

Knocking Noise From Vacuum Pump

Service Category Engine/Hybrid System

Section Engine Mechanical

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2017	GS350	VDS(s): BZ1BL, CZ1BL
2016 - 2019	RX350	VDS(s): BZMCA, DZKCA, GZKCA, ZZMCA

REVISION NOTICE

November 20, 2019

- Applicability has been updated to include 2019 model year RX350 vehicles.

March 30, 2018 Rev1:

- The Warranty Information section has been updated.

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2016 – 2017 model year GS350 and 2016 – 2019 model year RX350 vehicles may exhibit a knocking noise from the vacuum pump. Follow the Repair Procedure in this bulletin to address this condition.

Production Change Information

This bulletin applies to:

- ALL 2016 – 2019 model year RX350 vehicles.
- 2016 – 2017 model year GS350 vehicles with engine serial numbers **LOWER** than the number shown below.

MODEL	ENGINE SERIAL NUMBER
GS350	8992998
	All "9" Serial Engines are Post-countermeasure

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Warranty Information

MODEL	OP CODE	DESCRIPTION	TIME	OFP	T1	T2
RX350	EG1703	R & R Vacuum Pump	2.3	29300-0P010 29300-31010	91	99
GS350	EG1707		1.9	29300-31020		

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 50,000 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.

Parts Information

MODEL	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
RX350	29300-0P010 29300-0P011	29300-0P030	Pump Assy, Vacuum	1
	29300-31010	29300-31011		
GS350	29300-31020	29300-31021		

Repair Procedure

1. Confirm the condition exists.

Is a knocking noise coming from the vacuum pump?

Refer to the audio link below for an example of the knocking noise condition:

[Knocking Noise Example](#)

- **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 vacuum pump assembly.

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

- [2016 – 2019 \[08/2016 – 08/2019\]](#) RX350:
Brake – Brake System – “Brake System (Other): Vacuum Pump: Removal”
- [2016 – 2017 \[10/2015 – \]](#) GS350:
Brake – Brake System – “Brake System (Other): Vacuum Pump(for 2GR-FKS): Removal”

3. Install the NEW vacuum pump assembly.

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

- [2016 – 2019 \[09/2015 – \]](#) RX350:
Brake – Brake System – “Brake System (Other): Vacuum Pump: Installation”
- [2016 – 2017 \[10/2015 – \]](#) GS350:
Brake – Brake System – “Brake System (Other): Vacuum Pump(for 2GR-FKS): Installation”

4. Confirm the knocking noise is reduced.