

# Pop/Clunk Noise on Initial Engine Start

**Service Category** Drivetrain

**Section** Automatic Transmission/Transaxle

**Market** USA and Mexico

Toyota Supports  
ASE Certification 

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## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2023	Tundra	

## Introduction

Some 2022 – 2023 model year Tundra vehicles may exhibit a loud pop/clunk noise, coming from under the vehicle, on initial engine start. This condition typically occurs after the engine hasn't been started for an extended period. The Transmission Control Module (TCM) logic has been modified to address this condition. Follow the Repair Procedure in this bulletin to address this condition.

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### Production Change Information

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

MODEL	PLANT	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
Tundra	TMMTX	2WD	5TFJA5AA#PX021366 5TFLA5AA#PX021366 5TFKB5AA#PX021366 5TFJA5AB#PX021366 5TFKB5AB#PX021366 5TFLA5AB#PX021366 5TFMA5AB#PX021366 5TFNA5AB#PX021366 5TFJA5BC#PX002488 5TFLA5BC#PX002488 5TFMA5BC#PX002488 5TFNA5BC#PX002488 5TFLA5CD#PX001550 5TFKB5CD#PX001550
		4WD	5TFJA5DA#PX065936 5TFLA5DA#PX065936 5TFKB5DA#PX065936 5TFJA5DB#PX065936 5TFKB5DB#PX065936 5TFLA5DB#PX065936 5TFMA5DB#PX065936 5TFNA5DB#PX065936 5TFJA5EC#PX011910 5TFLA5EC#PX011910 5TFNA5EC#PX011910 5TFMA5EC#PX011910 5TFKB5GD#PX001878 5TFLA5GD#PX001878

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### Warranty Information

#### For USA Market

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
800289	Reprogram the TCM	0.5	89530-60680	87	74

#### **APPLICABLE WARRANTY**

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 36,000 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.
- Vehicles equipped with a California Certified Emission Control System that are registered and operated in California, Arizona (2012 model year only), Colorado (starting with 2022 model year), Connecticut (starting with 2005 model year), Delaware (starting with 2014 model year), Maine (starting with 2004 model year), Maryland (starting with 2011 model year), Massachusetts (starting with 2004 model year), New Hampshire (2005 – 2009 model year only), New Jersey (starting with 2005 model year), New Mexico (2010 – 2011 model year only), New York (2004 – 2015 model year for ZEV models, starting in 2016 model year all models), Oregon (starting with 2008 model year), Pennsylvania (starting with 2008 model year), Rhode Island (starting with 2005 model year), Vermont (starting with 2004 model year), and Washington (starting with 2009 model year) – California Emission Long-Term Defect Warranty is in effect for 7 years or 70,000 miles from the vehicle's in-service date, whichever occurs first. (Please reference Policy 4.7 for additional information.)

#### For Mexico Market

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
800289	Reprogram the TCM	0.5	89530-60680	87	74

#### **APPLICABLE WARRANTY**

- This repair is covered under the Toyota Basic Warranty. This warranty is in effect for 36 months or 60,000 kilometers, 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

#### For USA Market

PART NUMBER	PART NAME	QTY
89530-60680	Computer Assy, Transmission Control (TCM)	–
00451-00001-LBL	Authorized Modifications Label	1

**NOTE**

- The TCM 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) ([portal.toyotamdc.com](http://portal.toyotamdc.com)) under item No. 00451-00001-LBL.

#### For Mexico Market

PART NUMBER	PART NAME	QTY
89530-60680	Computer Assy, Transmission Control (TCM)	–
00451-00002-MEX	Authorized Modifications Label	1

**NOTE**

- The TCM 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) ([portal.toyotamdc.com](http://portal.toyotamdc.com)) under item No. 00451-00002-MEX.

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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 17.20.013 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 (USA) or 01-55-50103041 (Mexico).
- 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 (USA) or 01-800-504-5330 (Mexico).

### Calibration Information

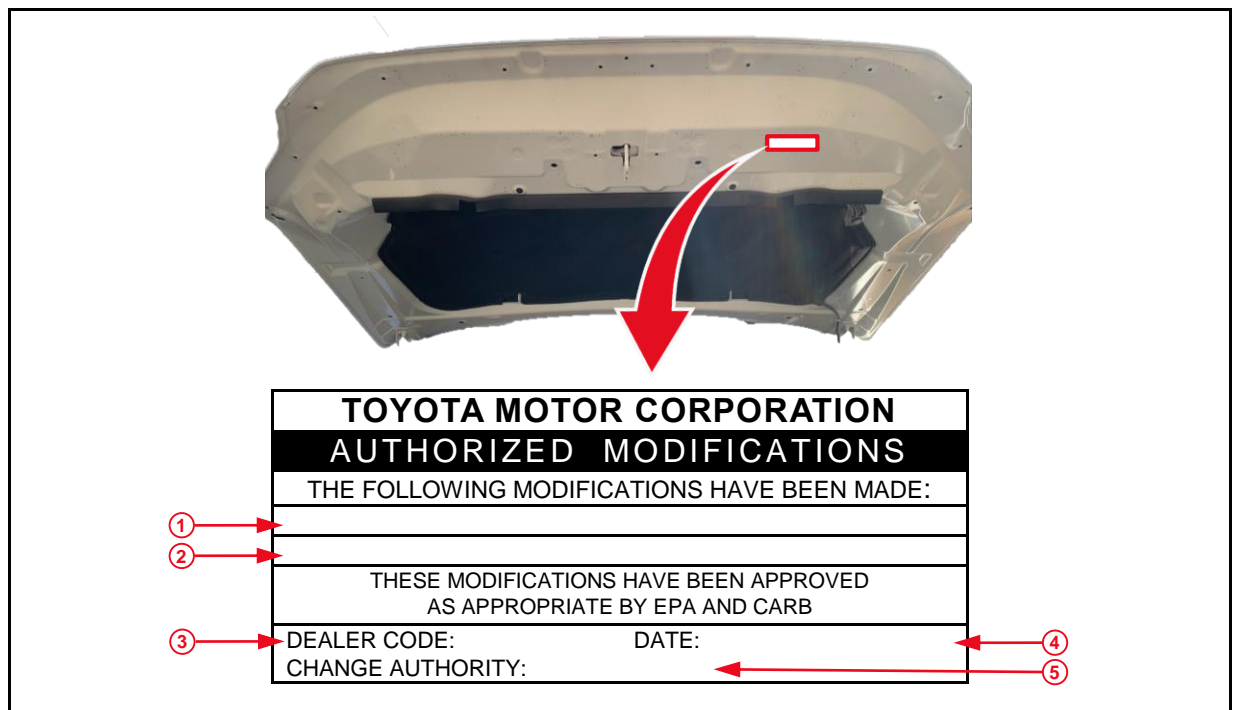
MODEL	DRIVETRAIN	CALIBRATION ID	
		PREVIOUS	NEW
Tundra	2WD	8A2100C01200 8A2100C01300	<a href="#">8A2100C01400</a>
	4WD	8A2100C03200 8A2100C03300	<a href="#">8A2100C03400</a>

## Pop/Clunk Noise on Initial Engine Start

### Repair Procedure

1. Does the vehicle exhibit a loud pop/clunk noise, coming from under the vehicle, immediately following engine start?
  - **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 TCM 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 TCM 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 2022 – 2023 Tundra**



<b>1</b>	Replacement TCM Part Number (e.g., 89530-60680)
<b>2</b>	New Calibration ID (e.g., 8A2100C01400)
<b>3</b>	Dealer Code

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

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### Repair Procedure (continued)

3. Flash reprogram the TCM.

**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](#) (USA) or [T-SB-0165-19](#) (Mexico) *Techstream ECU Flash Reprogramming Procedure* and flash the TCM 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:

- TCM 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 (USA) or 00451-00002-MEX (Mexico).

5. Start the vehicle to confirm the condition no longer exists.