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JBL Stage 3627F

JBL Stage 3627F 6.5-inch Two-Way Car Audio Speaker Instruction Manual

Model: Stage 3627F

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1. INTRODUCTION

Thank you for choosing the JBL Stage 3627F 6.5-inch Two-Way Car Audio Speakers. These speakers are designed to deliver premium sound quality and enhanced performance for your vehicle's audio system. Featuring Plus One™ woofer cones and edge-driven dome tweeters, they provide superior output and a smooth, broad frequency response. This manual provides essential information for proper installation, operation, and maintenance of your new speakers.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing or using the speakers. Keep this manual for future reference.

- **Professional Installation Recommended:** Car audio installation can be complex. If you are unsure about any step, consult a qualified professional installer.
- **Disconnect Battery:** Always disconnect the vehicle's negative battery terminal before starting any electrical work to prevent short circuits and damage.
- **Wiring:** Ensure all wiring is correctly connected, insulated, and secured to prevent shorts, electrical fires, or interference. Use appropriate gauge wiring.
- **Mounting:** Securely mount speakers to prevent them from becoming loose during vehicle operation, which could cause injury or damage.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Listen at moderate levels.
- **Ventilation:** Ensure adequate ventilation around the speakers and any associated amplifiers to prevent overheating.
- **Avoid Water/Moisture:** These speakers are not waterproof. Avoid exposure to water or excessive moisture.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 2 x JBL Stage 3627F 6.5-inch Two-Way Car Audio Speakers
- Mounting hardware (screws, clips) - *Note: Some packages may not include foam gaskets or all hardware.*
- Instruction Manual (this document)



Image 1: Front view of the JBL Stage 3627F 6.5-inch two-way car audio speaker. The speaker features a black cone with a red JBL logo and a red 'V' shaped tweeter in the center.

4. INSTALLATION

The JBL Stage 3627F speakers are designed for easy integration into most vehicle audio systems. Follow these general steps for installation. Specific vehicle requirements may vary.

4.1 Tools Required

- Screwdrivers (Phillips and flathead)
- Wire strippers/crimpers
- Drill (if new mounting holes are needed)

- Socket wrench set
- Electrical tape or heat shrink tubing
- Multimeter (optional, for checking polarity)

4.2 General Installation Steps

1. **Disconnect Vehicle Battery:** Before beginning any work, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
2. **Remove Existing Speakers:** Carefully remove the door panels or speaker grilles to access the factory speakers. Disconnect the wiring and unmount the old speakers.
3. **Prepare Mounting Location:** Ensure the mounting location is clean and free of obstructions. The JBL Stage 3627F speakers are 6.5 inches in diameter. Verify fitment and make any necessary modifications to the speaker opening or mounting holes.
4. **Connect Wiring:** Connect the vehicle's speaker wires to the terminals on the JBL Stage 3627F speakers. Pay close attention to polarity (positive to positive, negative to negative). The speakers have a 2 Ohm impedance.



Image 2: Rear view of the JBL Stage 3627F speaker, highlighting the wiring terminals for connection to the vehicle's audio system. The speaker label shows "STAGE3 627F" and "45Wrms 135W PEAK".

5. **Mount Speakers:** Place the new JBL speakers into the mounting location. Use the provided screws or appropriate hardware to secure them firmly. Do not overtighten.





Image 3: Side profile of the JBL Stage 3627F speaker, illustrating its mounting depth and vented basket frame design. This view helps assess fitment in tight spaces.

6. **Test Speakers:** Before reassembling the interior, reconnect the vehicle battery and test the speakers with your car's audio system to ensure they are functioning correctly and sound balanced.
7. **Reassemble:** Once confirmed, reassemble any removed panels or grilles.

For optimal performance, consider pairing these speakers with a compatible amplifier that can handle their 2 Ohm impedance and power requirements (up to 225 Watts peak).

5. OPERATION

The JBL Stage 3627F speakers are passive components of your car's audio system. Their operation is directly controlled by your vehicle's head unit (radio) and any connected amplifiers.

- **Audio Source:** Select your desired audio source (radio, CD, Bluetooth, etc.) from your head unit.
- **Volume Control:** Adjust the volume to a comfortable listening level. Avoid excessively high volumes to prevent speaker damage and hearing loss.
- **Tone Controls:** Use your head unit's bass, treble, and balance controls to fine-tune the sound to your preference.
- **Fader/Balance:** Adjust the fader (front-to-rear) and balance (left-to-right) to optimize the sound stage within your vehicle.



Image 4: A pair of JBL Stage 3627F speakers, showcasing their design and readiness for installation into a car audio system.

6. MAINTENANCE

Proper care will ensure the longevity and optimal performance of your JBL Stage 3627F speakers.

- **Cleaning:** Gently wipe the speaker cones and surrounds with a soft, dry cloth. Do not use harsh chemicals, solvents, or abrasive cleaners.
- **Avoid Moisture:** Keep speakers dry. If they become wet, allow them to air dry completely before use.
- **Environmental Protection:** While designed for vehicle use, extreme temperatures or direct sunlight for extended periods can affect speaker materials.
- **Secure Mounting:** Periodically check that the speakers remain securely mounted and that all wiring connections are tight.

7. TROUBLESHOOTING

If you experience issues with your speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect wiring Blown fuse in amplifier/head unit Speaker damaged Head unit/amplifier issue	Check all wiring connections for tightness and correct polarity. Inspect fuses in your audio system. Test with another known-good speaker if possible. Consult your head unit/amplifier manual.
Distorted sound	Volume too high Incorrect amplifier gain settings Loose mounting Damaged speaker cone/surround	Reduce volume. Adjust amplifier gain settings appropriately. Ensure speakers are securely mounted. Visually inspect speaker for damage.
Weak or unbalanced sound	Incorrect fader/balance settings Incorrect wiring polarity One speaker not functioning	Adjust fader and balance controls on your head unit. Verify correct wiring polarity for all speakers. Check individual speaker connections and functionality.

If the problem persists after trying these solutions, contact JBL customer support or a professional car audio technician.

8. SPECIFICATIONS

Here are the technical specifications for the JBL Stage 3627F speakers:

- **Model Name:** Stage 3627F
- **Speaker Type:** Woofer (Two-way coaxial)
- **Speaker Size:** 6.5 Inches
- **Woofer Diameter:** 6.5 Inches
- **Tweeter Diameter:** 1 Inches
- **Speaker Maximum Output Power:** 225 Watts (Peak)
- **RMS Power:** 45 Watts
- **Impedance:** 2 Ohms

- **Frequency Response:** 60 Hz - 20 kHz
- **Input Voltage:** 2.83 Volts
- **Connectivity Technology:** Wired
- **Mounting Type:** Car Mount
- **Material:** Plastic
- **Item Weight:** 3.05 pounds
- **Included Components:** 2 x Speakers
- **Color:** Black
- **Water Resistance Level:** Not Water Resistant
- **UPC:** 050036353984

9. WARRANTY AND SUPPORT

JBL products are designed for reliability and performance. This product comes with a limited warranty.

- **Warranty Type:** Limited
- **Warranty Details:** For specific terms and conditions of the limited warranty, please refer to the warranty card included with your product or visit the official JBL website. The warranty typically covers manufacturing defects for a specified period from the date of purchase.
- **Customer Support:** If you have questions about installation, operation, or troubleshooting that are not covered in this manual, please contact JBL customer support. You can find contact information on the official JBL website or through your retailer.
- **Online Resources:** Visit the official JBL website (www.jbl.com) for product registration, FAQs, and additional support resources.