

KICKER 46CSC654

KICKER CS Series 46CSC654 6.5-inch Speaker Upgrade Kit for Kia Forte (2019-2024) Instruction Manual

Model: 46CSC654+KF1920SHA

1. INTRODUCTION

This manual provides detailed instructions for the installation and operation of your KICKER CS Series 46CSC654 6.5-inch Speaker Upgrade Kit for Kia Forte (2019-2024). Please read this manual thoroughly before beginning installation to ensure proper setup and optimal performance.

The kit includes:

- Two KICKER 46CSC654 6.5-inch CS Series 2-Way Coaxial Car Speakers
- Two Vixen Go VGH-72-7302 Speaker Harnesses
- Two Vixen Go VGB6703 Speaker Mounting Adapters

2. SAFETY INFORMATION

Always disconnect the vehicle's battery before performing any electrical work. Ensure all connections are secure to prevent short circuits. If you are unsure about any step, consult a professional car audio installer.

Disclaimer:

Compatibility is based on available vehicle information. Vehicle specifications can differ due to specific trims or premium audio systems. Always verify fitment for your specific vehicle. Professional installation is recommended to ensure the kit does not interfere with window operation or other OEM parts. Retain all factory screws and fasteners as they may be required for installation.

OEM SPEAKER KIT DISCLAIMER

We have done our best to ensure compatibility based on vehicle information which is currently available to us.

Your vehicle's specifications can differ due to specific trims and or premium audio systems, for example. Please check your specific vehicle to ensure the fit, or consult a professional installer to establish that this kit will not interfere in the operation of windows or other OEM parts.

Please keep all factory screws and other fasteners during installation as these may be needed.

Image: OEM Speaker Kit Disclaimer. This image displays a warning regarding vehicle compatibility and the importance of professional installation, advising users to retain factory parts.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 2 x KICKER 46CSC654 6.5-inch Coaxial Speakers
- 2 x Vixen Go Speaker Harnesses (VGH-72-7302)
- 2 x Vixen Go Speaker Mounting Adapters (VGB6703)



Image: KICKER CS Series Speaker Kit Components. This image shows the complete kit, including two KICKER 6.5-inch coaxial speakers, two speaker harnesses, and two speaker mounting adapters, along with a KICKER branded koozie.

4. SETUP AND INSTALLATION

This section outlines the general steps for installing the KICKER CS Series speakers in your Kia Forte (2019-2024). Specific vehicle disassembly instructions are not provided here and may require consulting your vehicle's service manual or an online resource.

4.1 Tools Required

- Panel removal tools
- Screwdrivers (Phillips and flathead)
- Socket wrench set
- Wire strippers/crimpers (if custom wiring is needed, though harnesses are included)
- Safety glasses

4.2 Installation Steps

1. **Disconnect Battery:** Before starting any work, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.

2. **Remove Door Panels:** Carefully remove the door panels where the speakers are to be installed. Refer to your vehicle's specific instructions for this step.
3. **Remove Factory Speakers:** Unscrew and remove the existing factory speakers from their mounting locations. Disconnect the factory wiring harness.
4. **Install Mounting Adapters:** Attach the Vixen Go VGB6703 speaker mounting adapters to the KICKER 46CSC654 speakers. Ensure a secure fit.



Image: Vixen Go Speaker Mounting Adapters. This image shows two black, circular speaker mounting adapters designed to adapt aftermarket speakers to factory openings.

5. **Connect Speaker Harnesses:** Connect the Vixen Go VGH-72-7302 speaker harnesses to the KICKER speakers. Then, connect the other end of the harness to the vehicle's factory speaker wiring. These harnesses are designed for plug-and-play installation, eliminating the need for cutting factory wires.



Image: KICKER CS Series Speaker Front View. This image provides a close-up of the front of a KICKER CS Series 6.5-inch coaxial speaker, highlighting the tweeter and woofer cone.

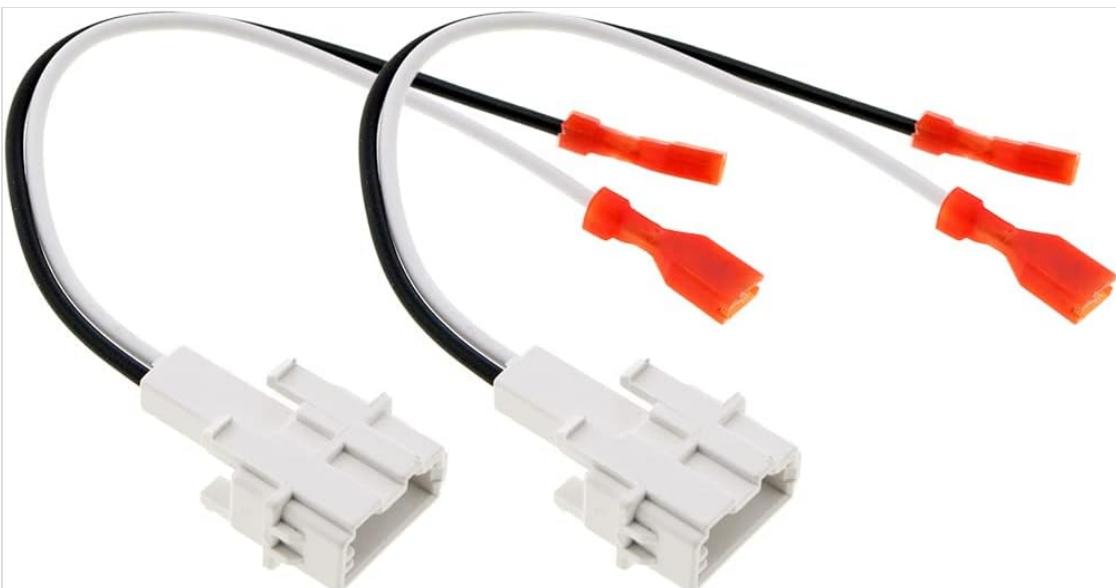


Image: KICKER CS Series Speaker Side View. This image shows the side profile of a KICKER CS Series 6.5-inch speaker, illustrating its mounting depth and magnet structure.



Image: Vixen Go Speaker Harnesses. This image displays two white and black speaker harnesses with red spade connectors, designed for connecting aftermarket speakers to factory wiring without cutting.

6. **Mount New Speakers:** Secure the KICKER speakers (with adapters) into the factory speaker openings using the appropriate screws. Ensure they are firmly mounted.
7. **Test System:** Before reassembling the door panels, reconnect the vehicle's battery and test the audio system to ensure both speakers are functioning correctly.
8. **Reassemble Door Panels:** Once confirmed, carefully reattach the door panels, ensuring all clips and screws are properly secured.

5. OPERATING YOUR SPEAKERS

Once installed, your KICKER CS Series speakers will operate as part of your vehicle's existing audio system. No special operation is required beyond using your car's head unit or stereo controls.

- **Volume Control:** Adjust volume via your car's stereo.
- **Tone Control:** Utilize your stereo's bass, treble, and balance controls to customize the sound to your preference.
- **Break-in Period:** Allow for a brief break-in period (approximately 10-20 hours of listening) at moderate volumes for the speakers to achieve their optimal sound performance.

6. MAINTENANCE

KICKER CS Series speakers are designed for durability and require minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker grilles and surrounds if they become dusty. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker mounts and connections for any looseness, especially after driving on rough terrain.
- **Environmental Factors:** While the speakers feature UV-treated poly-foam surrounds, extreme temperatures and direct prolonged sunlight should be minimized where possible to extend lifespan.

7. TROUBLESHOOTING

If you encounter issues with your KICKER CS Series speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none">• Loose wiring connection• Incorrect wiring• Stereo settings (balance/fader)• Blown fuse in stereo or vehicle	<ul style="list-style-type: none">• Check all speaker and harness connections.• Verify correct polarity (+/-).• Adjust stereo balance/fader.• Check vehicle and stereo fuses.
Distorted sound	<ul style="list-style-type: none">• Volume too high• Improper gain settings on amplifier (if applicable)• Loose speaker mounting• Damaged speaker	<ul style="list-style-type: none">• Reduce volume.• Adjust amplifier gain.• Ensure speakers are securely mounted.• Inspect speaker for physical damage.
Intermittent sound	<ul style="list-style-type: none">• Loose wiring• Faulty harness	<ul style="list-style-type: none">• Check and secure all connections.• Inspect harness for damage.

If troubleshooting steps do not resolve the issue, contact KICKER customer support or a certified car audio technician.

8. SPECIFICATIONS

Model Name	CSC654 (46CSC654)
Speaker Type	Coaxial, 2-Way
Speaker Size	6.5 Inches
Peak Power Handling	300 Watts
RMS Power Handling	100 Watts
Impedance	4 Ohms
Sensitivity	90 dB

Frequency Response	40-20,000 Hz
Woofer Magnet	Heavy-duty motor
Tweeter Construction	PEI with Neodymium magnets
Surround Material	UV-treated poly-foam
Top-mount Depth	1-11/16 inches
Material (Adapters)	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	7"D x 15"W x 12"H (Package)
Item Weight	5.37 pounds (Package)

9. WARRANTY INFORMATION

This KICKER product comes with a Full Warranty. For specific details regarding warranty coverage, duration, and claims process, please refer to the official KICKER warranty documentation included with your purchase or visit the official KICKER website.

Retain your proof of purchase for warranty claims.

10. SUPPORT AND CONTACT

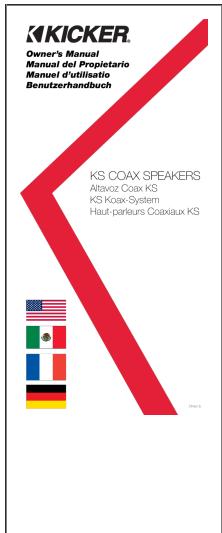
For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact KICKER customer support:

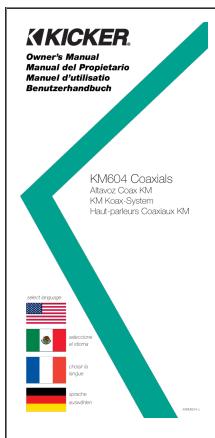
- **Website:** www.kicker.com
- **Phone:** Refer to the KICKER website for regional contact numbers.

When contacting support, please have your product model number (46CSC654+KF1920SHA) and proof of purchase readily available.

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Related Documents - 46CSC654

	<p>KICKER KS Series Coax Speakers Owner's Manual and Installation Guide</p> <p>KICKER KS Series Coax Speakers owner's manual detailing specifications, installation, wiring, mounting, and warranty. Learn how to upgrade your vehicle's audio system with these high-efficiency speakers.</p>
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[KICKER KM604 Coaxial Speakers Owner's Manual](#)

Comprehensive owner's manual for KICKER KM604 coaxial speakers, detailing specifications, installation, wiring, mounting, and warranty information for marine and outdoor audio systems.



[KICKER MSC Coaxial Marine Speakers Owner's Manual and Installation Guide](#)

Official owner's manual and installation guide for KICKER MSC Series Premium Marine Coaxials. Covers specifications, wiring, mounting, grille installation, and warranty information for marine and outdoor environments.



[KICKER KMC4 Media Center Owner's Manual](#)

This document provides comprehensive installation, operation, and troubleshooting information for the KICKER KMC4 (46KMC4) Media Center, detailing specifications, features, connectivity options, and user controls.



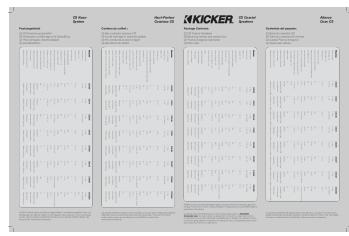
[Kicker KS Speaker Bundle Installation Guide for 2024 Jeep Wrangler JL & JT Gladiator](#)

Step-by-step installation guide for the Kicker KS Speaker Bundle in 2024 Jeep Wrangler JL and JT Gladiator models. Includes tools needed and detailed instructions for replacing factory speakers.



[KICKER KS Series Component Speakers: Owner's Manual, Installation Guide, and Specifications](#)

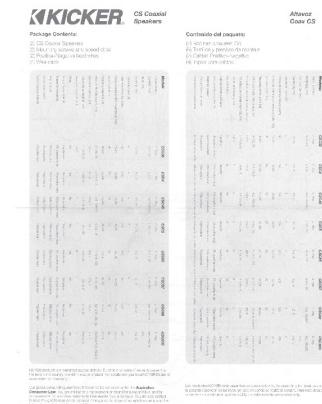
Comprehensive owner's manual and installation guide for KICKER KS Series component speakers, including specifications, wiring diagrams, mounting instructions, safety warnings, and warranty information. Learn how to install and optimize your car audio system.



[\[pdf\] Warranty](#)

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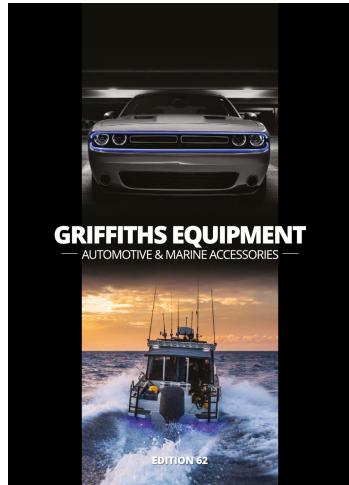


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EDITION 62 1 WHO WE ARE Griffiths Equipment Ltd is proud to have over 60 years experience with an ... an excellent factory upgrade Rigid polypropylene cone for excellent audio quality PRODUCT CODE 80 **46CSC654** KICKER 5.25IN 225W 2-WAY COAXIAL SPEAKERS PAIR Kicker s low-protrusion tweeter, driven by ...

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