

# Abnormal Noise from Low Pressure Fuel Pump

**Service Category** Engine/Hybrid System

**Section** Fuel System

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016	GS F	
2015 - 2016	RC F	

## Introduction

Some 2015 – 2016 model year RC F and 2016 GS F vehicles may exhibit an abnormal buzzing noise condition from the low pressure fuel pump. The Engine Control Module (ECM) logic has been modified to reduce the possibility of this condition. Please follow the Repair Procedure below to address this condition. Please use the following link for an example of the vehicle condition.

[Example of condition.](#)

## Warranty Information

OP CODE	DESCRIPTION	TIME	MODEL	OFF	T1	T2
EG1617	Reprogram ECM (PCM)	0.4	RC F	89661-24890	91	99
			GS F	89661-3AC00		

### 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	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
RC F	89661-24890	89661-24893	Computer, Engine Control (ECM)	-
	89661-24891			
	89661-24892			
GS F	89661-3AC00	89661-3AC01		
-	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*.

### Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

**NOTE**

- Only ONE of the Techstream units listed above is required.
- Software version 11.10.034 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](http://techinfo.toyota.com) for more information regarding J2534 reprogramming.



SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
GR8 Battery Diagnostic Station*	<a href="#">00002-MCGR8</a>	1

\* Essential SST.

**NOTE**

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

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### Calibration Information

MODEL	ENGINE	CALIBRATION ID	
		PREVIOUS	NEW
RC F	2UR-GSE	32428000 32428100	<a href="#">32428300</a>
GS F		33075000	<a href="#">33075100</a>

### Repair Procedure

1. Confirm the condition. If the noise is NOT originating from the low pressure fuel pump, disregard this Service Bulletin and continue diagnosis per the Repair Manual.
2. Using Techstream, confirm calibration ID. If the calibration ID listed IS the latest ECM (PCM) calibration, disregard this Service Bulletin and continue diagnosis per the Repair Manual.

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### Repair Procedure (Continued)

- Check for the Authorized Modifications Label affixed to the vehicle in the location shown 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 4. If the calibration ID listed IS the latest ECM (PCM) calibration, disregard this Service Bulletin and continue diagnosis per the Repair Manual.

**Figure 1. Location of Authorized Modification Label for 2015 – 2016 RC F**



1	Replacement ECM (PCM) Part Number (i.e., 89661-24893)
2	New Calibration ID (i.e., 32428300)
3	Dealer Code

4	Date Completed
5	This SB Number

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## Repair Procedure (Continued)

Figure 2. Location of Authorized Modification Label for 2016 GS F



1	Replacement ECM (PCM) Part Number (i.e., 89661-3AC01)
2	New Calibration ID (i.e., 33075100)
3	Dealer Code

4	Date Completed
5	This SB Number

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### Repair Procedure (Continued)

4. 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 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-0021-14](#), “Techstream ECU Flash Reprogramming Procedure,” and flash the ECM (PCM) with the NEW calibration file update.

**NOTE**

**DTCs may set during software update. If DTCs set, please clear the codes at the completion of the update. If DTCs remain after clearing, please perform a 12V battery reset on the vehicle.**

5. 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. The Authorized Modifications Label is available through the MDC, P/N 00451-00001-LBL.
6. Test drive the vehicle to confirm the noise is no longer present.