

## How to install your **SSR** speaker refoaming kit

(View all of our DIY instructions by visiting [www.SpringfieldSpeakerStore.com](http://www.SpringfieldSpeakerStore.com) and clicking on the "DIY Instructions" tab)

In this step-by-step guide we will teach you how to

Turn **THIS**...



...Into **THIS**



Your kit includes:

- **Premium replacement foam or rubber surround(s)**
- **SSR professional-grade speaker adhesive** (*Not the cheap garbage that others sell*)
- **Yorker cap for easy adhesive application**
- **Tin application brush(es)**

What you will need:

- Your **SSR** speaker refoaming kit
- Box cutter / razor knife
- Chisel (*Optional*)
- Sharpie (*Or something of similar physical shape/size*)
- Rubbing alcohol
- Cotton swabs
- Paper towel or soft cotton rag

In this particular set of instructions we repaired a **JL Audio 10W0** Subwoofer. Different speakers will sometimes require slight alterations to these steps but the basic process always remains the same.

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

**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.

**Step 4** – Carefully remove the gasket and set it aside to reuse later.

**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.



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**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 as it will not hurt the cone. Allow to soak for 1-2 minutes.

**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.

**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.

**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. **++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 SSR adhesive to innermost flange/lip of surround.



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**Step 11** – Use your tin applicator brush, or the tip of the bottle, to evenly spread adhesive around the inner flange/lip. Allow adhesive to breathe for 30-45 seconds.

**Step 12** – 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.

**Step 13** – 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.

**Step 14** – Use a paper towel lightly dampened with warm water or nail polish remover too clean up extra glue residue before it dries.

**Step 15** – Take a 30-45 minute break...

**Step 16** – Now that your first adhesive application has had a chance to cure 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 SSR 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.

**THE FOLLOWING STEP IS PRIORITY #1**



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**Step 17** –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 accordingly until cone can be manipulate all the way in and out without any rubbing.

**Step 18** – As you did in Step 13, use your sharpie to press the surround gently into place on the frame. **REPEAT STEP 17!!**

***OptionalStep 18 1/2** – Hook speaker to stereo or tone generator and apply sound. Lower frequencies & medium volumes are better. This will help to center to voice coil naturally. **REPEAT STEPS 17 & 18!!***

**Step 19** – **REPEAT STEPS 17 & 18!!**  
Apply adhesive to the underside of your original gasket, or replacement if you purchased one. Set aside for 30 seconds while you **REPEAT STEPS 17 & 18!!**

**Step 20** – Align holes in gasket with mounting holes in frame, and set gasket in place. Press gasket in place.

**Step 21** – Visually inspect the alignment of the gasket, and **REPEAT STEP 17** for the last time.



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**Step 22** – 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.



**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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