

MIL "ON" DTC P014C, P014D, P014E, or P014F

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2010 – 2012	IS250	Transmission(s): 6AT
2010 – 2012	IS250C	Transmission(s): 6AT

Introduction

Some 2010 – 2012 model year IS 250 and IS 250C vehicles equipped with automatic transmissions may exhibit a MIL "ON" condition with Diagnostic Trouble Codes (DTCs) P014C, P014D, P014E, or P014F present. The Engine Control Module/ECM (SAE term: Powertrain Control Module/PCM) logic has been modified to reduce the possibility of this condition occurring. Use the following procedure to reprogram the ECM (PCM).

Warranty Information

OP CODE	DESCRIPTION	TIME	MODEL	MODEL YEAR	DRIVETRAIN	QFP	T1	T2
EG1304	Reprogram ECM (PCM) Engine	0.4	IS 250	2010	2WD	89661-53G10 89661-53G11	8A	99
					AWD	89661-53G20 89661-53G21		
				2011 – 2012	2WD	89661-53J80		
					AWD	89661-53J90		
			IS 250C	2010	2WD	89661-53E40 89661-53E41		
				2011 – 2012	2WD	89661-53J80		

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

MODEL	MODEL YEAR	DRIVETRAIN	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
IS 250	2010	2WD	89661-53G10 89661-53G11	89661-53G12	Computer, Engine Control (ECM/PCM)	1
		AWD	89661-53G20 89661-53G21	89661-53G22		
	2011 – 2012	2WD	89661-53J80	89661-53J81		
		AWD	89661-53J90	89661-53J91		
IS 250C	2010	2WD	89661-53E40 89661-53E41	89661-53E42		
	2011 – 2012	2WD	89661-53J80	89661-53J81		

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
00451-00001-LBL	Same	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*.

Calibration Information

MODEL	MODEL YEAR	DRIVETRAIN	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID
IS 250	2010	2WD	353C6000 353C6100	<u>353C6200</u>
		AWD	353C7000 353C7100	<u>353C7200</u>
	2011 – 2012	2WD	353E5000	<u>353E5100</u>
		AWD	353E6000	<u>353E6100</u>
IS 250C	2010	2WD	353A9000 353A9100	<u>353A9200</u>
	2011 – 2012	2WD	353E5000	<u>353E5100</u>


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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
TIS Techstream		TSPKG1	
Techstream Lite		TSLITEDLR01	

NOTE

- Only **ONE** of the Techstream units listed above is required.
- Software version 8.00.034 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*	<u>00002-MCGR8</u>	1

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

* Essential SST.

Repair Procedure

- Using Techstream, confirm one of the following DTCs is present:
 - P014C: *A/F Sensor Slow Response – Rich to Lean Bank 1 Sensor 1*
 - P014D: *A/F Sensor Slow Response – Lean to Rich Bank 1 Sensor 1*
 - P014E: *A/F Sensor Slow Response – Rich to Lean Bank 2 Sensor 1*
 - P014F: *A/F Sensor Slow Response – Lean to Rich Bank 2 Sensor 1*

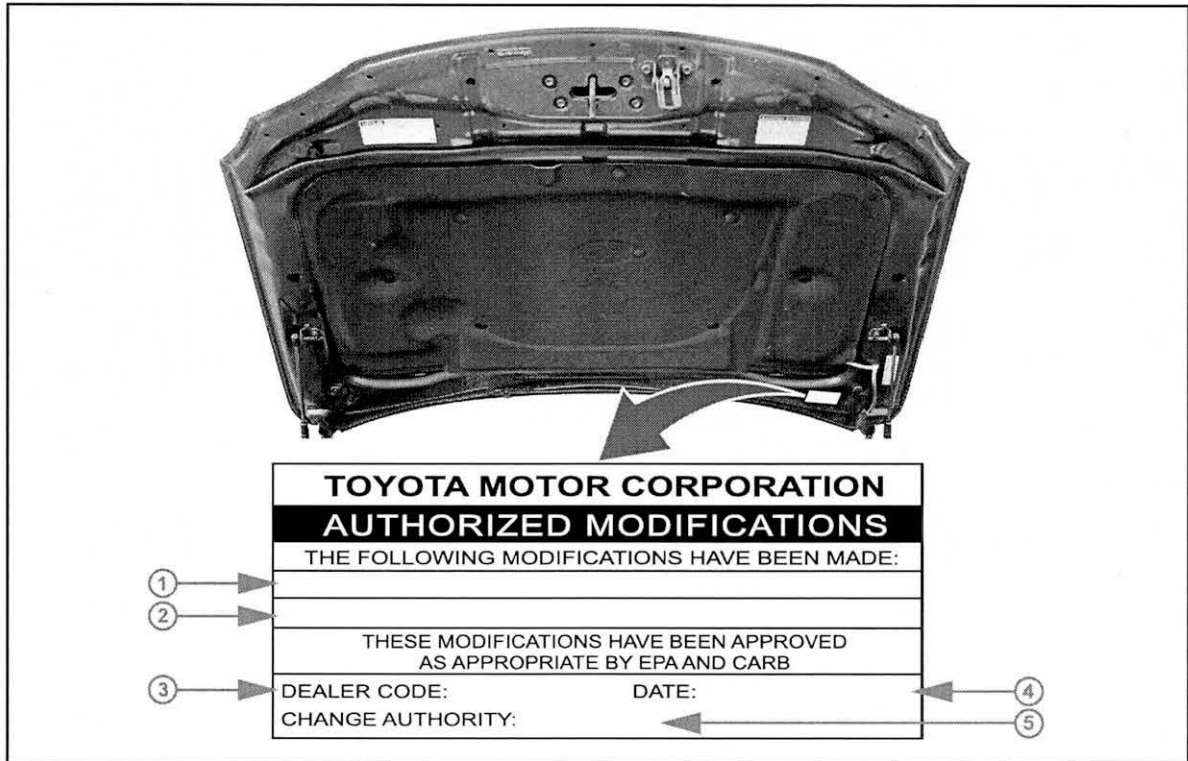
If other DTCs are present, this bulletin does NOT apply. Continue diagnosis per Repair Manual procedures.

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Repair Procedure (Continued)

2. Check for the Authorized Modifications Label affixed to the vehicle in the location shown in Figure 1. Confirm if the ECM (PCM) calibration has been updated. If the calibration ID listed is NOT the latest ECM (PCM) calibration — go to step 3.

Figure 1. Location of Authorized Modifications Label on 2010 – 2012 IS 250/250C



1	Replacement ECM (PCM) Part Number (i.e., 89661-53G12)
2	New Calibration ID(s) (i.e., 353C6200)
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 located on the Technical Information System (TIS), *Diagnosics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin No. L-SB-0015-10, "Techstream ECU Flash Reprogramming Procedure", and flash reprogram 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 **CURRENT PART NUMBER**]
 - Calibration ID(s) [Refer to the **Calibration Identification Chart** for the **NEW CALIBRATION ID**]
 - Dealer Code
 - Repair Date
 - Change Authority [**This bulletin number**]
 - B. 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.
5. Test drive the vehicle to confirm proper vehicle operation.