

T-SB-0102-09

Rev1


April 6, 2009

MIL "ON" DTC P0A84

Service Category Engine/Hybrid System

Section Hybrid/Battery Control System

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007	Camry HV	WMI(s): JTN

TSB REVISION NOTICE

- September 23, 2009 Rev1:
 - The Introduction has been updated and a note has been added to the Production Change Information section to clarify only Tsutsumi-built vehicles are applicable to this TSB.

Any previous printed versions of this service bulletin should be discarded.

TSB SUPERSESSION NOTICE

The information contained in this TSB supersedes TSB No. EG060-06.

- This bulletin has been updated for the use of TIS Techstream.
- The procedures in this bulletin will update the software for both the HV ECU and ECM/PCM.
- Calibration information has been updated.

TSB No. EG060-06 is Obsolete and any printed versions should be discarded. Be sure to review the entire content of this service bulletin before proceeding.

Introduction

Some 2007 model year Tsutsumi-built Camry HV vehicles may exhibit a MIL "ON" condition with DTC P0A84 (Hybrid Battery Pack Cooling Fan 1). Improvements have been made to the HV ECU software to correct this condition. Use the following repair procedure to address customer concerns.

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Production Change Information

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

MODEL	DRIVETRAIN	PLANT	PRODUCTION CHANGE EFFECTIVE VIN
Camry HV	2WD	Tsutsumi	JTNBB46K#7#023970

NOTE

This TSB is **ONLY** applicable to vehicles with VINs beginning with JTN. Vehicles with a VIN beginning with 4T1 do **NOT** apply.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG5045	Reprogram HV ECU & ECM (PCM)	0.8	89981-33013	8A	99

APPLICABLE WARRANTY

- This repair is covered under the Toyota Hybrid Vehicle 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, Massachusetts, New Hampshire, New Jersey, New York, Rhode Island, or Vermont, this repair is covered under the California Emission Warranty, which is in effect for 180 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.

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
89981-33013	89981-33014	Computer, Hybrid Vehicle Control	–
00451-00001-LBL	Same	Authorized Modification Labels	1

NOTE

- The HV ECU should **NOT** be replaced as part of the repair procedure.
- Authorized Modification Labels may be ordered in packages of 25 from the Materials Distribution Center (MDC) through Dealer Daily – Dealer Support Materials Orders.

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Calibration Information

MODEL	ECM (CPU)	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID	VDS
Camry HV	HV ECU	899833301400	<u>899833301500</u>	BB46K
		899833301300		
		899833301200		
		899833301100		
	Engine ECM (PCM)	33380200	<u>33380300</u>	
		33380100		

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* NOTE: Software version 4.20.018 or later is required.	ADE	TSUNT	1

* Essential SST.

<p>NOTE</p> <ul style="list-style-type: none"> • Additional TIS Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787. • The Diagnostic Tester is NOT recommended for flash reprogramming with this calibration file. Please use TIS Techstream or an approved J2534 interface to perform this update. Visit techinfo.toyota.com for more information regarding J2534 reprogramming. 	
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SPECIAL SERVICE TOOLS (SST'S)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	<u>00002-MCGR8</u>	1

* Essential SST.

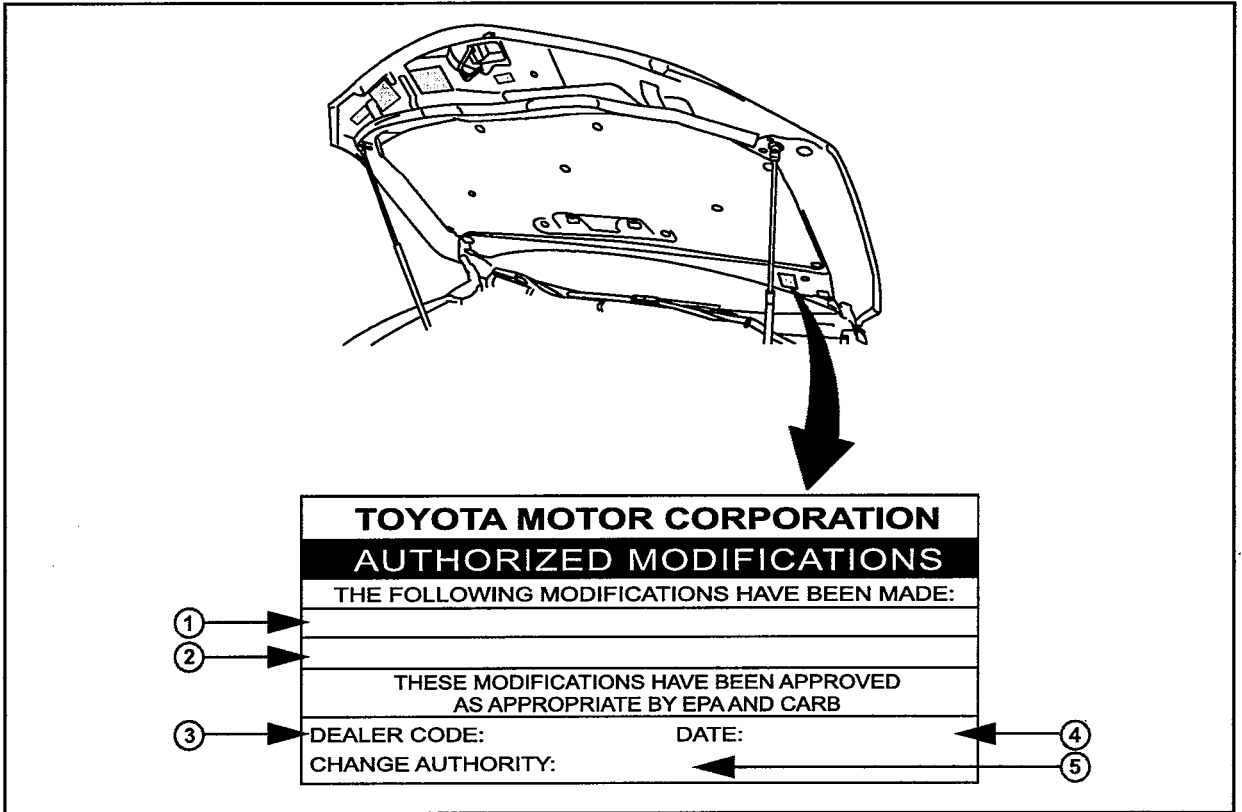
<p>NOTE</p> <p>Additional SSTs may be ordered by calling 1-800-933-8335.</p>	
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Repair Procedure

1. Check for the Authorized Modifications Label affixed to the vehicle in the location shown in Figure 1. Confirm if the HV ECU calibration has been updated. If the calibration ID listed is NOT the latest HV ECU calibration — go to step 2.

Figure 1. Location of Authorized Modifications Label on 2007 Camry HV



1	Replacement HV ECU Part Number (i.e., 89981-33014)
2	New Calibration ID(s) (i.e., 899833301500)
3	Dealer Code

4	Date Completed
5	This TSB Number

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Repair Procedure (Continued)

- Flash Reprogram the HV ECU and ECM (PCM).

NOTE

- The GR8 Battery Diagnostic Station **MUST** be used in Power Supply Mode to maintain battery voltage at 13.5 volts while flash reprogramming the vehicle.
- For details on how to use the GR8 Battery Diagnostic Station, refer to the GR8 Instruction Manual located on the Technical Information System (TIS), *Diagnostics – Battery*.

Follow the procedures outlined in TSB No. SS002-07, "Techstream ECU Flash Reprogramming Procedure", and flash the ECM (PCM) with the NEW calibration file update.

- Place vehicle into Ready "ON" mode and test drive the vehicle to confirm proper vehicle operation of the HV ECU and ECM (PCM).
- Install the Authorized Modifications Label.
 - Using a permanent marker, enter the following information on the label:
 - HV ECU part number [*Refer to the **Parts Information** section for the **CURRENT PART NUMBER***]
 - Calibration ID(s) [*Refer to the **Calibration Identification Chart** for the **NEW CALIBRATION ID***]
 - Dealer Code
 - Repair Date
 - Change Authority [***This TSB** number*]
 - Affix the Authorized Modifications Label to the vehicle at the location shown in Figure 1. The Authorized Modifications Label is available through the MDC, P/N 00451-00001-LBL.