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› Kenwood KFC-T40A Tweeter Instruction Manual

## Kenwood KFC-T40A

# Kenwood KFC-T40A Tweeter Instruction Manual

Model: KFC-T40A

## 1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your Kenwood KFC-T40A Tweeter. The KFC-T40A is designed to enhance your audio system's soundstage with its balanced dome design, offering wide dispersion for excellent imaging. Each 0.75-inch polyetherimide tweeter is capable of handling up to 40 watts RMS and includes in-line high-pass filters to ensure high-efficiency, low-distortion output. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of the product.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product and vehicle:

- Disconnect the vehicle's negative battery terminal before beginning any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated to prevent electrical shorts.
- Do not install the tweeter in locations that obstruct the driver's view or interfere with vehicle operation.
- Use appropriate tools and wear safety glasses during installation.
- Consult a professional installer if you are unsure about any part of the installation process.
- This product is not waterproof. Avoid exposure to moisture.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Kenwood KFC-T40A Tweeters (Pair)
- In-line High-Pass Filters
- Mounting Hardware (screws, clips, etc. - specific items may vary)



Image 3.1: Kenwood KFC-T40A Tweeters (Pair)

This image displays the two Kenwood KFC-T40A tweeters, which are black with a circular mesh grille on top. They are designed for surface mounting and feature the Kenwood logo and "Wide Range Tune Up Tweeter" text on their base.

## 4. SETUP AND INSTALLATION

Proper installation is crucial for optimal sound performance. The KFC-T40A tweeters are designed for flexible mounting in various vehicle locations.

### 4.1 Choosing a Mounting Location

Consider locations that provide clear sound projection and do not obstruct visibility or vehicle controls. Common locations include:

- Dashboard corners
- A-pillars
- Door panels (if space permits)

The balanced dome design of these tweeters provides wide sound dispersion, making them less sensitive to precise aiming than some other tweeter types, but aiming them towards the listener can further improve imaging.



Image 4.1: Side View of KFC-T40A Tweeters

This image shows a side profile of the two Kenwood KFC-T40A tweeters, highlighting their compact and rounded enclosure, suitable for surface mounting.

### 4.2 Wiring and Connection

1. **Disconnect Power:** Before making any connections, ensure the vehicle's battery is disconnected.
2. **Identify Wires:** Connect the positive (+) and negative (-) wires from your amplifier or head unit to the corresponding terminals on the tweeter's in-line high-pass filter.

3. **Connect Tweeter:** Connect the output from the in-line high-pass filter to the tweeter. The in-line high-pass filters are essential for protecting the tweeters from low-frequency signals that can cause damage.
4. **Secure Wiring:** Route all wiring safely, away from moving parts, heat sources, and sharp edges. Use cable ties to secure loose wires.
5. **Test Connection:** Once all connections are made and secured, reconnect the battery and test the audio system at a low volume.



Image 4.2: In-line High-Pass Filters

This image shows the compact black boxes of the in-line high-pass filters, with their associated wiring bundled. These filters are crucial for directing only high-frequency audio signals to the tweeters, protecting them from damaging low frequencies.

## 5. OPERATING INSTRUCTIONS

The Kenwood KFC-T40A tweeters operate as part of your car's audio system. Once properly installed and connected, they will reproduce high-frequency sounds (treble).

- **Audio Source:** Ensure your head unit or amplifier is powered on and playing audio.
- **Volume Control:** Adjust the volume from your head unit. Avoid excessively high volumes that can cause distortion or damage to the tweeters.
- **Tone Control:** Use the treble adjustment on your head unit or amplifier to fine-tune the high-frequency output to your preference. Start with a neutral setting and adjust gradually.
- **System Integration:** The tweeters are designed to complement existing mid-range and bass speakers, creating a full-range sound experience.

## 6. MAINTENANCE

The Kenwood KFC-T40A tweeters require minimal maintenance.

- **Cleaning:** Gently wipe the tweeter grilles and enclosures with a soft, dry cloth to remove dust. Do not use abrasive cleaners or solvents.
- **Avoid Moisture:** As the product is not waterproof, ensure it is not exposed to liquids.
- **Inspect Connections:** Periodically check wiring connections to ensure they remain secure and free from corrosion.

## 7. TROUBLESHOOTING

If you experience issues with your Kenwood KFC-T40A tweeters, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from tweeters	<ul style="list-style-type: none"><li>◦ Loose or incorrect wiring connection.</li><li>◦ Head unit or amplifier not powered on.</li><li>◦ Audio source issue.</li><li>◦ Damaged tweeter.</li></ul>	<ul style="list-style-type: none"><li>◦ Check all wiring connections, ensuring positive and negative are correctly matched.</li><li>◦ Verify power to your audio system.</li><li>◦ Test with a different audio source.</li><li>◦ If all else fails, the tweeter may be damaged and require replacement.</li></ul>
Distorted or poor sound quality	<ul style="list-style-type: none"><li>◦ Volume too high.</li><li>◦ Incorrect tone settings (treble too high).</li><li>◦ Improper connection to the in-line high-pass filter.</li><li>◦ Damaged tweeter.</li></ul>	<ul style="list-style-type: none"><li>◦ Reduce volume to a comfortable level.</li><li>◦ Adjust treble settings on your head unit or amplifier.</li><li>◦ Ensure the in-line high-pass filter is correctly installed and connected.</li><li>◦ If distortion persists at moderate volumes, the tweeter may be damaged.</li></ul>

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

## 8. SPECIFICATIONS

Key technical specifications for the Kenwood KFC-T40A Tweeter:

Feature	Detail
Model Name	KFC-T40A
Speaker Type	Tweeter
Speaker Size	0.75 Inches (Polyetherimide balanced dome)
Impedance	4 Ohm
Speaker Maximum Output Power	280 Watts (Peak)
RMS Power Handling	Up to 40 Watts
Connectivity Technology	Auxiliary
Audio Output Mode	Stereo
Included Components	SPEAKERS (includes in-line high-pass filters)
Product Dimensions	1.97 x 6.3 x 1.97 inches
Item Weight	1.56 pounds
Manufacturer	KENWOOD
Is Waterproof	FALSE (Not Water Resistant)
Indoor/Outdoor Usage	Indoor (Vehicle Interior)
UPC	019048198563
Item Model Number	2724459337460

## 9. WARRANTY AND SUPPORT

The Kenwood KFC-T40A Tweeter comes 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 Kenwood website.

For technical support, service, or inquiries about your product, please contact Kenwood customer service through their official website or the contact information provided in your product packaging. When contacting support, please have your model number (KFC-T40A) and serial number (if applicable) ready.