

## HERTZ CK165L

# Hertz Cento Series CK-165L 6.5-inch Two-Way Component Speaker Kit Instruction Manual

Model: CK-165L

## INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Hertz Cento Series CK-165L 6.5-inch Two-Way Component Speaker Kit. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your product.

The Hertz Cento Series CK-165L system is designed to deliver natural sound with solid and controlled low frequencies, featuring a C165 L woofer, C26 tweeter, and dedicated crossovers. Its components are engineered for high performance and flexible installation.

## PACKAGE CONTENTS

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Upon unpacking, please verify that all components listed below are present and undamaged:

- 1x C165 L Woofer (pair)
- 1x C26 Tweeter (pair)
- 1x Crossover for Woofer (pair)
- 1x Crossover for Tweeter (pair)
- Mounting hardware (screws, clips, grilles)
- Instruction Manual (this document)



**Figure 1:** Overview of the Hertz Cento Series CK-165L component speaker kit, including woofers, tweeters, and crossovers.

## SETUP AND INSTALLATION

Professional installation is recommended for optimal performance and to avoid damage to your vehicle's electrical system or the speakers. Ensure the vehicle's battery is disconnected before beginning installation.

### 1. Woofer Installation

The C165 L woofer features a non-pressed paper cone for natural sound reproduction. Select a suitable mounting location in your vehicle, typically door panels or kick panels, ensuring adequate depth and clearance.

1. Prepare the mounting surface, ensuring it is clean and free of obstructions.
2. Secure the woofer using the provided mounting screws. Do not overtighten.
3. Connect the woofer to the dedicated woofer crossover output.



Figure 2: Close-up view of the Hertz Cento Series C165 L woofer.

## 2. Tweeter Installation

The C26 tweeter features a soft Tetolon fiber dome for detailed musical nuances. Tweeters should be mounted in locations that provide optimal sound staging, such as A-pillars or dash corners.

1. Choose a mounting method (flush mount, surface mount) appropriate for your vehicle and desired sound.
2. Secure the tweeter in place.
3. Connect the tweeter to the dedicated tweeter crossover output.



**Figure 3:** Detailed view of the Hertz Cento Series C26 tweeter with its protective grille.

### 3. Crossover Installation

The ultra-compact crossovers (CCX 2W for woofer, CCX 2T for tweeter) are designed for flexible installation. Mount them in a dry, protected area, away from heat sources and moisture.

1. Identify the input and output terminals on each crossover.
2. Connect the main audio signal from your amplifier to the input of the crossovers.
3. Connect the woofer crossover output to the C165 L woofer.
4. Connect the tweeter crossover output to the C26 tweeter.
5. The tweeter filter is 12 dB/oct. with two levels of attenuation (+3dB, 0dB). Adjust the attenuation switch on the tweeter crossover as desired for sound balance.



**Figure 4:** Hertz Cento Series crossover unit, showing input/output connections.



Figure 5: Hertz Cento Series crossover unit, highlighting the +3dB/0dB attenuation switch for the tweeter.

## OPERATING INSTRUCTIONS

Once installed, connect your vehicle's battery and power on your car audio system. Start with the volume at a low level and gradually increase it to your desired listening level. Adjust the audio settings on your head unit or amplifier to fine-tune the sound to your preference.

- **Initial Playback:** Begin with moderate volume for the first few hours of use to allow the speaker components to break in.
- **Volume Control:** Avoid prolonged listening at extremely high volumes to prevent speaker damage and hearing loss.
- **Audio Settings:** Utilize your head unit's equalizer and balance/fader controls to optimize the sound stage and tonal balance within your vehicle.

## MAINTENANCE

The Hertz Cento Series CK-165L speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Use a soft, dry cloth to gently wipe dust from the speaker grilles and cones. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker connections for tightness and ensure no wires are frayed or exposed.
- **Environmental Protection:** While designed for automotive use, avoid exposing speakers to excessive moisture or extreme temperatures beyond typical vehicle conditions.

## TROUBLESHOOTING

If you encounter issues with your Hertz Cento Series CK-165L speaker kit, refer to the following common problems and solutions:

| Problem                | Possible Cause  | Solution  |
|------------------------|---|---|
| No sound from speakers | Loose wiring connection, amplifier off, incorrect head unit settings, blown fuse. | Check all wiring connections at the speakers, crossovers, and amplifier. Ensure amplifier is powered on. Verify head unit output settings. Check vehicle and amplifier fuses. |

| Problem                 | Possible Cause   | Solution   |
|-------------------------|--|--|
| Distorted sound         | Volume too high, amplifier clipping, incorrect gain settings, damaged speaker.         | Reduce volume. Check amplifier gain settings and adjust if necessary. Inspect speaker cones for physical damage.   |
| One speaker not working | Loose connection to that specific speaker, faulty speaker, faulty crossover.           | Check connections for the non-working speaker. Swap speakers or crossovers (if possible) to isolate the faulty component.  |
| Lack of bass or treble  | Incorrect crossover wiring, head unit EQ settings, tweeter attenuation switch setting. | Verify crossover connections. Adjust head unit equalizer settings. Check the tweeter attenuation switch on the crossover (+3dB for more treble, 0dB for standard). |

If the problem persists after attempting these solutions, please contact Hertz customer support or a qualified car audio technician.

## SPECIFICATIONS

Detailed technical specifications for the Hertz Cento Series CK-165L Component Speaker Kit:

**Component Type:** 2-Way Component System

**Woofers Size:** 165 mm (6.5 inches)

**Tweeter Size:** 26 mm (1 inch)

**Power Handling - Peak:** 300 W

**Power Handling - Continuous:** 100 W

**Impedance:** 4  $\Omega$

**Frequency Response:** 50 ÷ 22,500 Hz

**Sensitivity dB SPL:** Tweeter: 92 dB, Woofer: 91 dB

**Woofers Voice Coil  $\varnothing$ :** 25 mm (1 inch)

**Woofers Cone Material:** Non-Pressed Paper (NPP)

**Tweeter Dome Material:** Soft Tetolon Fiber

**Woofers Magnet:** Ferrite

**Tweeter Magnet:** Neodymium

**Crossover Type:** Separate ultra-compact crossovers (12 dB/oct. for tweeter with 2 attenuation levels, 6 dB/oct. for woofer)

**Item Weight:** 5.5 pounds

**Product Dimensions:** 6.5 x 6.5 x 2.48 inches

**Model Number:** CK165L

## WARRANTY INFORMATION

The Hertz Cento Series CK-165L Component Speaker Kit comes with a **1-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. The warranty does not cover damage resulting from:

- Improper installation or wiring.
- Accident, abuse, misuse, or neglect.
- Unauthorized repair or modification.
- Exposure to extreme temperatures, moisture, or corrosive environments.
- Normal wear and tear.

Please retain your proof of purchase for warranty claims. For warranty service, contact Hertz customer support.

## SUPPORT AND CONTACT

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For further assistance, technical support, or inquiries regarding your Hertz Cento Series CK-165L Component Speaker Kit, please refer to the official Hertz website or contact their customer service department.

**Official Website:** [www.hertz-audio.com](http://www.hertz-audio.com)

Please have your product model number (CK-165L) and proof of purchase ready when contacting support.