

# Hesitation on Acceleration From a Slow Roll or Rolling Stop

**Service Category** Engine/Hybrid System

**Section** Engine Control

**Market** USA

Toyota Supports  
 ASE Certification 

## Applicability

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

### REVISION NOTICE

**March 09, 2020 Rev1:**

- The entire bulletin has been updated.

**Any previous printed versions of this bulletin should be discarded.**

## Introduction

Some 2018 – 2019 model year Camry vehicles with an A25A engine may exhibit a hesitation on acceleration from a slow roll or rolling stop under the following conditions.

- Driving 6 mph or below
- Immediately following a 3 – 1 downshift
- Less than 40% accelerator pedal application

The Engine Control Module/ECM (SAE Term: Powertrain Control Module/PCM) logic has been modified to reduce the potential for hesitation. Follow the Repair Procedure in this bulletin to update the ECM calibration.

### NOTE

This Service Bulletin requires a drive pattern to be performed AFTER the calibration update is completed. The proper execution of these drive patterns is necessary for the drivability updates to take effect. Refer to the Repair Procedure for drive pattern details.

## Hesitation on Acceleration From a Slow Roll or Rolling Stop

### Warranty Information

OP CODE	DESCRIPTION	TIME	WMI	OFF	T1	T2
EG1912	Engine ECU Reprogramming	1.4	4T1	89661-06Y02 89661-08X67 89661-0X580 89661-0X581 89661-0X582	04	74
			JTN	89661-33T32 89661-33T47 89661-33Y40 89661-33Y41		

#### 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

WMI	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
4T1	89661-06Y02	89661-06Y05	Computer, Engine Control (ECM)	-
	89661-08X57	89661-06X58		
	89661-0X580 89661-0X581 89661-0X582	89661-0X583		
JTN	89661-33T32	89661-33T35		
	89661-33T47	89661-33T48		
	89661-33Y40 89661-33Y41	89661-33Y42		
-	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*.

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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.
- Software version 14.30.022 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](http://techinfo.toyota.com) for more information regarding J2534 reprogramming.

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Battery Diagnostic Tool*	<a href="#">DCA-8000P T</a>	1

\*Essential SST.

**NOTE**

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

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### Calibration Information

MODEL YEAR	ENGINE	TRANSMISSION SERIAL NUMBER BREAK POINT	CALIBRATION ID	
			PREVIOUS	NEW
2019	A25A-FKS	N/A	8966333Q6000 8966333Q6100 8966333Q6200	<a href="#">8966333Q6300</a> / <a href="#">896653374100</a>
2018		Before	8966333P3000 8966333P3100 8966333P3200 8966333P4000 8966333P4100 8966333P4200 8966333P4300 896653356000 896653356100 896653379000 896653379100	<a href="#">8966333P3500</a> / <a href="#">896653356200</a>
		After	8966333P3000 8966333P3100 8966333P3200 8966333P4000 8966333P4100 8966333P4200 8966333P4300 8966333P4400 8966333P4500 8966333P4600 8966333P4700 8966333P4800 896653356000 896653356100 896653379000 896653379100 896653379200 896653379300 896653379400	<a href="#">8966333P4900</a> / <a href="#">896653379500</a>

**NOTE**

Follow the procedures outlined in Service Bulletin [T-SB-0010-18](#), *Transaxle Assembly and ECM (PCM) Software Confirmation*, to confirm transaxle serial number and correct calibration.

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### Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit hesitation on acceleration from a slow roll or rolling stop under ANY of the following conditions?

- Driving 6 mph or below.
- Immediately following a 3 – 1 downshift.
- Less than 40% accelerator pedal application.
- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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.

3. Follow the procedures outlined in Service Bulletin [T-SB-0010-18](#), *Transaxle Assembly and ECM (PCM) Software Confirmation*, to confirm transaxle serial number and correct calibration.

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

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### Repair Procedure (continued)

5. 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.

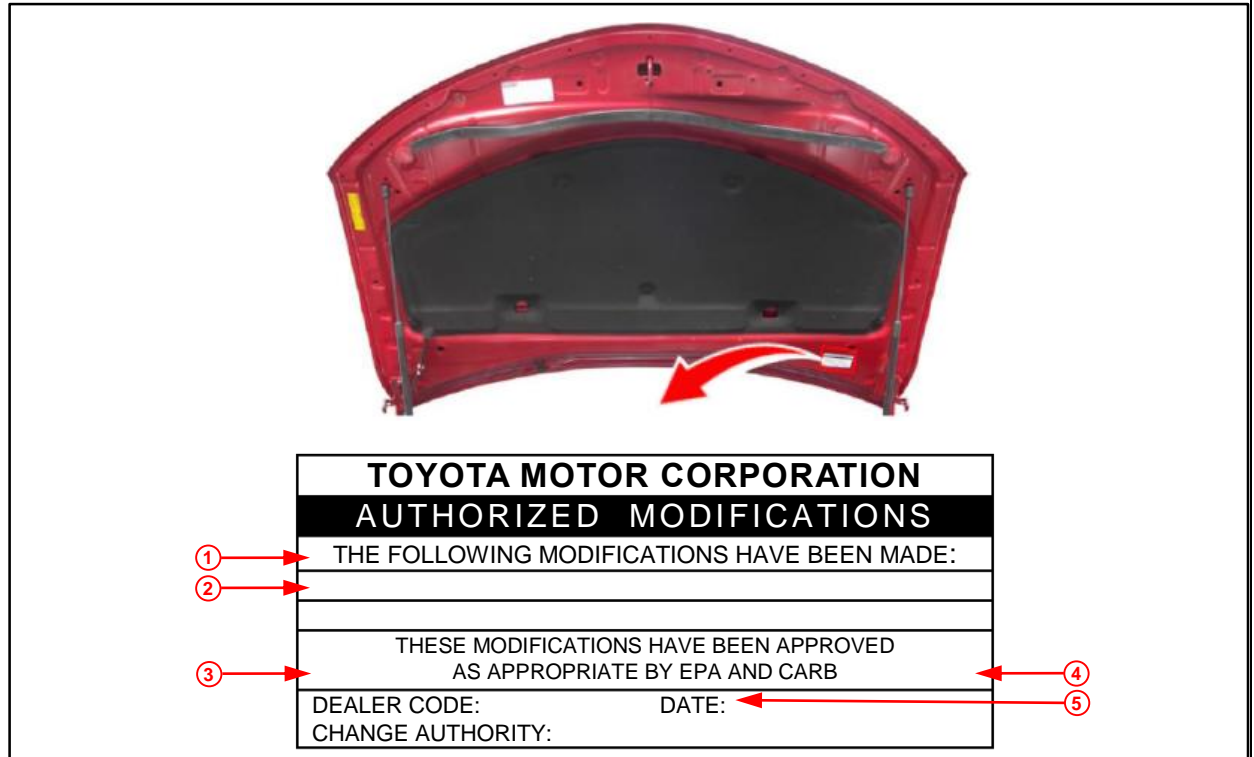
#### NOTE

- This Service Bulletin requires a drive pattern to be performed AFTER the calibration update has been completed. The proper execution of these drive patterns is necessary for the modification to take effect as soon as possible. Step 6 describes the drive pattern details.
- When performing step 6, you **MUST** take the vehicle to a safe, open area and/or low traffic location to perform the drive pattern.
- Use care when viewing Techstream and performing the drive patterns. Consider using another technician for Techstream confirmation of Shift Status.

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### Repair Procedure (continued)

**Figure 1. Location of Authorized Modifications Label on 2018 – 2019 Camry**



<b>1</b>	<b>Replacement ECM (PCM) Part Number</b> (e.g., 89661-06Y05)
<b>2</b>	<b>New Calibration ID</b> (e.g., 8966333P4900)
<b>3</b>	<b>Dealer Code</b>

<b>4</b>	<b>Date Completed</b>
<b>5</b>	<b>This SB Number</b>

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### Repair Procedure (continued)

6. Drive the vehicle to a safe and appropriate location where the following drive patterns can be performed. Then, perform the following drive patterns.
  - A. From a speed of 18 – 22 mph, apply consistent braking to decelerate to 0 mph in 3 seconds. Complete this pattern 15 times.
    - (1) Using Techstream, monitor the transmission shift status and ensure that the vehicle shifts from 3<sup>rd</sup> – 1<sup>st</sup> gear (skips 2<sup>nd</sup> gear) during each deceleration attempt.
  - B. From a speed of 18 – 22 mph, apply consistent braking to decelerate to 0 mph in 15 seconds. Complete this pattern 15 times.
    - (1) Using Techstream, monitor the transmission shift status and ensure that the vehicle shifts from 3<sup>rd</sup> to 2<sup>nd</sup> to 1<sup>st</sup> gear during each deceleration attempt.
  
7. Return the vehicle to the customer and explain that the transmission shift schedule has been modified and should adapt to the customer's driving habits as the vehicle is driven.