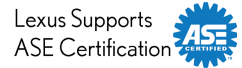


MIL "ON" DTC P219A or P219B

Service Category Engine/Hybrid System

Section Engine Control

Market USA



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 |

MIL "ON" DTC P219A or P219B

Warranty Information

| OP CODE | DESCRIPTION | TIME | MODEL | MODEL YEAR | PRODUCTION | OFF | 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 | | |
| | | | RX 350 | 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.

MIL "ON" DTC P219A or P219B

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 |

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.

MIL "ON" DTC P219A or P219B

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.

MIL "ON" DTC P219A or P219B

Repair Procedure

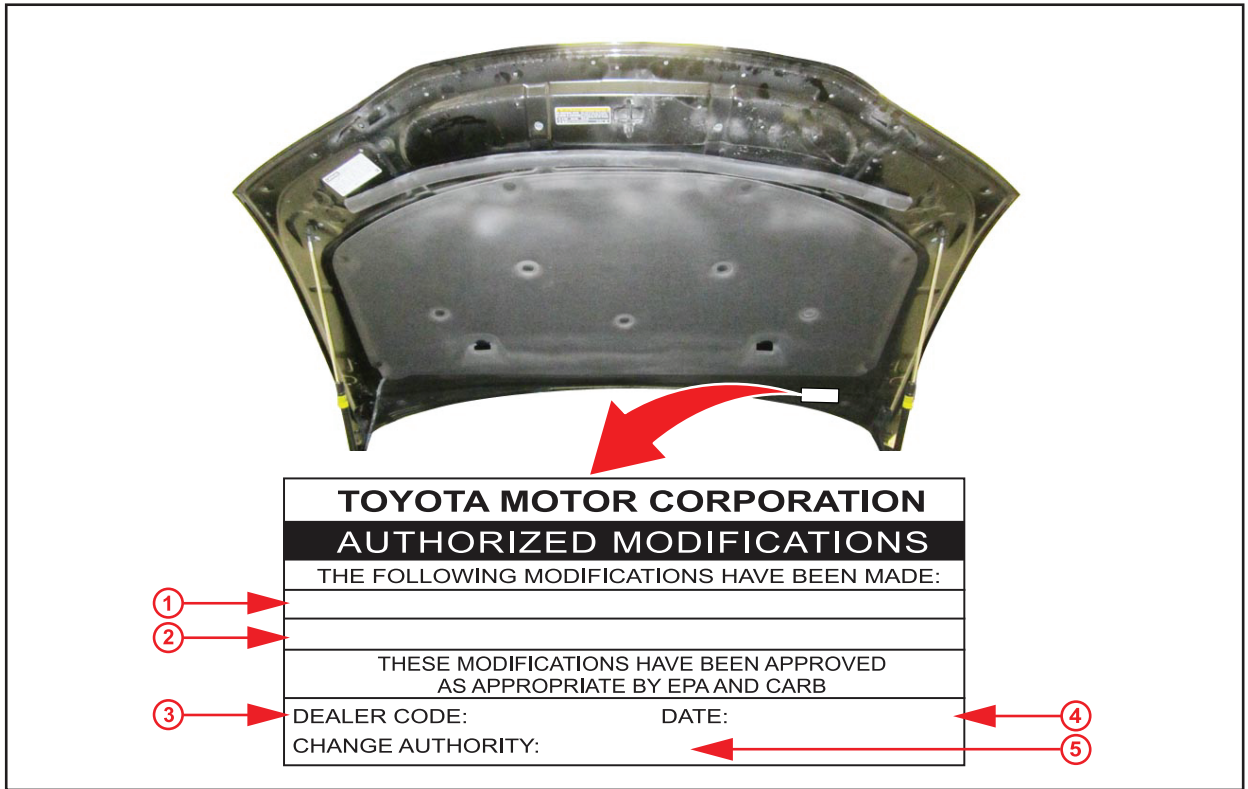
1. Using TIS Techstream, confirm one of the following DTCs are present:

- 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



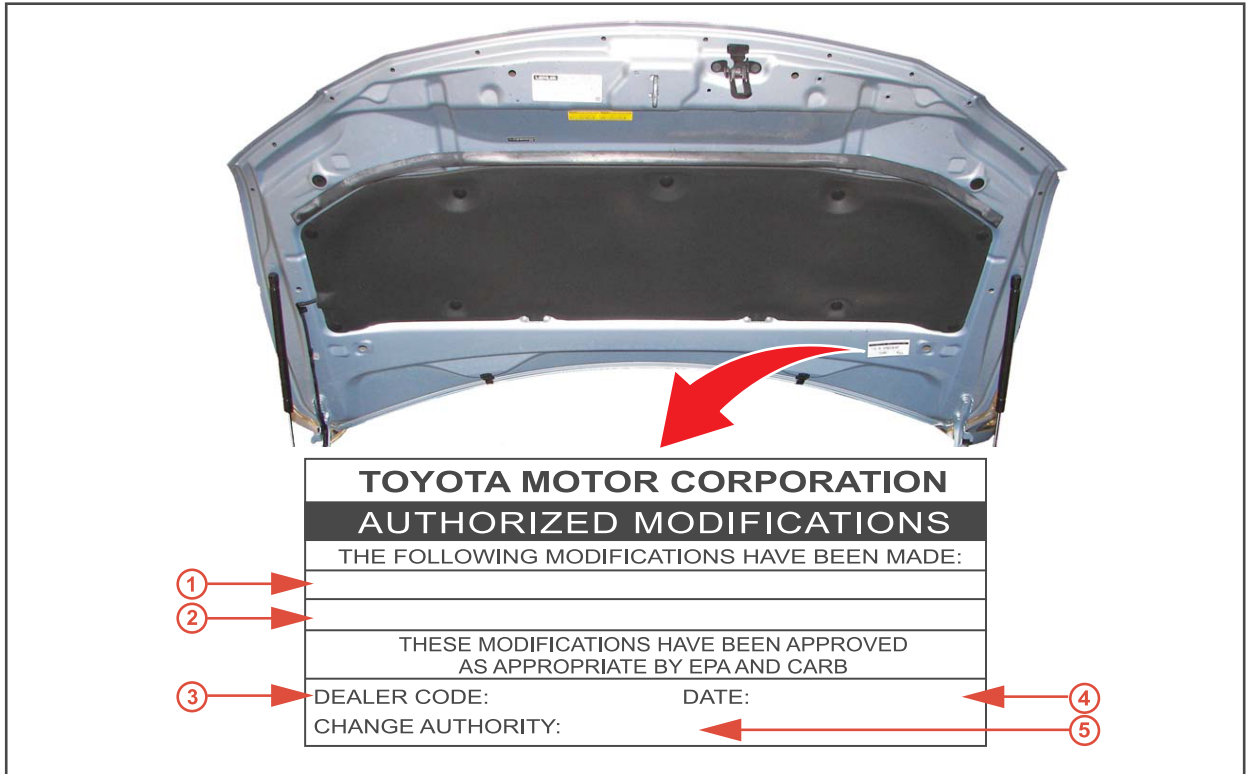
| | |
|----------|---|
| 1 | Replacement ECM (PCM) Part Number (i.e., 89661-33M71) |
| 2 | New Calibration ID(s) (i.e., 333D6100) |
| 3 | Dealer Code |

| | |
|----------|----------------|
| 4 | Date Completed |
| 5 | This SB Number |

MIL "ON" DTC P219A or P219B

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 |

MIL "ON" DTC P219A or P219B

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.