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## 5 CORE TW BLT 150 CH

# 5 CORE TW BLT 150 CH Car Audio Tweeters Instruction Manual

Model: TW BLT 150 CH

## INTRODUCTION

Thank you for choosing the 5 CORE TW BLT 150 CH Car Audio Tweeters. This manual provides essential information for the proper installation, operation, and maintenance of your new tweeters. Please read this manual thoroughly before installation to ensure optimal performance and safety.

## SAFETY INFORMATION

Always prioritize safety during installation and operation. Improper installation can lead to damage to the product, vehicle, or personal injury.

- Disconnect the vehicle's battery before beginning any electrical work.
- Ensure all wiring is properly insulated and secured to prevent short circuits.
- Do not mount speakers in locations that obstruct the driver's view or interfere with vehicle safety features.
- Consult a professional car audio installer if you are unsure about any part of the installation process.
- Avoid prolonged exposure to high volume levels, which can cause hearing damage.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- 2x 5 CORE TW BLT 150 CH Tweeter Speakers

*Note: Additional wiring or mounting hardware may be required and is sold separately.*

## FEATURES

The 5 CORE TW BLT 150 CH Tweeters are designed to enhance your car audio experience with clear and detailed high-frequency sound.

- **High Performance:** Combined 600W PMPO and 60W RMS power for clear sound without distortion.
- **Built-in Crossover:** Filters bass frequencies, ensuring the tweeter receives the correct frequency range.

- **Wide Frequency Range:** 2kHz-20kHz range for detailed and natural treble.
- **Low Impedance:** 4 Ohm impedance for compatibility with many car amplifiers.
- **High Sensitivity:** 106dB sensitivity improves efficiency.
- **Durable Construction:** Features a Titanium Diaphragm and Aluminum frame for longevity.

## SETUP AND INSTALLATION

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Follow these general steps for installing your 5 CORE tweeters. Specific vehicle requirements may vary.

### 1. Planning and Preparation

1. **Choose Mounting Location:** Select a location in your vehicle that allows for optimal sound dispersion and does not obstruct visibility or safety features. Common locations include dashboard corners, A-pillars, or door panels.
2. **Check Clearance:** Ensure there is sufficient depth and width behind the mounting surface for the tweeter body.
3. **Gather Tools:** You will likely need wire strippers, crimpers, screwdrivers, a drill, and possibly a hole saw.
4. **Disconnect Battery:** Always disconnect the negative terminal of your vehicle's battery before starting any electrical work.

### 2. Wiring

The 5 CORE TW BLT 150 CH tweeters feature a built-in crossover (bass blocking capacitor) to protect them from low frequencies. Connect them directly to your amplifier's high-pass filtered output or to the high-frequency output of your existing car audio system.

1. **Identify Wires:** Determine the positive (+) and negative (-) speaker wires from your amplifier or head unit.
2. **Connect Tweeter:** Connect the positive terminal of the tweeter to the positive speaker wire and the negative terminal to the negative speaker wire. Ensure a secure connection, preferably by soldering or using crimp connectors.
3. **Secure Wiring:** Route all wiring safely, away from moving parts, sharp edges, and heat sources. Use zip ties or electrical tape to secure the wires.

**5 CORE**



Image: Back view of the 5 CORE TW BLT 150 CH tweeter, highlighting the wiring terminals and the integrated bass-blocking capacitor for easy installation.

# HIGH GRADE ALUMINUM HOUSING

**5 CORE**

NO RUST, NO DEGRADATION  
JUST CONSISTENT SOUND



Image: A close-up diagram illustrating the integrated crossover (bass blocking capacitor) on the 5 CORE tweeter, which helps filter out low frequencies for clearer high-frequency output.

### 3. Mounting

1. **Prepare Mounting Surface:** If drilling new holes, use appropriate tools and ensure the hole size matches the tweeter's dimensions.
2. **Secure Tweeter:** Mount the tweeter securely using the provided screws or appropriate mounting hardware. Ensure it is firmly in place to prevent vibrations.

**5 CORE**



**HIGH QUALITY SOUND**



**300W**  
RMS Power  
(Combined)



**1000W**  
PMPO  
(Combined)



**1"**  
Voice Coil  
Size



[www.5core.com](http://www.5core.com)

Image: Front view of the 5 CORE TW BLT 150 CH tweeter, showcasing its compact design and aluminum frame, ready for installation.



Image: Example installation of the 5 CORE TW BLT 150 CH tweeters in a car door panel, demonstrating a typical mounting scenario.

#### 4. Final Steps

1. **Reconnect Battery:** Once all connections are secure and mounting is complete, reconnect the negative terminal of your vehicle's battery.
2. **Test System:** Turn on your car audio system and test the tweeters at a low volume. Gradually increase the volume to ensure proper operation and sound quality.

#### OPERATING INSTRUCTIONS

The 5 CORE TW BLT 150 CH tweeters operate as part of your car's existing audio system. Once installed, they will automatically reproduce high-frequency sounds from your audio source.

- **Audio Source:** Play audio from your car's head unit, radio, or connected devices.
- **Volume Control:** Adjust the overall system volume through your car's head unit.
- **Tone Control:** Use your car audio system's equalizer or tone controls (treble, bass) to fine-tune the sound to your preference. Avoid excessive treble boost, which can lead to harsh sound or tweeter damage.

## MAINTENANCE

Proper care will ensure the longevity and performance of your tweeters.

- **Cleaning:** Gently wipe the tweeter's surface with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check wiring connections for looseness or corrosion.
- **Avoid Overpowering:** While these tweeters handle significant power, avoid continuously playing audio at extremely high, distorted volumes, which can damage the voice coil.

## TROUBLESHOOTING

If you encounter issues with your tweeters, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from tweeters	Loose or incorrect wiring, amplifier off, head unit settings.	Check all wiring connections. Ensure amplifier is powered on and head unit output is active.
Distorted sound	Overpowering, incorrect gain settings, damaged tweeter.	Reduce volume. Check amplifier gain settings. If distortion persists at low volumes, the tweeter may be damaged.
Weak or muffled high frequencies	Incorrect tone settings, poor mounting location, wiring issues.	Adjust treble settings on your head unit. Ensure tweeters are not obstructed. Verify wiring integrity.

If the problem persists after trying these solutions, contact 5 CORE customer support or a qualified car audio technician.

## SPECIFICATIONS

Feature	Specification
Model Name	TW BLT 150 CH PAIR
Speaker Type	Tweeter
Speaker Size	3.5 Inches
Peak Power (Combined)	600W
RMS Power (Combined)	60W
Impedance	4 Ohms
Frequency Response	2kHz - 20kHz
Signal-to-Noise Ratio (Sensitivity)	106 dB
Material	Aluminum and Titanium
Color	Chrome
Product Dimensions	3.5"D x 2.5"W x 7.5"H
Item Weight	3.15 Pounds (for the pair)

Feature	Specification
Connectivity Technology	Wired
Included Components	2x Tweeters speakers

## OFFICIAL PRODUCT VIDEO

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Watch this official product video for an overview of the 5 CORE TW BLT 150 CH Tweeters and their features.

Your browser does not support the video tag.

Video: An official overview of the 5 CORE 3.5 Inch Tweeters (Model TW BLT 150 CH Pair), demonstrating key features and benefits for car audio systems.

## WARRANTY AND SUPPORT

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The 5 CORE TW BLT 150 CH Tweeters come with a **1 Month Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use.

For technical support, warranty claims, or further assistance, please contact 5 CORE customer service through their official website or the retailer where the product was purchased.

You can visit the [5 CORE Store on Amazon](#) for more information and products.