

MIL "ON" DTC P2610

Service**Category** Engine/Hybrid System**Section** Engine Control**Market** USAToyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014 - 2016	Corolla	

Introduction

Some 2014 – 2016 model year Corolla vehicles may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P2610 present, indicating an ECM/PCM Internal Engine OFF Timer Performance condition. The Engine Control Module (ECM) logic has been modified to reduce the possibility of this condition. Follow the Repair Procedure below to address this condition.

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Warranty Information

OP CODE	DESCRIPTION	TIME	MODEL YEAR	ENGINE	DRIVETRAIN	OFP	T1	T2
EG1613	Reprogram ECM (PCM)	0.4	2014	2ZR-FE	CVT-Gate	89661-0ZB40 89661-0ZB41 89661-0ZB42	8A	99
					CVT-Sequential	89661-0ZD40 89661-0ZD41 89661-0ZD42		
					2WD 4AT	89661-0ZB50 89661-0ZB51 89661-0ZB52		
					2WD MT	89661-0ZB60 89661-0ZB61 89661-0ZB62		
				2ZR-FAE	FAE	89661-0ZD30 89661-0ZD31 89661-0ZD32		
			2015 – 2016	2ZR-FE	CVT-Gate	89661-0Z630		
					CVT-Sequential	89661-0Z640		
					2WD 4AT	89661-0Z650		
					2WD MT	89661-0Z660		
				2ZR-FAE	FAE	89661-0Z620		

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

MODEL YEAR	ENGINE	DRIVETRAIN	PART NUMBER		PART NAME	QTY
			PREVIOUS	NEW		
2014	2ZR-FE	CVT-Gate	89661-0ZB40 89661-0ZB41 89661-0ZB42	89661-0ZB43	Computer, Engine Control (ECM)	–
		CVT-Sequential	89661-0ZD40 89661-0ZD41 89661-0ZD42	89661-0ZD43		–
		2WD 4AT	89661-0ZB50 89661-0ZB51 89661-0ZB52	89661-0ZB53		–
		2WD MT	89661-0ZB60 89661-0ZB61 89661-0ZB62	89661-0ZB63		–
	2FR-FAE	FAE	89661-0ZD30 89661-0ZD31 89661-0ZD32	89661-0ZD33		–
2015 – 2016	2ZR-FE	CVT-Gate	89661-0Z630	89661-0Z631	Computer, Engine Control (ECM)	–
		CVT-Sequential	89661-0Z640	89661-0Z641		–
		2WD 4AT	89661-0Z650	89661-0Z651		–
		2WD MT	89661-0Z660	89661-0Z661		–
	2ZR-FAE	FAE	89661-0Z620	89661-0Z621		–
	–	–	00451-00001-LBL		Authorized Modification Labels	1

NOTE

- The ECM (PCM) should NOT be replaced as part of the Repair Procedure.
- Authorized Modification Labels may be ordered in packages of 25 from the Materials Distribution Center (MDC) through *Dealer Daily – Dealer Support Materials Orders*.

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 11.10.034 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- The Diagnostic Tester is NOT recommended for flash reprogramming. Please use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.



SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	00002-MCGR8	1

NOTE

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

* Essential SST.

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Calibration Information

MODEL YEAR	ENGINE	DRIVETRAIN	CALIBRATION ID	
			PREVIOUS	NEW
2014	2ZR-FE	CVT-Gate	302W8000 302W8100 302W8200	302W8300
		CVT-Sequential	302Y7000 302Y7100 302Y7200	302Y7300
		2WD 4AT	302W9000 302W9100 302W9200	302W9300
		2WD MT	302X0000 302X0100 302X0200	302X0300
	2ZR-FAE	FAE	302Y6000 302Y6100 302Y6200	302Y6300
2015 – 2016	2ZR-FE	CVT-Gate	30Z58000	30Z58100
		CVT-Sequential	30Z59000	30Z59100
		2WD 4AT	30Z60000	30Z60100
		2WD MT	30Z61000	30Z61100
	2ZR-FAE	FAE	302U1000	302U1100

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Repair Procedure

1. Using Techstream, check for stored DTCs. Confirm the following DTC is present:
P2610 – ECM/PCM Engine Off Timer Performance
2. Check for the Authorized Modifications Label affixed to the vehicle in the location shown below. Confirm if the ECM (PCM) calibration has been updated.
Is the calibration ID listed NOT the latest ECM (PCM) calibration?
 - **YES** — Continue to step 3.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

Figure 1. Location of Authorized Modification Label for 2014 – 2016 Corolla



1	Replacement ECM (PCM) Part Number (i.e., 89661-0ZB43 or 89661-0ZD43 etc.)
2	New Calibration ID (i.e., 302W8300 or 302Y7300)
3	Dealer Code

4	Date Completed
5	This SB Number

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Repair Procedure (Continued)

3. Flash reprogram the ECM (PCM).

NOTE

- The GR8 Battery Diagnostic Station **MUST** be used in Power Supply Mode to maintain battery voltage at 13.5 volts while flash reprogramming vehicle.
- For details on how to use the GR8 Battery Diagnostic Station, refer to the [GR8 Instruction Manual](#) located on the Technical Information System (TIS), *Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin No. [T-SB-0012-13](#), "Techstream ECU Flash Reprogramming Procedure," and flash the ECM (PCM) with the NEW calibration file update.

4. Install the Authorized Modifications Label.
 - A. Using a permanent marker, enter the following information on the label:
 - ECM 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**]
5. Affix the Authorized Modifications Label to the vehicle at the location shown in Figure 1. The Authorized Modifications Label is available through the MDC, P/N 00451-00001-LBL.
6. Test drive the vehicle to confirm proper vehicle operation.