

MIL ON With DTC(s) P25B372 and/or P030000

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2023	GR Corolla	

Introduction

Some 2023 model year GR Corolla vehicles may exhibit a MIL ON condition with one or both of the following Diagnostic Trouble Codes (DTCs):

- P25B372 – Turbocharger Wastegate “A” Actuator Stuck Open
- P030000 – Random Cylinder Misfire

The Engine Control Module (ECM) (SAE term: Powertrain Control Module/PCM) logic has been modified to address these conditions. Follow the Repair Procedure in this bulletin to address these conditions.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL2307	Reprogram the ECM (PCM)	0.7	89661-1AE30	8A	74

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
89661-1AE30	Computer, Engine Control (ECM/PCM)	—

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	

*Essential SST.

NOTE

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

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 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.

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Calibration Information

MODEL	TRIM	CALIBRATION ID	
		PREVIOUS	NEW
GR Corolla	Core/Circuit	8A2201203100	8A2201203200
		8A2301203100	8A2301203200
	Morizo	8A2201209100	8A2201209200
		8A2301209100	8A2301209200

Repair Procedure

- Confirm the condition exists.
Does the vehicle exhibit a MIL ON condition with one or both of the following DTC(s)?
 - P25B372 – Turbocharger Wastegate “A” Actuator Stuck Open
 - P030000 – Random Cylinder Misfire
 - YES** — Continue to step 2.
 - NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- 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.
- 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 [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin [T-SB-0107-20](#) *GTS+ ECU Flash Reprogramming Procedure With Security Signature*, and flash the ECM (PCM) with the NEW calibration file update.

- Clear ANY DTC(s) and test-drive the vehicle to confirm the condition no longer exists.