

# 8AR Rocking (Forward and Back) Sensation on Acceleration

**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	
2015 - 2017	NX200T	

## Introduction

Some 2015 – 2017 model year NX 200t and 2016 – 2017 model year GS 200t, IS 200t, and RC 200t 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 moderate/high throttle input. 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	DRIVETRAIN	PRODUCTION CHANGE EFFECTIVE VIN
RC 200t	Tahara	2WD	JTHHA5BC#H5005718
IS 200t			JTHBA1D2#H5044739
GS 200t	Motomachi		JTHBA1BL#HA004539
NX 200t	Kyushu	2WD/4WD	JTJ#ARBZ#H2113733

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### Warranty Information

OP CODE	DRIVETRAIN	DESCRIPTION	TIME	OFF	T1	T2
EG1654	RWD	R & R Vacuum Regulating Valve	0.4	25819-0W010	87	55
	FWD		0.8	25819-0W010		

#### 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

PART NUMBER	PART NAME	QTY
25819-0W010	Valve, Vacuum Regulating	1

### Repair Procedure

1. Confirm the condition.

Is there a forward and back rocking sensation that 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. Remove and replace the vacuum regulating valve.

Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- 2015 – 2017 NX 200t:  
*Engine/Hybrid System – Emission Control – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”*
- 2016 – 2017 GS 200t:  
*Engine/Hybrid System – Emission Control – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”*
- 2016 – 2017 IS 200t:  
*Engine/Hybrid System – Emission Control – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”*
- 2016 – 2017 RC 200t:  
*Engine/Hybrid System – Emission Control – “8AR-FTS Emission Control: Vacuum Regulating Valve: [Removal](#) / [Installation](#)”*

3. Confirm the condition is no longer present.