

MIL "ON" DTC P2610

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2014 - 2015	IS250	

Introduction

Some 2014 – 2015 model year IS 250 vehicles may exhibit a MIL “ON” condition with Diagnostic Trouble Code (DTC) P2610 present, indicating an ECM/PCM engine OFF Timer Performance condition. The Engine Control Module (ECM) logic has been modified to reduce the possibility of this condition. Please follow the Repair Procedure below to address this condition.

Warranty Information

OP CODE	DESCRIPTION	TIME	ENGINE	YEAR	DRIVETRAIN	OFF	T1	T2
EG1606	Reprogram ECM (PCM)	0.4	4GR-FSE	2014	2WD	89661-53N70 89661-53N71	8A	99
					4WD	89661-53N80 89661-53N81		
				2015	2WD	89661-53R30		
					4WD	89661-53R40		

APPLICABLE WARRANTY

- This repair is covered under the Lexus 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

ENGINE	MODEL YEAR	DRIVETRAIN	PART NUMBER		PART NAME	QTY
			PREVIOUS	NEW		
4GR-FSE	2014	2WD	89661-53N70 89661-53N71	89661-53N72	Computer, Engine Control (ECM)	–
		4WD	89661-53N80 89661-53N81	89661-53N82		–
	2015	2WD	89661-53R30	89661-53R31		–
		4WD	89661-53R40	89661-53R41		–
–	–	–	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*.

Required Tools & Equipment

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

* Essential SST.

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.



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Required Tools & Equipment

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.

Calibration Information

ENGINE	MODEL YEAR	DRIVETRAIN	CALIBRATION ID	
			PREVIOUS	NEW
4GR-FSE	2014	2WD	353J9000 353J9100	353J9200
		4WD	353K0000 353K0100	353K0200
	2015	2WD	353M5000	353M5100
		4WD	353M6000	353M6100

Repair Procedure

- Using Techstream, check for stored DTCs. Confirm the following DTC is present:
P2610 – ECM/PCM Engine Off Timer Performance

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Repair Procedure (Continued)

2. Check for the Authorized Modifications Label affixed to the vehicles 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. Disregard this Service Bulletin and continue diagnosis per the Repair Manual.

Figure 1: Location of Authorized Modifications Label on 2014-2015 IS 250



1	Replacement ECM (PCM) Part Number (i.e., 89681-76011)
2	New Calibration ID (i.e., 30CL5200)
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 the vehicle.
- For details on how to use the GR8 Battery Diagnostic Station, refer to the GR8 Instruction Manual location on the Technical Information System (TIS) *Diagnostics – Tools and Equipment – Battery Diagnostics*

Follow the procedures outlined in Service Bulletin No. [L-SB-0021-14](#), "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.