

BOSS Audio Systems TW15

BOSS Audio Systems TW15 1-Inch Car Tweeters Instruction Manual

Model: TW15

1. INTRODUCTION

Thank you for choosing BOSS Audio Systems TW15 1-inch car tweeters. These tweeters are designed to enhance the high-frequency sound reproduction in your vehicle's audio system, providing clear and crisp audio. This manual provides essential information for proper installation, operation, and maintenance of your new tweeters.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of car audio systems and electrical wiring, professional installation is strongly encouraged to ensure proper and safe functionality.
- **Electrical Safety:** Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical shock.
- **Wiring:** Ensure all wiring connections are secure and properly insulated to prevent damage to the tweeters or other vehicle components.
- **Mounting:** Securely mount the tweeters to prevent them from becoming loose during vehicle operation, which could cause injury or damage.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Adjust volume to a safe and comfortable level.
- **Environmental Factors:** These tweeters are not waterproof. Avoid exposure to water or excessive moisture.

3. WHAT'S IN THE BOX

Your BOSS Audio Systems TW15 package includes the following components:

- Two (2) TW15 1-inch Tweeters
- Two (2) Crossovers
- Mounting Hardware (Surface, Flush, and Swivel Mounting Options)



Image: BOSS Audio Systems TW15 tweeters and their accompanying crossovers. The image displays two black tweeters and two black rectangular crossovers, ready for installation.

4. SPECIFICATIONS

Speaker Type	Tweeter
Model Number	TW15
Speaker Size	1 Inch
Maximum Output Power	250 Watts (Per Pair)
Impedance	4 Ohms
Frequency Response	2.5 kHz – 21 kHz
Sensitivity	93 dB
Magnet Material	Polyimide / Ferrite
Mounting Type	Surface, Flush, Swivel
Dimensions (D x W x H)	1.75" x 1.75" x 1"
Weight (Pair)	0.5 Lbs
Water Resistance Level	Not Water Resistant

5. SETUP & INSTALLATION

Proper installation is crucial for optimal performance and longevity of your tweeters. It is highly recommended to have this product professionally installed.

5.1 Mounting Options

The TW15 tweeters offer versatile mounting options to suit various vehicle interiors:

- **Surface Mount:** Allows the tweeter to be mounted directly onto a flat surface.
- **Flush Mount:** For a more integrated look, the tweeter can be recessed into a panel. This typically requires cutting a circular hole.
- **Swivel Mount:** Provides flexibility to direct the sound towards the listening area for optimized imaging.

Refer to the included mounting hardware for specific instructions on each mounting type. Ensure the chosen mounting location does not interfere with vehicle operation or safety features.

5.2 Wiring Connections

1. **Disconnect Power:** Before starting, disconnect the negative terminal of your vehicle's battery to prevent electrical shorts.
2. **Identify Speaker Wires:** Locate the speaker wires from your car's audio system that you intend to connect the tweeters to.
3. **Connect Crossovers:** The included crossovers are essential for filtering out low frequencies, protecting the tweeters, and ensuring clear high-frequency sound. Connect the input side of each crossover to the appropriate speaker wire from your audio system.
4. **Connect Tweeters:** Connect the output side of each crossover to its respective tweeter. Ensure correct polarity (positive to positive, negative to negative) for optimal sound performance.
5. **Secure Connections:** Use appropriate connectors and insulation (e.g., heat shrink tubing, electrical tape) to secure all wiring connections and prevent short circuits.
6. **Test System:** Once all connections are made and secured, reconnect the vehicle's battery and test the audio system at a low volume.

Note: The tweeters are designed to work with a 4 Ohm impedance. Ensure compatibility with your existing audio system components.

6. OPERATION

Once properly installed, your BOSS Audio Systems TW15 tweeters will operate as part of your vehicle's audio system. They are designed to reproduce high-frequency sounds, adding clarity and detail to your music.

- **Audio Source:** Play audio from your car's head unit or other connected sources.
- **Volume Control:** Adjust the overall system volume through your car's head unit. The tweeters will reproduce high frequencies in proportion to the main volume.
- **Tone Controls:** Use your head unit'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 potential damage to the tweeters.
- **Listening Position:** If using swivel mounts, adjust the tweeter angle to optimize the sound stage and imaging for your listening position.

7. MAINTENANCE

The BOSS Audio Systems TW15 tweeters require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Gently wipe the tweeter grilles and surfaces with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the components.
- **Inspection:** Periodically check wiring connections for any signs of wear, corrosion, or looseness. Ensure mounting hardware remains secure.
- **Environmental Protection:** Protect the tweeters from direct exposure to extreme temperatures, direct sunlight for prolonged periods, and moisture.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No sound from tweeters	<ul style="list-style-type: none">◦ Loose or incorrect wiring connection◦ Crossover improperly connected◦ Head unit or amplifier issue◦ Damaged tweeter	<ul style="list-style-type: none">◦ Check all wiring connections, ensuring they are secure and correctly polarized.◦ Verify the crossover is connected correctly between the audio source and the tweeter.◦ Test other speakers in the system to isolate the problem.◦ If all connections are correct and other speakers work, the tweeter may be damaged and require replacement.
Distorted or harsh sound	<ul style="list-style-type: none">◦ Volume too high◦ Excessive treble boost◦ Improper crossover function◦ Poor quality audio source	<ul style="list-style-type: none">◦ Reduce the volume level.◦ Adjust the treble settings on your head unit or equalizer.◦ Ensure the crossovers are correctly installed and functioning.◦ Try a different audio source to see if the distortion persists.
Static or buzzing noise	<ul style="list-style-type: none">◦ Ground loop interference◦ Loose wiring◦ Proximity to electrical interference	<ul style="list-style-type: none">◦ Check grounding points for your audio system.◦ Ensure all wiring is tightly connected and insulated.◦ Relocate speaker wires away from power cables or other potential sources of interference.

If the problem persists after attempting these solutions, contact BOSS Audio Systems customer support or consult a professional car audio technician.

9. WARRANTY & SUPPORT

9.1 Warranty Information

BOSS Audio Systems provides a **3-year Platinum Online Dealer Warranty** for this product. This warranty is valid only when the purchase is made through Amazon.com and applies to products sold and shipped by Amazon.com. This offer is not valid on purchases made from third-party marketplace sellers.

The warranty covers defects in materials and workmanship under normal use. It does not cover misuse of the product, accidental damage, or damage caused by improper installation.

9.2 Customer Support

For technical assistance, warranty claims, or further inquiries, please contact BOSS Audio Systems customer support. You can typically find contact information on the official BOSS Audio Systems website or through your Amazon purchase history.

Online Resources: Visit the official [BOSS Audio Systems website](#) for product information, FAQs, and support resources.