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Infinity REF8622CFX

Infinity REF8622CFX Reference Series 2-Way Coaxial Car Speaker Instruction Manual

Model: REF8622CFX

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Infinity REF8622CFX Reference Series 2-Way Coaxial Car Speakers. These speakers are designed to deliver high-quality audio performance in your vehicle. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

The Infinity REF8622CFX speakers feature 3.0 ohms impedance and edge-driven textile tweeters, engineered for clear and dynamic sound reproduction.

PACKAGE CONTENTS

Before beginning installation, verify that all components are present:

- Infinity REF8622CFX Car Speakers (Pair)
- Mounting Hardware (screws, clips)
- Speaker Grilles (if included)
- Wiring Harnesses (if included)
- Instruction Manual (this document)

Note: Specific contents may vary. Refer to your product packaging for exact details.

SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical work.
- Ensure proper wiring polarity to prevent damage to the speakers and your car's audio system.
- Avoid installing speakers in locations that obstruct vehicle operation or safety features.
- Wear appropriate safety gear, such as eye protection, during installation.
- If you are unsure about any part of the installation process, consult a professional car audio installer.

SETUP AND INSTALLATION

Proper installation is crucial for optimal sound performance and speaker longevity. The Infinity REF8622CFX speakers are designed for 6x8 inch or 5x7 inch openings.

1. Planning the Installation



Image: Side view of the Infinity REF8622CFX speaker, illustrating its depth. This perspective is important for checking clearance in mounting locations.

- 1. Location Selection:** Identify suitable speaker locations in your vehicle (e.g., door panels, rear deck). Ensure adequate depth and clearance for the speaker magnet and frame.
- 2. Speaker Dimensions:** The speakers have product dimensions of approximately 9.7"D x 3.5"W x

5.3"H. Verify these dimensions against your vehicle's speaker openings.

3. **Wiring:** Plan the routing of speaker wires from your car's audio system to the speaker locations. Use appropriate gauge wiring for your system's power output.

2. Removing Existing Speakers (if applicable)

1. Carefully remove door panels or trim pieces to access the factory speaker locations.
2. Disconnect the wiring from the old speakers and remove them.

3. Speaker Mounting



Image: Infinity REF8622CFX speaker showing its dimensions (9.7" x 5.3" x 3.5"). This view helps in assessing fitment.

1. Position the new Infinity REF8622CFX speaker into the opening.
2. Align the mounting holes on the speaker frame with the vehicle's mounting points. If new holes are required, mark and drill pilot holes carefully.

3. Secure the speaker using the provided screws. Do not overtighten.

4. Wiring Connections



Image: Rear view of the Infinity REF8622CFX speaker, highlighting the wiring terminals and product label. Ensure correct positive and negative connections.

1. Connect the positive (+) speaker wire from your audio system to the positive terminal on the speaker.
2. Connect the negative (-) speaker wire from your audio system to the negative terminal on the speaker.
3. Ensure all connections are secure and insulated to prevent short circuits.

5. Testing and Reassembly

1. Before reassembling trim panels, reconnect the vehicle's battery and test the speakers with your car's audio system.
2. Verify that sound is clear and balanced from all installed speakers.
3. Once confirmed, carefully reassemble all trim panels and components.

OPERATING INSTRUCTIONS

Once installed, your Infinity REF8622CFX speakers operate as part of your vehicle's audio system. No specific operational controls are present on the speakers themselves.



Image: Front view of the Infinity REF8622CFX coaxial speaker. This shows the woofer cone and integrated tweeter, representing the speaker's appearance when installed.

- **Audio Source:** Play audio through your car's head unit (radio, CD player, media player).
- **Volume Control:** Adjust the volume using your car's head unit or steering wheel controls.
- **Tone Controls:** Utilize your head unit's equalizer, bass, treble, and balance/fader controls to fine-tune the sound to your preference.
- **Power Handling:** These speakers have a maximum output power of 360 Watts. Avoid exceeding the recommended power levels of your amplifier or head unit to prevent speaker damage.

MAINTENANCE

To ensure the longevity and performance of your Infinity REF8622CFX speakers, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Environmental Protection:** While designed for automotive use, avoid exposing speakers directly to excessive moisture or extreme temperatures. These speakers are not waterproof.
- **Connection Check:** Periodically inspect wiring connections to ensure they remain secure and free from corrosion.
- **Avoid Overpowering:** Do not continuously play audio at distortion levels, as this can damage the speaker components.

TROUBLESHOOTING

If you experience issues with your Infinity REF8622CFX speakers, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speaker	<ul style="list-style-type: none"> Loose or incorrect wiring connection Speaker wire shorted Head unit or amplifier issue 	<ul style="list-style-type: none"> Check all wiring connections at the speaker and head unit/amplifier. Ensure correct polarity. Inspect speaker wires for cuts or pinches. Test with another known working speaker or audio source.
Distorted or unclear sound	<ul style="list-style-type: none"> Volume too high, causing clipping Incorrect audio settings (bass/treble) Loose mounting Damaged speaker 	<ul style="list-style-type: none"> Reduce volume. Adjust equalizer settings on your head unit. Ensure speaker is securely mounted. If distortion persists at low volumes, the speaker may be damaged and require replacement.
Intermittent sound	<ul style="list-style-type: none"> Loose wiring connection Faulty speaker wire 	<ul style="list-style-type: none"> Check and secure all wiring connections. Replace speaker wire if damaged.

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

SPECIFICATIONS

Below are the key technical specifications for the Infinity REF8622CFX Reference Series 2-Way Coaxial Car Speaker:

Feature	Specification
Model Name	REF8622CFX
Speaker Type	Coaxial, 2-Way
Speaker Size	6x8 inch / 5x7 inch compatible
Impedance	3 Ohms
Maximum Output Power	360 Watts
Tweeter Type	Edge-driven, Textile
Product Dimensions (L x W x H)	9.7"D x 3.5"W x 5.3"H
Item Weight	2.8 Pounds
Material	Metal, Plastic
Connectivity Technology	Coaxial (Wired)
Manufacturer	Infinity
UPC	050667370992

WARRANTY AND SUPPORT

The Infinity REF8622CFX speakers come with a Limited Warranty. For specific terms and conditions of your warranty, please refer to the warranty card included with your product or visit the official Infinity website.

For technical support, troubleshooting assistance, or warranty claims, please contact Infinity customer service. You can often find contact information on the official brand website or through your product's documentation.

Online Resources: For additional information and support, visit the [Infinity Store on Amazon](#) or the official Infinity brand website.