TOYOTA
Technical Service Bulletin

MIL "ON" DTC P3190, P3191 and/or P0A0F

Service Category Engine/Hybrid System

Section Engine Control   **Market** USA

Toyota Supports
ASE Certification

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010 – 2011	Prius	

Introduction

Some 2010 – 2011 model year Prius vehicles may exhibit a MIL "ON" condition with Diagnostic Trouble Code(s) (DTCs) P3190 (Poor Engine Power), P3191 (Engine Does Not Start) and/or P0A0F (Engine Failed to Start). The Engine Control Module/ECM (SAE term: Powertrain Control Module/PCM) logic has been revised to address this condition.

Calibration Information

MODEL YEAR	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID	VDS
2010	34715000 34715100 34715200	34715300	KN3DU
2011	34728000	34728100	

Warranty Information

OP CODE	DESCRIPTION	TIME	MODEL YEAR	OFP	T1	T2
EG1110	Recalibrate ECM (PCM) Engine	0.4	2010	89660-47300 89660-47301	87	99
			2011	89660-47430		

APPLICABLE WARRANTY

- **This repair is covered under the Toyota Federal Emission Warranty. This warranty is in effect for 96 months or 80,000 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 P3190, P3191 and/or P0A0F

Parts Information

MODEL YEAR	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
2010	89660-47300 89660-47301	89660-47302	Computer, Engine Control (ECM/PCM)	–
2011	89660-47430	89660-47431		–
–	00451-00001-LBL	Same	Authorized Modification Labels	1

> **NOTE**
> - The ECM (PCM) 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.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* or Techstream Lite NOTE: Software version 6.20.020 or later is required.	ADE	TSPKG1 or TSLITEDLR01	1

> **NOTE**
> - Additional 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.

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	00002-MCGR8	1

> **NOTE**
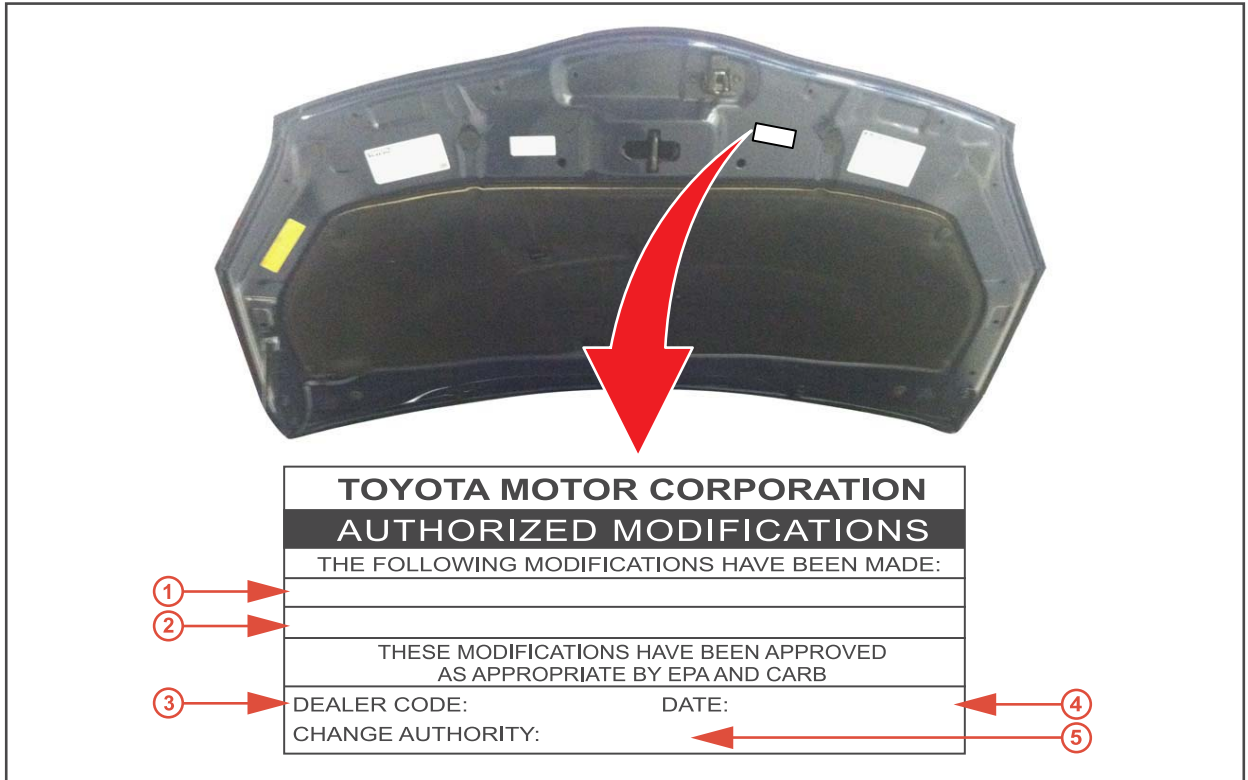> Additional SSTs may be ordered by calling 1-800-933-8335.

* Essential SST.

MIL "ON" DTC P3190, P3191 and/or P0A0F

Repair Procedure

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

Figure 1. Location of Authorized Modifications Label on 2010 and 2011 Prius

1	Replacement ECM (PCM) Part Number (i.e., 89660-47302)
2	New Calibration ID(s) (i.e., 34715300)
3	Dealer Code

4	Date Completed
5	This TSB Number

MIL "ON" DTC P3190, P3191 and/or P0A0F

Repair Procedure (Continued)

   2. Flash reprogram the 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 – Tools & Equipment – Battery Diagnostics.*

   Follow the procedures outlined in TSB No. T-SB-0064-10, *"Techstream ECU Flash Reprogramming Procedure",* and flash the ECM (PCM) with the NEW calibration file update.

   3. Install the Authorized Modifications Label.

   A. Using a permanent marker, enter the following information on the label:

   - ECM 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]*

   B. 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.

   4. Test drive the vehicle to confirm proper vehicle operation.