

# Brake Vibration and Lug Nut Torque

**Service Category** Brake

**Section** Brake (front)

**Market** USA

Lexus Supports  
ASE Certification 

## Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2015 - 2018	CT200H, ES350, GS F, GS200T, GS350, GS450H, GX460, IS250, IS250C, IS350, IS350C, LC500H, LS460, LS600H, LX570, NX200T, NX300H, RC F, RC200T, RC300, RC350, RX350, RX450H	

## Introduction

The purpose of this bulletin is to notify technicians of the best practices to help reduce brake vibration conditions for our customers. The condition can occur at any time if improper torque is applied to lug nuts. Over time, even one lug nut over- or under-torqued can cause a vibration condition. When lug nuts are over-torqued, this causes the rotor to have a runout condition, which can lead to brake vibration conditions.

## Warranty Information

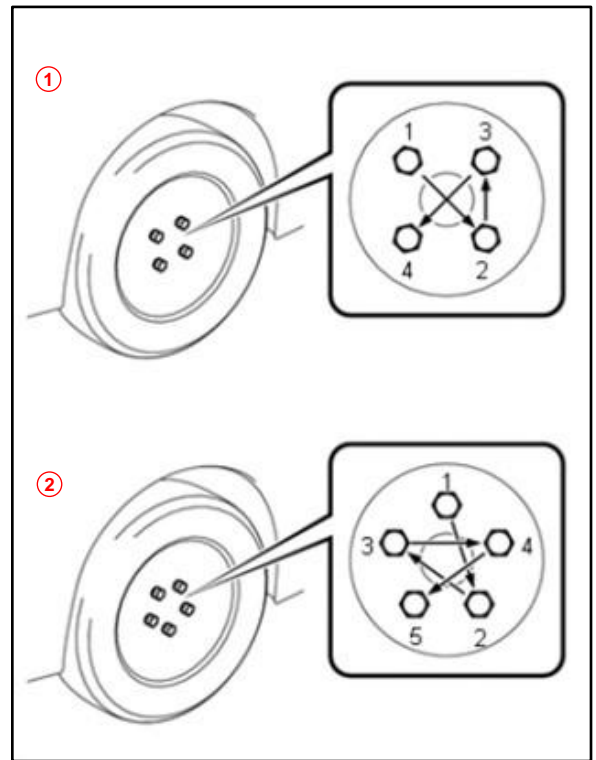
OP CODE	DESCRIPTION	TIME	OFF	T1	T2
N/A	Not Applicable to Warranty	–	–	–	–

## Brake Vibration and Lug Nut Torque

### Best Practices

1. Refer to the Technical Information System (TIS), applicable model and model year Repair Manual to obtain the appropriate torque value.
2. Apply torque in a star pattern by using either a torque wrench or torque stick.

**Figure 1.**



<b>1</b>	For 4-Bolt Axle Hub
<b>2</b>	For 5-Bolt Axle Hub

3. The tightening of lug nuts should be applied by using either a torque wrench or torque stick.

**NOTE**

Make sure the torque wrench or torque stick used are calibrated on a regular schedule.