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JBL GTO328

JBL Stage 602 6-1/2" 2-Way Coaxial Car Audio Speakers User Manual

Model: GTO328 | Brand: JBL

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your JBL Stage 602 6-1/2" 2-Way Coaxial Car Audio Speakers. Please read this manual thoroughly before attempting installation or operation to ensure proper use and optimal performance.

KEY FEATURES

- **Speaker Type:** 6.5" Stage Series 2-Way Coaxial Car Speakers
- **Cone Material:** Injection-molded polypropylene cone for enhanced durability and sound quality.
- **Tweeter:** PEI Balanced Dome Tweeter for clear high-frequency reproduction.
- **Impedance:** 4 ohms, optimized for compatibility with a wide range of car audio systems.
- **Frequency Response:** 55 - 22000 Hz, providing a broad audio spectrum.
- **Sensitivity:** 91dB, ensuring efficient power conversion into sound.
- **Power Handling:** 135W Peak / 45W RMS per speaker.
- **Top-Mount Depth:** 2-5/16" for flexible installation.

PACKAGE CONTENTS

Your JBL Stage 602 speaker package typically includes the following items:

- Two (2) JBL Stage 602 6-1/2" Coaxial Speakers

- Two (2) Speaker Grilles
- Mounting Hardware (screws, clips)
- Speaker Brackets (for various mounting options)
- Speaker Foam (for minimizing unwanted sounds/vibrations)
- Owner's Manual / Documentation



Figure 1: Two JBL Stage 602 coaxial speakers with protective grilles.



Figure 2: A single JBL Stage 602 speaker, revealing the polypropylene cone and PEI balanced dome tweeter.

SETUP AND INSTALLATION

Proper installation is crucial for optimal sound performance and speaker longevity. If you are unsure about any steps, it is recommended to seek professional assistance.

1. Safety Precautions

- Disconnect the vehicle's battery before starting any electrical work.
- Wear appropriate safety gear, including eye protection.
- Ensure all wiring is correctly connected to prevent damage to the speakers or vehicle's electrical system.
- Avoid overtightening screws to prevent stripping or damaging mounting surfaces.

2. Preparing for Installation

- Remove Existing Speakers:** Carefully remove the existing car audio speakers from their mounting locations (e.g., door panels, rear deck). This may involve removing trim panels, screws, and disconnecting wiring.
- Check Fitment:** Compare the JBL Stage 602 speakers with the original speakers and the mounting location. Use the provided mounting brackets if necessary to ensure a secure fit.
- Wiring:** Identify the positive (+) and negative (-) speaker wires from your vehicle's audio system. Ensure proper polarity when connecting the new speakers.



Figure 3: Speaker dimensions for fitment verification. Top-mount depth is 2-5/16 inches.

3. Speaker Mounting

- Secure Speakers:** Place the JBL Stage 602 speakers into the prepared mounting locations. Use the provided screws to secure them firmly. If using mounting brackets, attach the brackets first, then the speakers to the brackets.
- Apply Foam:** Apply the included speaker foam around the speaker's edge where it meets the mounting surface. This helps to minimize vibrations and improve sound quality by creating a better seal.
- Connect Wiring:** Connect the vehicle's speaker wires to the terminals on the JBL Stage 602 speakers. Ensure the positive (+) wire connects to the positive terminal and the negative (-) wire connects to the negative terminal.
- Install Grilles:** If desired, attach the speaker grilles over the speakers.
- Reassemble:** Reassemble any removed trim panels or components.

4. General Installation Guidance

For a visual guide on upgrading car audio speakers, including insights into speaker components and mounting

options, refer to the video below. This video provides general information applicable to JBL GTO series speakers, which share similar installation principles.

Your browser does not support the video tag.

Video 1: General guidance on upgrading factory car audio systems with JBL GTO speakers. This video covers speaker components, mounting brackets, and tweeter installation options.

OPERATING YOUR SPEAKERS

Once installed, your JBL Stage 602 speakers will operate as part of your vehicle's existing audio system. No specific operational controls are on the speakers themselves.

- **Audio Source:** Play audio through your car's head unit (radio, CD player, media player).
- **Volume Control:** Adjust the volume using your head unit's controls.
- **Tone Controls:** Utilize your head unit's equalizer (EQ), bass, treble, and balance/fader controls to fine-tune the sound to your preference. Start with flat settings and make small adjustments.
- **Break-in Period:** Allow a short break-in period (typically 10-20 hours of normal listening) for the speaker components to loosen up and achieve their optimal sound performance.

MAINTENANCE AND CARE

To ensure the longevity and continued performance of your JBL Stage 602 speakers, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Avoid Overpowering:** Do not drive the speakers with an amplifier that exceeds their recommended RMS power handling (45W RMS per speaker) to prevent damage.
- **Environmental Factors:** Protect speakers from extreme temperatures, direct sunlight for prolonged periods, and excessive moisture.
- **Regular Inspection:** Periodically check the speaker cones and surrounds for any signs of damage or wear.

TROUBLESHOOTING

If you experience issues with your speakers, consult the following common troubleshooting steps:

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|------------------------|---|---|
| No sound from speakers | Loose wiring connection; Incorrect polarity; Blown fuse in head unit/amplifier; Faulty speaker. | Check all wiring connections; Verify correct polarity (+ to + and - to -); Check fuses; Test speaker with another audio source. |
| Distorted sound | Volume too high; Incorrect tone settings; Overpowering speakers; Damaged speaker cone/surround. | Reduce volume; Adjust EQ/tone controls; Ensure amplifier power matches speaker RMS; Inspect speakers for physical damage. |
| Weak or no bass | Incorrect polarity; Poor speaker seal; Low bass setting on head unit. | Verify correct polarity; Ensure speakers are securely mounted with foam seal; Increase bass setting on head unit/EQ. |

SPECIFICATIONS

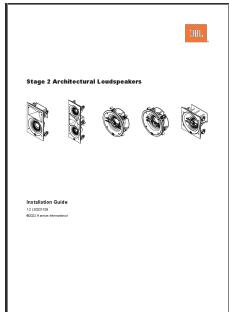
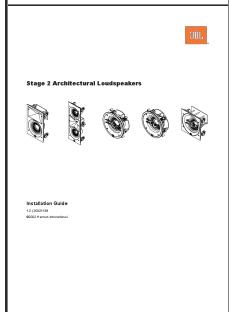
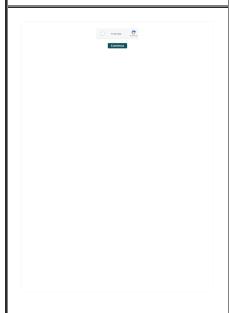
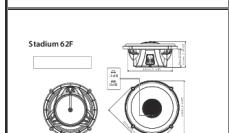
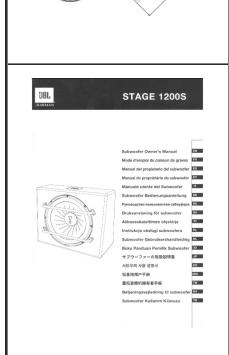
| Feature | Detail |
|-----------------------|---------------------------------|
| Model Number | GTO328 |
| Speaker Type | 6.5" 2-Way Coaxial Car Speakers |
| Power Handling (RMS) | 45 Watts per speaker |
| Power Handling (Peak) | 135 Watts per speaker |
| Impedance | 4 Ohms |
| Frequency Response | 55 Hz - 22000 Hz |
| Sensitivity | 91dB |
| Top-Mount Depth | 2-5/16" |
| Material | Polypropylene, PEI, Plastic |
| Item Weight | 3.41 pounds |
| Manufacturer | Harman Kardon |

WARRANTY AND SUPPORT

JBL Stage 602 speakers come with a **1-year limited warranty**. For warranty claims, technical support, or further assistance, please contact JBL customer service or visit the official JBL website.

For additional product information and support, you may visit the [JBL Store on Amazon](#).

Related Documents - GTO328

| | |
|--|--|
|  | <p><u>JBL Stage 2 Architectural Loudspeakers Installation Guide</u></p> <p>Installation guide for JBL Stage 2 Series Architectural Loudspeakers, covering in-wall and in-ceiling models, safety precautions, installation steps, specifications, and accessories.</p> |
|  | <p><u>JBL Stage 2 Architectural Loudspeakers Installation Guide</u></p> <p>Comprehensive installation guide for JBL Stage 2 Series architectural loudspeakers, covering in-wall and in-ceiling models, safety precautions, installation steps, and detailed specifications.</p> |
|  | <p><u>Connecting JBL Speakers Together: A Comprehensive Guide</u></p> <p>Learn how to connect multiple JBL speakers wirelessly via Bluetooth for an enhanced audio experience. This guide covers connecting JBL speakers using the JBL Connect and Connect+ features, as well as troubleshooting common connection issues.</p> |
|  | <p><u>JBL Stage XD Indoor/Outdoor Speakers Quick Start Guide & Installation</u></p> <p>Get started with your JBL Stage XD Indoor/Outdoor Speakers. This guide provides essential information, installation steps, safety warnings, and specifications for the Stage XD-5 and Stage XD-6 models.</p> |
|  | <p><u>JBL Stadium Series Car Speakers: Features, Specifications, and Installation Guide</u></p> <p>Explore the JBL Stadium Series car audio speakers, featuring high-resolution tweeters, Plus One™ woofers, and detailed specifications for various models. Find out what's included in the box and technical data for enhanced car audio.</p> |
|  | <p><u>JBL Stage 1200S Subwoofer Owner's Manual and Installation Guide</u></p> <p>This document provides the owner's manual, installation instructions, technical specifications, and warranty information for the JBL Stage 1200S sealed slim enclosure subwoofer. It guides users on proper installation, care, and safe listening practices.</p> |