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> JBL A352Hi 6-1/2" (16.5cm) 350W Coaxial Car Speakers Instruction Manual

## JBL A352HI

# JBL A352Hi 6-1/2" (16.5cm) Coaxial Car Speakers Instruction Manual

Model: A352HI

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your JBL A352Hi 6-1/2 inch (16.5cm) coaxial car speakers. Please read this manual thoroughly before attempting installation or operation to ensure optimal performance and safety. The JBL A352Hi speakers are designed to deliver clear audio performance for your vehicle's sound system.

## 2. SAFETY INFORMATION

Always observe the following safety precautions:

- Disconnect the vehicle's battery negative terminal before starting any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated to prevent electrical shorts and damage to components.
- Mount speakers securely to prevent them from becoming loose during vehicle operation.
- Avoid installing speakers in locations that obstruct vehicle safety features or driver visibility.
- Do not expose speakers to excessive moisture or extreme temperatures.
- If you are unsure about any installation steps, consult a qualified professional installer.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 2 x JBL A352Hi Coaxial Speakers
- Installation Accessories (if included)
- 1 x Owner's Manual

## 4. PRODUCT FEATURES

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The JBL A352Hi speakers incorporate several design elements for enhanced audio performance:

- **6-1/2" (160mm) Coaxial Speaker:** Standard size for many vehicle applications.
- **IMPP-Injection-molded polypropylene cone:** Designed for durability and responsive bass.
- **PEI Balanced Dome Tweeter:** Provides clear and crisp high-frequency sound reproduction.
- **Max Power 350W, 47W RMS:** Capable of handling significant power for dynamic sound.
- **Frequency Response 55Hz to 20kHz:** Offers a broad range of audible frequencies.
- **Sensitivity (2.83v@1m) - 91dB:** Efficient power conversion for louder sound output.
- **Onboard Crossover:** Integrates woofer and tweeter frequencies for a balanced sound.

## 5. INSTALLATION GUIDE

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This section provides general guidelines for installing your JBL A352Hi speakers. Specific vehicle requirements may vary.

### 5.1. Preparation

1. **Gather Tools:** You will need basic hand tools such as screwdrivers, wire strippers, crimpers, and possibly a drill.
2. **Disconnect Battery:** Always disconnect the negative terminal of your vehicle's battery before beginning any electrical work.
3. **Access Speaker Location:** Carefully remove door panels or other trim pieces to access the factory speaker locations. Refer to your vehicle's service manual for specific instructions.

### 5.2. Speaker Mounting

The JBL A352Hi speakers are designed to fit most factory openings with a mounting cutout diameter of 5-12/16" (145.7mm).

1. **Remove Old Speakers:** Disconnect wiring and unmount the existing factory speakers.
2. **Test Fit:** Place the new JBL A352Hi speaker into the opening to ensure a proper fit. If necessary, use speaker adapters (not included) for a secure installation.
3. **Secure Speakers:** Use the provided screws and clips (if applicable) to firmly mount the speakers. Ensure there is no rattling or movement.

### 5.3. Wiring Connections

Proper wiring is crucial for optimal sound quality and to prevent damage.

1. **Identify Polarity:** Observe the positive (+) and negative (-) terminals on the speaker and match them to the corresponding wires from your vehicle's audio system or amplifier. Typically, the positive terminal is marked with a '+' or a larger tab, and the negative terminal with a '-' or a smaller tab.
2. **Connect Wires:** Securely connect the speaker wires to the terminals. Ensure connections are tight and free from corrosion.
3. **Insulate Connections:** Use electrical tape or heat shrink tubing to insulate all exposed wire connections to prevent short circuits.



**Image 1:** Front and rear view of two JBL A352HI 6-1/2 inch coaxial car speakers. The speaker on the left shows the front view with the polypropylene cone and PEI balanced dome tweeter, featuring the JBL logo. The speaker on the right shows the rear view, revealing the magnet structure, speaker terminals, and product label with model number A352HI, 47W RMS, and 350W Peak power ratings.

## 5.4. Final Steps

1. **Reassemble:** Carefully reattach any removed trim panels or covers.
2. **Reconnect Battery:** Reconnect the negative terminal of your vehicle's battery.
3. **Test System:** Turn on your car's audio system and test the new speakers at a low volume. Gradually increase the volume to ensure proper function and sound quality.

## 6. OPERATING INSTRUCTIONS

Once installed, your JBL A352Hi speakers operate as part of your vehicle's audio system. They are designed to reproduce audio signals from your head unit or amplifier.

- **Power On:** Turn on your car's head unit or amplifier.
- **Volume Control:** Adjust the volume to a comfortable listening level. Avoid excessively high volumes that can cause distortion or speaker damage.
- **Audio Settings:** Use your head unit's equalizer and balance/fader controls to fine-tune the sound to your preference. Ensure the balance and fader are set correctly to distribute sound evenly among all speakers.
- **Amplifier Compatibility:** For optimal performance, ensure your amplifier's output power matches the RMS power handling of the speakers (47W RMS).

## 7. MAINTENANCE

Proper care will extend the life and performance of your speakers.

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker mounts and wiring connections for tightness and signs of wear.

- **Environmental Protection:** While the speakers are designed for automotive use, avoid prolonged exposure to direct sunlight or extreme temperatures when possible, as this can degrade materials over time. The product is not waterproof.

## 8. TROUBLESHOOTING

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If you experience issues with your JBL A352Hi speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect wiring connection; Speaker damaged; Head unit/amplifier issue	Check all wiring connections for proper polarity and tightness. Test with another known-good speaker. Verify head unit/amplifier is functioning correctly.
Distorted sound	Volume too high; Amplifier clipping; Incorrect audio settings; Speaker damaged	Reduce volume. Check amplifier gain settings. Adjust equalizer settings on head unit. Inspect speaker cone for physical damage.
Weak or no bass	Incorrect wiring polarity; Phase issue; Speaker not sealed properly	Verify correct wiring polarity (+ to + and - to -). Ensure speaker is securely mounted and sealed in its enclosure.
Intermittent sound	Loose wiring; Faulty connection	Check all wiring connections, especially at the speaker terminals and head unit/amplifier.

## 9. TECHNICAL SPECIFICATIONS

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Detailed specifications for the JBL A352Hi Coaxial Car Speakers:

Feature	Specification
Model	A352HI
Speaker Type	Coaxial
Speaker Size	6.5 Inches (16.5 cm)
Woofer Diameter	6.5 Inches
Tweeter Diameter	1 Inches
Material	IMPP Cone; PEI Dome Tweeter
Max Power Output	350 Watts
RMS Power	47 Watts
Impedance	4 Ohm
Frequency Response	55 Hz to 20 kHz
Sensitivity (2.83v@1m)	91 dB
Mounting Cutout Diameter	5-12/16" (145.7mm)
Product Dimensions	18.5D x 36W x 9H Centimeters
Item Weight	1.4 kg (1399 Grams)
Country of Origin	China
Is Waterproof	False

## 10. WARRANTY AND SUPPORT

JBL products are manufactured by Harman International Industries, Inc. For warranty information and customer support, please refer to the warranty card included with your product or visit the official JBL website.

- **Warranty:** The specific warranty period and terms are detailed in the warranty card provided with your purchase. Please retain your proof of purchase for warranty claims.
- **Technical Support:** For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact JBL customer support through their official channels.
- **Manufacturer:** Harman International Industries, Inc.