

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.

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

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.

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

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)*.

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

Calibration Information

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

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

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.