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KICKER 48CWRT82+43CWR8G

KICKER 8" CompRT Subwoofer (48CWRT82) & Grille (43CWR8G) Instruction Manual

Model: 48CWRT82+43CWR8G

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your KICKER 8-inch CompRT Series Subwoofer (Model 48CWRT82) and its accompanying 8-inch Subwoofer Grille (Model 43CWR8G). Please read these instructions thoroughly before attempting installation or use to ensure optimal performance and longevity of your product.

2. SAFETY INFORMATION

Always observe the following safety precautions:

- **Professional Installation Recommended:** Car audio installation can be complex. If you are unsure about any part of the installation process, consult with a qualified professional installer.
- **Electrical Safety:** Disconnect the vehicle's battery negative terminal before beginning any electrical work to prevent short circuits and electrical damage. Ensure all wiring is properly insulated and secured.
- **Hearing Protection:** Prolonged exposure to high sound pressure levels can cause permanent hearing damage. Use caution when adjusting volume levels.
- **Secure Mounting:** Ensure the subwoofer and grille are securely mounted to prevent them from becoming projectiles in the event of a sudden stop or accident.
- **Ventilation:** Ensure adequate ventilation around the subwoofer to prevent overheating, especially during extended periods of high-power operation.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- KICKER 48CWRT82 8" CompRT Series Subwoofer
- KICKER 43CWR8G 8" Subwoofer Grille

4. SETUP AND INSTALLATION

Proper installation is crucial for the performance and durability of your subwoofer and grille.

4.1 Subwoofer Installation (Model 48CWRT82)

The KICKER 48CWRT82 is an 8-inch CompRT Series subwoofer designed for shallow-mount applications. It features a Dual Voice Coil (DVC) with a 2-ohm impedance per coil.

- 1. Enclosure Selection:** This subwoofer is designed for compact, shallow-mount enclosures. Ensure your chosen enclosure meets the recommended volume specifications for optimal sound quality. The subwoofer's shallow mounting depth is 2-11/16 inches.
- 2. Wiring:** The DVC 2-ohm configuration allows for various wiring options (e.g., 1-ohm or 4-ohm final impedance) depending on your amplifier's capabilities. Consult your amplifier's manual for compatible impedance loads. Ensure all connections are secure and properly insulated.
- 3. Mounting:** Secure the subwoofer firmly into the enclosure using appropriate screws. Ensure there are no air leaks around the mounting flange.
- 4. Weather Resistance:** The CompRT series is weather-proof, making it suitable for outdoor powersports applications. Ensure all wiring connections are also protected from moisture if used in such environments.



Image: KICKER 8-inch CompRT Subwoofer (48CWR82) showing the dual voice coil terminals for wiring.



Image: Side view of the KICKER 8-inch CompRT Subwoofer (48CWRT82), illustrating its shallow mounting depth and robust construction.

4.2 Grille Installation (Model 43CWR8G)

The KICKER 43CWR8G grille is designed to protect your 8-inch CompRT subwoofer from physical damage.

- Alignment:** Align the grille over the subwoofer, ensuring the bolt holes on the grille match those on the subwoofer's mounting ring.
- Securing:** Use the provided hardware (if applicable) or appropriate screws to secure the grille firmly in place. The grille features custom bolt-hole covers for a clean finish.



Image: KICKER 8-inch Subwoofer Grille (43CWR8G) made of thick ABS construction, designed for protection.



Image: KICKER 8-inch CompRT Subwoofer (48CWRT82) with the 8-inch Subwoofer Grille (43CWR8G) properly installed, providing protection.

5. OPERATING INSTRUCTIONS

Once installed, your KICKER CompRT subwoofer is ready for operation. Ensure your amplifier is properly configured to drive a 2-ohm DVC subwoofer.

- **Power Handling:** The subwoofer can handle up to 600 watts peak power and 300 watts RMS power. Avoid exceeding these limits to prevent damage.
- **Amplifier Settings:** Adjust your amplifier's gain, crossover, and bass boost settings according to your system's requirements and personal preference. Start with low settings and gradually increase them.
- **Break-in Period:** Allow a break-in period of several hours of moderate listening before operating the subwoofer at maximum power. This allows the suspension components to loosen and perform optimally.
- **Sound Quality:** The subwoofer is designed to produce deep, powerful bass. If you experience distorted sound, reduce the volume or check your amplifier settings.

6. MAINTENANCE

Regular maintenance helps preserve the performance and appearance of your KICKER subwoofer and grille.

- **Cleaning:** Use a soft, dry cloth to wipe down the subwoofer cone and grille. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the voice coil area. Avoid harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically inspect the subwoofer for any signs of damage to the cone, surround, or terminals. Check the grille for cracks or loose mounting.
- **Environmental Protection:** While the subwoofer is weather-proof, prolonged exposure to extreme conditions (e.g., direct sunlight, heavy rain) should be minimized to extend its lifespan.

7. TROUBLESHOOTING

If you encounter issues with your subwoofer, refer to the following common troubleshooting steps:

- **No Sound:**
 - Check all wiring connections from the amplifier to the subwoofer.
 - Verify the amplifier is powered on and receiving a signal.
 - Ensure the head unit (source) is functioning correctly.
- **Distorted Sound:**
 - Reduce the amplifier's gain setting.
 - Check for proper crossover settings to ensure the subwoofer is only playing low frequencies.
 - Ensure the subwoofer is not over-powered or under-powered by the amplifier.
 - Inspect the subwoofer cone and surround for any physical damage.
- **Overheating:**
 - Verify the amplifier's impedance load matches the subwoofer's wiring configuration (e.g., 1-ohm or 4-ohm).
 - Ensure adequate ventilation around the subwoofer and amplifier.
 - Reduce prolonged high-volume operation.

If these steps do not resolve the issue, contact KICKER customer support or your authorized dealer.

8. SPECIFICATIONS

| Feature | Specification |
|---------------------|----------------|
| Speaker Type | Subwoofer |
| Subwoofer Diameter | 8 Inches |
| Peak Power Handling | 600 Watts |
| RMS Power Handling | 300 Watts |
| Impedance | Dual 2 ohms |
| Sensitivity | 81.8 dB |
| Mounting Depth | 2-11/16 inches |

| | |
|-----------------------------------|--|
| Product Dimensions (Subwoofer) | 7"D x 15"W x 12"H (Approximate, as packaged) |
| Item Weight | 9.4 Pounds |
| Included Components | Kicker 48CWRT82 8" CompRT Series Subwoofer, Kicker 43CWR8G 8" Subwoofer Grille |
| Cone Material | Injection-molded polypropylene |
| Surround Material | Santoprene® Double Stitched |
| Grille Material | Thick ABS construction |
| Weatherproof | Yes (for outdoor powersports applications) |

9. WARRANTY INFORMATION

This KICKER product comes with a Full Warranty. Specific terms and conditions of the warranty, including duration and coverage details, are provided by KICKER and your authorized retailer at the time of purchase. Please retain your proof of purchase for warranty claims. For detailed warranty information, refer to the documentation included with your product or visit the official KICKER website.

10. SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact KICKER customer support or your authorized KICKER dealer. You can find contact information on the official KICKER website or through your product's packaging.