

Squawk Type Noise When Releasing Brake Pedal

Service Category Brake

Section Brake Control/Dynamic Control System

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2007 - 2016	LS460, LS600H	

Introduction

Some 2007 – 2016 model year LS 460/LS 600h vehicles may exhibit a squawk and or a knocking type noise coming from the engine compartment when releasing the brake pedal. 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
LS 460	Tahara	2WD	JTHBL5EF#G5143004
		4WD	JTHCL5EF#G5027442
LS 460 L		2WD	JTHGL5EF#G5057160
		4WD	JTHDL1EF#G5007969
LS 600h		4WD	JTHDU1EF#G5020077

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BR1605	Brake Bleed Only	1.0	44050-50110	91	99
BR1606	Brake Bleed and Actuator Replacement	3.1			

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
PREVIOUS	NEW		
44050-50110	44050-50170	Actuator Assembly, Brake	1
44050-50130			
44050-50150			
44050-50170			
44050-50090			

Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream 2.0*	ADE	TS2UNIT	1
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

* Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- Software version 11.20.019 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 vehicle has a squawk or knocking type noise from the engine compartment when releasing the brake pedal.

See the video below for further clarification of the noise:

[Squawk/knocking noise from engine compartment](#)

Is there a squawk or knocking type noise when releasing the brake pedal?

- **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. Bleed the brake system.

NOTE

- For 2008 – 2016 model year vehicles follow the bleeding work list instructions for if the brake actuator has been replaced (NOT "air bleeding (no part replacement)"). I.E. Be sure to unplug both actuator connectors and zero down the brake actuator before selecting the "Actuator has been removed" Techstream led bleed procedure.
- Be sure to NOT let brake fluid level get below the low line level at any point during bleed procedure.

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

- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) / [2015](#) / [2016](#) LS 460 / LS 460 L:
Brake – Brake Fluid – "Brake: Brake Fluid: Replacement"
- [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) / [2015](#) / [2016](#) LS 600h:
Brake – Brake Fluid – "Brake: Brake Fluid: Replacement"

3. Is the squawk/knocking type noise *still present* after bleeding the brakes?

- **YES** — Continue to step 4.
- **NO** — Repair is complete. Verify the proper operation of the brake system and that no noise is present while braking.

4. Replace the Brake Actuator Assembly.

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

- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) / [2015](#) / [2016](#) LS 460 / LS 460 L:
Brake – Brake Fluid – "Brake Control: Brake Actuator: Removal"
- [2007](#) / [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) / [2015](#) / [2016](#) LS 460 / LS 460 L:
Brake – Brake Fluid – "Brake Control: Brake Actuator: Installation"
- [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) / [2015](#) / [2016](#) LS 600H:
Brake – Brake Fluid – "Brake Control: Brake Actuator: Removal"
- [2008](#) / [2009](#) / [2010](#) / [2011](#) / [2012](#) / [2013](#) / [2014](#) / [2015](#) / [2016](#) LS 600H:
Brake – Brake Fluid – "Brake Control: Brake Actuator: Installation"

5. Confirm the proper operation of the brake system and that no noise is present from brake actuator when releasing brake pedal.