OF PHENOMENON

Some customers may experience and report that HV warning lamp is ON.

The vehicle has triggered one of the following DTC:

DTC P0A80: Replace Hybrid Battery Pack

DTC P0A7F: Hybrid Battery Pack Deterioration.

In some cases, customer may experience and report that following warning message is displayed on the multi-information display "Cooling performance of the hybrid battery is low consult a dealer". In this case, the vehicle will not trigger any DTC.

These both phenomena might be caused by reduced HV battery cooling performance due to dust or debris inside the battery system.

## PRODUCTION CHANGE

Additional filter has been implemented in the hybrid battery intake system. See figure 1.



Figure 1

## PRODUCTION CHANGE INFORMATION

Model code	Plant	Production change effective frame number	Implementation date
ZVW30	TSUTSUMI line 1	0356257	August 2013
	TSUTSUMI line 2	1708443	
ZVW30	TOYOTA AUTOBODY line 1	5669075	August 2013
	TOYOTA AUTOBODY line 2	5669494	

## PARTS INFORMATION

Previous part number	Current part number	Part name	Quantity
G9510-47060	G9510-47060	Battery assy, HV supply	1
G9510-76010	G9510-76010		
-	G92DH-47010	Filter, HV battery intake, no. 1	1

## **REPAIR PROCEDURE**

1. Remove the "Blower Assy, battery cooling" according to repair manual.
2. Clean the HV battery cooling fan for dust or debris build-up in the fan by using compressed air.  
Refer to Figure 2 for an example of a clogged cooling fan.  
During cleaning, prevent the blower fan from rotating to avoid damages.

Note: Be sure that the blower is clean from dust or debris.



Figure 2

3. Replace the "Battery Assy, HV supply" according to repair manual.
4. Install the "Blower Assy, battery cooling" according to repair manual.
5. Install the "Filter, HV battery intake, no. 1" on top of air duct from "back Assy, rear side seat, RH" as shown in Figure 3.

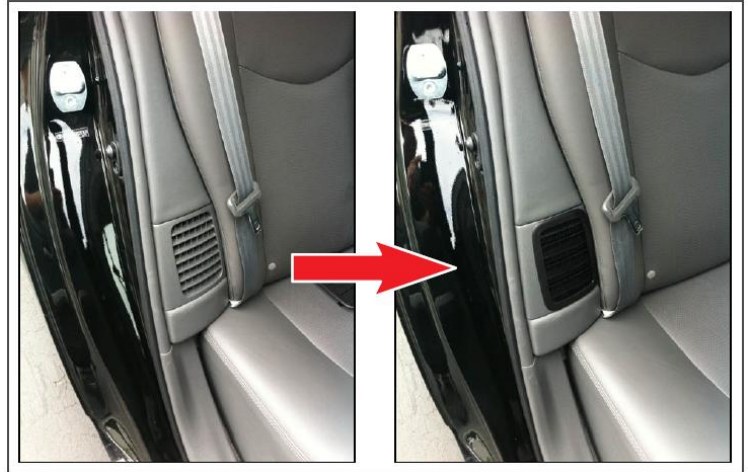


Figure 3

6. If vehicle is produced before April 2012, Reprogram the Power Management ECU:  
Follow the procedure described in Service Bulletin T-SB-G-0002 :  
"Reprogramming method of ECU" and flash the Power Management ECU according to following table:

Model Year	ECU	Old Calibration ID	Minimum Calibration ID
9-10	Power Management ECU	896B34703000	896B34703600
		896B34703100	
		896B34703200	
		896B34703300	
		896B34703400	
	896B34703500		
11	Power Management ECU	896B34716000	896B34716200
		896B34716100	
12	Power Management ECU	896B34722000	896B34722100

7. Clear any DTCs that have set during the repair procedure and test drive the vehicle to confirm normal operation.

<b>OP code</b>	<b>Operation</b>	<b>Time</b>	<b>OFF</b>	<b>T1</b>	<b>T2</b>
890301	Remove the hybrid battery blower assembly and clip the filter on the air vent	0.5	G92DH-47010	8A	53
890111	Replace the hybrid battery assembly	1.6		8A	53
895909N	Reprogram the Power Management ECU	0.8		8A	53

Note: The implementation of this TSB for rectification of the phenomenon reported requires the mandatory CCR (Condition, Cause, Remedy) comments in the warranty claim for further detailed technical analysis. It is required to mention this TSB number in the Remedy field. Failure to comply with this requirement could lead to claim rejection.