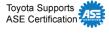


MIL ON With DTC P05CE00

Service

Category Vehicle Interior

Section Meter/Gauge/Display Market USA



Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2023	RX350	VDS(s): BAMBA, BAMCA, CHMAA Engine(s): T24

Introduction

Some 2023 model year RX 350 vehicles equipped with a T24A-FTS engine may exhibit a MIL ON condition with Diagnostic Trouble Code (DTC) P05CE00 (Cold Start "B" Camshaft Position Timing Performance Bank 1). 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		OFP	T1	T2
EL2314	Reprogram the ECM (PCM)	0.7	89661-OEK###*	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 Lexus 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.



MIL ON With DTC P05CE00

Parts Information

PART NUMBER	PART NAME	QTY
89661-0EK00	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	۸۵۲	TS2UNIT		
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.

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MIL ON With DTC P05CE00

Calibration Information

MODEL YEAR	MODEL ENGI	ENGINE	ENGINE DRIVE TYPE	CALIBRATION ID		
				PREVIOUS	NEW	
2023	RX 350 (CBU)	FWD T24A-FTS	8A2220E10000	8A2224825100 8A2224825200	8A2224825300 8A2220E10300	
2023	RX 350 (NA)		8A2220E10200 8A222-0E11000 8A222-0E11100 8A222-0E11200	8A2220E11300		

Repair Procedure

1. Confirm the condition exists.

Does the vehicle exhibit a MIL ON condition with DTC P05CE00 (Cold Start "B" Camshaft Position Timing Performance Bank 1) 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.

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MIL ON With DTC P05CE00

Repair Procedure (continued)

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>L-SB-0036-22</u> GTS+ECU Flash Reprogramming Procedure With Security Signature, and flash the ECM (PCM) with the NEW calibration file update.

4. 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 RX 350: Engine/Hybrid System – Engine Control – "T24A-FTS (Engine Control): SFI System (for Gasoline Model): P001400, P001500, P05CE00; Camshaft Position "B" – Timing Over-advanced or System Performance Bank 1"