

# **REATTACH LOOSE WIRE/FOIL INSTRUCTIONS**

The reattachment process is a much quicker and easier undertaking than a full or sectional strip and rewire. That being said this process is only recommended in situations of limited, isolated, or anomalous delamination. For widespread delamination or for any speaker that was wired/foiled more than 15 year prior to attempting this process, a sectional or full strip and rewire is the ideal and recommended procedure. Additionally for speakers manufactured before 2006, that have never been rewire/refoiled or serviced, this process is not recommended. Finally it is important to remember that adding anything to the driver (such as additional coats of adhesive) increases the mass of the driver and therefore decreases the efficiency and quality of the speaker. Please see the WIRE REMOVAL/INSTALLATION and/or the FOIL REMOVAL/INSTALLATION instructions for reference.

For questions or to order parts please contact the Magnepan Service Department at [service@magnepan.com](mailto:service@magnepan.com) or 651-262-1934.

## **SPEAKER DISASSEMBLY AND PREPARATION:**

- 1.) Remove the stiles and fabric from the speaker using the appropriate instructions.
- 2.) After all of the finish has been removed, lay the speaker down flat with the driver facing up.
- 3.) Make sure to take pictures of the driver. Pictures of the driver as a whole and pictures of the specific area to be worked on. Wire/foil positioning is very important and it needs to be replicated precisely.
- 4.) Re-read the instructions completely and confirm that all tools, supplies, and any necessary items are readily available. Use the following steps as many times as needed.

## **CLEANING THE AREA TO BE REATTACHED:**

- 1.) Work on only one small section at a time—no more than about 2” squared. Carefully clean all of the adhesive off both the Mylar and the wires/foil using acetone solvent. Cotton swabs and other more precise cleaning instruments may be helpful for this process. Be careful when cleaning the underside of thing wire/foil as it can easily be broken.
- 2.) Be sure to restrict your cleaning to only the area that needs to be reattached. Removing adhesive outside of the scope of work may detach more wire/foil and/or it may require the use of more adhesive than necessary.
- 3.) When removing 30-NF try to keep the border between clean Mylar and existing 30-NF from becoming jagged and gummed-up. For speakers with drivers visible through the fabric this may be aesthetically unappealing.
- 4.) For a superior clean a solution of 50% Isopropyl Alcohol and 50% water can be used to remove the acetone residue and remove any lingering adhesive.

## **REATTACHING THE WIRE/FOIL:**

- 1.) Spray a light coat of 3M Super 77 Spray adhesive on the clean Mylar area underneath the loose wire/foil. Some amount of 77 will likely get on top of the wire/foil—that is okay. For situations where the delaminated area is very small, a cotton swab may be used by dousing it with 77 first and then applying the soaked end to the Mylar.
- 2.) Allow 5-15 minutes for the Super 77 to dry, depending on thickness sprayed, humidity, air flow, and temperature. The ideal consistency is tacky to the finger without being liquid or, “clumpy.”
- 3.) When the Super 77 has reached ideal consistency press the wire/foil back into place. Consult the pictures taken before beginning this process for reference. The wire/foil should ideally be centered between the Magnets. Allow the Super 77 to completely dry before proceeding. (Two or more hours depending on humidity)
- 4.) Using a soft paint brush, or foam brush, carefully and gently apply a light and even coat of Magnepan’s 3M 30-NF mixture to the appropriate area. Do not apply more than one coat. Allow the 30-NF at least two hours to dry before moving the speaker and 12 or more hours before testing it.