

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
2012	RX350	

Introduction

Some 2012 model year RX 350 vehicles may exhibit a MIL "ON" condition with 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.

Warranty Information

OP CODE	DESCRIPTION	TIME	PRODUCTION	OFF	T1	T2
EG1235	Reprogram ECM (PCM) Engine	0.4	CBU	89661-48J80 89661-48J90	8A	99
			NAP	89661-0E430 89661-0E440		

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.

Calibration Information

MODEL	DRIVETRAIN	PREVIOUS CALIBRATION ID	NEW CALIBRATION ID
RX 350	2WD	348G9000	<u>348G9100</u>
	AWD	348J0000	<u>348J0100</u>

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Parts Information

DRIVE-TRAIN	PRODUCTION	PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
2WD	CBU	89661-48J80	89661-48J81	Computer, Engine Control (ECM/PCM)	-
	NAP	89661-0E430	89661-0E431		-
AWD	CBU	89661-48J90	89661-48J91		-
	NAP	89661-0E440	89661-0E441		-
-	-	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.

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
TIS Techstream* or Techstream Lite NOTE: Software version 7.31.003 or later is required.	ADE	TSPKG1 or TSLITEDLR01	1

NOTE

- 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 with this calibration file. Please use TIS Techstream or an approved J2534 interface to perform this update. 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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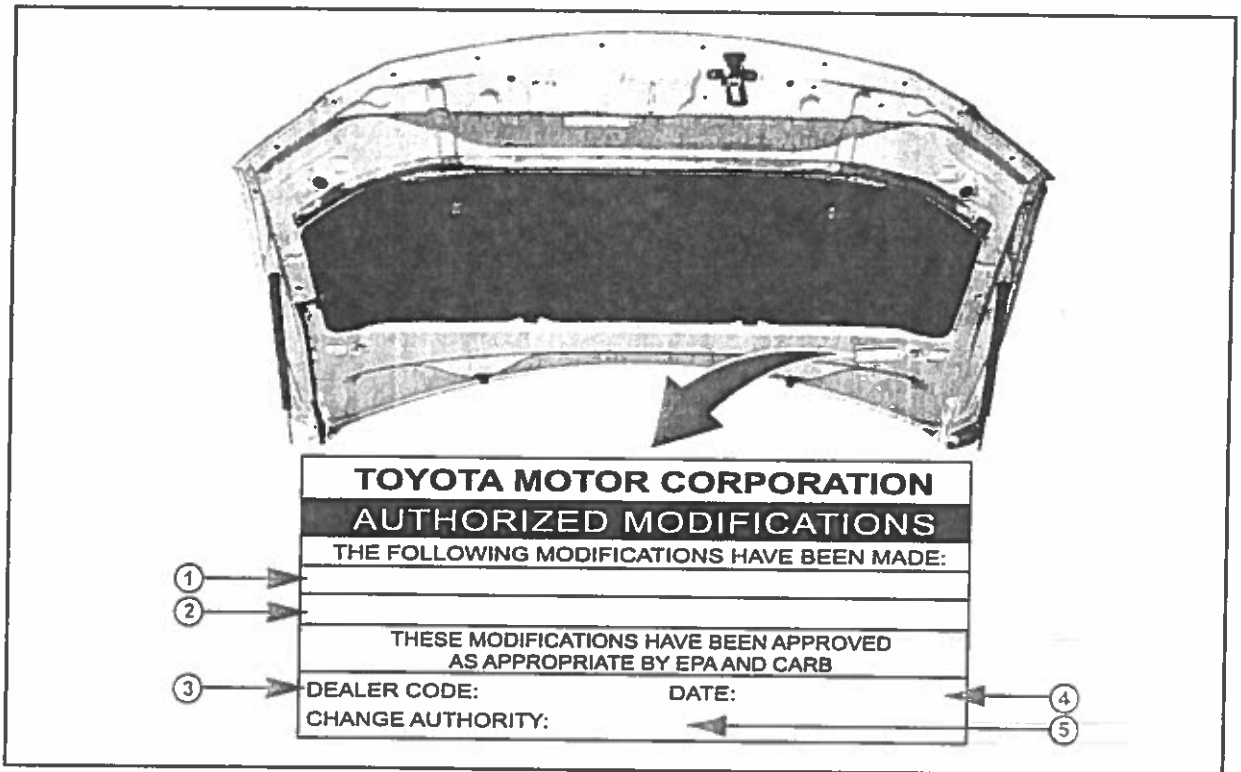
Repair Procedure

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 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 2012 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 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.