

FIREPLACE SURROUND INSTALLATION GUIDE

DISCLAIMER: THIS INSTALLATION GUIDE IS ONLY MEANT TO BE A GUIDE FOR EXPERIENCED CONTRACTORS AND QUALIFIED INSTALLERS. THIS IS NOT INTENDED TO BE AN INSTALLATION PROCEDURE OR AN INSTRUCTION MANUAL. THIS IS ONLY A GUIDE INTENDED TO GIVE QUALIFIED INDIVIDUALS AN IDEA OF HOW TO INSTALL A STANDARD METASTONE. MANTEL. METASTONE WILL NOT BE HELD LIABLE FOR ANY INSTALLATION NOT PERFORMED BY METASTONE.

CAUTION: ALL PIECES SHOULD BE TRANSPORTED AND MOVED ON EDGE TO HELP AVOID BREAKAGE AND HAIR LINE CRACKS

1. For raised hearths: Wooden rough hearth boxes shall be centered and leveled in front of the firebox. Rough hearth boxes should be firmly secured and screwed to the wall studs and or the plate line.
2. Cast hearth caps need to be shimmed level and dry fit before applying glue. The cast hearth cap shall be centered in the front of the firebox and on top of the rough hearth box if installed on a raised hearth system. Place the hearth cap as tight and square as possible to the wall. To avoid the hearth cap from shifting or potentially cracking during installation of the mantel components you need to support the center and all four edges of each hearth pieces with shims and glue. (A high grade masonry construction adhesive is required.) Do not set the hearth risers at this time. However be sure the proper overhand reveal around the rough hearth box is allowed for riser installation. **CAUTION:** THROUGHOUT THE INSTALLATION OF ALL MANTEL PARTS, MAKE SURE THAT ALL SURFACES ARE DRY, CLEAN AND FREE OF DUST BEFORE APPLYING GLUE.
3. Check your line drawing for the distance between the fireplace legs. Draw a plumb line where the shaft of each leg will be placed. Make sure the lines are equal distance from the center of the firebox. This will ensure correct location of the legs.
4. Dry fit your legs on top of the hearth using a 1/8" spacer between the legs and hearth caps. Find your backing and/or Kind stud and pre-drill a slightly oversized hole for a screw at a 30

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degree angle on top of the legs that lines up with your backing. Countersink the top of your pre-drilled hole to allow for the head of the screw to recess. If you are installing into a masonry wall, pre-drill the masonry and use lead wall anchors. If you cannot find any backing use a "hollow wall anchor". 90 degree angle brackets may also be used. Remove the legs from their dry fit position on the hearth and apply glue to the back of them. (A high grade masonry construction adhesive is required.) Place the legs back into the marked position and attach them to the studs or backing with a 3" to 4" screw through your pre-drilled holes (Do not over tighten screws to allow for settling.) **CAUTION: THE LEGS MUST BE MECHANICALLY ATTACHED TO THE WALL; THE GLUE ALONE IS NOT A SAFE ATTACHMENT.**

5. Check for level across the tops of the legs. Make adjustments as necessary. Use 1/8" shims on the top of the legs and dry fit the lintel. Check the lintel for level and spacing according to the line drawing. Make the necessary adjustments and mark the dry fit lintel for reference. The outside edges of the lintel will not be hollow. Look for backing in these areas so you can make a mechanical attachment to the sub-structure. If backing is available at the edges of the lintel then pre-drill a hole at a 30 degree angle through the top of the lintel that lines up with your backing. Repeat the process described in paragraph 4 for drilling and attaching screws. *(if you are installing a Julliard, Innsbruck, Karrington, or any mantel that has a wood rough lintel box or sub-structure, find your wall studs and pre-drill through the rough box and line up with the studs or backing.)* If you are installing into a masonry wall pre-drill the masonry and use lead wall anchors. If you can not find any backing use "hollow wall anchors" and a 2"x4" or 2"x 6" cleat in the hollow part of the lintel to pin the mantel cap to the legs. Screw the cleat to the sub-structure/studs. Remove the lintel from the dry fit position and apply glue to the back of it and on top of the legs.

(A high grade masonry construction adhesive is required.) Place the lintel back into the marked position and attach to the studs or backing with a 3" to 4" screw through your pre-drilled holes. **Caution!** *(The lintel must be mechanically attached to the wall and the sub-structure/studs. The lintel is very heavy. Hollow wall anchors and the glue by themselves are not a safe attachment. When using hollow wall anchors you must also use the cleat method referenced above. Again, it is imperative to make a mechanical attachment from the lintel to the sub-structure/studs.)* Re-check the lintel for level and make the necessary adjustments.

6. Use 1/8" spacers to the top of the lintel and dry fit your mantel cap and mark its position on the wall. Remove the mantel cap and apply glue to the top of the lintel. *(A high grade masonry construction adhesive is required.)* Place the lintel into the marked position and re-

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check for level and make the necessary adjustments. **Caution!** *(If your mantel cap is thicker than 3" in height from the top of the lintel or the lintel top surface is less than 7" deep, the glue alone is not a safe attachment and you must make a mechanical attachment to the wall.)*

7. For a raised hearth application dry fit your front and side hearth risers. Use 1/8" spacers between the hearth cap and the risers. Use whatever spacers necessary between the sub floor and the bottom of the risers to achieve 1/8" spacer use, between the top of the risers and the hearth cap. Remove the risers from the dry fit position and apply glue to the back of them. Place the risers back into the proper position. (A high grade masonry construction adhesive is required.)

If you are using filler panels to fill the area left between the legs and fire box, or to fill any area between your fireplace surround and the fire box, you will probably need to field cut the filler panels. Use a saw or grinding wheel equipped with a spacer room in between parts. Apply glue to the back of the fillers and install in their dry fit positions. (A high grade masonry construction adhesive is required.)

8. You are now ready to grout the fireplaces surround. Select a matching grout from your local building supplier. Always use clean water when grouting. Use a grout bag or grout tube to keep as much grout as possible off the surround. This allows for easier clean up.