

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 - 2018	RX350	VDS(s): BZMCA, DZKCA, GZKCA, ZZMCA

Introduction

Some 2016 – 2017 model year GS 350 and 2016 – 2018 model year RX 350 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 – 2018 model year RX 350 vehicles.
- 2016 – 2017 model year GS 350 vehicles with engine serial numbers **LOWER** than the number shown below.

MODEL	ENGINE SERIAL NUMBER
GS 350	8992998
	All "9" Serial Engines are Post-countermeasure

Warranty Information

MODEL	OP CODE	DESCRIPTION	TIME	OFF	T1	T2
RX 350	EG1703	R & R Vacuum Pump	2.3	29300-0P010 29300-31010	91	99
GS 350	EG1707		0.5	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.

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Parts Information

MODEL	PART NUMBER		PART NAME	QTY
	PREVIOUS	NEW		
RX 350	29300-0P010 29300-0P011	29300-0P030	Pump Assy, Vacuum	1
	29300-31010	29300-31011		
GS 350	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.
2. Remove the vacuum pump assembly.
Refer to TIS, applicable model and model year Repair Manual:

 - [2016 / 2017 / 2018](#) RX 350:
Brake – Brake System – “Brake System (Other): Vacuum Pump: Removal”
 - [2016 / 2017](#) GS 350:
Brake – Brake System – “Brake System (Other): Vacuum Pump: Removal”
3. Install a NEW vacuum pump assembly.
Refer to TIS, applicable model and model year Repair Manual:

 - [2016 / 2017 / 2018](#) RX 350:
Brake – Brake System – “Brake System (Other): Vacuum Pump: Installation”
 - [2016 / 2017](#) GS 350:
Brake – Brake System – “Brake System (Other): Vacuum Pump: Installation”
4. Confirm the knocking noise is reduced.