

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 |
|-------------|----------|------------------------|
| 2016 | GS F | |
| 2015 - 2016 | RC F | |

Introduction

Some 2016 model year GS F and 2015 – 2016 model year RC F vehicles may exhibit a MIL “ON” condition with Diagnostic Trouble Code (DTC) P2610 (Engine Off Timer Performance) present. The Engine Control Module (ECM) (SAE term: Powertrain Control Module/PCM) logic has been modified to reduce the possibility of this condition. Follow the Repair Procedure below to address this condition.

Warranty Information

| OP CODE | DESCRIPTION | TIME | MODEL | MODEL YEAR | OFF | T1 | T2 |
|---------|---------------------|------|-------|-------------|---|----|----|
| EG1704 | Reprogram ECM (PCM) | 0.4 | GS F | 2016 | 89661-3AC00 89661-3AC01 | 8A | 99 |
| | | | RC F | 2015 – 2016 | 89661-24890 89661-24891 89661-24893 | | |

APPLICABLE WARRANTY

- This repair is covered under the Lexus Federal Emissions 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 NAME | MODEL YEAR | PART NUMBER | | PART NAME | QTY |
|------------|-------------|---|-------------|------------------------------------|-----|
| | | PREVIOUS | NEW | | |
| GS F | 2016 | 89661-3AC00 89661-3AC01 | 89661-3AC02 | Computer, Engine Control (ECM/PCM) | – |
| RC F | 2015 – 2016 | 89661-24890 89661-24891 89661-24893 | 89661-24894 | | |
| – | – | 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 – Parts – 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 12.20.024 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- 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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Calibration Information

| MODEL | MODEL YEAR | CALIBRATION ID | |
|-------|-------------|----------------------------------|--------------------------|
| | | PREVIOUS | NEW |
| GS F | 2016 | 33075000 33075100 | 33075200 |
| RC F | 2015 – 2016 | 32428000 32428100 32428300 | 32428400 |

Repair Procedure

1. Using Techstream, check for the following stored DTC:
P2610 – Engine Off Timer Performance.
Is the DTC present?
 - **YES** — Continue to step 2.
 - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

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Repair Procedure (Continued)

2. Check for the Authorized Modifications Label affixed to the vehicle in the location shown below. Confirm if the ECM (PCM) calibration has been updated.

Is the calibration ID listed the latest ECM (PCM) calibration?

- **YES** — This Service Bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- **NO** — Continue to Step 3.

Figure 1. Location of Authorized Modifications Label on 2016 GS F and 2015 – 2016 RC F



| | |
|---|---|
| 1 | Replacement ECM (PCM) Part Number (i.e., 89661-3AC02) |
| 2 | NEW Calibration ID(s) (i.e., 33075200) |
| 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 13.5V 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-0021-14](#), "*Techstream ECU Flash Reprogramming Procedure*," and flash the ECM (PCM) with the NEW calibration file update.

4. Prepare and install the Authorized Modifications Label.
 - A. Using a permanent marker, enter the following information on the label:
 - ECM (PCM) 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. Install 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.