


# 8AR Rocking (Forward and Back) Sensation on Acceleration and/or Buzzing Noise

**Service Category** Engine/Hybrid System

**Section** Emission Control

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016 - 2017	GS200T, IS200T, RC200T	
2018 - 2019	GS300, IS300, NX300, RC300	
2015 - 2017	NX200T	

### REVISION NOTICE

**November 12, 2018 Rev1:**

- Applicability has been updated to include 2018 – 2019 model year GS300, IS300, NX300, and RC300 vehicles.
- The entire bulletin has been updated.

Any previous printed versions of this bulletin should be discarded.

## Introduction

Some 2015 – 2019 model year Lexus vehicles equipped with the 8AR engine may exhibit a rocking (forward and back) sensation that can be felt between 30 and 70 mph under steady/high throttle input and/or a buzzing noise from the engine compartment. 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 VINs shown below.

MODEL	PLANT	ENGINE	PRODUCTION CHANGE EFFECTIVE VIN
GS	Motomachi	8AR	JTHBA1BL#JA008246
IS	Tahara		JTHBA1D2#J5083372
RC			JTHHA5BC#J5008762
NX	Kyushu		JTJYARBZ#K2129000

## 8AR Rocking (Forward and Back) Sensation on Acceleration and/or Buzzing Noise

### Warranty Information

OP CODE	MODEL	DESCRIPTION	TIME	OFFP	T1	T2
EG1654	GS, IS, RC	R & R Vacuum Regulating Valve and No. 1 Vacuum Transmitting Hose Assembly	0.5	25760-36050	87	55
	NX		0.9	25760-36040		

#### 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		
ALL	25819-0W010		Valve, Vacuum Regulating	1
NX	25760-36040	25760-36041	Hose Assy, Vacuum Transmitting, No. 1	1
GS, IS, RC	25760-36050	25760-36051	Hose Assy, Vacuum Transmitting, No. 1	1

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### Repair Procedure

1. Confirm the condition exists.

Is AT LEAST one of the following conditions present?

- A buzzing noise is present from the Vacuum Regulating Valve (VRV).

**HINT**

Unplug the VRV and observe if the noise is no longer present.

- A forward and back rocking sensation can be felt between 30 and 70 mph under steady moderate/high throttle input.

**HINT**

The turbo boost gauge equipped ONLY on F-Sport vehicles MAY fluctuate erratically during the surge condition.

- **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. Replace the vacuum regulating valve.

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

- 2015 – 2017 NX200t:  
*Engine/Hybrid System – Emission Control* – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”
- 2016 – 2017 GS200t:  
*Engine/Hybrid System – Emission Control* – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”
- 2016 – 2017 IS200t:  
*Engine/Hybrid System – Emission Control* – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”
- 2016 – 2017 RC200t:  
*Engine/Hybrid System – Emission Control* – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”
- 2018 – 2019 GS300:  
*Engine/Hybrid System – Emission Control* – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”
- 2018 – 2019 IS300:  
*Engine/Hybrid System – Emission Control* – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”
- 2018 – 2019 NX300:  
*Engine/Hybrid System – Emission Control* – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”
- 2018 – 2019 RC300:  
*Engine/Hybrid System – Emission Control* – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”

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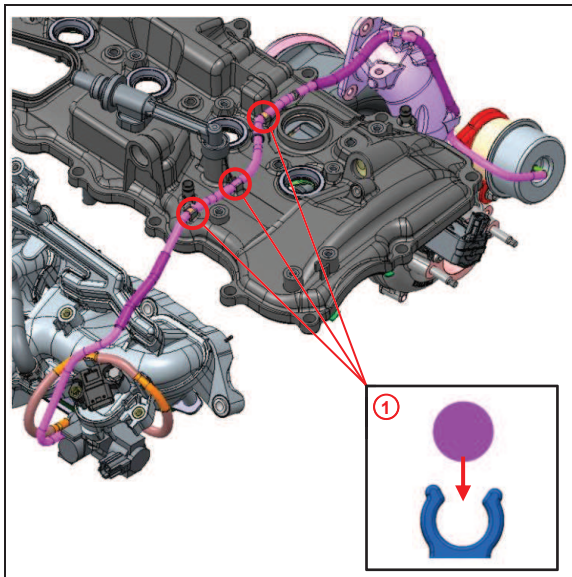
## Repair Procedure (continued)

3. Replace the No. 1 vacuum transmitting hose with the NEW No. 1 vacuum transmitting hose. Follow the routing as shown in Figure 2.

**NOTE**

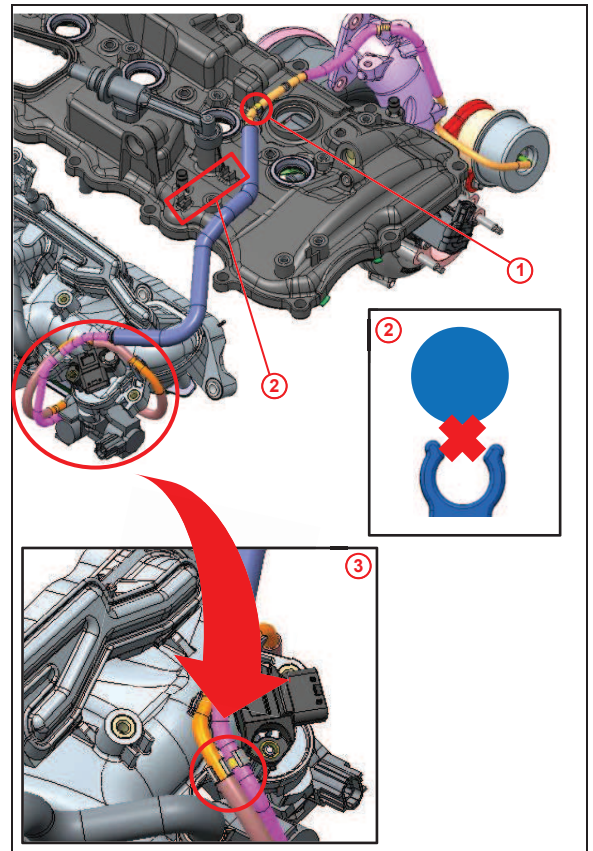
Figure 1 shows the routing of the previous No. 1 vacuum transmitting hose.

**Figure 1. Previous No. 1 Vacuum Transmitting Hose Routing**



**1** No. 1 Vacuum Transmitting Hose Clamped to Cylinder Head Cover at Three Portions

**Figure 2. New No. 1 Vacuum Transmitting Hose Routing**



<b>1</b>	No. 1 Vacuum Transmitting Hose Clamped to Cylinder Head Cover at One Portion
<b>2</b>	Cylinder Head Covers Incompatible With New No. 1 Vacuum Transmitting Hose
<b>3</b>	Additional Clamp Point (No. 1 Vacuum Transmitting Hose is Clamped to Other Hose by Using Hose Clamp)

4. Confirm the condition is no longer present.