

KICKER 51KSC3504

KICKER 51KSC3504 KS-Series 3.5" Coaxial Speakers
Instruction Manual

Model: 51KSC3504

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KICKER 51KSC3504 KS-Series 3.5" Coaxial Speakers. The KS-Series speakers are designed to deliver high-quality audio, featuring internally dampened polypropylene cones and durable rubber surrounds for clear midrange and robust bass. Their design allows for easy integration into various vehicle types without extensive modifications.

WHAT'S IN THE BOX

- Two KICKER 51KSC3504 KS-Series 3.5" Coaxial Speakers
- Mounting hardware (may include various brackets for different vehicle models)
- Speaker wire
- Quick-Start Guide

PRODUCT FEATURES

- **Concert-like Volume:** Designed to produce high volume levels while maintaining audio clarity.
- **High-Performance Woofers:** Utilize internally dampened polypropylene cones and tough rubber surrounds for detailed midrange and strong bass response.
- **Upgraded Design:** Features redesigned cones, voice coils, and crossovers for enhanced sound quality compared to factory speakers.
- **Minimal Tweeter Protrusion:** Engineered for a near-flush fit in most vehicle applications, reducing the need for modifications.

SPECIFICATIONS

Attribute	Value
Product Dimensions	1.88 x 3.07 x 3.07 inches
Item Weight	1.4 pounds

Attribute	Value
Item Model Number	51KSC3504
Manufacturer	Kicker
Speaker Type	Coaxial
Speaker Size	3.5 inches
Impedance	4-Ohm

Setup and Installation

Safety Precautions

- Disconnect the vehicle's negative battery terminal before starting installation to prevent electrical shorts.
- Wear appropriate safety gear, including eye protection.
- Ensure all wiring is properly insulated and secured to prevent damage or interference.
- Consult your vehicle's service manual for specific panel removal and wiring diagrams.

Mounting the Speakers

1. **Remove Existing Speakers:** Carefully remove door panels or dashboard grilles to access the factory speaker locations. Disconnect the wiring.
2. **Check Fitment:** Use the provided mounting brackets (if necessary) to ensure a proper fit for the 3.5" speakers in your vehicle's designated locations. The KS-Series speakers are designed for minimal tweeter protrusion to aid in fitment.
3. **Secure Speakers:** Mount the KICKER speakers using the supplied screws and hardware. Ensure they are securely fastened to prevent vibration and rattling.

Wiring Connections

1. **Identify Polarity:** Connect the positive (+) terminal of the speaker to the positive (+) speaker wire from your head unit or amplifier. Connect the negative (-) terminal of the speaker to the negative (-) speaker wire. Incorrect polarity can lead to poor sound quality.
2. **Use Proper Gauge Wire:** Ensure the speaker wire used is of adequate gauge for the power output to prevent signal loss and overheating.
3. **Secure Connections:** Use crimp connectors or solder connections for reliable electrical contact. Insulate all connections with heat shrink tubing or electrical tape.

Connecting to Audio Source

These speakers can be powered directly by your vehicle's head unit or an external amplifier. For optimal performance and to fully utilize the speaker's capabilities, an external amplifier is recommended. Ensure the amplifier's output matches the speaker's 4-Ohm impedance and RMS power handling.

Operating Instructions

1. **Initial Power-On:** After installation, reconnect the vehicle's battery. Turn on your audio system at a low volume.
2. **Test All Speakers:** Verify that sound is coming from all installed speakers and that the audio is clear and free of distortion.
3. **Adjust Audio Settings:** Use your head unit or amplifier's equalizer (EQ) and crossover settings to fine-tune the sound. For coaxial speakers, a high-pass filter can protect the speakers from damaging low frequencies if a subwoofer is present in the system.
4. **Break-In Period:** Allow a break-in period of several hours of normal listening to allow the speaker components to loosen and achieve their optimal sound characteristics.

Maintenance

- **Cleaning:** Use a soft, dry cloth to wipe down the speaker grilles and surrounds. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker connections for tightness and ensure no wires are frayed or exposed. Inspect the speaker cones and surrounds for any signs of damage.
- **Environmental Protection:** While designed for automotive use, avoid exposing speakers to excessive moisture or extreme temperatures for prolonged periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound from speakers	Loose or incorrect wiring; Blown fuse; Amplifier/head unit issue	Check all speaker connections and polarity. Verify fuses in the audio system. Test with another audio source if possible.
Distorted sound	Overpowering speakers; Incorrect gain settings; Damaged speaker	Reduce volume or amplifier gain. Check for proper impedance matching. Inspect speaker cone for physical damage.
Low volume output	Incorrect wiring; Low power input; Audio settings	Ensure correct polarity. Verify adequate power from head unit/amplifier. Adjust volume and EQ settings.
Rattling or buzzing	Loose mounting; Panel vibration; Damaged speaker	Tighten mounting screws. Apply sound deadening material to panels. Inspect speaker for damage.

MEDIA GALLERY



Front view of the KICKER 51KSC3504 KS-Series 3.5 inch coaxial speaker, showing the cone and tweeter.



Angled view of the KICKER 51KSC3504 KS-Series 3.5 inch coaxial speaker, highlighting its compact design.



Side view of the KICKER 51KSC3504 KS-Series 3.5 inch coaxial speaker, showing the depth and mounting points.

WARRANTY AND SUPPORT

KICKER products are backed by a manufacturer's warranty. Please refer to the warranty card included with your product or visit the official KICKER website for detailed warranty information and support contacts. For technical assistance or service, contact KICKER customer support.

