

MIL ON With DTC P211904 - 2GR-FKS (6MT)

Service Category Vehicle Interior

Section Meter/Gauge/Display

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2020	Tacoma	

REVISION NOTICE

February 12, 2021 Rev1:

- **Applicability** has been updated to include 2018 – 2020 model year Tacoma vehicles.
 - **The Warranty, Parts Information, and Calibration Information sections** have been updated.
- Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2016 – 2020 model year Tacoma vehicles equipped with a 2GR-FKS engine and a manual transmission may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P211904 (ECM/PCM Throttle Actuator “A” Control Throttle Body Range/Performance System Internal Failure) with vehicle entering limp mode. The Engine Control Module (ECM) (SAE term: Powertrain Control Module/PCM) logic has been modified to reduce the possibility of this condition. Follow the Repair Procedure in this bulletin to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	MODEL NAME	MODEL YEAR	TRANSMISSION	OFP	T1	T2
800269	Engine ECM Reprogramming (Per FRM)	0.7	Tacoma	2016 – 2020	M/T	89661-#####*	8A	74

*Choose the correct OFP for the vehicle being repaired by searching for the parts in the EPC using the EPC VIN filter. Warranty Claims MUST be submitted with the correct 10-digit OFP.

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 With DTC P211904 - 2GR-FKS (6MT)

Parts Information

MODEL	MODEL YEAR	TRANSMISSION	PART NUMBER		PART NAME	QTY
			PREVIOUS	NEW		
Tacoma	2016 – 2017	M/T	89661-04K63	89661-04K64	Computer, Engine Control (ECM)	–
			89661-04K62			
			89661-04K61			
			89661-04K60			
	2018		89661-04K31	89661-04K32		
			89661-04K30			
	2019		89661-04L11	89661-04L12		
			89661-04L10			
2020	89661-04L60	89661-04L61				
–			00451-00001-LBL		Authorized Modifications Labels	1

NOTE

- The ECM/PCM should NOT be replaced as part of the Repair Procedure.
- Authorized Modifications Labels may be ordered in packages of 25 from the Materials Distribution Center (MDC) through *Dealer Daily – Parts – Dealer Support Materials Orders*.

MIL ON With DTC P211904 - 2GR-FKS (6MT)

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVI*	ADE	TSADVUNIT	1
Techstream 2.0		TS2UNIT	
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 15.30.027 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Battery Diagnostic Tool*	DCA-8000P T	1

*Essential SST.

NOTE

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

MIL ON With DTC P211904 - 2GR-FKS (6MT)

Calibration Information

MODEL	MODEL YEAR	TRANSMISSION	CALIBRATION ID		VDS
			PREVIOUS	NEW	
Tacoma	2016 – 2017	M/T	8966304B1300 8966304B1200 8966304B1100 8966304B1000	8966304B1400	CZ5AN SZ5AN
	2018		8966304A7100 8966304A7000	8966304A7200	
	2019		8966304B4100 8966304B4000	8966304B4200	
	2020		8966304B9000	8966304B9100	

Repair Procedure

- Using Techstream, check for DTC P211904 (ECM/PCM Throttle Actuator “A” Control Throttle Body Range/Performance System Internal Failure).

Is DTC P211904 present?

- YES** — Continue to step 2.
- NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

MIL ON With DTC P211904 - 2GR-FKS (6MT)

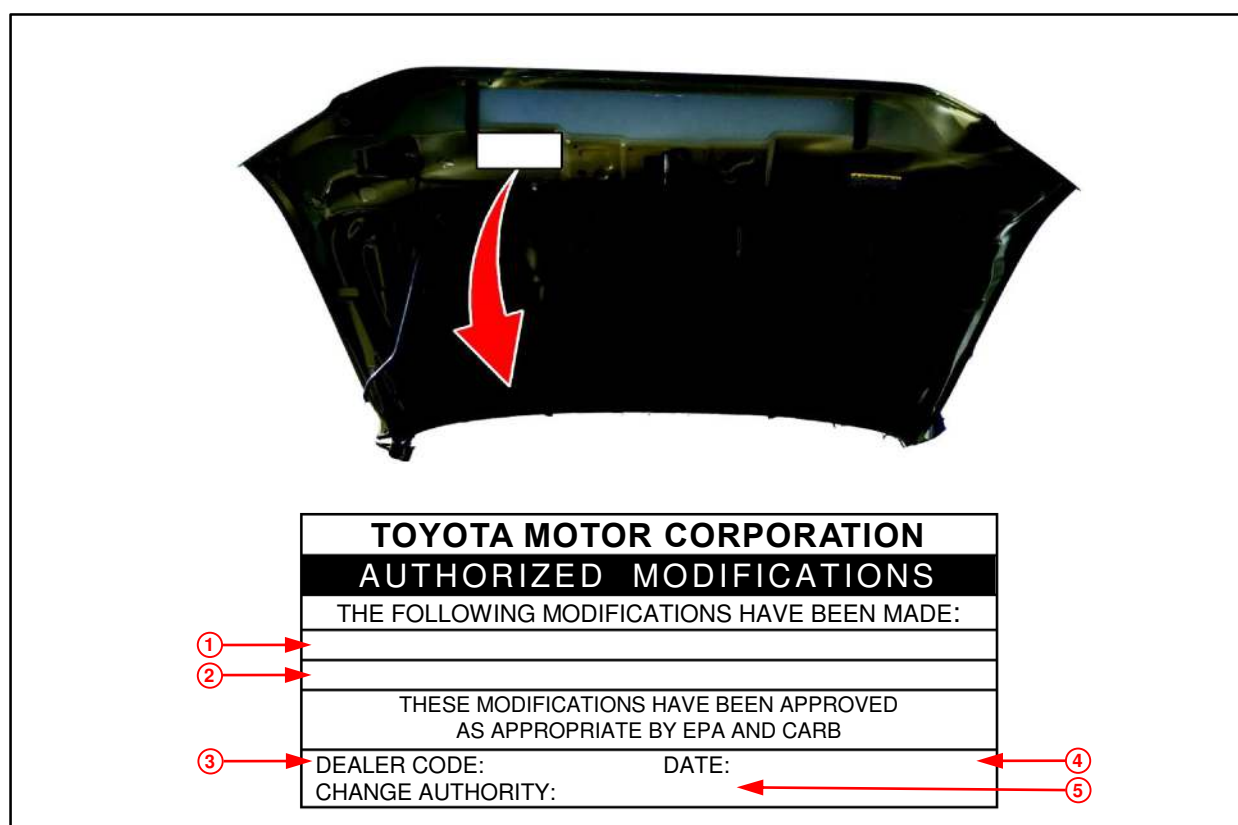
Repair Procedure (continued)

2. Use Techstream to confirm if the ECM (PCM) calibration has been updated and check for the Authorized Modifications Label affixed to the vehicle in the location shown below.

Is the calibration ID listed in Techstream and on the label the latest ECM (PCM) calibration?

- **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- **NO** — Continue to step 3.

Figure 1. Location of Authorized Modifications Label on 2016 – 2020 Tacoma



1	Replacement ECM (PCM) Part Number (e.g., 89661-04K64)
2	New Calibration ID (e.g., 8966304B1400)
3	Dealer Code

4	Date Completed
5	This SB Number

MIL ON With DTC P211904 - 2GR-FKS (6MT)

Repair Procedure (continued)

3. Flash reprogram the ECM (PCM).

NOTE

- The battery diagnostic tool **MUST** be used in Power Supply Mode to maintain battery voltage at 13.5V while flash reprogramming the vehicle.
- For details on how to use the battery diagnostic tool, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in [T-SB-0134-16](#), *Techstream ECU Flash Reprogramming Procedure*, and flash the ECM (PCM) with the NEW calibration file update.

4. Prepare and install the Authorized Modifications Label.
 - A. Using a permanent marker, enter the following information on the label:
 - ECM (PCM) part number [*Refer to the **Parts Information** section for the **NEW PART NUMBER**.*]
 - Calibration ID(s) [*Refer to the **Calibration Information** section for the **NEW CALIBRATION ID**.*]
 - Dealer Code.
 - Repair Date.
 - Change Authority [***This bulletin number**.*]
 - B. Install the Authorized Modifications Label onto the vehicle at the location shown in Figure 1. The Authorized Modifications Label is available through the MDC, P/N 00451-00001-LBL.
5. Test-drive the vehicle to confirm proper operation.