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› Springfield Speaker Onkyo 12-inch Speaker Foam Surround Edge Repair Kit (Model 2A12B) Instruction Manual

Springfield Speaker 2A12B

Springfield Speaker Onkyo 12-inch Speaker Foam Surround Edge Repair Kit (Model 2A12B) Instruction Manual

Detailed instructions for installing the Springfield Speaker foam surround edge repair kit for Onkyo 12-inch speakers, including models D-77, AV-S-35, AV-S-92, Fusion, SC-901, SC-950, and A30GU25-51F. This manual covers preparation, installation steps, and post-installation care.

1. INTRODUCTION

This instruction manual provides a step-by-step guide for repairing 12-inch speaker foam surrounds using the Springfield Speaker repair kit. Proper installation ensures optimal speaker performance and longevity. Please read all instructions carefully before beginning the repair process.

2. PACKAGE CONTENTS

Your Springfield Speaker 12-inch Foam Surround Edge Repair Kit (Model 2A12B) includes the following components:

- 2 x American-made Foam Surrounds (sufficient for two speakers)
- 1 x Bottle of professional-grade adhesive (solvent-based)
- 1 x Adhesive application brush
- Step-by-step installation instructions (this manual)
- Optional: FREE shims available upon request (not included in standard kit, but can be requested)



Image: Contents of the Springfield Speaker 12-inch Foam Surround Edge Repair Kit, including two foam surrounds, a bottle of adhesive, and an application brush.

3. SPECIFICATIONS

3.1 Foam Dimensions (Kit 2A12B)

- Outer Diameter: 11.75 inches (298mm)
- Outer Roll Diameter: 10.625 inches (270mm)
- Cone Diameter: 9.25 inches (235mm)
- Inner Diameter: 8.5 inches (216mm)
- Roll Width: 0.75 inches (19mm)
- Inner Attachment: Angled



Image: A close-up view of the foam surround, highlighting its angled inner attachment and roll design.

3.2 Compatible Onkyo Models

This repair kit is compatible with various Onkyo 12-inch speaker models, including but not limited to:

- Onkyo D-77, D77
- Onkyo AV-S-35, AVS35
- Onkyo AV-S-92, AVS92
- Onkyo Fusion
- Onkyo SC-901, SC901
- Onkyo SC-950, SC950
- Onkyo A30GU25-51F

3.3 General Product Specifications

- Recommended Uses: For Surround Sound Systems, Home Audio Systems, Home Theatre
- Speaker Type: Surround Sound
- Mounting Type: Adhesive
- Manufacturer: Springfield Speaker
- UPC: 810694021188

4. PREPARATION

4.1 Required Tools and Materials (Not Included)

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

4.2 Important Pre-Installation Note

You MUST remove the speaker from its cabinet before beginning the repair process.



Thank you for your purchase of an SSR Do-It-Yourself speaker repair kit.

To view our [instructional videos](#) from your computer, tablet, or smart phone visit:
www.SpringfieldSpeakerRepair.com/DIY

Be sure to check out the video on how to easily center your voice coil using your smartphone or iPad without SHIMS!

Supplies Needed

- Box cutter / razor knife
- Chisel (Optional)
- Sharpie (Or similar sharpie)
- Rubbing alcohol
- Cotton swabs
- Paper towel (Or soft rag)

STEP 1
You MUST remove speaker from cabinet before you begin.

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Image: A visual guide to the necessary supplies and a critical reminder to remove the speaker from its cabinet before starting the repair.

5. INSTALLATION INSTRUCTIONS

5.1 Removing the Old Surround

Step 2: Using a razor knife, carefully slice down the middle of the damaged surround all the way around the speaker.

Step 3: Slowly and carefully peel the damaged surround from the cone. Exercise caution to avoid damaging the cone.



Figure 1: Slicing the old foam surround.

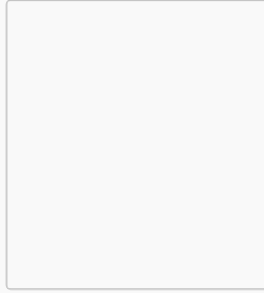


Figure 2: Peeling off the damaged surround.

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.



Figure 3: Removing the gasket.

Step 5: Using a chisel or your razor knife, remove any and all foam residue from the speaker frame. You do not need to remove all of the glue residue, but you **MUST** remove **ALL** of the foam residue.



Figure 4: Removing foam residue.

Step 6: 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.



Figure 5: Applying rubbing alcohol.

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.



Figure 6: Scraping cone residue.

Step 8: 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 cone and frame to dry completely.



Figure 7: Final wipe-down.

5.2 Attaching the New Surround

Step 9: 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.**



Figure 8: Test fitting the surround.

Step 10: Read the 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 the adhesive to breathe for a few seconds.



Figure 9: Applying inner adhesive.

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.



Figure 10: Placing the surround.

Step 12: 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.



Figure 11: Pressing the surround.

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 12: Cleaning excess glue.

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 the surround to fall into place on the frame.



Figure 13: Applying frame adhesive.

5.3 Final Adjustments and Curing

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 the cone side to side until the cone can be manipulated all the way in and out without any rubbing.



Figure 14: Centering the cone.

Step 16: As you did in Step 12, use your sharpie to press the surround gently into place on the frame. **Repeat Step 15.**

Step 17: Repeat Steps 15 & 16. Apply adhesive to the underside of your original gasket, or a replacement if you purchased one. Align the holes in the gasket with the mounting holes in the frame, and set the gasket in place. Press the gasket in place.



Figure 15: Pressing surround and gasket.

Step 18: Repeat Steps 15 & 16. Pick up the speaker 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.



Figure 16: Speaker face down for curing.

5.4 Completion



Image: A successfully repaired speaker with a new foam surround.

Repair Complete!

6. POST-INSTALLATION CARE

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

Enjoy the Music...

7. TROUBLESHOOTING

If you encounter any issues during the repair process, such as difficulty removing old residue or problems with surround alignment, please refer to the detailed steps again. Ensure all surfaces are clean and dry before applying adhesive. If the voice coil rubs, gently adjust the cone until it moves freely without friction.

For further assistance, please contact Springfield Speaker support using the information provided in the Support section.

8. WARRANTY AND SUPPORT

This product comes with a Limited Warranty. For specific warranty details, please contact Springfield Speaker directly.

8.1 Contact Information

For questions or support, you can reach Springfield Speaker:

Address: 4177 S Scenic Ave, Springfield, MO 65807

Phone: 417-501-4522

Toll Free: 800-397-9575

Fax: 888-880-7573

Website: www.SpringfieldSpeakerRepair.com

Business Hours: Monday - Friday, 9am - 6pm (Central U.S. time)

You can also visit their website for instructional videos and additional resources.