

MIL ON With DTC(s) P210015, P210019, P211172, and/or P01201C in Freezing Temperatures Equipped With A25A-FKS Engine

Service Category Engine/Hybrid System

Section Intake/Exhaust

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2018 - 2019	Camry	VDS(s): B11HK, B61HK Engine(s): A25

Introduction

Some 2018 – 2019 model year Toyota Camry vehicles equipped with an A25A-FKS engine may exhibit reduced engine power and/or a MIL ON condition with one or more of the following throttle body Diagnostic Trouble Codes (DTCs) present in freezing temperatures:

- P210015: Throttle Actuator “A” Control Motor Circuit Short to Battery or Open.
- P210019: Throttle Actuator “A” Control Motor Circuit Current Above Threshold.
- P211172: Throttle Actuator “A” Control System Actuator Stuck Open.
- P01201C: Throttle / Pedal Position Sensor / Switch “A” Circuit Voltage Out of Range.

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.

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Warranty Information

OP CODE	DESCRIPTION	MODEL YEAR	TIME	OFF	T1	T2
EL2406	Reprogram the ECM (PCM)	2018	1.1	89661-#####*	8A	74
EL2407		2019	0.7			

*Warranty claim MUST be submitted with the correct 10-digit OFF. Choose the correct OFF for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

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.

Parts Information

MODEL YEAR	TRANSMISSION*	PART NUMBER		PART NAME	QTY
		PREVIOUS	NEW		
2018	Before Production Change	89661-06Y05	89661-06Y06	Computer, Engine Control (ECM/PCM)	–
	After Production Change	89661-06X58	89661-06X59		
	Before Production Change	89661-33T35	89661-33T36		
	After Production Change	89661-33T48	89661-33T49		
2019	N/A	89661-0X585	89661-0X586		
		89661-33Y44	89661-33Y45		

*Refer to the Repair Procedure section for information regarding the transmission production change for 2018 Toyota Camry vehicles and determine which transmission is equipped.

NOTE

The ECM (PCM) should NOT be replaced as part of the Repair Procedure.

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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.
- GTS+ software version 2024.01.002.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 or by visiting *TIS – Diagnostics – Tools & Equipment – Techstream Order Portal*.
- 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 or by visiting *Home – Service Resources – Toyota Special Service Tools (SSTs)*.

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Calibration Information

MODEL	MODEL YEAR	TRANSMISSION*	ENGINE	CAL ID #	CALIBRATION ID	
					PREVIOUS	NEW
Camry	2018	Before Production Change	A25A-FKS	CID 1	896653356000 896653356100 896653379000 896653379100	896653356200 / 8966333P3600
				CID 2	8966333P3000 8966333P3100 8966333P3200 8966333P3500 8966333P4000 8966333P4100 8966333P4200 8966333P4300	
		After Production Change		CID 1	896653356000 896653356100 896653379000 896653379100 896653379200 896653379300 896653379400	896653379500 / 896633TA2000
				CID 2	8966333P3000 8966333P3100 8966333P3200 8966333P3500 8966333P4000 8966333P4100 8966333P4200 8966333P4300 8966333P4400 8966333P4500 8966333P4600 8966333P4700 8966333P4800 8966333P4900	
	2019	N/A		CID 1	896653374000 896653374100	896653374200 / 8966333Q6600
				CID 2	8966333Q6000 8966333Q6100 8966333Q6200 8966333Q6300 8966333Q6400 8966333Q6500	

*Refer to the Repair Procedure section for information regarding the transmission production change for 2018 Toyota Camry vehicles and determine which transmission is equipped.

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Repair Procedure

2018 Toyota Camry models experienced a production change to the equipped transmission midway through the model year. If this bulletin applies to a 2018 Toyota Camry, you **MUST** first confirm whether the vehicle has a transmission produced **BEFORE** or **AFTER** the production change. Refer to [T-SB-0010-18](#), *Transaxle Assembly and ECM (PCM) Software Confirmation*, to determine which transmission is equipped. Confirmation of the transmission equipped is necessary to ensure the correct ECM (PCM) calibration is installed.

1. Confirm the condition exists.

Does the vehicle exhibit reduced engine power and/or a MIL ON condition with one or more of the following throttle body DTCs present in freezing temperatures?

- P210015: Throttle Actuator “A” Control Motor Circuit Short to Battery or Open.
- P210019: Throttle Actuator “A” Control Motor Circuit Current Above Threshold.
- P211172: Throttle Actuator “A” Control System Actuator Stuck Open.
- P01201C: Throttle / Pedal Position Sensor / Switch “A” Circuit Voltage Out of Range.
- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Use GTS+ to confirm if the ECM (PCM) calibration has been updated.

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

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

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 station, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in [T-SB-0057-23](#), *GTS+ ECU Flash Reprogramming Procedure*, and flash reprogram the ECM (PCM) with the NEW calibration file update.

4. Using GTS+, clear ANY DTCs and test-drive the vehicle to confirm the condition is no longer present.