

# Clicking Noise From Front Wheel Area During Slow Speed Turns (Non F-Sport Vehicles)

**Service Category** Drivetrain

**Section** Axle/Differential

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2016	GS200T	VDS(s): BA1BL, BZ1BL
2013 - 2016	GS350	VDS(s): BE1BL, BE1KS, BE5KS, BZ1BL
2013 - 2016	GS450H	VDS(s): BS1BL
2016	RC200T	
2015 - 2016	RC350	VDS(s): HA5BC, HE5BC

## Introduction

Some 2013 – 2016 model year GS (non-F-Sport) and 2015 – 2016 model year RC (non-F-Sport) vehicles equipped with 2WD drivetrain may exhibit a clicking type noise coming from the front wheel area during a slow (parking lot) speed turn. Follow the Repair Procedure in this bulletin to address this condition.

## Warranty Information

OP CODE	DESCRIPTION	TIME	OFFP	T1	T2
BR1601	Install Painted Front Axle Hub Shim	1.4	43201-30030 43202-30040	91	41

### 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

PART NUMBER	PART NAME	QTY
47791-30010	Plate, Disc Brake Air Guide, RH	2

**NOTE**

- The above part number includes 1 shim.
- Even though the part description says “RH” this shim is the same for the right and left sides.

### Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	

\* Essential SST.

**NOTE**

- Only ONE of the Techstream units listed above is required.
- Software version 11.00.017 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.

### Repair Procedure

1. Confirm that the condition the vehicle is exhibiting is the same as what is mentioned in the introduction. There is also a video of the condition below.

[Example of the condition.](#)

Does the vehicle exhibit the same noise?

- **YES** — Go to step 2.
  - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
2. Is this vehicle a non-F-Sport 2WD?
    - **YES** — Go to step 3.
    - **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

## Clicking Noise From Front Wheel Area During Slow Speed Turns (Non F-Sport Vehicles)

### Repair Procedure (Continued)

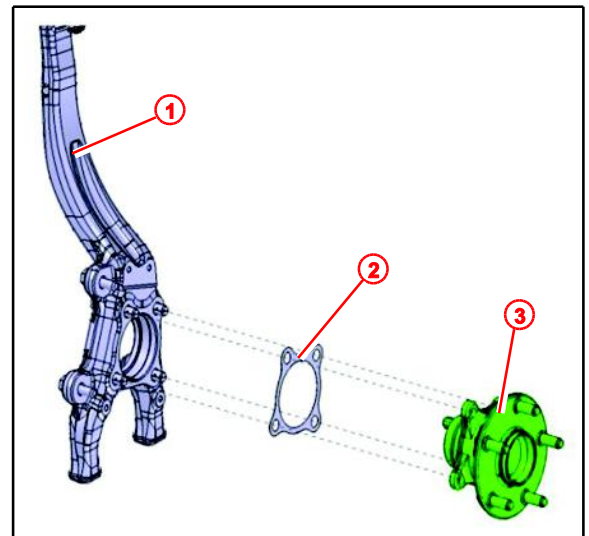
3. Install the Front Axle Hub Shim (Plate, Disk Brake AIR Guide RH) as shown below. (It is recommended to install a shim onto the RH and LH side at the same time.)

A. Remove the front hub bearing. Refer to the Technical Information System (TIS), applicable model and model year Repair Manual:

- [2016](#) GS 200t:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Removal”*
- [2013](#) / [2014](#) / [2015](#) / [2016](#) GS 350:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Removal”*
- [2013](#) / [2014](#) / [2015](#) / [2016](#) GS 450h:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Removal”*
- [2016](#) RC 200t:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Removal”*
- [2015](#) / [2016](#) RC 350:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Removal”*

B. Install the painted brake shim as shown.

**Figure 1.**



<b>1</b>	<b>Knuckle</b>
<b>2</b>	<b>Shim</b>
<b>3</b>	<b>Hub Bearing</b>

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### Repair Procedure (Continued)

#### C. Install the hub bearing.

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

- [2016](#) GS 200t:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Installation”*
- [2013](#) / [2014](#) / [2015](#) / [2016](#) GS 350:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Installation”*
- [2013](#) / [2014](#) / [2015](#) / [2016](#) GS 450h:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Installation”*
- [2016](#) RC 200t:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Installation”*
- [2015](#) / [2016](#) RC 350:  
*Drivetrain – Axle/Differential – “Axle and Differential: Front Axle Hub: Installation”*

4. Test drive the vehicle to confirm that the clicking noise has been eliminated.