

## Bosch BS801

# BOSCH BS801 Blue Drum Brake Shoe Set

## Instruction Manual

Model: BS801

### 1. PRODUCT OVERVIEW

The Bosch BS801 Blue Drum Brake Shoe Set is engineered to deliver consistent and superior braking performance. These brake shoes feature 100% asbestos-free, bonded friction formulations, 100% new steel components, and a precision-engineered OE style design for proper fit and straightforward installation. Metal components are treated with a rust inhibitive coating to prevent corrosion and extend durability. This set includes brake shoes for one axle (two wheels).



Figure 1: The BOSCH BS801 Blue Drum Brake Shoe Set, displaying four individual brake shoes designed for rear axle installation.

## 2. KEY FEATURES

- **Precision Engineered Design:** OE style design ensures proper fit for a no-hassle installation.
- **Asbestos-Free Friction:** 100% asbestos-free friction formulations provide extended wear, consistent braking performance, and long life.
- **Durable Construction:** Made with 100% all-new steel for durable construction and long product life.
- **Corrosion Protection:** Rust inhibitive coating prevents rust and extends durability of metal components.

- **Complete Axle Set:** Includes brake shoes for one axle (two wheels).

### 3. COMPATIBILITY

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This brake shoe set is designed for the REAR axle of the following vehicle:

- **2003-2008 Toyota Corolla** (USA production only - for Japan built models, please use BS832).

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

### 4. WHAT'S IN THE BOX

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The BOSCH BS801 Blue Drum Brake Shoe Set includes:

- Brake Shoes for One Axle (4 pieces total)

*Note: Hardware kit is not included and must be purchased separately if needed.*



Figure 2: The BOSCH BS801 Blue Drum Brake Shoe Set as typically packaged.

## 5. INSTALLATION INSTRUCTIONS

**WARNING:** Brake system work requires specialized knowledge and tools. Improper installation can lead to brake failure, resulting in serious injury or death. If you are not experienced in automotive brake system repair, it is strongly recommended to seek professional assistance from a certified mechanic.

**General Guidelines:**

1. **Safety First:** Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves. Ensure the vehicle is securely supported on jack stands on a level surface.
2. **Consult Service Manual:** Refer to your vehicle's specific service manual for detailed, step-by-step instructions, torque specifications, and any special tools required for drum brake shoe replacement.
3. **Inspect Components:** Before installation, thoroughly inspect all related brake components, including the drum, wheel cylinders, springs, and hardware. Replace any worn or damaged parts.
4. **Cleanliness:** Keep all brake components clean and free from grease, oil, or brake fluid.
5. **Hardware:** It is recommended to replace drum brake hardware (springs, retainers, adjusters) when replacing brake shoes to ensure optimal performance and prevent premature wear. This set does not include hardware.
6. **Bleeding the System:** After replacing brake shoes and any hydraulic components (like wheel cylinders), the brake system must be properly bled to remove air.
7. **Break-in Procedure:** Follow the manufacturer's recommended break-in procedure for new brake shoes to ensure proper seating and optimal performance. This typically involves a series of moderate stops from varying speeds.

### Visual Aid:

For a general overview of Bosch brake components and their quality, you may refer to the following video. Please note that this video provides general information about Bosch automotive parts and may not show specific drum brake shoe installation steps.

Your browser does not support the video tag.

Video Description: This video from Bosch Automotive provides a general overview of Bosch auto parts, emphasizing their quality and suitability for vehicle maintenance. It highlights various components including brakes, filters, and spark plugs, showcasing the brand's commitment to performance and reliability. While not a step-by-step installation guide for drum brake shoes, it offers insight into the manufacturing standards and benefits of using Bosch products.

## 6. MAINTENANCE

Regular inspection and maintenance of your vehicle's brake system are crucial for safety and longevity. Follow these general maintenance tips:

- **Routine Inspections:** Have your brake system inspected by a qualified technician at least once a year or every 12,000 miles (20,000 km), or as recommended by your vehicle manufacturer.
- **Check Brake Fluid:** Regularly check your brake fluid level and condition. Brake fluid should be clear and free of contaminants. Replace brake fluid according to your vehicle manufacturer's schedule.
- **Listen for Warning Signs:** Pay attention to any unusual noises (squealing, grinding), vibrations, or changes in brake pedal feel. Address these issues promptly.
- **Drum Inspection:** During brake service, ensure the brake drums are inspected for wear, scoring, or cracks. Drums may need to be machined or replaced if they are beyond service limits.
- **Cleanliness:** Keep the area around the brake drums clean to prevent dirt and debris from entering the brake assembly.

## 7. TROUBLESHOOTING

If you experience issues with your drum brake system after installation or during normal operation, consider the following common problems and general solutions:

- **Squealing/Grinding Noise:**

- **Possible Cause:** New shoes not properly broken in, worn hardware, contaminated friction material, or worn drums.
- **Solution:** Perform proper break-in procedure. Inspect and replace hardware. Check for fluid leaks or contamination. Inspect drums for wear.
- **Soft or Spongy Brake Pedal:**
  - **Possible Cause:** Air in the hydraulic system, low brake fluid, or faulty wheel cylinder.
  - **Solution:** Bleed the brake system. Check and top off brake fluid. Inspect wheel cylinders for leaks and replace if necessary.
- **Brakes Dragging/Overheating:**
  - **Possible Cause:** Improperly adjusted parking brake, seized wheel cylinder, or incorrect shoe adjustment.
  - **Solution:** Check and adjust parking brake. Inspect wheel cylinders. Ensure brake shoes are correctly adjusted.
- **Uneven Braking/Pulling to One Side:**
  - **Possible Cause:** Contaminated shoes on one side, faulty wheel cylinder, or uneven shoe wear.
  - **Solution:** Inspect both sides of the brake system for contamination or damage. Ensure all components are functioning correctly.

*For persistent issues, consult a professional automotive technician.*





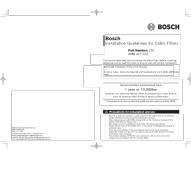
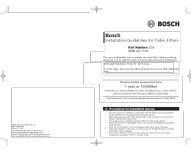
## 8. SPECIFICATIONS

Attribute	Detail
Brand	Bosch
Model Number	BS801
Material	Alloy Steel (backing plate)
Auto Part Position	Rear
Vehicle Service Type	Car
Number of Items	1 (set for one axle)
Item Weight	1 pounds
Product Dimensions	8 x 8 x 4 inches
UPC	077212049462

## 9. WARRANTY AND SUPPORT

Bosch products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the official Bosch Automotive website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

## Related Documents - BS801

	<p><a href="#">Bosch TPA 300 Quick Start Guide: Automotive TPMS Diagnostic Tool</a></p> <p>Get started quickly with the Bosch TPA 300, a professional diagnostic tool for automotive tire pressure monitoring systems (TPMS). Learn about its features, included accessories, and basic operation.</p>
	<p><a href="#">Bosch OBD1200 CodeConnect® User Guide: Automotive Diagnostics</a></p> <p>Comprehensive user guide for the Bosch OBD1200 CodeConnect® automotive diagnostic scan tool. Learn about its features for reading DTCs, viewing live data, troubleshooting, and vehicle compatibility.</p>
	<p><a href="#">Bosch Electronic Brake System (EBS) Manual - Motorsport Technical Guide</a></p> <p>Comprehensive manual for the Bosch Electronic Brake System (EBS) in motorsport applications, detailing installation, technical specifications, CAN protocols, PWM signals, and diagnostic procedures.</p>
	<p><a href="#">Bosch ADS Software Update Ver 6.6 - March 2025 - Enhanced Vehicle Coverage and Features</a></p> <p>Detailed release notes for Bosch ADS Software Update Ver 6.6, released March 2025. Includes new vehicle coverage for 2024-2025 models, over 10,000 special tests, ADAS calibrations, and expanded diagnostic functions for numerous automotive brands.</p>
	<p><a href="#">Bosch Z07 Cabin Filter Installation Guide - Easy Replacement Instructions</a></p> <p>Step-by-step installation guide for the Bosch Z07 cabin filter (Part Number 0986 AF7 012). Learn how to replace your car's cabin filter safely and efficiently with these clear instructions.</p>
	<p><a href="#">Bosch Z05 Cabin Filter Installation Guide</a></p> <p>Step-by-step instructions for installing and replacing Bosch Z05 cabin filters (Part Number 0986 AF7 016) in vehicles. Includes important safety precautions and recommended replacement intervals.</p>