

Chirping Noise From High-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 - 2017	GS350	VDS(s): BZ1BL, CZ1BL
2016 - 2017	RX350	VDS(s): BZMCA, ZZMCA

Introduction

Some 2016 – 2017 model year GS 350 and RX 350 vehicles may exhibit a chirping noise from the high-pressure fuel pump at idle. Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

This bulletin applies to vehicles produced **BEFORE** the Production Change Effective Engine Numbers shown below.

MODEL	ENGINE	PRODUCTION CHANGE EFFECTIVE ENGINE NUMBER
GS 350	2GR-FKS	ALL "8" Serial Engines are Pre-countermeasure
		2GR <i>9016490</i>
RX 350		2GR <i>K401232</i>
		2GR <i>M635832</i>
		2GR <i>F376960</i>

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Warranty Information

MODEL	OP CODE	DESCRIPTION	TIME	OFF	T1	T2
GS 350	EG1710	R & R Fuel Pump	0.8	23101-31090	91	43
RX 350	EG1711		1.4	23101-0P010 23101-31080		

APPLICABLE WARRANTY

- This repair is covered under the Lexus Powertrain Warranty. This warranty is in effect for 72 months or 70,000 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.
- For California specification vehicles sold, registered, and operated in California, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington, this repair is covered under the California Emission Warranty. This warranty is in effect for 84 months or 70,000 miles, whichever occurs first, from the vehicle's in-service date.

Parts Information

MODEL	PART NUMBER	PART NAME	QTY
GS 350	23101-31090	Pump Assy, Fuel	1
RX 350	23101-0P010 23101-31080		

Repair Procedure

1. Confirm the condition exists.
 Does the vehicle exhibit a chirping noise from the high-pressure fuel pump?
 Click below for a demonstration of the chirping noise:
[Chirping Noise](#)
 - **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. Remove the high-pressure fuel pump.

Refer to TIS, applicable model and model year Repair Manual:

- 2016 – 2017 GS 350:
Engine/Hybrid System – Fuel System – “[2GR-FKS Fuel: Fuel Pump\(for High Pressure\): Removal](#)”
- 2016 – 2017 RX 350:
Engine/Hybrid System – Fuel System – “[2GR-FKS Fuel: Fuel Pump\(for High Pressure\): Removal](#)”

3. Install the NEW high-pressure fuel pump.

Refer to TIS, applicable model and model year Repair Manual:

- 2016 – 2017 GS 350:
Engine/Hybrid System – Fuel System – “[2GR-FKS Fuel: Fuel Pump\(for High Pressure\): Installation](#)”
- 2016 – 2017 RX 350:
Engine/Hybrid System – Fuel System – “[2GR-FKS Fuel: Fuel Pump\(for High Pressure\): Installation](#)”

4. Confirm the chirping noise is reduced.