

STILE REMOVAL/INSTALLATION

These instructions cover most types of stiles, trim, and frames for Magnepan speakers; how to remove them, and how to install them. Using the section titles skip to the section that is applicable. Before starting this process it is recommended that you read the relevant section instructions fully. Other sections may also contain useful and reference information. Make sure to have a clean and flat workspace to lay the speaker(s) down for parts of this process. Verify that the necessary tools and supplies are available. It is a good idea to take pictures first before you starting this process, and throughout the process, for reference and reassembly. Additionally it is recommended that work be done on one speaker at a time; this allows the other speaker to serve as a reference. For questions, or to order parts please contact the Magnepan Service Department at service@magnepan.com or call (651) 262-1934.

STANDARD THIN “INSERT” STILES

These wood stiles sit inside of a small channel in the internal frame and act as accent pieces. This is the most common type of stile has been used for many models and years. These models include but are not limited to: MMG, MG1.7, MC1, Mini, CC5, DWM, etc.

REMOVAL:

- 1.) Starting on the bottom end of the speaker, carefully pry up the stile with a screwdriver (or similar tool). Apply even pressure so as to not split or crack the wood. There will be 5-10 finish brads that are puttied over holding each stile on; pry more firmly near the brads. Use this method from the bottom to the top of the speaker along the length of the side until the stile is completely separated from the frame. Smaller stiles will be more fragile than the larger ones and it will be much easier to brake the: use caution, smaller tools, and gentler pressure.
- 2.) Some of the finish brads may pull through the wood and stay in the frame whereas some may stay in the stile. Regardless these should be removed, a nail puller is best for removing them but a pair of pliers will suffice. Be careful when pulling the brads not to crack, dent, or mar the stiles.

INSTALLATION:

- 1.) When reusing the existing stiles, make sure to remove splinters and clean up any imperfections before installing them. For existing or new stiles it may be desirable to wipe them down with a furniture cleaner or polishing spray.
- 2.) If new stiles are to be used, drill pilot holes approximately every 8-10 inches using a slightly under-sized drill bit. Make sure to not drill holes closer than 1 ½ inches from the top or bottom.
- 3.) Place the stile flush with the top of the speaker. It may be necessary to tap the stile into the channel with a mallet.
- 4.) Magnepan uses #17 finish brads with a pneumatic brad nailer but standard home finish nails installed with a hammer will work. Install #17 or slightly smaller sized brad nails or similar finish nails into the pilot holes.
- 5.) Drive the nails in, starting at the top and working down the length of the speaker ensuring that the stile stays straight and within the channel. Then use a nail, or a nail set to sink the nail heads below the stile surface.
- 6.) If desired, the nail heads can then be covered with the appropriate color putty. Rub in the putty until it is smooth and virtually invisible wiping the excess with a cloth. Be careful not to get the putty on the fabric as it may stain.

CLASSIC SCREW-ON STILES

These stiles are the second most common across Magnepan’s speaker history. They are almost mostly wood and are the easiest to remove and install as they simply screw on from the sides; though this means that the screws are visible. Models that use this type of stile include but are not limited to: SMGa, MG-Ic, MG-IIIa, MG10.1, MG.7, T-IV, etc.

REMOVAL:

- 1.) Most screw on stiles are affixed with #2 Philips head screws but there are some exceptions such as the MG.7’s T15 star head screws. Using the appropriate bit unscrew all of the stile screws and remove the stile.

INSTALLATION:

- 1.) Before installing the stile(s), especially with older speakers, it may be a good idea to pack toothpick(s) or small dowel(s) into the screw hole to ensure a better fastened screw. Additionally for existing or new stiles it may be desirable to wipe them down with a furniture cleaner or polishing spray.
- 2.) Align the stile(s) with the side of the speaker such that the screw holes line up. Especially with older speakers the stiles may no longer be interchangeable from side to side and some stiles have tops and bottom. Make sure the stile(s) are in the correct position and then screw the screws in snugly. If a screw strips out, toothpick(s) or match stems may be used to pack the hole such that the screw will again work.

STILES FOR SPEAKERS WITH UNDERBAGS AND GRILLE COVERS

These stiles are the largest of all Magnepan stiles. They are also specially made to incorporate the attachment of the grille cover and come in wood or aluminum. Please reference the UNDERBAG INSTRUCTIONS and/or the GRILLE COVER INSTRUCTIONS. Models that use this type of stile include but are not limited to: MG.6, MG1.5, MG2.7, MG3.x, MG20.x, MG30.x, etc.

REMOVAL:

- 1.) Lay the speaker face down on a flat and clean work surface. Install the tweeter protector strip for models with ribbon tweeters, or remove them entirely using the RIBBON TWEETER REPLACEMENT instructions.
- 2.) Remove the screws/bolts (and washers) from the back of the speaker that are holding the stiles and spacers in place. Using the UNDERBAG INSTRUCTIONS and GRILLE COVER INSTRUCTIONS for reference.
- 3.) If the grille cover(s) have not been removed then the entire front assembly (stiles, grille covers(s), and spaces) will be able to be separated as one piece. This is advantageous if the intention is to reinstall it as in. In this case lift the interior underbagged panel up off of the front assembly and store it for later. Keeping it flat is ideal.
- 4.) If the grille cover(s) have been removed then the stiles and spacers can be slid out from underneath the panel.

INSTALLATION:

- 1.) If the front assembly (stiles, grille covers(s), and spaces) is still in one piece simply set the underbagged panel down onto the assembly. Align the screw/bolt holes and reinstall the screws/bolts (and washers) starting with the center stile (if there is one). Then screw in the top and bottom spacers. Finally screw/bolt in the side stiles. It may be necessary to reach under the speaker and squeeze the side stile up against the underbagged panel in order to properly align them for the screws/bolts. Make sure to secure the bolts/screws firmly but do not over-tighten them. If the stiles, spacers, and grille cover(s) are not assembled together then skip this step.
- 2.) Use the UNDERBAG INSTRUCTIONS and GRILLE COVER INSTRUCTIONS for reference for the following steps. Place the underbagged panel face down on a flat and clean surface with the top of the speaker overhanging the surface by an inch. Hold the top spacer in place with the screw holes aligned. Screw the top spacer into place.
- 3.) Flip the speaker over and place it such that the nameplate is facing down hanging off of the flat surface. Position the bottom spacer on top of the panel with the screw holes aligned and, screwing from the bottom, screw the bottom spacer into place. With the speaker still face-up, place the center stile (if there is one) within the empty spaces within the top and bottom spacers and screw the bottommost screw in, through the spacer and stile. If this is a brand new stile first pilot the hole using the panel hole and the hole in the existing spacer to guide the drill.
- 4.) Carefully flip the speaker over again (gently holding the center stile in place if there is one the finish installing the remaining center stile screws). Working with one side at a time carefully slide a side stile underneath the speaker until it makes contact with the top and bottom spacer and then move it out just slightly (this gap is for the excess fabric of the grille cover and is very necessary). Make sure to align it with the top edge of the speaker. Install the side stile screws and then repeat this step for the other side. If the stiles are brand new make sure to pilot the holes first using the panel holes as a guide for the drill. If the stiles are old and have been removed and installed many times, toothpicks or match stems may be used to pack the holes allowing for a more secure screw/bolt.

ALUMINUM ROUND STILES

As the name suggests these stiles exclusively come in aluminum. They are sleek and compatible with a handful of models, using a compression fit, and sometimes adhesive, to be installed. These models include but are not limited to: MG1.6, MG1.7i, DWM-T etc.

REMOVAL:

- 1.) Starting on the bottom end of the speaker, carefully pry up the stile with a screwdriver (or similar tool). Apply even pressure so as to not damage the frame or stile. If the stile hasn't been affixed using adhesive then the stile should pop off after sufficient pressure is applied. If adhesive has been used then the sufficient pressure will start to peel the stile away and the bottommost glue spot will become visible.
- 2.) Using your hand or a blade sever the connection between the adhesive and the fabric, while apply leverage. Move up the length of the side of the speaker—there should be four to five adhesive locations. After is glue spot is broken the stile will be free.

INSTALLATION:

- 1.) Lay the speaker on its side. Make four incisions in the fabric (either with a soldering iron, or a blade.), between 1 and 2 inches long, 2 inches from the top, 2 inches from the bottom, and two evenly spaced in between. Apply a compound adhesive (Magnepan uses 3M Fastbond Green) through each hole directly on the internal frame.
- 2.) Using a rubber mallet or similar, tap the stile into the internal frame channel making sure to keep the stile ends flush with the top and bottom of the speaker. Using some force hammer along the whole length of the stile until it is firmly in place. Using at least two long clamps (quick clamps work best), clamp the stile(s) onto the speaker at the glue spots. Do not over-tighten the claps as you may damage the stiles or the speaker.
- 3.) Both stiles may be installed simultaneously. Be careful to not get the adhesive on any parts of the visible fabric. Do not stand the speaker up until the adhesive is fully cured as it may run out of the bottom of the speaker.

FULL FRAMES

This stile approach has not been used for many years but it was a staple of the Magnepan appearance in the early days. Models that use the fully surrounded wooden frames include but are not limited to: MG-I, MG-II, MG-III, MG2167-F, etc.

REMOVAL AND INSTALLATION:

- 1.) For most models with full frames the fame can be easily, completely disassembled simply by removing all of the visible frame screws. It is recommended to label each piece with left or right speaker, left or right side, top and bottom, and/or front and back such that the speaker(s) can be reassembled with each frame piece in the exact same position. When reinstalling the screws in the frame, toothpicks or match stems may be used to pack the holes allowing for a more secure screw/bolt. Reassemble the frame starting from the bottom and working up.
- 2.) Alternatively, just the top piece may be removed and the interior panel may be slide out of the frame. Remove the top center screw, and each top corner side screw, then pull the top up and out of the frame. Make sure to label the top frame piece accordingly such that it can be reinstalled in the same orientation. When reinstalling the screws in the frame, toothpicks or match stems may be used to pack the holes allowing for a more secure screw/bolt.
- 3.) MG-1672P's and MG-2167F's (manufactured in 1973, and '74.) cannot be disassembled using the above steps as the frames are manufactured as one piece. Instead, remove the base from the speaker and lay it face down on a flat surface. Using a rubber mallet knock the black triangular base connection block off of the side steel rails. Do not remove the side steel rails. After the base connection block and the nameplate of the speaker have been removed, the interior panel may be slid out of the bottom of the speaker through the slit in the bottom part of the frame. For assembly follow these steps in reverse. Remember to only install the nameplate after the speaker panel is already within the frame.