

MIL "ON" DTC P219A or P219B

Service Category Engine/Hybrid System

Section Engine Control

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2013	ES350	
2012 – 2013	RX350	

REVISION NOTICE

September 5, 2013 Rev1:

- Applicability has been updated to include 2013 model year ES 350 and RX 350 vehicles.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2013 model year ES 350 and 2012 – 2013 model year RX 350 vehicles may exhibit a MIL "ON" condition with Diagnostic Trouble Code (DTC) P219A or P219B present. The Engine Control Module/ECM (SAE term: Powertrain Control Module/PCM) logic has been modified to reduce the possibility of this condition occurring. Please follow the repair procedure below to address this condition.

Calibration Information

MODEL	MODEL YEAR	DRIVETRAIN	CALIBRATION ID	
			PREVIOUS	NEW
ES 350	2013	2WD	333D6000	333D6100
RX 350	2012	2WD	348G9000	348G9100
		AWD	348J0000	348J0100
	2013	2WD	348L3000	348L3100
		AWD	348L4000	348L4100
RX 350 F Sport	2013	AWD	30E13000	30E13100

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Warranty Information

OP CODE	DESCRIPTION	TIME	MODEL	MODEL YEAR	PRODUCTION	OFP	T1	T2
EG1235	Reprogram ECM (PCM) Engine	0.4	ES 350	2013	CBU	89661-33M70	8A	99
			RX 350	2012	CBU	89661-48J80 89661-48J90		
					NAP	89661-0E430 89661-0E440		
				2013	CBU	89661-48M20 89661-48M30		
					NAP	89661-0E480 89661-0E490		
			RX 350 F Sport	2013	NAP	89661-0E470		

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	PRODUCTION	PART NUMBER		PART NAME	QTY
				PREVIOUS	NEW		
ES 350	2013	2WD	CBU	89661-33M70	89661-33M71	Computer, Engine Control (ECM/PCM)	—
RX 350	2012	2WD	CBU	89661-48J80	89661-48J81		—
			NAP	89661-0E430	89661-0E431		—
		AWD	CBU	89661-48J90	89661-48J91		—
			NAP	89661-0E440	89661-0E441		—
	2013	2WD	CBU	89661-48M20	89661-48M21		—
			NAP	89661-0E480	89661-0E481		—
		AWD	CBU	89661-48M30	89661-48M31		—
			NAP	89661-0E490	89661-0E491		—
RX 350 F Sport	2013	AWD	NAP	89661-0E470	89661-0E471		—
—	—	—	—	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
TIS Techstream		TSPKG1	
Techstream Lite		TSLITEDLR01	

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 8.20.019 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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Repair Procedure

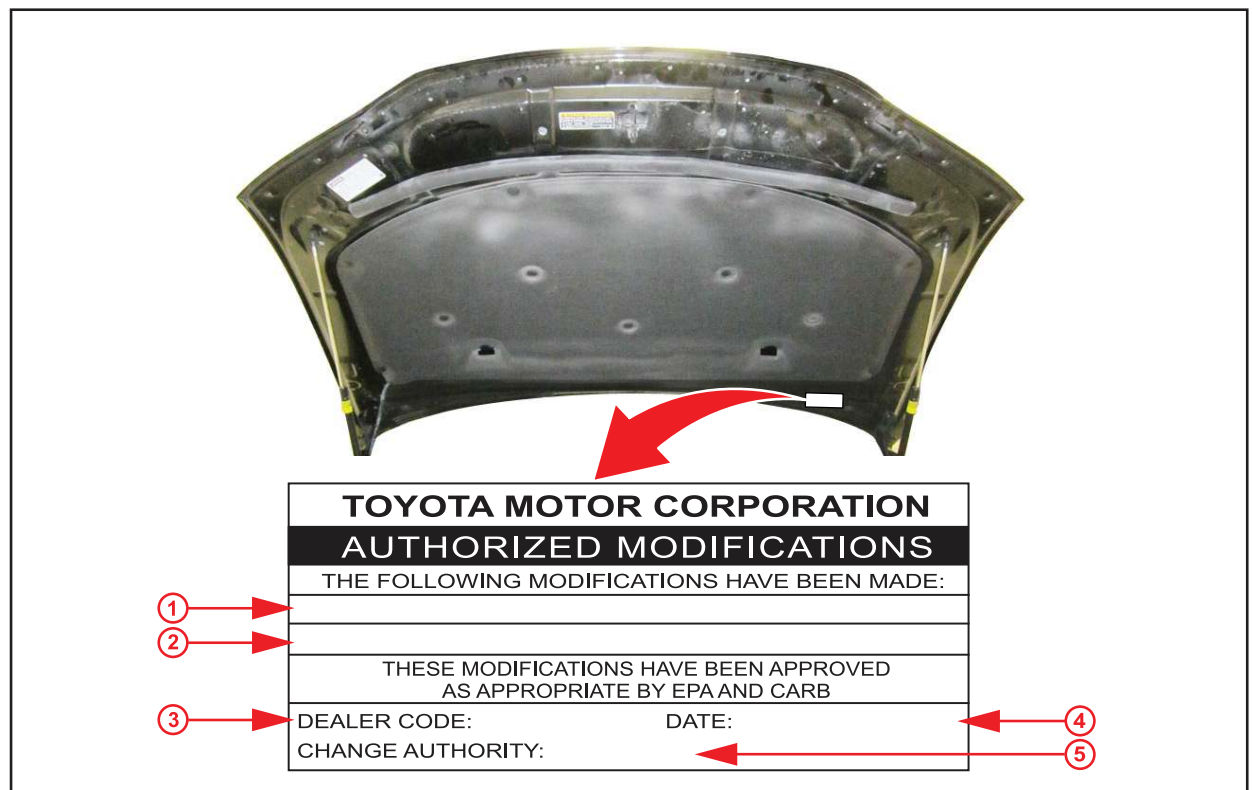
1. Using TIS Techstream, confirm one of the following DTCs are present:

- P219A – Bank 1 Air-Fuel Ratio Imbalance
- P219B – Bank 2 Air-Fuel Ratio Imbalance

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

2. Check for the Authorized Modifications Label affixed to the vehicle in the location shown in the applicable Figure below. 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 2013 ES 350



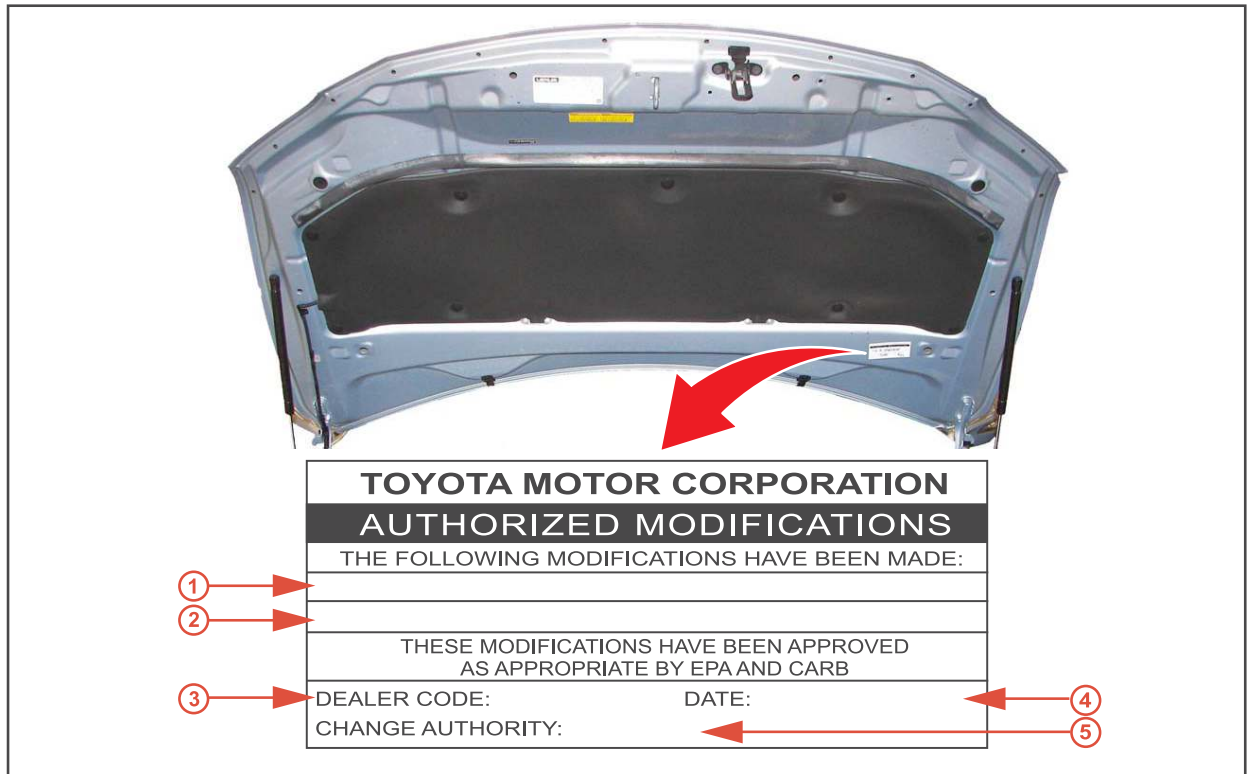
1	Replacement ECM (PCM) Part Number (i.e., 89661-33M71)
2	New Calibration ID(s) (i.e., 333D6100)
3	Dealer Code

4	Date Completed
5	This SB Number

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Repair Procedure (Continued)

Figure 2. Location of Authorized Modifications Label on 2012 – 2013 RX 350



1	Replacement ECM (PCM) Part Number (i.e., 89661-48J81)
2	New Calibration ID(s) (i.e., 348G9100)
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), *Diagnostics – Tools & Equipment – Battery Diagnostics*.

Follow the procedures outlined in Service Bulletin [L-SB-0015-10](#), "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**]
 - B. Affix the Authorized Modifications Label to the vehicle at the location shown in Figure 1 or 2. The Authorized Modifications Label is available through the MDC, P/N 00451-00001-LBL.
5. Test drive the vehicle to confirm proper vehicle operation.