

Knock/Clunk Noise From Rear Brakes

Service Category Brake

Section Brake (rear)

Market USA and Mexico

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2018 - 2023	LS500, LS500H	

REVISION NOTICE

March 15, 2024 Rev1:

- **Applicability has been updated to include 2022 – 2023 model year LS 500, LS 500h vehicles.**
- **The Introduction, Required Tools & Equipment, and Repair Procedure sections have been updated.**

Any previous printed versions of this bulletin should be discarded.

Introduction

Some 2018 – 2023 model year LS 500 and LS 500h vehicles may exhibit a knock/clunk noise from the rear of the vehicle when applying the brakes while driving forward and/or in reverse. The noise is most noticeable when coming to a complete stop. Improved rear brake pads are available to correct this condition. Follow the Repair Procedure in this bulletin to address this condition.

Knock/Clunk Noise From Rear Brakes

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Warranty Information

For USA Market

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BR2401	R & R Rear Brake Pads	0.7	04466-#####*	91	99
Combo A	Opposite Side	0.1			

*Warranty claim MUST be submitted with the correct 10-digit OFF. Choose the correct OFF for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

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.

For Mexico Market

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
BR2401	R & R Rear Brake Pads	0.7	04466-#####*	91	99
Combo A	Opposite Side	0.1			

*Warranty claim MUST be submitted with the correct 10-digit OFF. Choose the correct OFF for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 80,000 kilometers, 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		
04466-11010 04466-50180	04466-50210	Pad Kit, Disc Brake, Rear	1

Required Tools & Equipment

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Spreader, Disc Brake Piston Wide Type	09719-77020	1

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335 (USA) or 01-800-504-5330 (Mexico).

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
ChassisEAR™ (or equivalent)	ADE	JSP06608 (JS Products)	1

NOTE

- A mechanic's stethoscope or similar tool may be used in place of ChassisEAR™.
- ChassisEAR™ may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 (USA) or 01-55-50103041 (Mexico).

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

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- GTS+ version 2024.01.002.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787 (USA) or 01-55-50103041 (Mexico).

Knock/Clunk Noise From Rear Brakes

Repair Procedure

1. Confirm the condition exists.

Is a knock/clunk noise present from the rear of the vehicle when applying the brakes while driving forward and/or in reverse?

NOTE

- The noise may be more noticeable at slower speeds when coming to a complete stop.
- Use ChassisEAR™ if necessary to help identify the source of the noise.

- **YES** — Continue to step 2.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

2. Install updated brake kit to BOTH rear brake calipers.

A. Remove the rear brake pad kits.

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

- [2018 – 2023](#) LS 500 (except 4-pot caliper):
General – Maintenance – Rear Disc Brake Pad (Except 4-pot Caliper) – Removal
- [2018 – 2020](#) / [2021](#) / [2022](#) / [2023](#) LS 500h (except 4-pot caliper):
General – Maintenance – Rear Disc Brake Pad (Except 4-pot Caliper) – Removal
- [2018 – 2019](#) / [2020 – 2023](#) LS 500 (for 4-pot caliper):
General – Maintenance – Rear Disc Brake Pad (For 4-pot Caliper) – Removal
- [2018 – 2019](#) / [2020](#) / [2021](#) / [2022](#) / [2023](#) LS 500h (for 4-pot caliper):
General – Maintenance – Rear Disc Brake Pad (For 4-pot Caliper) – Removal

B. Install the NEW rear brake pad kits.

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

- [2018 – 2023](#) LS 500 (except 4-pot caliper):
General – Maintenance – Rear Disc Brake Pad (Except 4-pot Caliper) – Installation
- [2018 – 2020](#) / [2021](#) / [2022 – 2023](#) LS 500h (except 4-pot caliper):
General – Maintenance – Rear Disc Brake Pad (Except 4-pot Caliper) – Installation
- [2018 – 2023](#) LS 500 (for 4-pot caliper):
General – Maintenance – Rear Disc Brake Pad (For 4-pot Caliper) – Installation
- [2018 – 2020](#) / [2021](#) / [2022 – 2023](#) LS 500h (for 4-pot caliper):
General – Maintenance – Rear Disc Brake Pad (For 4-pot Caliper) – Installation

3. Test-drive the vehicle to confirm the condition is no longer present.