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› Retro Manufacturing S-412 Stereo Speakers User Manual

Retro Manufacturing S-412

Retro Manufacturing S-412 Stereo Speakers User Manual

Model: S-412

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Retro Manufacturing S-412 Stereo Speakers. These 4x10-inch speakers are designed for vehicle audio systems, offering clear sound reproduction and a direct replacement for many factory speakers.

Product Features:

- 4x10-inch stereo replacement speakers
- Treated foam surrounds for smooth, natural sound
- Mylar tweeters for crisp, clear highs
- 25 watts RMS/50 watts peak power handling
- Dip-cut magnet for extended pole piece excursion

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Retro Manufacturing S-412 Stereo Speakers (Pair)
- Mounting hardware (if applicable)



Image: A pair of Retro Manufacturing S-412 stereo speakers, showcasing their oval shape and dual tweeters.

3. INSTALLATION AND SETUP

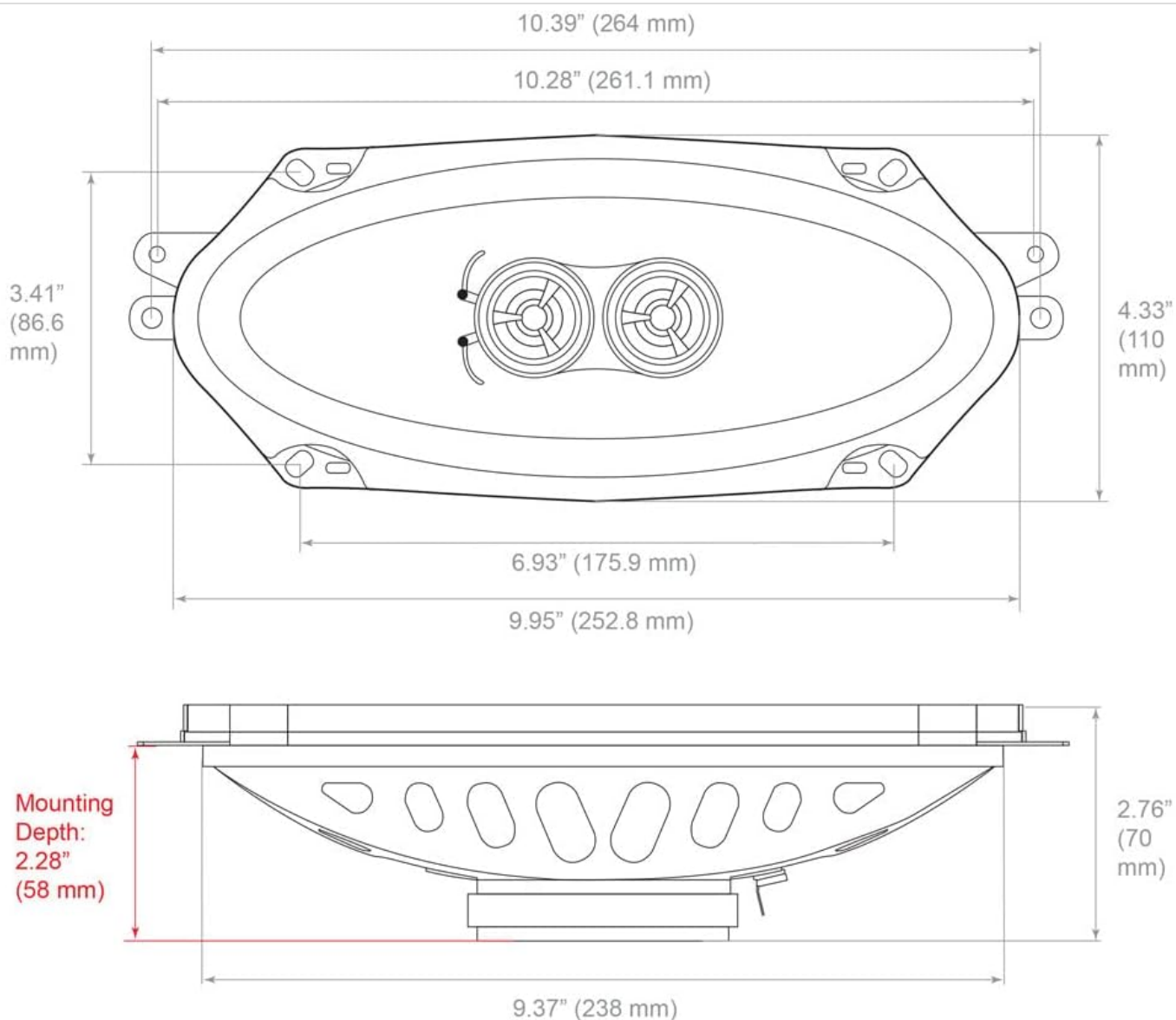
Proper installation is crucial for optimal performance. If you are unsure about any steps, consult a professional installer.

3.1 Safety Precautions

- Disconnect the vehicle's battery before starting any electrical work.
- Ensure all wiring is properly insulated to prevent short circuits.
- Wear appropriate safety gear, such as gloves and eye protection.

3.2 Mounting Location

These 4x10-inch speakers are designed for specific vehicle applications. Verify that the mounting location in your vehicle can accommodate speakers with dimensions of approximately 10 x 1.75 x 4 inches and a mounting depth of 2.28 inches (58mm).



S-412

4" x 10" Triax Stereo Speakers

Image: Technical drawing illustrating the precise dimensions and mounting depth of the S-412 speaker for accurate fitment.

3.3 Wiring Connections

1. Identify the positive (+) and negative (-) terminals on your vehicle's speaker wiring and on the S-412 speakers.
2. Connect the positive terminal of the speaker to the positive output of your audio system.
3. Connect the negative terminal of the speaker to the negative output of your audio system.
4. Ensure all connections are secure and free from corrosion.



Image: Rear view of the S-412 speaker, clearly showing the wiring terminals for proper electrical connection.

4. OPERATION

Once installed, the S-412 speakers operate as part of your vehicle's audio system. No specific controls are present on the speakers themselves.

- Turn on your vehicle's audio head unit.
- Adjust volume, balance, and fade settings through your head unit to achieve desired sound.
- Avoid prolonged listening at excessively high volumes to prevent speaker damage.

5. MAINTENANCE

The Retro Manufacturing S-412 speakers require minimal maintenance.

- **Cleaning:** Gently wipe the speaker cones and surrounds with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker connections for tightness and signs of corrosion.
- **Protection:** If not already installed, consider purchasing speaker grills (sold separately) to protect the speaker cones from physical damage.

6. TROUBLESHOOTING

If you experience issues with your S-412 speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound from Speaker	Loose or incorrect wiring connection. Speaker wire shorted. Audio system issue.	Check all wiring connections for proper polarity and tightness. Inspect wires for damage. Test with another known-good speaker or audio source.
Distorted Sound	Over-driving the speakers (volume too high). Incorrect amplifier gain settings. Damaged speaker.	Reduce volume. Check amplifier settings. If distortion persists at low volumes, the speaker may be damaged.
Intermittent Sound	Loose wiring connection. Faulty audio source or amplifier.	Secure all wiring connections. Test the audio system with different speakers or components.

7. SPECIFICATIONS

Feature	Detail
Model Name	S-412
Speaker Type	Component (Triax 3-way frequency response)
Speaker Size	4x10 inches
Power Handling (RMS)	25 watts
Power Handling (Peak)	50 watts
Mounting Type	Flush Mount
Mounting Depth	2.28 inches (58mm)
Product Dimensions	10 x 1.75 x 4 inches
Item Weight	3 pounds (per pair)
Manufacturer	RetroSound
UPC	681441089535

8. WARRANTY INFORMATION

Retro Manufacturing S-412 Stereo Speakers come with a**Limited Warranty**. For specific terms and conditions, please refer to the warranty documentation included with your purchase or contact Retro Manufacturing customer support.

Protection plans may be available for extended coverage. Please check with your retailer for details.

9. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Retro Manufacturing customer support.

- **Brand:** Retro Manufacturing
- **Manufacturer:** RetroSound
- **Online Store:** [Visit the Retro Manufacturing Store](#)

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question