



## SIERRA SHELF INSTALLATION GUIDE

This mantel shelf is intended to be installed on a wall above a new or existing fireplace. **BE SURE TO CHECK LOCAL CODES AND FIREPLACE MANUFACTURER'S SPECIFICATIONS BEFORE INSTALLING THE SHELF SO AS TO MAINTAIN PROPER CLEARANCES TO COMBUSTIBLE MATERIAL. GUIDELINES FOR PROPER CLEARANCE TO COMBUSTIBLES ARE NORMALLY LISTED IN THE FIREPLACE INSTALLATION MANUAL.**

When you install the fireplace, be sure to follow manufacturer's instructions carefully in regard to locating, plumbing and wiring your new fireplace. You may be required to have this portion of the job performed by a licensed professional.

Below you will find instructions for three local conditions:

- A. Cultured stone over wood framing with drywall or plywood and pre-fabricated fireplace.
- B. Masonry fireplace.
- C. Drywall over wood framing without stone.

**For comments or questions about this shelf, please call: 1-888-880-0192, ext. 244.**

### **A. Installation with cultured stone (wood framing and drywall or plywood around fireplace) (Install shelf BEFORE installing the cultured stone.)**

1. Mount a 2 x 4, 12 inches shorter than the shelf, to the back of the shelf, flush with top edge. Locate the two metal straps packed with the shelf {6" x 1 1/2" x 1/8"}.
2. Mount the straps to the 2 x 4 (using at least 2" screws) with about half of the strap protruding above the shelf, locating straps so that they fit the spacing of the studs in the wall when shelf is centered over fireplace.
3. Hold the mantel up to the desired height, check level, and screw straps to the studs, using screws long enough to penetrate studs at least 2".
4. Place cultured stone around the mantel, mortaring up to the shelf all around. The stone and mortar will cover the top of straps and the 2 x 4.

## **B. Installation on a masonry fireplace**

**Please read the instructions below. If you have any questions or are unsure of how to proceed, contact your masonry contractor for assistance.**

1. Determine location of the flue for fireplace. Do not drill holes within 12 inches of either side.
2. Determine the installation height of mantel shelf. Draw a level line on masonry at this point. Make sure the bottom of the shelf is a minimum of 20" above the top of fireplace doors or opening to firebox, or check with your local Building Inspector.
3. Drill two holes in the fireplace with masonry bit (3/4"), approximately 4" deep. Holes should be located at least two inches below the line you drew in Step 2. **Note: If you find that your masonry is hollow inside (e.g., unfilled concrete block), you will definitely need to enlist the help of a masonry contractor.**
4. Put 2-3 ounces high temperature silicone into the holes and place 10" x 3/4" Reddy Bolt or rebar into holes. Make sure that bolts go in all the way to back of hole.
5. Place mantel at desired level, mark holes in flat side, and drill with 3/4" wood bit. Push mantel onto bolts with 2-3 ounces high temperature silicone in each hole. If necessary, support with braces overnight or until silicone is dry.

## **C. Installation against drywall with no stone**

1. Locate the two metal straps packed with the shelf{6" x 1 1/2" x 1/8"}. Mount the straps to the back (flat side) of shelf(using at least 2" screws), locating straps so that they fit the spacing of the studs in the wall when shelf is centered over fireplace. About half the length of the straps should protrude above the shelf.
2. Hold the shelf up in the desired location above fireplace, check level, and mark the location of the straps on drywall. Set shelf aside and relieve strap locations to a depth of 1/8" so that the straps will be flush with face of drywall.
3. Replace shelf and screw mantel straps to studs. Use screws that will penetrate the studs at least 2". Then finish over with drywall mud and tape to conceal the straps.