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Designed by Steve Good



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Note to commercial print employees: I give my permission to print as many of this pattern book as your customer requires.

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General Pattern Information

You may use this pattern to make as many of the project as you like. You are free to use any technique including mass production to build the project. The pattern may be copied and given to others provided the entire book is kept intact. You may not sell the pattern or include it in another commercial package of any type.

Steve Good retains the right to the pattern. If you have any questions about the use of this pattern please contact me at steve@stevedgood.com

When printing this pattern it is important to print it full size. When you bring up the print dialog box look in the “Page Sizing & Handling” section. Make sure the “Actual Size” is selected before you hit print.

You also only need to print the page/s you need. After the print dialog opens look for the “Pages to Print” section. You can print the current page or a range of pages. This will help save ink by not printing the title/instruction pages.

Printing Instructions



Relief cut My Valentine Word Art





For this project we will cut away the white part of the pattern.
The external lines will be cut at an angle for a relief cut.

Drill interior entry holes in the white areas.
Drill on small entry hole on the black outline.





All the white areas were cut away with the saw set to 90 degrees. We will not set the tilt for the relief cut.

I just pick a general value and then test on scrap.
I started on 6 degrees tilt left.





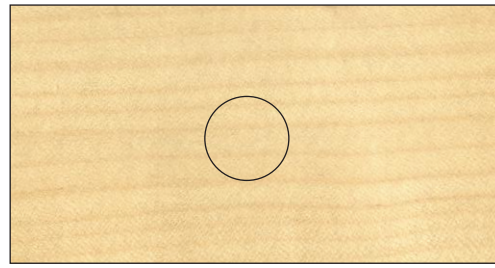
I make test cuts, adjusting the tilt until I get the relief I want. In this case I ended up at 3 degrees.

This setting will be different depending on the thickness of the wood and the size of the scroll saw blade.

My wood was 3/4" thick and I use using a #3 blade.

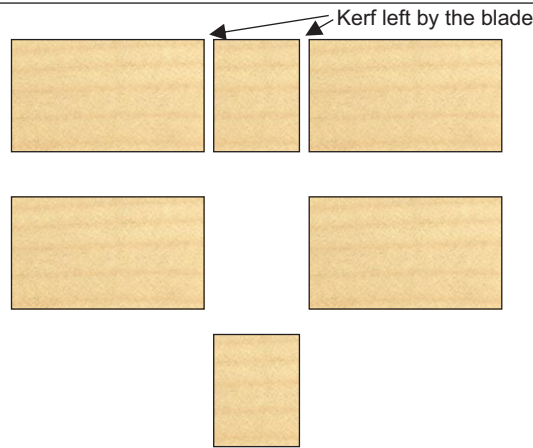
Top View of board with a circular plug cut.

A



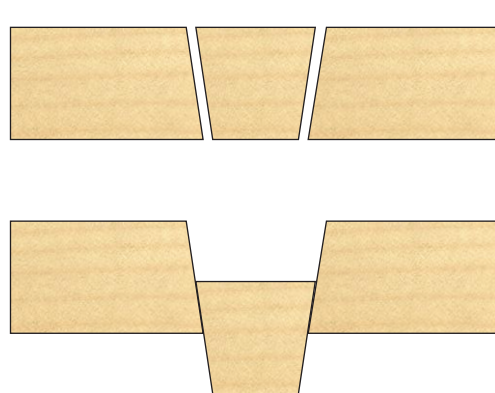
Side view straight cut

B



Side view relief cut

C



A shows the top of the board with a circle cut by the scroll saw. When you cut the board a small amount of wood is removed. This is called the kerf. If the table of your saw is set to 90 degrees to the blade the plug will fall out the bottom as in B. In figure C the table of the saw was tilted for the cut. Notice how the plug can only drop so far. This is called a relief cut. You adjust how much relief you get by adjusting the tilt of the table. Less tilt causes the plug to drop further. More tilt and the plug drops less.



Whether the cutout raises out of or sinks into the block of wood depends on the direction of tilt and if you cut counterclockwise or clockwise.

In this case I wanted the words to sink into the wood board so I set the table tilt left and cut counterclockwise.



3/4" Thick

