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› Springfield Speaker 12" Angle-Attach Foam Surround Edge Repair Kit for Marantz Speakers (Model 2A12B-Marantz) Instruction Manual

Springfield Speaker 2A12B-Marantz

Springfield Speaker 12" Angle-Attach Foam Surround Edge Repair Kit Instruction Manual

Model: 2A12B-Marantz

1. PRODUCT OVERVIEW

This manual provides detailed instructions for installing the Springfield Speaker 12" Angle-Attach Foam Surround Edge Repair Kit. This kit is designed to restore the foam surrounds of 12-inch speakers, compatible with various Marantz models including 45-450, 45450, 920, 930, 940, 1230, 141W121, 141W204, 141W12120, 211-1003-100, and 841-1116-000. Proper installation ensures optimal speaker performance and longevity.



Image: A close-up view of the black foam speaker surround, highlighting its texture and angled attachment design.

2. KIT CONTENTS

The repair kit includes the following components:

- 2 Premium American-made Foam Surrounds (sufficient for 2 speakers)
- Step-by-step installation instructions
- 1 Bottle of professional-grade adhesive (solvent-based)
- 1 Adhesive application brush
- Optional: FREE shims available upon request



Image: The complete repair kit, showing two foam surrounds, a bottle of adhesive, an application brush, and printed instructions.

3. REQUIRED TOOLS AND MATERIALS (NOT INCLUDED)

Before beginning the repair process, ensure you have the following tools and materials:

- Box cutter or razor knife
- Clothespin (optional)
- Sharpie (or similar shape/size marker)
- Rubbing alcohol
- Cotton swabs
- Paper towel (or soft rag)

4. INSTALLATION INSTRUCTIONS

Important Safety Note: You **MUST** remove the speaker from its cabinet before beginning the repair process.

4.1. Preparation Phase

1. **Step 1:** Using your razor knife, slice down the middle of the damaged surround all the way around the speaker.

Step 2 – Using your razor knife; Slice down the middle of the damaged surround all the way around the speaker. **See figure 1**



Figure 1

Step 3 – Slowly and carefully peel the damaged surround from the cone. Be especially careful not to damage the cone. **See figure 2**



Figure 2

Step 4 – Slip the point of your razor knife between the gasket and the speaker frame. Apply pressure and slowly turn the speaker to cut the gasket away from the frame. You must be very careful to salvage the gasket to reuse it later. **NEVER** pull the blade toward you. Carefully remove the gasket and set it aside to reuse later. **See figure 3**



Figure 3

Step 5 – Using a chisel or your razor knife; remove any and all foam residue from the speaker frame. You don't necessarily have to remove all of the glue residue, but you **MUST** remove **ALL** of the foam residue. **See figure 4**



Figure 4

Step 6 – Using a cotton swab; apply rubbing alcohol to foam and glue residue around edge of cone. Don't be afraid to saturate the cone edge if it is made of poly, be more careful with a paper cone. Allow to soak for 1-2 minutes. **See figure 5**



Figure 5

Step 7 – Using your thumbnail, or a razor blade held perpendicular to the surface, scrape away all foam residue. Be **VERY** careful not to damage the cone. Especially if you saturated it in the previous step. While scraping, use your other hand to gently provide additional support from underneath the edge of the cone. **See figure 6**



Figure 6

Step 8 – Use paper towel or a soft cotton rag dipped in rubbing alcohol to gently do a finishing wipe-down of cone edge and speaker frame. Allow cone and frame to dry completely. **See figure 7**

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Image: A hand holding a razor knife, carefully slicing through the middle of the old, damaged foam surround on a speaker cone.

- Step 2:** Slowly and carefully peel the damaged surround from the cone. Be especially careful not to damage the cone.
- Step 3:** Slip the point of your razor knife between the gasket and the speaker frame. Apply pressure and slowly turn the speaker to cut the gasket away from the frame. You must be very careful to salvage the gasket to reuse it later. **NEVER** pull the blade toward you. Carefully remove the gasket and set it aside to reuse later.

4. **Step 4:** Using a chisel or your razor knife, remove any and all foam residue from the speaker frame. You don't necessarily have to remove all of the glue residue, but you **MUST** remove **ALL** of the foam residue.
5. **Step 5:** Using a cotton swab, apply rubbing alcohol to foam and glue residue around the edge of the cone. Do not be afraid to saturate the cone edge if it is made of poly; be more careful with a paper cone. Allow to soak for 1-2 minutes.
6. **Step 6:** Using your thumbnail, or a razor blade held perpendicular to the surface, scrape away all foam residue. Be **VERY** careful not to damage the cone. Especially if you saturated it in the previous step. While scraping, use your other hand to gently provide additional support from underneath the edge of the cone.
7. **Step 7:** Use a paper towel or a soft cotton rag dipped in rubbing alcohol to gently do a finishing wipe-down of the cone edge and speaker frame. Allow the cone and frame to dry completely.

Step 9 – Place new foam surround in place upside down to test fit. Use your fingers to move cone into place and make a visual note of how new surround will lie in relation to cone.

See figure 8 ++Read ahead before continuing because once you hit the next step there is no turning back.++



Figure 7

Step 10 – Read instructions included with your adhesive, and move to well-ventilated area prior to continuing. With surround still in place upside down; carefully apply small bead of adhesive to innermost flange/lip of surround. Use bottle tip to evenly spread adhesive around the inner flange/lip as it is applied. Allow adhesive to breathe for a few seconds. **See figure 9**



Figure 8

Step 11 – After allowing your adhesive to breathe; carefully pick up your surround, flip it right side up, and carefully lay it in place. Be sure to lay it in place correctly the first time, as it will begin to stick immediately. **See figure 10**



Figure 9

Step 12 – With new surround properly placed; use your finger, the butt end of a sharpie, or something similar to gently press the surround into place. Slowly trace your way around the edge to help the adhesive bond to take. Carefully repeat this step 3-4 times over the next 10 minutes. **See figure 11**



Figure 10

Step 13 – Use a paper towel lightly dampened with warm water or nail polish remover to clean up extra glue residue before it dries, and then **Take a 45-60 minute break...**



Figure 11

Step 14 – Now that your first adhesive application has cured a little bit; use the butt end of your sharpie to gently hold the outer edge of the surround away from the frame while you apply adhesive to the surface of the speaker frame where the surround will attach. Apply adhesive all the way around the frame. Allow surround to fall into place on the frame.

See figure 12



Figure 12

Call with questions 1-800-397-9575

Image: A hand wiping the edge of the speaker cone with a rag soaked in rubbing alcohol, ensuring all residue is removed.

4.2. New Surround Attachment to Cone

- Step 8:** Place the new foam surround in place upside down to test fit. Use your fingers to move the cone into place and make a visual note of how the new surround will lie in relation to the cone.

++Read ahead before continuing because once you hit the next step there is no turning back.++

9. **Step 9:** Read instructions included with your adhesive, and move to a well-ventilated area prior to continuing. With the surround still in place upside down, carefully apply a small bead of adhesive to the innermost flange/lip of the surround. Use the bottle tip to evenly spread adhesive around the inner flange/lip as it is applied. Allow adhesive to breathe for a few seconds.
10. **Step 10:** After allowing the adhesive to breathe, carefully pick up your surround, flip it right side up, and carefully lay it in place. Be sure to lay it in place correctly the first time, as it will begin to stick immediately.
11. **Step 11:** With the new surround properly placed, use your finger, the butt end of a sharpie, or something similar to gently press the surround into place. Slowly trace your way around the edge to help the adhesive bond to the cone. Carefully repeat this step 3-4 times over the next 10 minutes.

THE FOLLOWING STEP IS PRIORITY #1

Step 15 – Use your fingers to apply pressure evenly to the center of the cone. Listen for any rubbing or scratching sounds from the voice coil as the cone flexes in and out. Adjust cone side to side until cone can be manipulated all the way in and out without any rubbing.

See figure 13



Figure 13

Step 16 – As you did in Step 12, use your sharpie to press the surround gently into place on the frame. **REPEAT STEP 15!!**



Figure 14

Step 17 – **REPEAT STEPS 15 & 16!!** Apply adhesive to the underside of your original gasket, or replacement if you purchased one. Align holes in gasket with mounting holes in frame, and set gasket in place. Press gasket in place. **See figure 14**



Figure 15

Step 18 – **REPEAT STEPS 15 & 16!!** Pick speaker up and place face down on hard level surface. This will allow weight of speaker to press gasket permanently into place while the adhesive cures. **See figure 15**

YOU'RE DONE!!!**



****Allow 24-36 hours for adhesive to fully cure before placing a full load on your newly-refoamed speaker.**

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Image: A hand gently pressing the newly applied foam surround onto the speaker cone, ensuring a secure bond.

12. **Step 12:** Use a paper towel lightly dampened with warm water or nail polish remover to clean up extra glue residue before it dries, and then **Take a 45-60 minute break...**

4.3. New Surround Attachment to Frame & Gasket Reinstallation

13. **Step 13:** Now that your first adhesive application has cured a little bit, use the butt end of your sharpie to gently hold

the outer edge of the surround away from the frame while you apply adhesive to the surface of the speaker frame where the surround will attach. Apply adhesive all the way around the frame. Allow surround to fall into place on the frame.

- Step 14:** Use your fingers to apply pressure evenly to the center of the cone. Listen for any rubbing or scratching sounds from the voice coil as the cone flexes in and out. Adjust the cone side to side until the cone can be manipulated all the way in and out without any rubbing.

THE FOLLOWING STEP IS PRIORITY #1

- Step 15:** As you did in Step 11, use your sharpie to press the surround gently into place on the frame**REPEAT STEP 14!**

- Step 16:** Apply adhesive to the underside of your original gasket, or a replacement if you purchased one. Align holes in the gasket with mounting holes in the frame, and set the gasket in place. Press the gasket in place.

- Step 17:** Pick the speaker up and place it face down on a hard level surface. This will allow the weight of the speaker to press the gasket permanently into place while the adhesive cures.

YOU'RE DONE!!!

****Allow 24-36 hours for adhesive to fully cure before placing a full load on your newly-refoamed speaker.****

Enjoy the Music...

5. OFFICIAL INSTALLATION VIDEO

Your browser does not support the video tag.

Video: A detailed guide on rim foam repair for woofers, demonstrating the process of replacing loudspeaker surrounds. This video is provided by Hakeeta us (Seller).

6. MAINTENANCE

After installation, allow the adhesive to fully cure for 24-36 hours before subjecting the speaker to a full load. This ensures a strong and lasting bond for the new foam surround. No other routine maintenance is typically required for the foam surround itself once properly installed and cured.

7. TROUBLESHOOTING

If you encounter issues such as rubbing or scratching sounds from the voice coil after installation, re-evaluate Step 14 of the installation process. Gently apply even pressure to the center of the cone and adjust its position side-to-side until it moves freely without any rubbing. If problems persist, contact Springfield Speaker customer support for assistance.

8. SPECIFICATIONS

Feature	Detail
Kit Model Number	2A12B-Marantz
Outer Diameter	11.75" (298mm)
Outer Roll Diameter	10.625" (270mm)
Cone Diameter	9.25" (235mm)
Inner Diameter	8.5" (216mm)
Roll Width	3/4" (19mm)
Inner Attachment	Angled
Compatible Speaker Size	12-inch
Manufacturer	Springfield Speaker
Date First Available	May 14, 2013

9. SUPPORT AND CONTACT INFORMATION

For questions regarding this product or installation, please contact Springfield Speaker customer support. You can also visit their website for additional resources and information.

- **Website:** www.SpringfieldSpeakerRepair.com
- **Phone:** 1-800-397-9575

