

***Product
Knowledge
Training Guide***



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MantelCraft Product Knowledge

Special Order General Information

- Mantels ship unfinished unless optional factory finishing is specified.
- All mantels are custom built to suite guest's application.
- Wood types available are paint grade Poplar, Red Oak, Maple, Cherry, Walnut, and Mahogany.

Construction

- **Mantel terminology:**

Top: Top flat portion of mantel shelf.

Surround: Section that goes around firebox.

Mantel Shelf: Top section above surround.

Header: Flat piece between shelf and legs.

Breast: Header and mantel shelf.

Leg: Two pieces below breast on sides of firebox.

Return Depth: Space from the back of the leg to the wall.

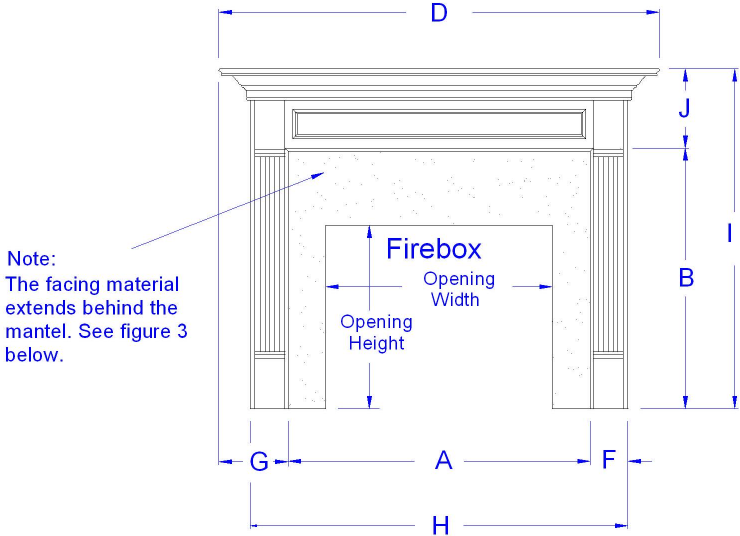
Scribe Moulding: Moulding that finishes mantel opening.

Facing Material: Non-combustible material that is used to surround the firebox.

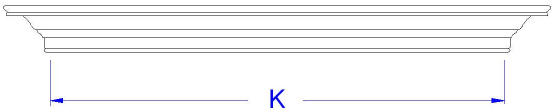
- **MDF:** (Medium Density Fiberboard) Used for the foundation of the mantel, top, header, legs. Provides a stable base for all solid mouldings, blocks, plinths, etc.. Will not warp, crack or split.
- **Solid Lumber:** Used on all mouldings, blocks, plinths etc..
- **Ready to Finish:** Paint grade Poplar and Oak mantels grade come with nail holes filled with putty and with light sanding mantels are ready to paint or stain. All other mantels ship without nail holes filled so nail holes can be filled with the appropriate color of putty to match the stain used.
- **Assembly:** Mantels come KD or "knocked down" in 3 pieces. Legs slide into header for quick assembly and are secured with a cam lock. Instructions in the box show ease of assembly and installation.
- **Installation:** Time required 30 to 60 minutes. Installation is simple, only 4 easy steps using three mounting strips. Mounting strips and hardware is included.

Explanation of Mantel Dimensions

Mantel Specifications	
A	Inside Width
B	Inside Height
C	Return Depth
D	Shelf Length
E	Shelf Depth
F	Leg Width
G	Leg & Shelf
H	Body Width
I	Total Height
J	Breast Height
K	Lookout Length
L	Lookout Depth



Shelf Front View



Shelf Side View

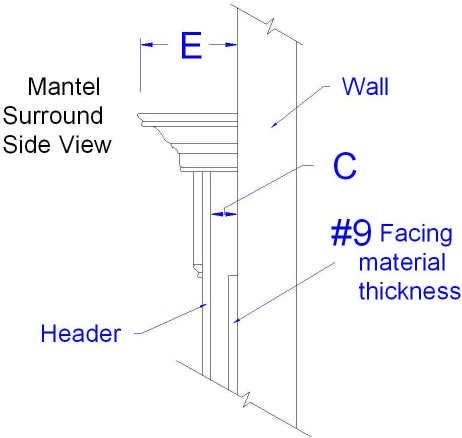
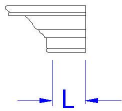
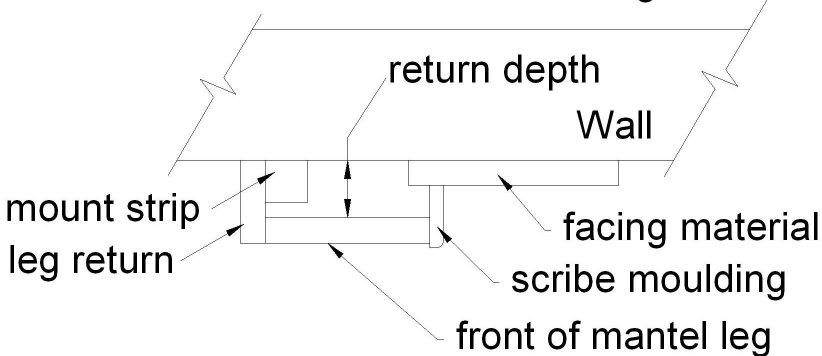


Figure 3 Top Cut-away view of Mantel Leg



How to find you're A-B-C Dimensions

There are many different ways to install a fireplace in a home today. Some fireplaces are wood burning, but most today are gas fireboxes. Hopefully we can help make your mantel selection and installation easy for your application. There are three basics to be considered in this process; the firebox, the facing material and the mantel. The following steps will help you determine exactly what you need for your specific application. If you are dealing with an existing fireplace or new construction, the following will help you through the process.

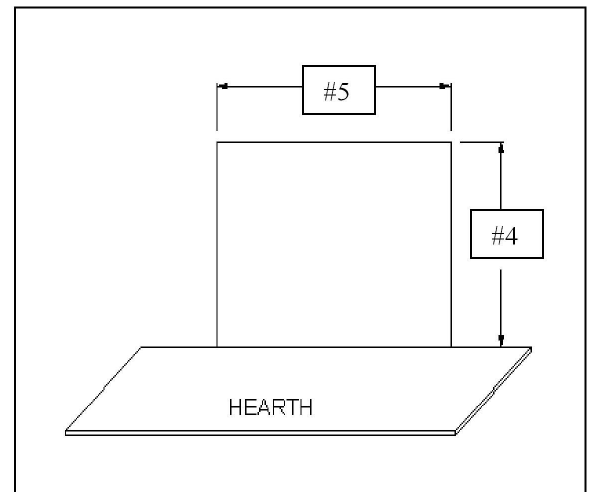
Step 1 – The Firebox

Measure the Firebox dimensions

Fireboxes have different appearances with different features, some have screens in the opening, some have glass doors, but all fireplaces have one thing in common, they all have openings. Measure the width and height of the firebox opening and write in the dimensions.

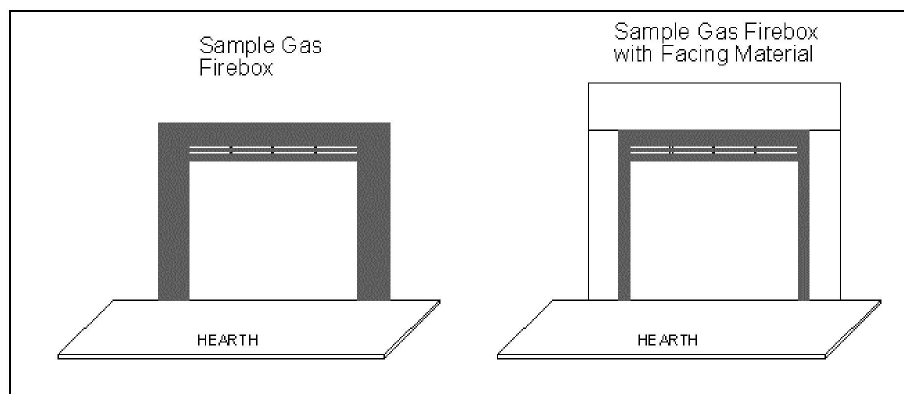
#5 Firebox opening WIDTH _____

#4 Firebox opening HEIGHT _____



Step 2 – The Facing Material

Building codes require a space between the fireplace opening and the combustible material. That space around the fireplace opening is covered with a non combustible material that can be tile, marble, granite, brick, etc.. This non combustible material is what we will call Facing Material. The Facing Material will be attached to the wall and will usually overlap the firebox either fully or partially. Some fireboxes have blower vents in the front that the Facing Material will not overlap.



Building codes require different amounts of space between the firebox opening and the nearest combustible material. CHECK WITH YOUR LOCAL CODES COMPLIANCE OFFICE FOR YOUR AREA TO SEE WHAT YOU NEED. ALSO, THE FIREPLACE MANUFACTURER SPECIFIES WHAT THE FIRECODE IS FOR EACH BOX THEY MANUFACTURE. Wood burning, Gas burning, and Electric fireboxes could have different requirements.

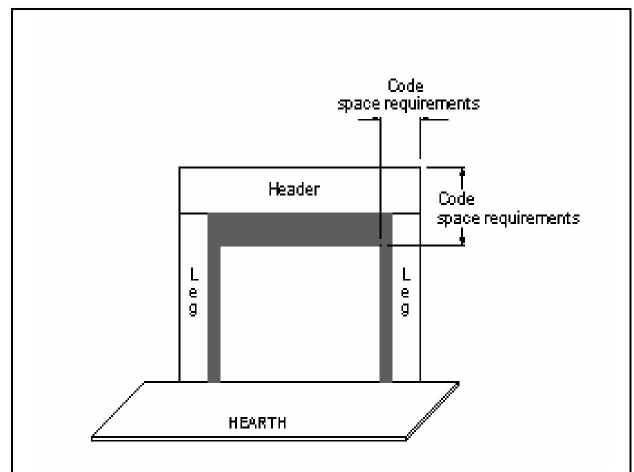
As a general rule you will need 6" to 8" of NON COMBUSTABLE MATERIAL on the sides of the firebox and 12" of NON COMBUSTABLE MATERIAL on the top of the firebox. This space is from the firebox opening to the nearest combustible material. The Facing Material will need to be at least 1/2 " larger than the minimum code spacing requirement on each side and the top so that the Mantel can overlap the Facing Material. This overlap provides a neat finish between the Facing Material and the Mantel.

Once you know what the code requires and where the facing will overlap the firebox, you can determine the size of the Facing Material.

How to figure the Facing Material sizes:

To determine the Facing Leg width:

Fireboxes are made so that the Facing Material can be placed flush with the fireplace opening. Firecode will require at least 6" to 8" of non combustible facing material on each side of the firebox. The length of the Facing Leg is determined by where the Header will be positioned on the top of the firebox. (Note: The Facing Header CAN NOT cover the louvers on the firebox.)



To determine the Facing Header width:

If code requires 12" of space above the firebox and you have 6" of louvers on the top of the firebox exposed, subtract the 6" of exposed Firebox from the 12" code requirement and add 1/2 " for the Mantel overlap. You will need a **6-1/2"** wide Facing Material Header.

The length of the Facing Material Header is determined by where the Legs are positioned. The Header is the same length as the measurement from outside to outside of the Facing Legs.

THESE SIZES REPRESENT THE MINIMUM SIZE OF FACING MATERIAL NEEDED. THE FACING MATERIAL COULD BE LARGER AND BE OVERLAPPED BY THE MANTEL.

Step 3 – How to size the Mantel

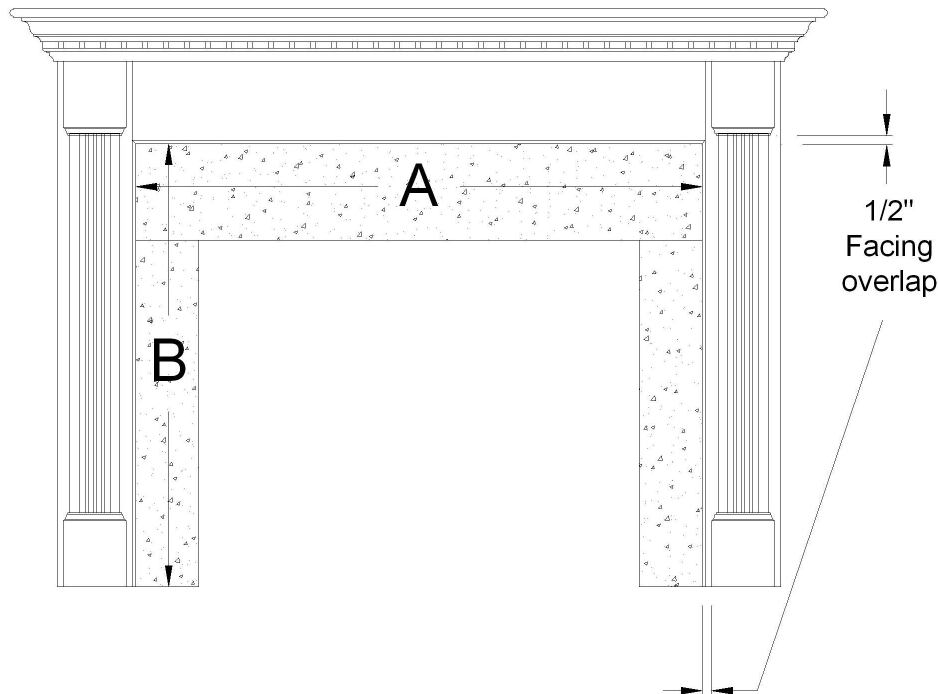
Once you have the Facing Material dimensions you can determine the minimum Mantel dimensions.

Mantel opening width “A” = Facing Material Header length - 1” (1/2” overlap each side)

Mantel opening height “B” = Facing Material Leg length + Facing Material Header width – 1/2” (1/2” overlap on top)

Mantel return depth “C”= 1-1/2” (Facing Material thickness of 3/4” or less)
“C”= 4-1/2” (Facing Material thickness of 3-1/2” or less)

Once you determine you're A-B-C dimensions you can determine the other specifications for your Mantel.



Important!

Make sure the shelf length for the Mantel size you need will fit your wall space. Make sure the body width for the Mantel size you need will fit on your Hearth if you are using a Hearth.

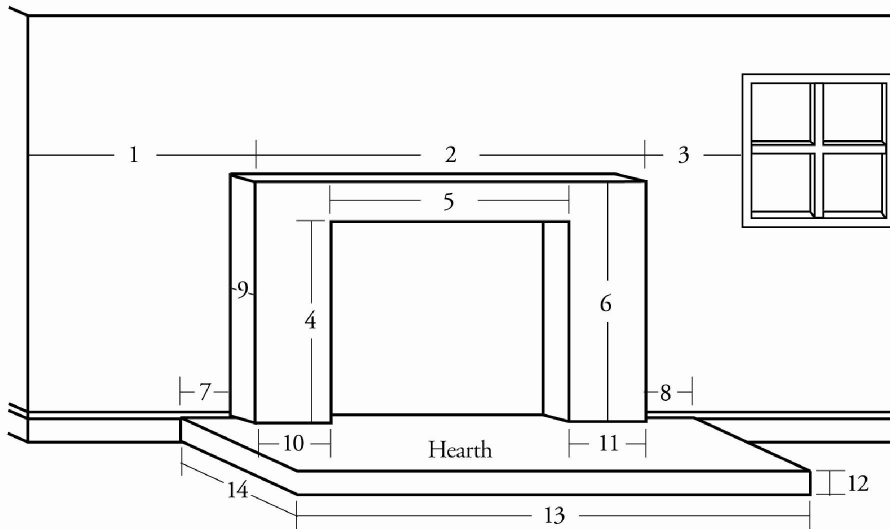
Sizing a Mantel is as Easy as 1-2-3 !

MantelCraft Phone: 800-820-7177 Fax: (256) 767-2916

1. Choose a mantel design: _____.

2. Choose a wood type: _____.

- | | |
|--------------------|----------|
| Paint grade | Cherry |
| Stain grade Poplar | Mahogany |
| Oak | Walnut |



1. _____
Side clearance

2. _____
Facing material width

3. _____
Side clearance

4. _____
Firebox opening height

5. _____
Firebox opening width

6. _____
Facing material height

7. _____
Left hearth side clearance

8. _____
Right hearth side clearance

9. _____
Facing thickness

10. _____
Left facing width: tile, brick, etc.

11. _____
Right facing width: tile, brick, etc.

12. _____
Hearth height

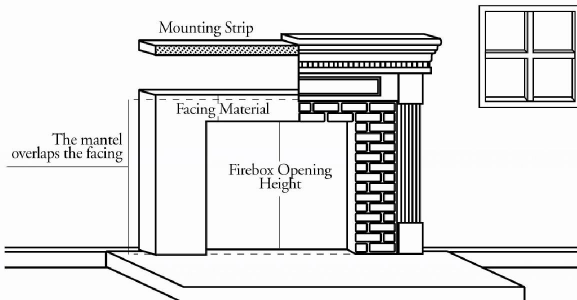
13. _____
Hearth length

14. _____
Hearth depth

3. Take the measurements and fill in the blanks.

To make sure your mantel will fit your fireplace and wall setup, fill in all the measurements that pertain to your application. You may have to modify this drawing for a special need. The more detailed your information, the better we can build your mantel to fit your home. **Note:** Numbers 4 and 5 are your firebox opening dimensions. Numbers 2 and 6 are your facing material dimensions, *not* the mantel dimensions.

Diagram showing how a mantel fits around a fireplace.



Store Name: _____

Contact Person: _____

Phone Number: _____

Fax Number: _____

Customer Name: _____

Order Procedure

Mantel Sizing Information

Before you order a mantel, you should be familiar with the sizing information to ensure the mantel you order will fit. All mantels should be accompanied by a completed measuring guide.

Special Order Program

Prices are for any size opening width and height (up to 96" long shelf) and return depth up to 5-1/2"
Available to be shipped in 2 to 3 weeks after the order is placed with Mantelcraft.
Allow 3-6 working days for transit
Lead times may vary at different times of the year.

Custom Special Order

Cabinet depth mantels, width up to a 24" return are available.
Any of the wood styles in the brochure can be made into a cabinet depth mantel.
Lead times are the same as above

The Order Process

Information needed to place an order
Store Name and Phone# and Fax#
Name of Person Ordering

Information needed for each item (a measuring guide should be filled out for each order)
Style of Mantel
Wood Type
Quantity
Size Information

Fax Measuring Guide to 256-767-2916. A dimensioned line drawing will be made for Mantel requested and faxed back for the customer's approval. After approval, order will be entered in MantelCraft's system and an acknowledgement will be sent to the customer.

Every Mantel is CUSTOM MADE. Filling out the measuring guide assures that the Mantel will fit your customers application.

Mantel Specification Chart

Note: Mantel should overlap facing material at least 1/2".




































Specifications subject to change without notice	Your Inside Width	Your Inside Height	Your Return Depth (Up to 5-1/2")	Shelf Length (Max. 96")	Shelf Depth	Leg Width	Leg & Shelf Width	Body Width	Total Mantel Height	Breast Height
Name	A	B	C	D	E	F	G	H	I	J
Premium Series										
Charleston			1-1/2	=A+G+G	10-3/4	10-1/2	14-1/8	=A+F+F	=B+J	16-1/2
Victorian			1-1/2	=A+G+G	9	10	15-1/2	=A+F+F	=B+J	16-1/2
Princeton			1-1/2	=A+G+G	10-1/2	10-1/2	17	=A+F+F	=B+J	16-1/2
Georgian			1-1/2	=A+G+G	12	10-1/2	13-5/8	=A+F+F	=B+J	13
Colonial			1-1/2	=A+G+G	9	10	15-1/2	=A+F+F	=B+J	16-1/2
American Series										
Concord			1-1/2	=A+G+G	7	8-1/4	12-1/4	=A+F+F	=B+J	14
Harrisburg			1-1/2	=A+G+G	9-3/4	9	14	=A+F+F	=B+J	13
Hillsboro			1-1/2	=A+G+G	8-1/2	5-3/4	10-3/4	=A+F+F	=B+J	13
Fredricksburg			1-1/2	=A+G+G	7-3/4	5-3/4	10	=A+F+F	=B+J	13
Mt. Vernon			1-1/2	=A+G+G	9	7 1/4	12	=A+F+F	=B+J	13
Leesburg			1-1/2	=A+G+G	9	9	13-1/4	=A+F+F	=B+J	13
Nashborough			1-1/2	=A+G+G	9	6-1/4	12	=A+F+F	=B+J	13
Arched American Series										
Cambridge			1-1/2	=A+G+G	7-1/2	6	9-3/4	=A+F+F	=B+J	14
Lexington			1-1/2	=A+G+G	7-1/2	6	9-3/4	=A+F+F	=B+J	22

Shelf Specification Chart

Name	Shelf Length D	Shelf Width E	Lookout Length K	Lookout Width L	Shelf Height J
Highland Shelf	72	8-1/2	62	3-1/2	4-1/2
Dartmouth Shelf	72	8-1/2	64-1/2	4-3/4	4-1/2
Hudson Shelf	72	8-1/2	70-1/2	4-3/4	7
Boxwood Shelf	72	8-1/2	60	8-1/2	3-1/2
Corinth Shelf	72	6-1/4	65	2-3/4	3-1/2
Courtland Shelf	72	8-1/2	61-3/4	3-1/2	9-1/4
Catalina Shelf	72	6	65	3-1/2	3-1/4
Sierra Shelf	72	6	66	3	3
Manor House Shelf	72	8-1/2	61-3/4	3-1/2	9-1/4
Lynchburg Shelf	72	8-1/2	64	4-1/2	4-3/4
Strausburg Shelf	72	8-1/2	64	4-1/2	4-3/4
Vicksburg Shelf	72	8-1/2	62-1/2	3-3/4	5

Optional Factory Finish Color Matrix

Fine Finishes By *Mantel Craft*

	Natural	Golden Oak	Country Pine	Cinnamon	American Walnut	Traditional Cherry	Traditional Mahogany
Oak							
Maple							
Cherry							
Mahogany							
Walnut							
				White			
				Paint Grade			

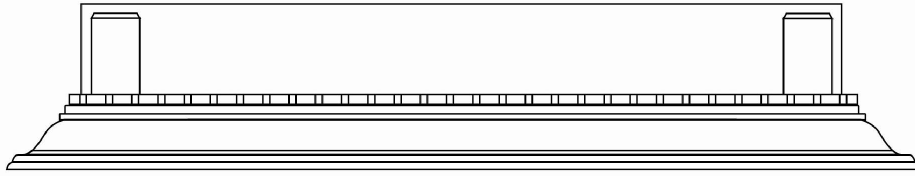
MantelCraft Mantels are so Easy to Install!

E-Z FIT MANTEL INSTALLATION INSTRUCTIONS

Page 1

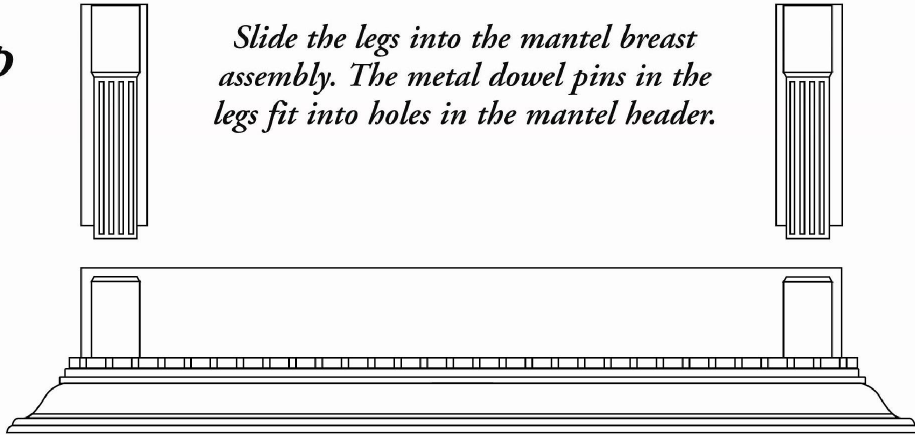
Step #1

Make sure your floor is clean, then turn the mantel breast assembly upside down on the floor as shown below.



Step #2

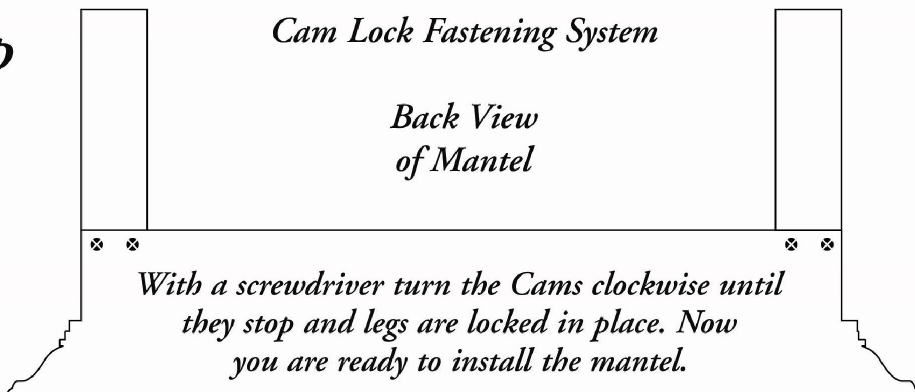
Slide the legs into the mantel breast assembly. The metal dowel pins in the legs fit into holes in the mantel header.



Step #3

Cam Lock Fastening System

*Back View
of Mantel*

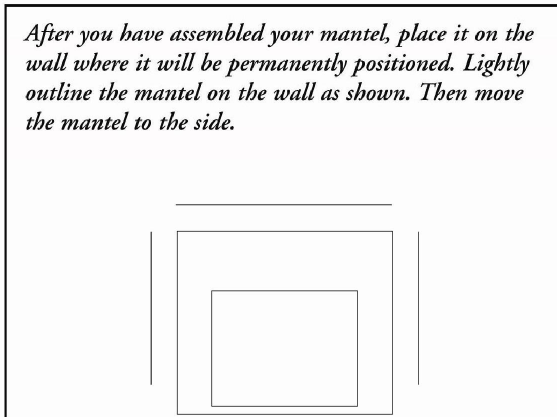


With a screwdriver turn the Cams clockwise until they stop and legs are locked in place. Now you are ready to install the mantel.

E-Z FIT MANTEL INSTALLATION INSTRUCTIONS

Page 2

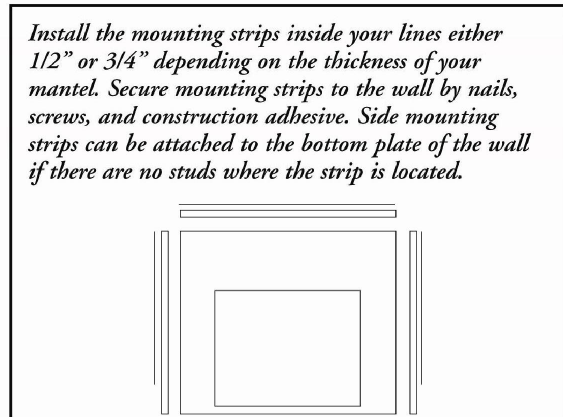
After you have assembled your mantel, place it on the wall where it will be permanently positioned. Lightly outline the mantel on the wall as shown. Then move the mantel to the side.



Step #4

OUTLINE THE MANTEL

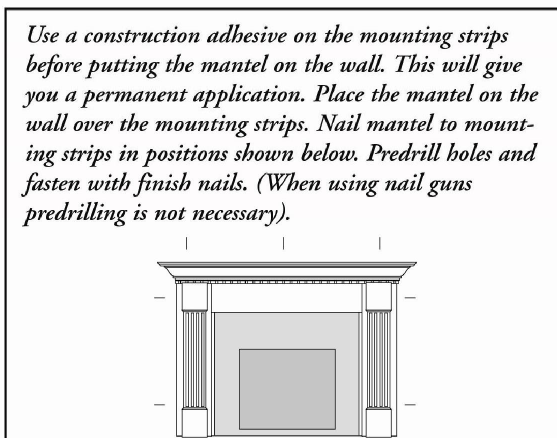
Install the mounting strips inside your lines either 1/2" or 3/4" depending on the thickness of your mantel. Secure mounting strips to the wall by nails, screws, and construction adhesive. Side mounting strips can be attached to the bottom plate of the wall if there are no studs where the strip is located.



Step #5

INSTALL MOUNTING STRIPS 1/2" OR 3/4"
INSIDE OF LINES

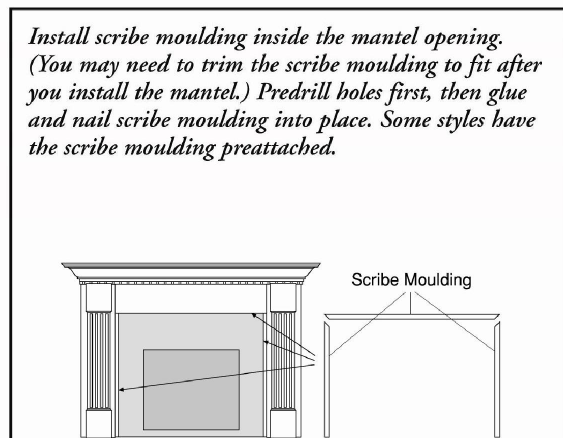
Use a construction adhesive on the mounting strips before putting the mantel on the wall. This will give you a permanent application. Place the mantel on the wall over the mounting strips. Nail mantel to mounting strips in positions shown below. Pre-drill holes and fasten with finish nails. (When using nail guns pre-drilling is not necessary).



Step #6

INSTALL MANTEL OVER MOUNTING STRIPS

Install scribe moulding inside the mantel opening. (You may need to trim the scribe moulding to fit after you install the mantel.) Pre-drill holes first, then glue and nail scribe moulding into place. Some styles have the scribe moulding preattached.

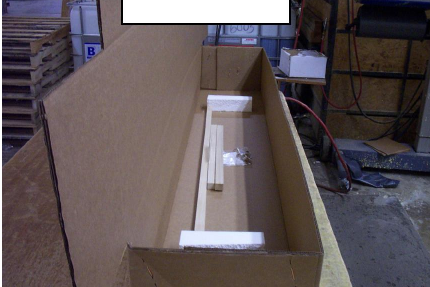


Step #7

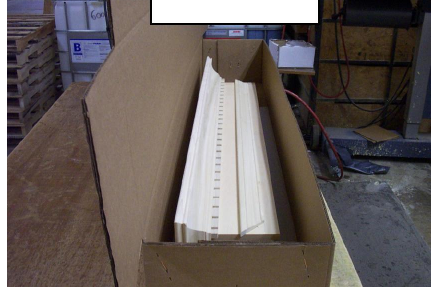
INSTALL SCRIBE MOULDING
(FOR ADJUSTABLE MANTELS THE SCRIBE
MOULDING MAY HAVE TO BE CUT TO FIT.)

Boxing Procedure, Place mounting strip and hardware in box, Place header and wrapped legs in box, Add foam in place bags to secure product, run a bead of glue around box and close box with staples.

STEP 1



STEP 2



STEP 3



STEP 4



STEP 5



STEP 6



STEP 7

