

**KETTLE MORaine
HARDWOODS, INC.**



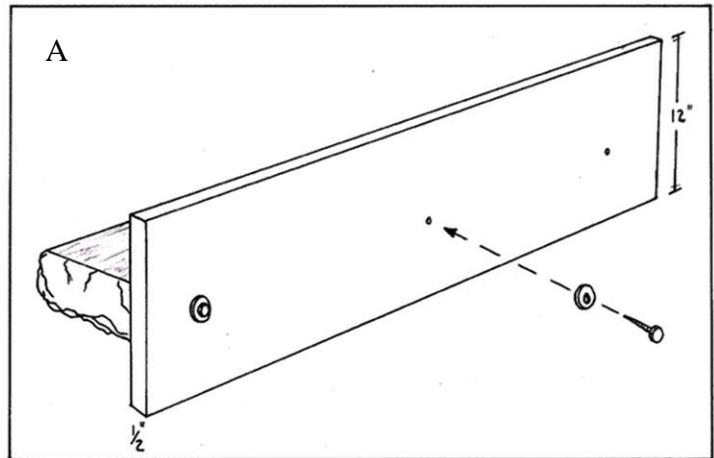
MANTEL INSTALLATION INSTRUCTIONS

The method of installation will vary with the individual situation and your personal preference. Instructions follow for several of the approaches that have succeeded for our customers. Mounting hardware depends on the installation method you use and is commonly available at local home centers. No mounting hardware is included with your mantel.

For New Fireplaces

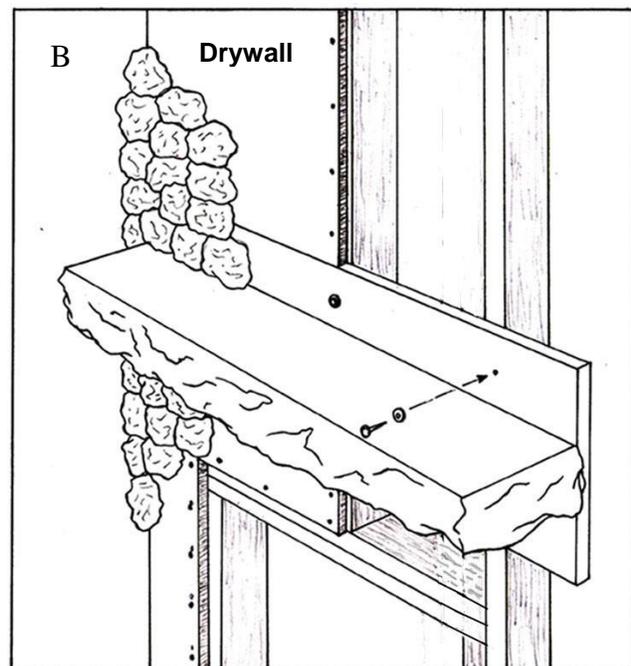
If you install the mantel before the brick or stone face is put on the fireplace, the mantel can often be mounted to the stud wall first, and the brick or stone can then be put on around the mantel.

The easiest way to do this is to first lag a piece of $\frac{1}{2}$ " plywood, measuring about 12" high and the length of the mantel, to the backside of the mantel as shown in **Figure A** at right.



Next, take the mantel and plywood assembly and lag through the plywood into the wall studs at the location you desire as shown in **Figure B** at right.

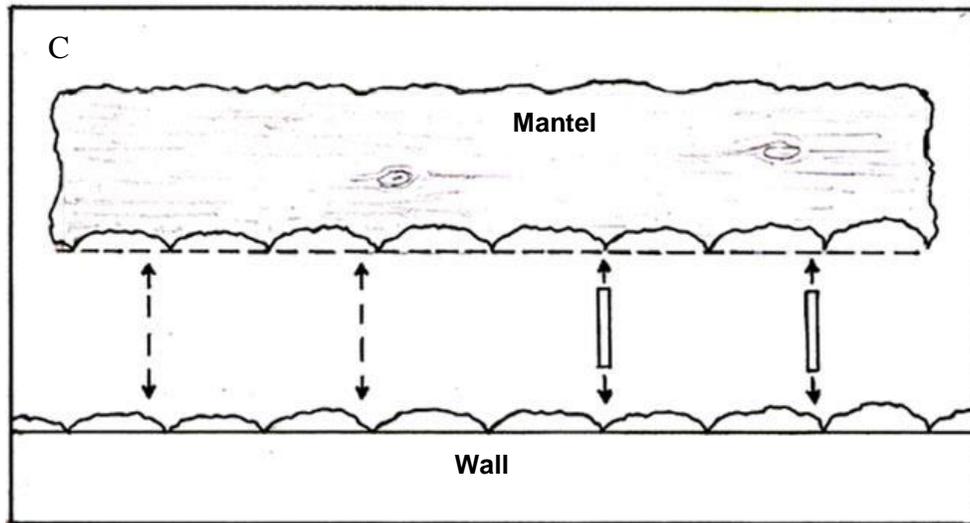
Please note, if drywall is already up on the wall, you will want to cut out the area where the plywood will go so that the drywall and plywood are even. After lagging, the mantel will be firmly in place and the facing can be put around it.



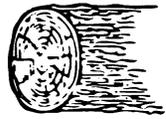
For Existing Fireplaces

One of the most common installation techniques for an existing masonry fireplace is to fasten the mantel with metal rods or pipes directly onto the facing.

Start by drilling holes 12" to 18" apart into the mortar joints. Then install metal pipes or rods about 1" in diameter into these holes with anchors or pressure cement. These rods should go at least 4" to 6" into the mortar joint and allow another 4" to 8" to stick out depending on the depth of your mantel. Next drill the back of the mantel to line up with the pipes and slide the mantel on as shown in the top view diagram **Figure C** below. Construction cement or small corner brackets can be used to prevent the mantel from vibrating off if necessary.



Please note, if the stone face of your fireplace is irregular, the back edge of the mantel can be scribed to fit the stone as shown in the diagram. The dotted line on the mantel shows the square back of the mantel as shipped, and the solid line shows the scribing to match the stone shape. The fit does not need to be perfect to look good, but it may take a few tries to match the mantel to the stone.

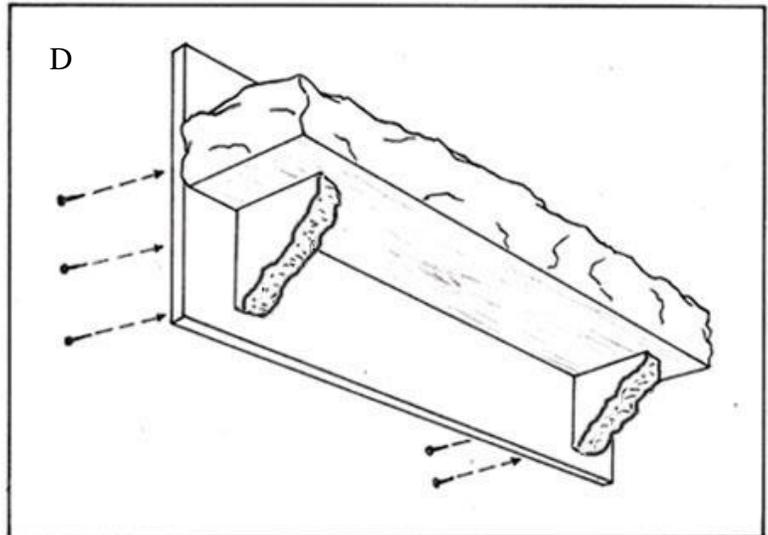


WOODEN MOUNTING BRACKET INSTALLATION INSTRUCTIONS

There are two types of mounting brackets available: Triangle and Square. They are often used to enhance the appearance of a mantel, and they can also provide extra support.

Triangle brackets can be installed in new fireplace installations before the facing is put up according to the method explained in the instructions *For New Fireplaces* and as shown in **Figure D** at right.

If you have an existing fireplace and the facing is relatively smooth, triangle brackets can be installed on top of the facing with anchors into either brick or mortar joints. The mantel can then be set on top of the brackets.



Square brackets need to be installed before the stone or brick facing is put up. The bracket recesses into the stud wall and is normally screwed or lagged to the side of a stud as shown in **Figure E** at right.

The mantel can be set on top of the brackets either before or after the facing is installed.

