

Stop and Start System - Intermittent No Restart During Wiper Operation

Service Category Engine/Hybrid System

Market USA and Mexico

Section Starting

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2022 - 2023	Corolla Cross	

Introduction

Some 2022 – 2023 model year Corolla Cross vehicles may exhibit an intermittent condition during windshield wiper operation where the stop and start system does one or both of the following:

- Does not restart the engine.
- Reactivates after being manually canceled.

NOTE

The engine remains able to be restarted manually.

The stop and start ECM (SAE term: Powertrain Control Module/PCM) logic has been modified to correct this condition. Follow the Repair Procedure in this bulletin to address this condition.

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG2302	Reprogram the Stop and Start ECM (PCM)	0.4	89261-#####*	81	74

*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 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.

For Mexico Market

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
EG2302	Reprogram the Stop and Start ECM (PCM)	0.4	89261-#####*	81	74

*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 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
PREVIOUS	NEW		
89261-0A010	89261-0A011	Computer, Engine Stop and Start (PCM)	-
89261-0A040	89261-0A041		
00451-00001-LBL		Authorized Modifications Label	1

NOTE

- The Stop and Start 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) (portal.toyotamdc.com) under item No. 00451-00001-LBL.

For Mexico Market

PART NUMBER		PART NAME	QTY
PREVIOUS	NEW		
89261-0A010	89261-0A011	Computer, Engine Stop and Start (PCM)	-
89261-0A050	89261-0A051		
00451-00002-MEX		Authorized Modifications Label	1

NOTE

- The Stop and Start 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) (portal.toyotamdc.com) under item No. 00451-00002-MEX.

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Required Tools & Equipment

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 (USA) or 01-800-504-5330 (Mexico).

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 2022.04.004.02 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 for more information regarding J2534 reprogramming.

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Calibration Information

For USA Market

MODEL	MODEL YEAR	CALIBRATION ID	
		PREVIOUS	NEW
Corolla Cross	2022	892630A01000	892630A01100
	2023	892630A04000	892630A04100

For Mexico Market

MODEL	MODEL YEAR	CALIBRATION ID	
		PREVIOUS	NEW
Corolla Cross	2022	892630A01000	892630A01100
	2023	892630A05000	892630A05100

Repair Procedure

1. Confirm the condition exists.
 Does the vehicle exhibit one or both of the conditions listed in the Introduction?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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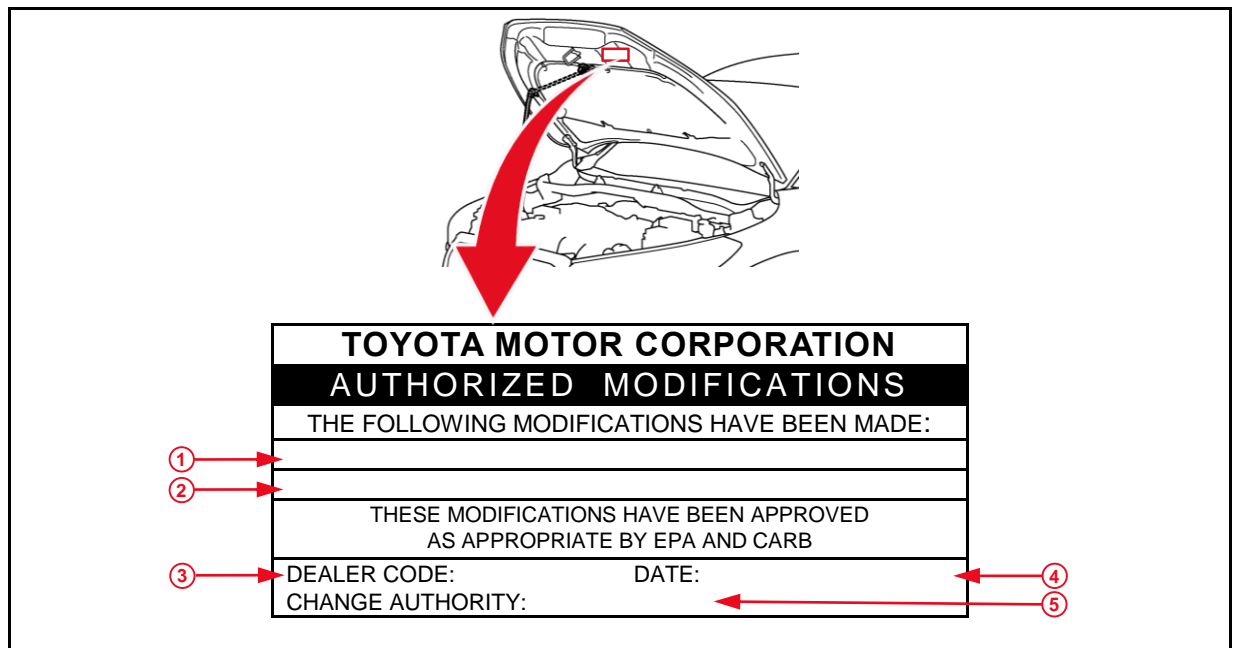
Repair Procedure (continued)

- Use Techstream to confirm if the stop and start 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 stop and start ECM (PCM) 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 Corolla Cross



1	Replacement Stop and Start ECM (PCM) Part Number (e.g., 89261-0A011)
2	New Calibration ID (e.g., 892630A01100)
3	Dealer Code

4	Date Completed
5	This SB Number

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Repair Procedure (continued)

- Flash reprogram the stop and start 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 [T-SB-0107-20](#), *ECU Flash Reprogramming With Security Signature*, and flash the stop and start 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:
 - Stop and start 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***]
 - 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).
- Test-drive the vehicle to confirm proper operation.