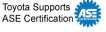


# **MIL ON With DTC P2C9000**

Service

Category Vehicle Interior

Section Meter/Gauge/Display Market USA



## **Applicability**

YEAR(S)	MODEL(S)	MODEL(S) ADDITIONAL INFORMATION	
2023	Crown	VDS(s): AFAAF Engine(s): T24	

#### Introduction

Some 2023 model year Crown vehicles may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P2C9000 (Crankcase Ventilation System - Hose A Disconnected) present without any related hoses disconnected. 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.

## **Production Change Information**

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

MODEL YEAR	MODEL	ENGINE	PRODUCTION CHANGE EFFECTIVE VIN
2023	Crown	T24A-FTS	JTDAFAAF5P3004503

#### **Warranty Information**

OP CODE DESCRIPTION		TIME	OFP	T1	T2
EL2320	Reprogram the ECM (PCM)	0.7	89661-4D650	8A	74

#### APPLICABLE WARRANTY

- This repair is covered under the Toyota Federal Emissions 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.

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# MIL ON With DTC P2C9000

#### **Parts Information**

PART NUMBER		PARTNAME	
	89661-4D650	Computer, Engine Control	1

## **NOTE**

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

## **Required Tools & Equipment**

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Battery Diagnostic Tool	DCA-8000P T	1

<sup>\*</sup>Essential SST.

## **NOTE**

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

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY	
Techstream ADVI*		TSADVUNIT		
Techstream 2.0	ADE	TS2UNIT		
Techstream Lite	ADE	TSLITEPDLR01		
Techstream Lite (Green Cable)		TSLP2DLR01		

<sup>\*</sup>Essential SST.

## **NOTE**

- Only ONE of the Techstream units listed above is required.
- GTS+ software version 2023.04.003.02 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 for more information regarding J2534 reprogramming.

## **Calibration Information**

MODEL YEAR	MODEL	ENGINE	CALIBRA	ATION ID
MODEL TEAK	NIODEL ENGINE		PREVIOUS	NEW
			8A2223009200	
2023	Crown	T24A-FTS	8A2223009100	8A2223009300
			8A2223009000	

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## MIL ON With DTC P2C9000

#### **Repair Procedure**

1. Confirm the condition exists.

Does the vehicle exhibit a MIL ON condition with the DTC P2C9000 (Crankcase Ventilation System – Hose A Disconnected) present without ANY related hoses disconnected?

- YES Continue to step 2.
- NO This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- 2. Diagnose the DTC P2C9000.

Refer to TIS, applicable model and model year Repair Manual:

• 2023 Crown:

Engine/Hybrid System – Engine Control – "T24A-FTS (Engine Control): SFI System: P2C9000; Crankcase Ventilation System – Hose "A" Disconnected"

Does the diagnosis indicate ANY of the procedure steps in the Repair Manual as the cause?

- 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 <u>DCA-8000 Instruction Manual</u> located at TIS Diagnostics Tools & Equipment Battery Diagnostics.

Follow the procedures outlined in <u>T-SB-0107-20</u> GTS+ ECU Flash Reprogramming With Security Signature, and flash the ECM (PCM) with the NEW calibration file update.

- 4. Using GTS+, clear ANY DTCs and test-drive the vehicle in accordance with the driving pattern described in the confirmation driving pattern to confirm the condition is no longer present.
  Refer to TIS, applicable model and model year Repair Manual:
  - 2023 Crown:

Engine/Hybrid System – Engine Control – "T24A-FTS (Engine Control): SFI System: P2C9000; Crankcase Ventilation System – Hose "A" Disconnected"