

# **MagraHearth MBB Knee Brace Mounting**

## **Instructions**

### **Non-Combustible ASTM E-136\***

\*Standard Test Method for Behavior of Materials in a Vertical Tube Furnace of 750 Degrees

#### **Tools needed:**

#### **Parts:**

Power screw driver with Phillips head drive	2- MagraHearth Knee Brace
Phillips bit and #2 square drive	2- Mounting Bracket 2" x 2" x 11"
Tape Measure	4- Trim Head Screws
Level	4- 2 ¼" sharp point screws for Mounting Bracket
Stud Locator	

- **MagraHearth products are true replications of century's old & natural materials. There are inherently irregular aspects of these artifacts.**
- **It is important for you to have the knee brace location and backing inside the wall in place before starting install.**
- **If you are unable to find studs, you need to open the wall and add wood studs or 16 gauge metal studs if in the non-combustible zone.**
- **All pieces can be cut to size – Use a diamond blade 4 ½ inch grinder or circular saw. Wearing safety glasses, and respirator is recommended.**
- **If part or all of the knee brace is over the metal face of the unit, self-tapping screws may be used to install mounting bracket directly to the unit.**
- **If attaching mounting bracket over a masonry surface use proper masonry anchor for the type of surface you are attaching to- consult your fastener supplier. The anchor should be able to support 4 times the load.**

#### **INSTALLATION INSTRUCTIONS**

- **Step 1.** Unpack knee brace from box. Remove protective foam.
- **Step 2.** Remove mounting brackets carefully from inside box. Mounting screws will be in a plastic bag inside the knee brace.
- **Step 3.** Prepare knee brace by pre-drilling holes for trim head screws. Drill 1/8" holes on bottom of knee brace "long side" all the way through at 8" on center, and 1 1/2" from back edge. Use ¼" drill bit to countersink screws 1/16" of an inch.

- **Step 4.** Hold knee brace in place and trace a pencil line on bottom side, use measurement "A" to determine the thickness of knee brace and add 1/8" to mark line for mounting brackets

**Picture for measurement "A"**



- **Step 5.** Install mounting brackets using 2 sharp point screws per bracket. When installing 2x2 mounting bracket to wall we recommend pre-drilling the bracket.

**Picture of mounting bracket**



- **Step 6.** Place the knee brace over the bracket and check placement making sure mounting bracket is not holding knee brace off mantle and leg you want the 1/8" from step 4 so it will tighten up the knee brace.

- **Step 7.** Install corbels with trim head screws.

**Picture of possible location for Mounting screws**



**Picture of Knee Brace Installed**



Your installation of the MagraHearth Mantel should now be complete. If you have any questions, you can contact us at [techsupport@magrahearth.com](mailto:techsupport@magrahearth.com).