

# T-SHIRT JIG



## PARTS LIST AND TOOLS REQUIRED

### ●TOOLS:

Table Saw  
Drill + 1/8", 5/8, 1.375" Bits  
Driver for Screws  
Brush for Contact Cement

### ●PARTS from 5/8 G1S Plywood:

(1) Top - 15"x18" w/ V cutaway  
(1) Bottom - 15"x18"  
(2) Backs - 15"x4.625"  
(1) Strut - 12"x3.5"  
(1) Counterbalance Support - 3"x15"  
(1) Hinge Support - 1.5"x15"  
(1) Hinge Base - 6"x18"

### ●2x4 SCREW BLOCKS (3.5"x1.5")

(2) Screw Blocks - 7.1875"  
(1) Screw Block (Hinge Base) - 15"

### ●Other PARTS

(1) Formica - 16"x19"  
(2) Copper Pipe - 20"x1/2"  
(1) Copper Pipe - 13"x1/2"  
(2) Copper elbows - 1/2" 90°

### ●HARDWARE

(2) Metal L Brackets  
(1) Box Screws - 5/8"x#8  
(1) Box Screws - 1"x#8  
(1) Box Screws - 2.5"x#8

## STEPS FOR ASSEMBLY

### STEP 1.

Assemble all the required tools and materials and precut the parts from the list. You will need to glue the formica laminate to the top platten with the contact cement, following the instructions. Once this is done, use a router or file to smooth the edges to a nice finish.



### STEP 2.

Cut a diagonal section off the strut, leaving a 5" base edge at the back. Fit the strut, the two spacer blocks, and the back together. Glue and screw the spacer blocks to the back. Do not attach the strut at this time. Put this assembly aside to dry.



### STEP 3.

Assemble all the components of the hinge assembly to make sure the parts fit. Glue and screw the 2x4 screw block to the back first. Drive the screws through the plywood into the 2x4, not the other way around! Once this is done, attach the baseplate to the screwblock, and the plywood spacer to the top. Make sure your screws are not where the hinges will mount. Use lots of glue.



#### STEP 4.

Glue and screw the counterbalance support to the base and tight against the screw block. Use lots of glue on this entire assembly of the hinge base. Once assembled, put aside to dry.



#### STEP 5.

Flip the top platten over. Place the back support in position and insert the strut with the long side down. Using the small screws, first attach the L brackets to the strut, then attach them to the underside of the top. Glue the end of the strut where it inserts into the back, and the exposed edges of the screw blocks. Mount the bottom and screw into the block. Flip it all over and glue and screw the top in place. These screws should be countersunk below the laminate surface.



#### STEP 6.

Drill two 5/8" holes through the counterbalance support and into the base. Fit the copper pipe and cut the cross piece to fit. Mount the hinges with the screws centered over the screwblock. It's OK if the hinges overhang.



#### STEP 7.

You will need a length of thin rope with a counterweight can at one end, and a small C-clamp at the other to attach to your screen frame. The base for either the hinge or the platten can be clamped in place, and then the other component can be moved until the image is in register on the shirt. Once in place, clamp down, and you are ready to print! Note: extra hinge bases and careful placement of images will let you print up to three colours with this setup.



# T-SHIRT JIG PLANS

