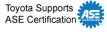


MIL ON With DTC P024313

Service

Category Engine/Hybrid System

Section Engine Control Market USA



Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION	
2023	Crown	VDS(s): AFAAF	
		Engine(s): T24	
		Transmission(s): 6AT-F	

Introduction

Some 2023 model year Crown vehicles may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P024313 (Turbocharger/wastegate solenoid "A" circuit open) present. 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.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL2319	Reprogram the ECM (PCM)	0.7	89661-####*	8A	74

^{*}Warranty claim MUST be submitted with the correct 10-digit OFP. Choose the correct OFP 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.

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Parts Information

PART NUMBER	PART NAME	QTY
89661-4D650	Computer, Engine Control	_

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

^{*}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	TS2UNIT		4	
Techstream Lite	ADE	TSLITEPDLR01		
Techstream Lite (Green Cable)		TSLP2DLR01		

^{*}Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- GTS+ software version 2023.03.002.02 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.

MIL ON With DTC P024313

Calibration Information

MODEL	ENGINE	CALIBRATION ID		
MODEL		PREVIOUS	NEW	
Crown	T24A-FTS	8A2223009000 8A2223009100 8A2223009200 8A2223009300	8A2223009400	

Repair Procedure

Confirm the condition exists.

Does the vehicle exhibit a MIL ON condition with DTC P024313 (Turbocharger/wastegate solenoid "A" circuit open) present?.

- 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 GTS+ 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 <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 Procedure With Security Signature*, and flash the ECM (PCM) with the NEW calibration file update.

4. Using GTS+, clear ANY DTCs and confirm the condition is no longer present.