

MIL "ON" DTC P07407E

Service Category Drivetrain

Section Automatic Transmission/Transaxle

Market USA

Toyota Supports
 ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2018	Camry	

Introduction

Some 2018 model year Camry vehicles equipped with four-cylinder engines may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P07407E (Torque Converter Clutch Actuator Stuck On). The Engine Control Module (ECM) (SAE term: Powertrain Control Module [PCM]) logic has been modified to address this condition. Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective VINs shown below.

MODEL	PLANT	ENGINE	GRADE	PRODUCTION CHANGE EFFECTIVE VIN
Camry	Tsutsumi 1	A25A-FKS	LE	JTNB11HK#J3049119
			SE	JTNB11HK#J3049102
	TMMK 1		L	4T1B11HK#JU045579
			LE	4T1B11HK#JU045507
			XLE	4T1B11HK#JU045543
			SE	4T1B11HK#JU045563
			XSE	4T1B61HK#JU045571
			L	4T1B11HK#JU553979
	TMMK 2		LE	4T1B11HK#JU553962
			XLE	4T1B11HK#JU553823
			SE	4T1B11HK#JU553955
			XSE	4T1B61HK#JU553930

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Production Change Information (continued)

The transmission serial break points from each unit plant are shown below. Confirm the transmission serial number **BEFORE** flash reprogramming the ECM (PCM). The transmission serial number will be used to determine the correct software for the vehicle.

MODEL	PLANT	TRANSMISSION	PRODUCTION CHANGE EFFECTIVE SERIAL
Camry	AW	UB80E	17J7B24023
	Kinuura		UB####17219Y206
	TMMWV 1		B1A17K10697
	TMMWV 2		B2A17K10697

Warranty Information

OP CODE	DESCRIPTION	TIME	OPF	T1	T2
EG1719	Reprogram ECM (PCM)	0.4	89661-06X53 89661-33T43	8A	99

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.

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Parts Information

TRANSMISSION SERIAL NUMBER BREAK POINT	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
Before	89661-33T40 89661-33T41 89661-33T42	89661-33T30	Computer, Engine Control (ECM/PCM)	-
	89661-06X50 89661-06X51 89661-06X52	89661-06Y00		
After	89661-33T40 89661-33T41 89661-33T42 89961-33T43	89661-33T44		
	89661-06X50 89661-06X51 89661-06X52 89661-06X53	89661-06X54		
-	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*.

Required Tools & Equipment

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

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 13.00.022 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.

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Required Tools & Equipment (continued)

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

* Essential SST.

NOTE

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

Calibration Information

MODEL	ENGINE	TRANSMISSION SERIAL NUMBER _____ BREAK POINT	ECU TYPE	CALIBRATION ID	
				PREVIOUS	NEW
Camry	A25A-FKS	Before	Main	89663-33P4000 89663-33P4100 89663-33P4200 89663-33P4300 89663-33P3000	89663-33P3100
			Sub	89665-3379000 89665-3379100 89665-3356000	89665-3356100
		After	Main	89663-33P4000 89663-33P4100 89663-33P4200 89663-33P4300 89663-33P4400	89663-33P4500
			Sub	89665-3379000 89665-3379100 89665-3379200	89665-3379300

Repair Procedure

- Using Techstream, check for the following stored DTC:
P07407E – Torque Converter Clutch Actuator Stuck On
Is the DTC present?
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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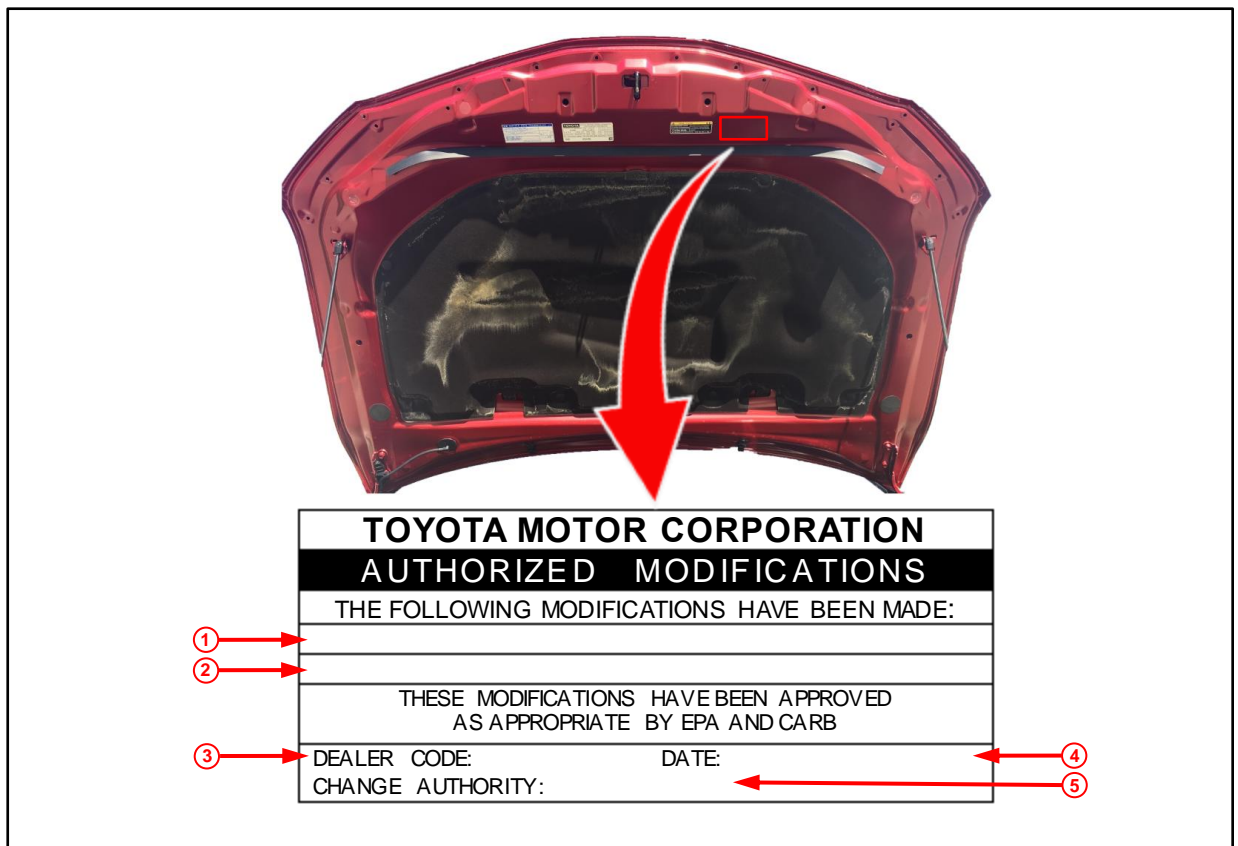
Repair Procedure (continued)

2. Check for the Authorized Modifications Label affixed to the vehicle in the location shown below. Confirm if the ECM (PCM) calibration has been updated.

Is the calibration ID listed the latest ECM (PCM) calibration?

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

Figure 1. Location of Authorized Modifications Label on 2018 Camry



1	Replacement ECM (PCM) Part Number (e.g., 89661-33T44)
2	New Calibration ID (e.g., 89663-33P30)
3	Dealer Code

4	Date Completed
5	This SB Number

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Repair Procedure (continued)

- Flash reprogram the ECM (PCM).

NOTE

- The GR8 Battery Diagnostic Station MUST be used in Power Supply Mode to maintain battery voltage at 13.5V while flash reprogramming vehicle.
- For details on how to use the GR8 Battery Diagnostic Station, refer to the "[GR8 Instruction Manual](#)" located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin No. [T-SB-0134-16](#) "Techstream ECU Flash Reprogramming Procedure," and flash the ECM (PCM) with the NEW calibration file update.

- Prepare and install the Authorized Modifications Label.
 - 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***]
 - 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.
- Test drive the vehicle to confirm proper vehicle operation.