

MIL "ON" DTC P219A or P219B (2GR-FE)

Service Category Engine/Hybrid System

Section Engine Control

Market USA



Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2012 – 2013	Camry	
2012	Venza	

Introduction

Some 2012 – 2013 model year Camry and 2012 model year Venza vehicles equipped with 2GR-FE engines may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P219A or P219B present. The Engine Control Module/ECM (SAE term: Powertrain Control Module/PCM) logic has been modified to reduce the possibility of this condition occurring. Please follow the repair procedure below to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	MODEL	OFF	T1	T2
EG1235	Reprogram ECM (PCM) Engine	0.4	2012–2013 Camry	89661-06K40 89661-06K41	8A	99
			2012 Venza (2WD)	89661-0T090		
			2012 Venza (AWD)	89661-0T100		

<p>APPLICABLE WARRANTY</p> <ul style="list-style-type: none"> • 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.
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Parts Information

MODEL	ENGINE	DRIVE-TRAIN	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
2012–2013 Camry	2GR-FE	2WD	89661-06K40 89661-06K41	89661-06K42	Computer, Engine Control (ECM/PCM)	-
2012 Venza		2WD	89661-0T090	89661-0T091		-
		AWD	89661-0T100	89661-0T101		-
-	-	-	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.

Calibration Information

MODEL	ENGINE	DRIVETRAIN	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID
2012–2013 Camry	2GR-FE	2WD	30677000	<u>30677200</u>
			30677100	
2012 Venza		2WD	30T05000	<u>30T05100</u>
		AWD	30T10000	<u>30T10100</u>


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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* or Techstream Lite NOTE: Software version 7.31.003 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.

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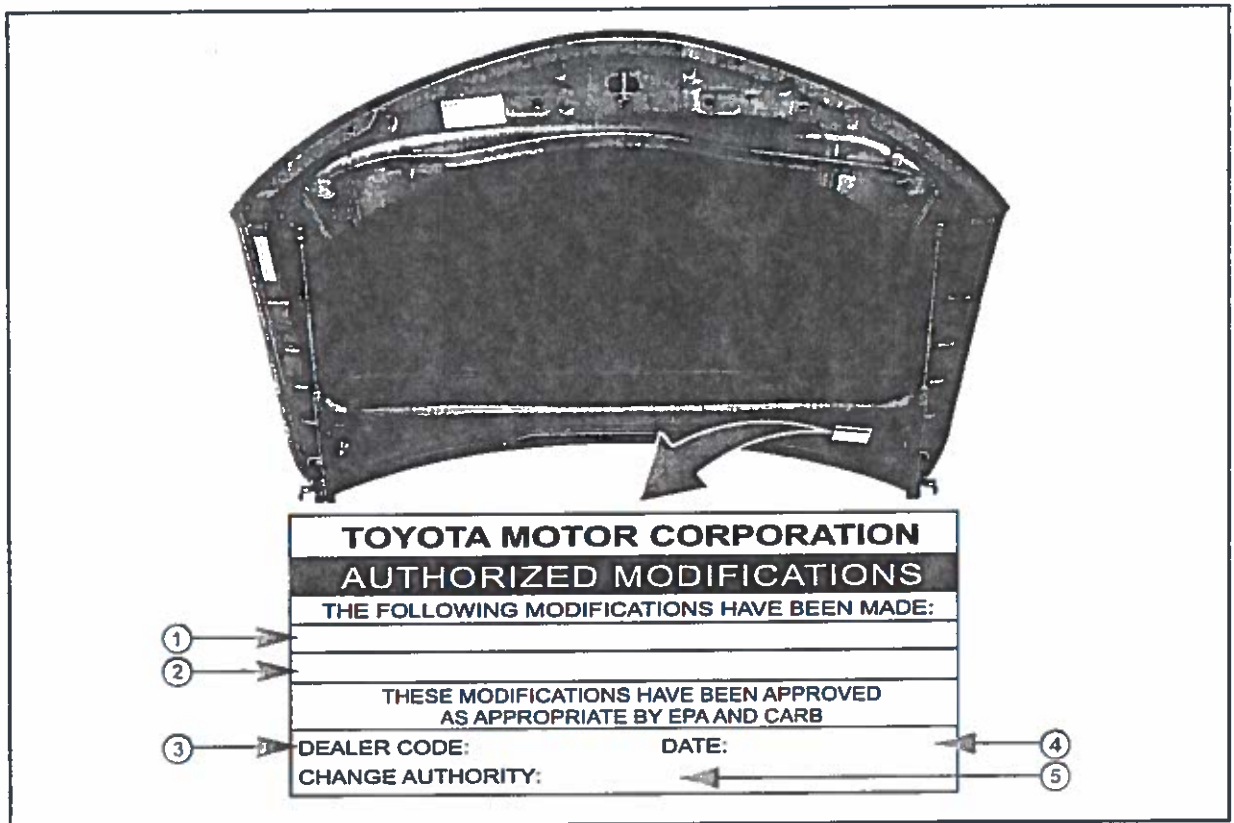
Repair Procedure

1. Using TIS Techstream, check for stored DTCs. Confirm one of the following DTCs are present:
 - P219A – Bank 1 Air-Fuel Ratio Imbalance
 - P219B – Bank 2 Air-Fuel Ratio Imbalance

If other DTCs are present, this bulletin does NOT apply. Continue diagnosis per Repair Manual procedures.

2. Check for the Authorized Modifications Label affixed to the vehicle in the location shown in Figures 1 and 2. Confirm if the ECM (PCM) calibration has been updated. If the calibration ID listed is NOT the latest ECM (PCM) calibration — go to step 3.

Figure 1. Location of Authorized Modifications Label on 2012 – 2013 Camry



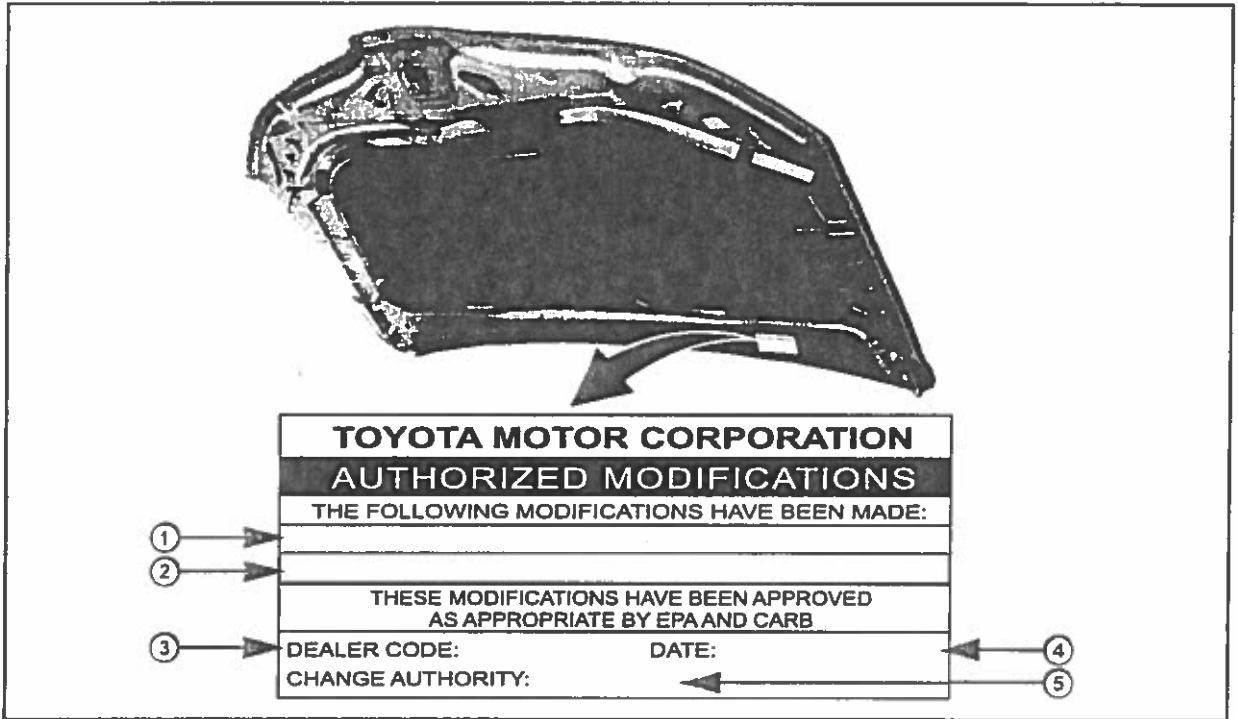
1	Replacement ECM (PCM) Part Number (i.e., 89661-06K42)
2	New Calibration ID(s) (i.e., 30677200)
3	Dealer Code

4	Date Completed
5	This SB Number

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Repair Procedure (Continued)

Figure 2. Location of Authorized Modifications Label on 2012 Venza



1	Replacement ECM (PCM) Part Number (i.e., 89661-0T091)
2	New Calibration ID(s) (i.e., 30T05100)
3	Dealer Code

4	Date Completed
5	This SB Number

3. 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 Service Bulletin No. T-SB-0064-10, "Techstream ECU Flash Reprogramming Procedure", and flash reprogram the ECM (PCM) with the NEW calibration file update.

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Repair Procedure (Continued)

4. 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 bulletin number*]
 - B. Affix the Authorized Modifications Label to the vehicle at the location shown in Figures 1 and 2. The Authorized Modifications Label is available through the MDC, P/N 00451-00001-LBL.
5. Test drive the vehicle to confirm proper vehicle operation.