

LEXUS 04945-50080

Lexus 04945-50080 Disc Brake Pad Shim Instruction Manual

INTRODUCTION

This manual provides essential information for the proper installation and maintenance of the Lexus 04945-50080 Disc Brake Pad Shim. Adhering to these instructions ensures optimal performance and longevity of your vehicle's braking system. For safety, it is recommended that installation be performed by a qualified technician.

PRODUCT OVERVIEW

The Lexus 04945-50080 Disc Brake Pad Shim is a genuine OEM component designed to reduce noise and vibration in the brake system. Shims are typically installed between the brake pad backing plate and the caliper piston, acting as a dampener to prevent squealing and improve overall braking feel.



Image 1: The Lexus 04945-50080 Disc Brake Pad Shim kit, shown in its original sealed packaging. The label clearly displays the part number 04945-50080 and indicates it is a genuine Toyota part, made in Japan. The shim itself is visible through the clear plastic, appearing as a dark, flat component.

VEHICLE COMPATIBILITY

This brake pad shim is compatible with the following Lexus models:

- 2007-2010 Lexus LS460
- 2008-2010 Lexus LS600hL

Always verify compatibility with your specific vehicle's year, make, and model before installation.

SAFETY INFORMATION

WARNING:

- Brake system work requires specialized knowledge and tools. Incorrect installation can lead to brake failure, resulting in serious injury or death.
- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the vehicle is securely supported on jack stands before working underneath it.
- Allow brake components to cool completely before handling.
- Dispose of old brake components and fluids responsibly according to local regulations.

SETUP AND INSTALLATION

Tools Required:

- Vehicle jack and jack stands
- Lug wrench
- Socket set and ratchet
- Brake caliper compression tool
- Wire brush
- Brake cleaner
- High-temperature brake lubricant (e.g., silicone-based)

Installation Steps:

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and block the wheels. Loosen the lug nuts on the wheel(s) where the brake shim will be installed.
2. **Lift and Secure:** Safely lift the vehicle using a jack and secure it with jack stands. Remove the lug nuts and the wheel.
3. **Remove Caliper and Pads:** Carefully remove the brake caliper mounting bolts. Do not let the caliper hang by the brake hose; support it with a wire or bungee cord. Remove the old brake pads.
4. **Clean Components:** Thoroughly clean the caliper, caliper bracket, and hub assembly using a wire brush and brake cleaner. Ensure all rust, dirt, and old lubricant are removed.
5. **Install New Shims:** Apply a thin layer of high-temperature brake lubricant to the back of the new brake pads where the shim will contact. Place the new Lexus 04945-50080 brake pad shims onto the backing plates of the new brake pads. Ensure they are seated correctly and do not interfere with any moving parts.
6. **Install New Pads:** Insert the new brake pads with shims into the caliper bracket. Ensure they slide freely.

7. **Compress Caliper Piston:** Use a brake caliper compression tool to retract the caliper piston(s) to accommodate the new, thicker brake pads.
8. **Reinstall Caliper:** Carefully position the caliper over the new pads and rotor. Reinstall and torque the caliper mounting bolts to the manufacturer's specifications.
9. **Reinstall Wheel:** Reinstall the wheel and hand-tighten the lug nuts.
10. **Lower Vehicle and Torque:** Lower the vehicle to the ground. Torque the lug nuts to the manufacturer's specifications in a star pattern.
11. **Test Brakes:** Before driving, pump the brake pedal several times until a firm pedal feel is achieved. Drive slowly in a safe area and test the brakes to ensure proper function.

OPERATING CONSIDERATIONS

Once installed, the brake pad shims operate passively as part of your vehicle's braking system. Their primary function is to dampen vibrations and reduce noise. No specific user operation is required for the shims themselves. However, proper break-in procedures for new brake pads should be followed as recommended by the brake pad manufacturer to ensure optimal performance of the entire braking system.

MAINTENANCE

Regular inspection of your vehicle's braking system is crucial for safety and performance. During routine brake inspections (typically every 10,000-15,000 miles or as recommended by your vehicle manufacturer), check the following:

- **Brake Pad Wear:** Ensure brake pads have sufficient friction material remaining.
- **Rotor Condition:** Inspect rotors for excessive wear, scoring, or warping.
- **Caliper Function:** Verify that calipers are moving freely and not seizing.
- **Shim Condition:** Check that the brake pad shims are still securely in place and not damaged or corroded. Replace shims if they show signs of wear or damage.
- **Brake Fluid Level and Condition:** Ensure brake fluid is at the proper level and appears clean.

If any issues are observed, consult a qualified technician for diagnosis and repair.

TROUBLESHOOTING

If you experience any of the following issues after installing new brake pads with shims, consider these troubleshooting steps:

- **Brake Squeal/Noise:**
 - Ensure shims are correctly installed and lubricated.
 - Verify brake pads are seated properly.
 - Check for proper caliper movement and lubrication of caliper pins.
 - Inspect rotors for uneven wear or glazing.
- **Vibration During Braking:**
 - Check for warped brake rotors.
 - Ensure lug nuts are properly torqued.
 - Inspect wheel bearings and suspension components.

- **Soft Brake Pedal:**

- This is usually not related to shims. Check for air in the brake lines, low brake fluid, or a faulty master cylinder.

For persistent issues, seek professional automotive service.

SPECIFICATIONS

Attribute	Detail
Part Number	04945-50080
Brand	LEXUS (Genuine OEM)
Manufacturer	Lexus
Item Weight	11.2 ounces
Package Dimensions	5.3 x 3.8 x 1.2 inches
Position	Rear
Compatibility	2007-2010 Lexus LS460, 2008-2010 Lexus LS600hL

WARRANTY INFORMATION

For specific warranty details regarding the Lexus 04945-50080 Disc Brake Pad Shim, please refer to the official Lexus warranty documentation provided with your purchase or contact an authorized Lexus dealer. Warranty terms typically cover manufacturing defects and may vary based on region and purchase conditions.






CUSTOMER SUPPORT

If you have questions about the Lexus 04945-50080 Disc Brake Pad Shim, require technical assistance, or need to report an issue, please contact your authorized Lexus dealer or the seller from whom the product was purchased. Provide your vehicle's VIN and the part number for efficient support.

You can find contact information for authorized Lexus service centers on the official Lexus website:

www.lexus.com/dealers

Related Documents - 04945-50080

	<p>2014 Lexus GX460 Parking Brake Assembly Disassembly Guide</p> <p>Detailed instructions for disassembling the parking brake assembly on a 2014 Lexus GX460, including removal of the rear wheel, brake cylinder, disc, and various shoe components.</p>
	<p>Lexus LS600hL Owner's Manual: Comprehensive Guide to Your Vehicle</p> <p>Discover the comprehensive Lexus LS600hL Owner's Manual. This guide provides essential information on safety features, driving operations, interior systems, maintenance procedures, troubleshooting, and vehicle specifications for your luxury hybrid sedan.</p>
	<p>Lexus IS300/IS200 Brake System Service and Repair Manual</p> <p>Comprehensive guide for Lexus IS300 and IS200 models covering brake fluid bleeding, master cylinder service, brake booster inspection and installation, and brake actuator operation and removal. Includes detailed procedures, torque specifications, and troubleshooting tips.</p>
	<p>Lexus GS300/GS430 Service Manual: Special Tools & Equipment Guide</p> <p>Essential guide for Lexus GS300 and GS430 owners and technicians, detailing Special Service Tools (SST), recommended equipment, and materials for comprehensive vehicle maintenance and repair across all major systems.</p>
	<p>2002 Lexus ES300 Repair Manual: How to Use and Service Your Vehicle</p> <p>A comprehensive repair manual for the 2002 Lexus ES300. This guide covers vehicle identification, detailed repair procedures, essential safety precautions, troubleshooting for ECU-controlled systems, and definitions of technical terms. It is an indispensable resource for automotive technicians and owners performing maintenance and repairs.</p>
 <p>2015 LS 460, LS 460L WARRANTY AND SERVICES GUIDE</p>	<p>2015 Lexus LS 460 & LS 460 L Warranty and Services Guide</p> <p>Comprehensive guide for 2015 Lexus LS 460 and LS 460 L owners, covering warranty, complimentary services, maintenance schedules, and owner responsibilities. Learn about vehicle care and support from Lexus.</p>

