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Springfield Speaker 2CV10

Springfield Speaker 10-Inch Foam Surround Edge Repair Kit (Model 2CV10) Instruction Manual

Model: 2CV10



INTRODUCTION

This instruction manual provides detailed steps for repairing deteriorated foam surrounds on 10-inch speakers using the Springfield Speaker Foam Surround Edge Repair Kit. Following these instructions carefully will help restore your speakers to optimal performance. This kit is designed for a variety of 10-inch speakers, including compatible Cerwin Vega models such as 101W-2, 101W2, 101-W2, 102-WT, 102WT, 240-SE, 240SE, 250-SE, 250SE, AT-10, AT10, and ATW-10.

KIT CONTENTS

The Springfield Speaker 10-Inch Foam Surround Edge Repair Kit includes the following components:

- 2 Premium American-made Foam Surrounds (enough for 2 speakers)
- 1 Bottle of professional-grade adhesive (solvent-based)
- 1 Adhesive application brush
- Step-by-step installation instructions
- Free voice coil shims (available upon request)



Image: Contents of the Springfield Speaker 10-inch Foam Surround Repair Kit, including two red foam surrounds, a bottle of adhesive, an application brush, and instructions.

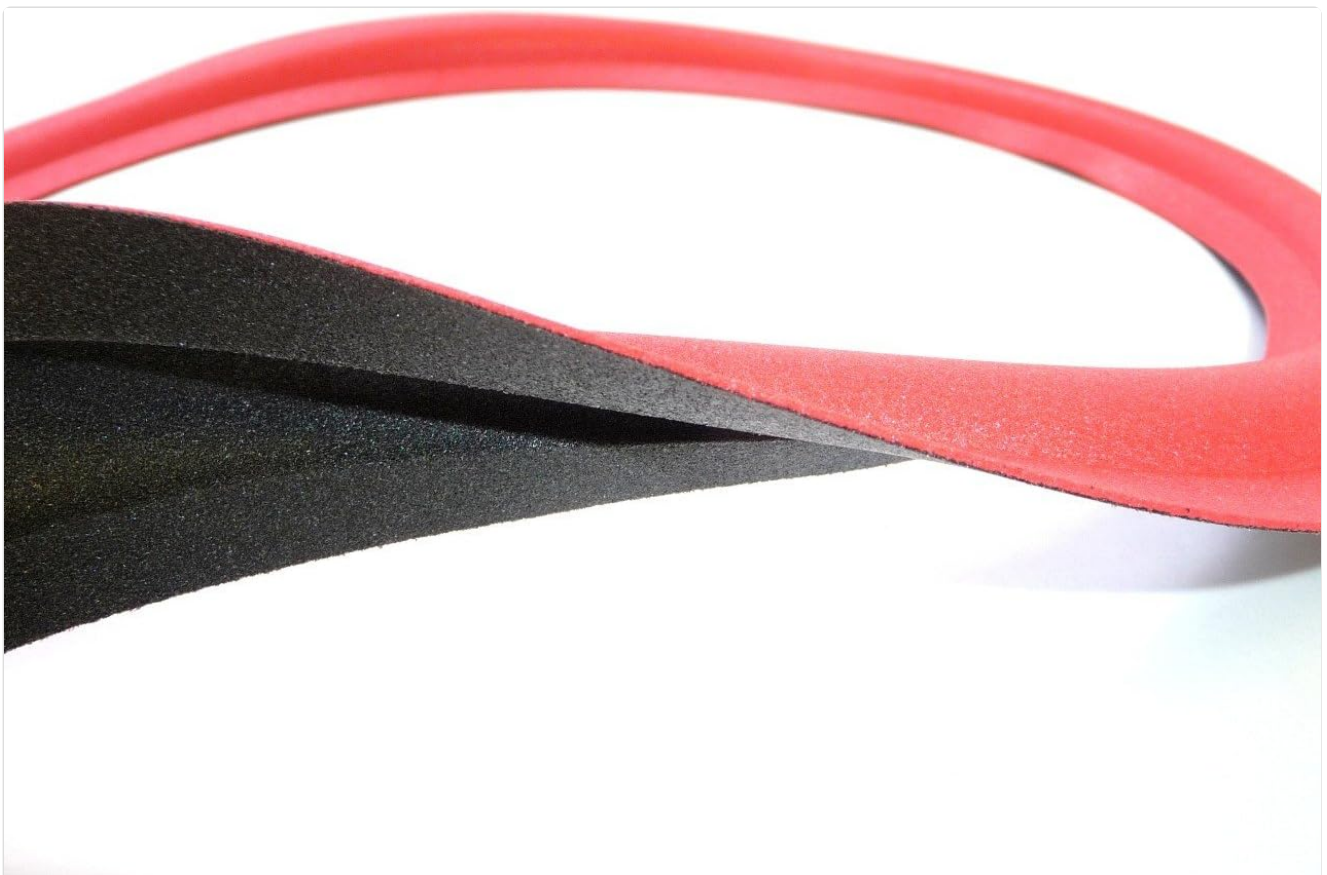


Image: Close-up view of the flexible foam surround material, demonstrating its pliability.

REQUIRED TOOLS (NOT INCLUDED)

To complete the repair, you will need the following additional tools:

- Box cutter or razor knife
- Chisel (Optional)
- Sharpie (or similar shape/size tool)
- Rubbing alcohol
- Cotton swabs
- Paper towel or soft rag

IMPORTANT SAFETY INFORMATION

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

INSTALLATION INSTRUCTIONS: SPEAKER FOAM SURROUND REPAIR

Part 1: Preparation and Old Surround Removal

1. **Step 1:** Carefully remove the speaker from its cabinet.
2. **Step 2:** Using a razor knife, slice down the middle of the damaged surround all the way around the speaker.
3. **Step 3:** Slowly and carefully peel the damaged surround from the cone. Exercise caution to avoid damaging the cone.
4. **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 may salvage the gasket for reuse. **NEVER pull the blade toward you.** Carefully remove the gasket and set it aside for reuse.
5. **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 glue residue, but you **MUST** remove **ALL** of the foam residue.
6. **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.
7. **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. This step is especially important 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.
8. **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 the cone and frame to dry completely.

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**

www.SpringfieldSpeakerRepair.com

Image: Visual guide for steps 1 through 8, demonstrating the removal of the old foam surround and cleaning of the speaker cone and frame.

Part 2: New Surround Installation

- Step 9:** Place the new foam surround in place upside down to test its 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.

10. **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 the adhesive around the inner flange/lip as it is applied. Allow the adhesive to breathe for a few seconds.
11. **Step 11:** 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.
12. **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.
13. **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.**
14. **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.

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.++

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**

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**

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**

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...**

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 7



Figure 8



Figure 9



Figure 10



Figure 11



Figure 12

Call with questions 1-800-397-9575

Image: Visual guide for steps 9 through 14, detailing the placement and adhesion of the new foam surround to the speaker cone and frame.

Part 3: Final Steps and Curing

15. **Step 15: THE FOLLOWING STEP IS PRIORITY #1.** 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.

16. **Step 16:** As you did in Step 12, use your Sharpie to press the surround gently into place on the frame. **REPEAT STEP 15 & 16!!**
17. **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.
18. **Step 18: REPEAT STEPS 15 & 16!!** 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.

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.**

Enjoy the Music...

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Image: Visual guide for steps 15 through 18, focusing on voice coil centering, final adhesion, and gasket placement.

YOU'RE DONE!!!



Image: A fully repaired speaker with a newly installed foam surround, ready for curing.

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

Enjoy the Music...

PRODUCT SPECIFICATIONS

Model Number	2CV10
Outer Diameter	9.75 inches (248mm)
Outer Roll Diameter	8.9375 inches (227mm)
Cone Diameter	7.625 inches (194mm)
Inner Diameter	7 inches (178mm)
Roll Width	5/8 inch (16mm)
Inner Attachment	Angled
Material	Foam
Compatible Speaker Size	10 Inches

WARRANTY INFORMATION

This product comes with a limited warranty. For specific details regarding the terms and conditions of the warranty, please refer to the documentation provided with your purchase or contact Springfield Speaker customer support.

SUPPORT AND CONTACT INFORMATION

For additional questions, technical assistance, or to request free voice coil shims, please contact Springfield Speaker:

- **Phone:** 1-800-397-9575

- **Website:** www.SpringfieldSpeakerRepair.com

You can also visit the website for instructional videos and further information.

