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> [HERTZ Cento Series CX690 6x9 Three-Way Coaxial Speakers Instruction Manual](#)

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HERTZ Cento Series CX690 6x9 Three-Way Coaxial Speakers Instruction Manual

Model: CX690

1. PRODUCT OVERVIEW

The HERTZ Cento Series CX690 is a three-way elliptical coaxial speaker designed for car audio systems. It features a 6x9 inch cone engineered for optimal performance, delivering balanced tone and power handling. These speakers are suitable for horizontal installations within a vehicle's sound system.

Key Features:

- **Component:** Three-Way Coaxial design.
- **Cone:** 6x9 inch semi-pressed paper elliptical cone (SPP-M) enhanced with Mica powder for an optimal balance of lightness and damping.
- **Suspension:** Wide rubber suspension for extended excursion and effective sound damping.
- **Magnet:** High-density flux ferrite magnet with low-carbon polar plates to minimize distortion at high power levels.
- **Basket:** Metallic finish basket acoustically combined with a rubber magnet cover to dampen spurious vibrations.
- **Tweeter:** 40 mm (1.58 in.) dome tweeter for clear mid-high frequency reproduction.
- **Supertweeter:** 20 mm (0.8 in.) supertweeter for extended high-frequency response.



Figure 1: Front view of the HERTZ Cento Series CX690 speaker, showing the elliptical cone and central tweeter/supertweeter assembly.



Figure 2: Rear view of the HERTZ Cento Series CX690 speaker, showing the magnet structure and connection terminals.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your HERTZ CX690 speakers. It is highly recommended that installation be performed by a qualified car audio professional.

Installation Steps:

1. **Preparation:** Disconnect the vehicle's battery to prevent electrical shorts. Identify the speaker mounting locations in your vehicle, typically in door panels or rear deck. Ensure the mounting depth and diameter are compatible with the CX690 speakers.
2. **Removal of Old Speakers:** Carefully remove any existing speakers from their mounting locations. Disconnect their wiring.
3. **Mounting:** Position the CX690 speakers in the designated openings. Secure them using appropriate screws and mounting hardware. Ensure a snug fit to prevent vibrations and rattles.
4. **Wiring:** Connect the speaker wires from your car's audio system to the terminals on the CX690 speakers. Pay close attention to polarity (positive to positive, negative to negative) to ensure correct phase and sound reproduction. If connecting to an aftermarket amplifier, follow the amplifier's wiring instructions.
5. **Testing:** Before reassembling interior panels, reconnect the vehicle's battery and test the speakers with your car's

audio system. Verify that sound is clear and coming from all installed speakers.

6. **Reassembly:** Once confirmed operational, carefully reassemble any removed interior panels or grilles.

For detailed vehicle-specific installation guidance, consult your vehicle's service manual or a professional installer.

3. OPERATING INSTRUCTIONS

The HERTZ CX690 speakers are passive components of your car's audio system. Their operation is controlled by your vehicle's head unit (stereo) and any connected external amplifiers.

Basic Operation:

- **Power On/Off:** The speakers will power on and off with your car's audio system.
- **Volume Control:** Adjust the volume using your head unit's controls. Avoid excessively high volumes that cause audible distortion, as this can damage the speakers.
- **Audio Settings:** Utilize your head unit's equalizer, balance, and fader controls to fine-tune the sound to your preference. Ensure the balance and fader are set appropriately for your vehicle's cabin.
- **Source Selection:** Select your desired audio source (radio, CD, Bluetooth, etc.) via your head unit.

For advanced audio adjustments, refer to the instruction manual of your car's head unit or amplifier.

4. MAINTENANCE AND CARE

To ensure the longevity and continued performance of your HERTZ CX690 speakers, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the speaker cone or internal components.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the speaker materials.
- **Environmental Protection:** While the speakers are designed for automotive environments, avoid exposing them to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- **Connection Checks:** Periodically inspect the wiring connections to ensure they are secure and free from corrosion. Loose connections can lead to poor sound quality or intermittent operation.
- **Prevent Physical Damage:** Be careful not to puncture or tear the speaker cones or surrounds. Avoid placing heavy objects on the speakers or grilles.

5. TROUBLESHOOTING

If you encounter issues with your HERTZ CX690 speakers, refer to the following troubleshooting steps:

Common Issues and Solutions:

- **No Sound from Speakers:**
 - Check if the car audio system is powered on and the volume is up.
 - Verify all wiring connections at the speakers and the head unit/amplifier are secure and correctly polarized.
 - Ensure the head unit's fader and balance settings are not set to one side or front/rear only.
 - Check the amplifier (if used) for power, protection mode, or blown fuses.

- **Distorted or Unclear Sound:**

- Reduce the volume level. Distortion often occurs when the amplifier or head unit is overdriven.
- Check for loose speaker wires or short circuits.
- Inspect the speaker cones for any physical damage (tears, dents).
- Adjust the equalizer settings on your head unit. Excessive bass or treble can cause distortion.

- **Weak or No Bass:**

- Ensure speaker polarity is correct. Incorrect polarity can cause bass cancellation.
- Check the bass boost or subwoofer level settings on your head unit or amplifier.
- Verify that the speakers are properly sealed in their mounting locations to allow for proper bass response.

- **Intermittent Sound:**

- Inspect all wiring for loose connections or frayed wires that may be touching metal.
- Check for any internal issues with the head unit or amplifier.

If these steps do not resolve the issue, contact HERTZ customer support or a qualified car audio technician.

6. SPECIFICATIONS

Specification	Value
Power Handling - Peak	300 W
Power Handling - Continuous	100 W
Impedance	4 Ω
Frequency Response	40 ÷ 23k Hz
Sensitivity	93.5 dB SPL
Woofer Size	6 x 9 in.
Tweeter Size	40 mm (1.58 in.)
Supertweeter Size	20 mm (0.8 in.)
Woofer Voice Coil \varnothing	30 mm (1.2 in.)
Tweeter Voice Coil \varnothing	28 mm (1.1 in.)
Material	ABS metal, acrylonitrile butadi, ABS plastic
Item Weight	6.8 pounds
Product Dimensions	19"D x 9"W x 15"H
Is Waterproof	True (Note: Refers to resistance against typical automotive environmental exposure, not submersion.)
Connectivity Technology	Coaxial

Specification	Value
Audio Output Mode	Stereo

7. WARRANTY INFORMATION

The HERTZ Cento Series CX690 speakers come with a limited warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included with your product or visit the official HERTZ website. Keep your proof of purchase for warranty claims.

8. CUSTOMER SUPPORT

If you require further assistance, have questions about installation, operation, or troubleshooting that are not covered in this manual, please contact HERTZ customer support. You can typically find contact information on the official HERTZ website or on the product packaging.

When contacting support, please have your product model number (CX690) and proof of purchase readily available.