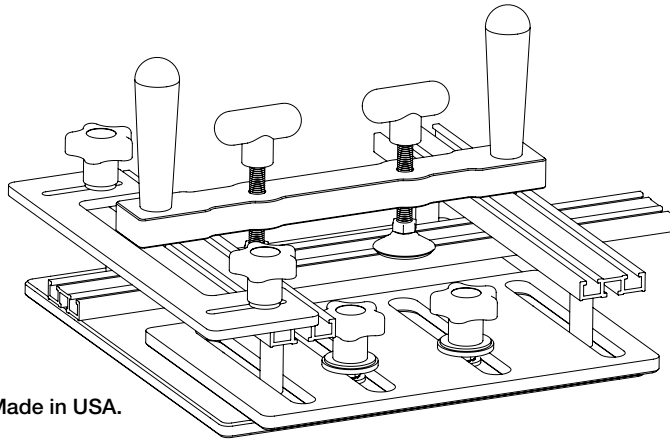


Woodpeckers

COPING SLED

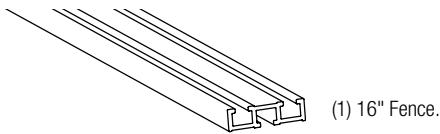
Assembly



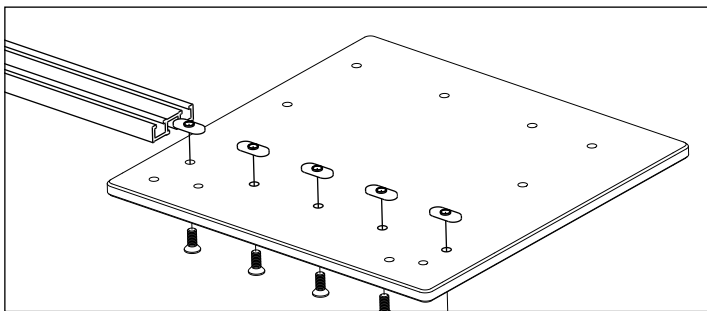
Made in USA.

STEP 1. Installing the Fence.

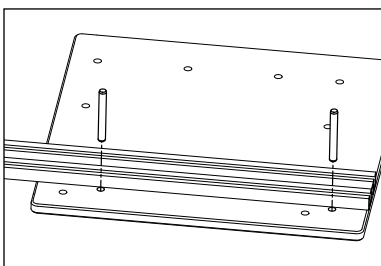
- (5) 5/8" Flat head screws.
- (5) Oval nuts.
- (2) Registration pins.



(1) 16" Fence.



Insert the screws up through the bottom of the base and loosely start the oval nuts. Slide on the fence with the single track side facing down.

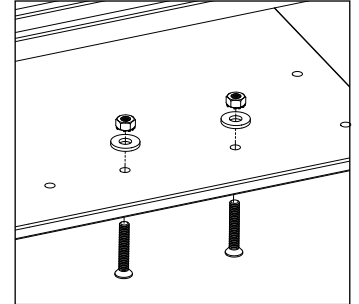


Insert the two registration pins behind the fence. Align the fence flush with the right edge of the base and pull it back against the pins. Firmly tighten the five screws and **Remove the pins.**

Assembly and Use Instructions.

STEP 2. Installing the Top Plate Screws.

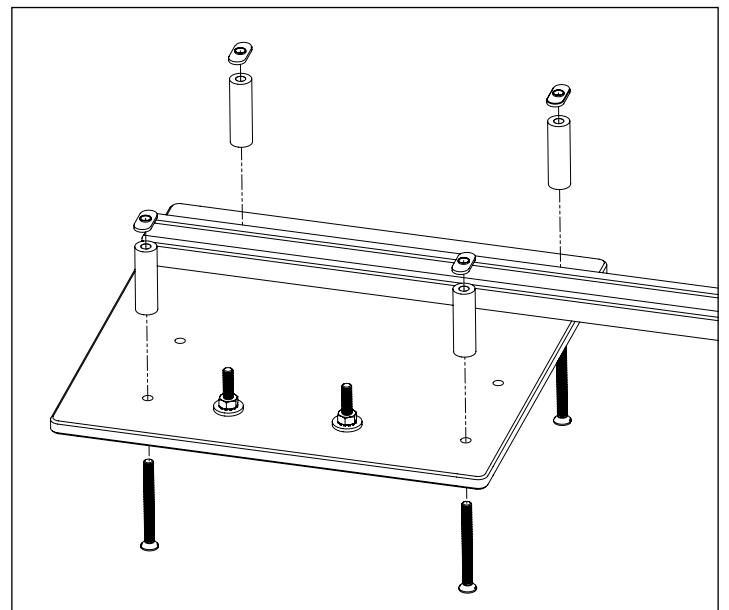
- (2) 1 1/2" Flat head screws.
- (2) Thick, gold, washers.
- (2) Nuts with star washer.



Insert two screws up through the bottom of the base. Slip on one of the thick washers and thread on a nut. The star washer side of the nut needs to face the thick gold washer. Firmly tighten each screw.

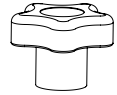
STEP 3. Installing the Spacer Tubes.

- (4) 2 1/2" Flat head screws.
- (5) Oval nuts.
- (4) Spacers tubes.



Loosely assemble each 2 1/2" screw, spacer tube and oval nut into each of the four holes as shown. The screws are inserted from the bottom. Do not tighten. Leave an approximate 1/8" gap between the top of the tube and the bottom of the oval nut.

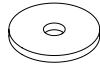
STEP 4. Installing the Top Plate.



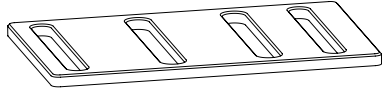
(2) Star knobs.



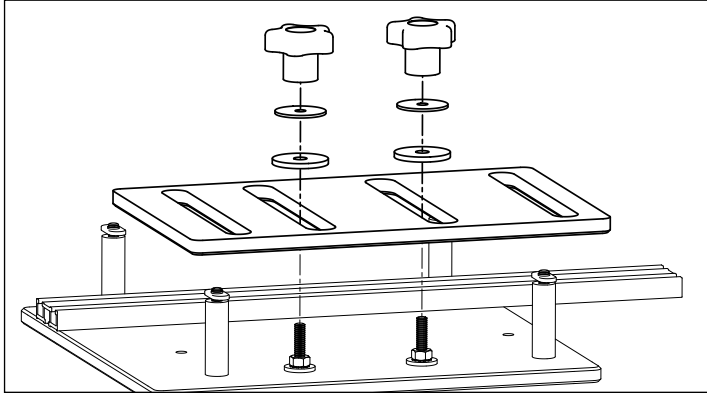
(2) Large steel washers.



(2) Large nylon washers.



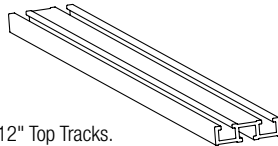
(1) Top Plate.



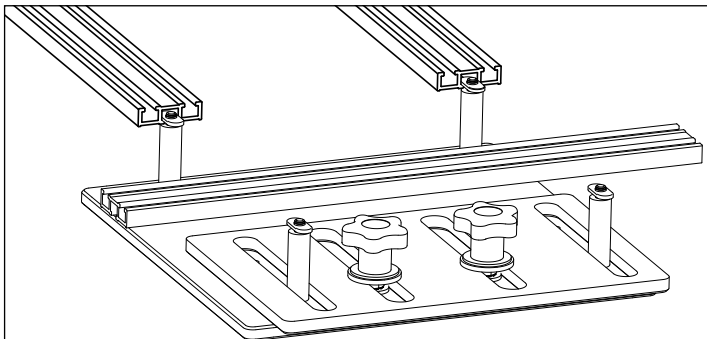
Position the top plate so the two spacer tubes and two screws stick up through the slots. Notice that the top plate can only be installed one way. Rotate it 180° if it won't drop on.

Once the top plate is in place, slip one large nylon washer and then one large steel washer over each screw. Finally, install a star knob on each screw.

STEP 5. Installing the Top Track.

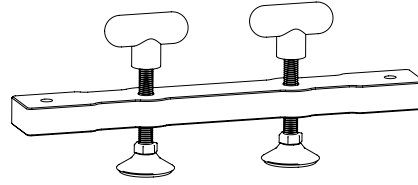


(2) 12" Top Tracks.

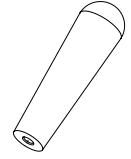


Each piece of top track gets attached with two screws. With the single T-slot facing down, line up the oval nuts extending up from the spacer tubes to slip into the T-slot. Slide the track forward until both oval nuts are captured in the slot and the back end is flush with the back edge of the base. Tighten both screws from underneath and repeat the same procedure for the second track.

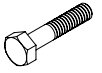
STEP 6. Installing the Clamp Beam.



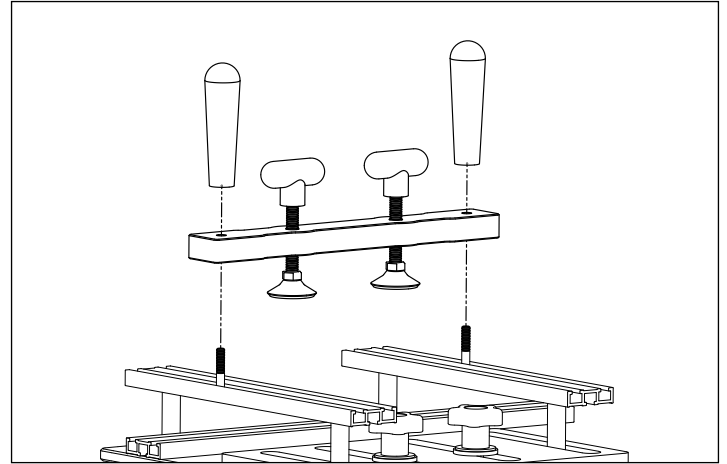
(1) Clamp beam assy.



(2) Handle knobs.



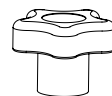
(2) 1/4" Hex bolts.



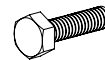
First install one 1/4" hex bolt into the outside slot of each top track. Then set the clamp beam in place so the bolts stick up through the two holes.

Tighten the clamp beam in place with the two handle knobs. Generally the clamp beam will be positioned over the center of the work piece. For now, position it approximately 2" in front of the fence.

STEP 7. Installing the Guide.



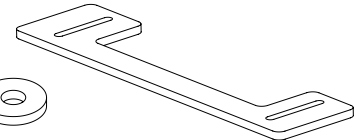
(2) Star knobs.



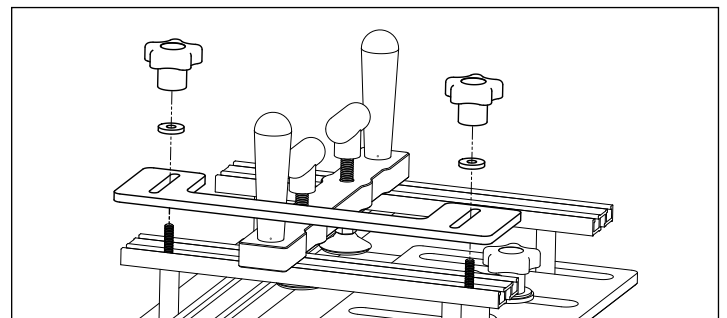
(2) 1" Hex bolts.



(2) Nylon washers.

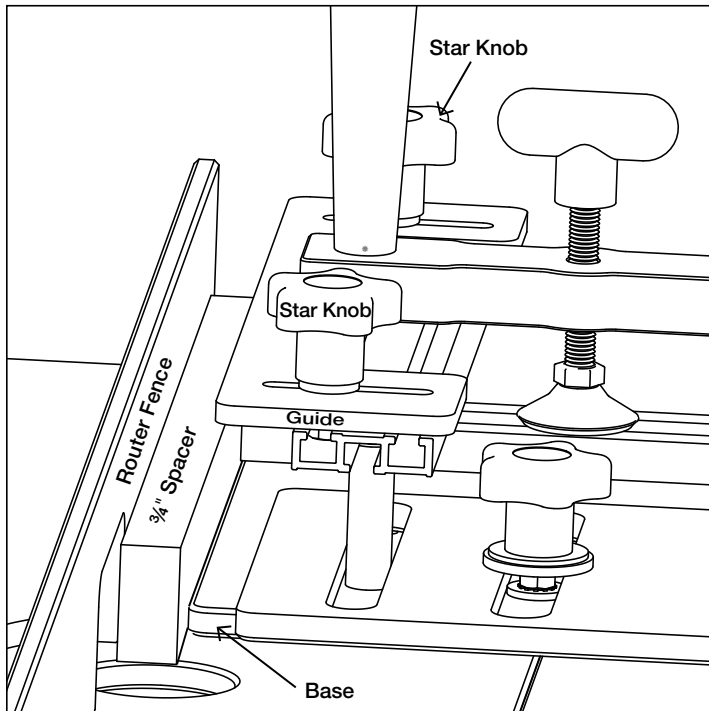


(1) Guide.



Slip one 1" hex bolt into each end of the top track as shown. The bolts need to be in the outside most T-slot. Set the guide in place so that these two bolts protrude up through the slots. Place one nylon washer onto each hex bolt and loosely install the two star knobs. Position the guide so that the front and rear edge are approximately aligned with the ends of the top track and then tighten the knobs.

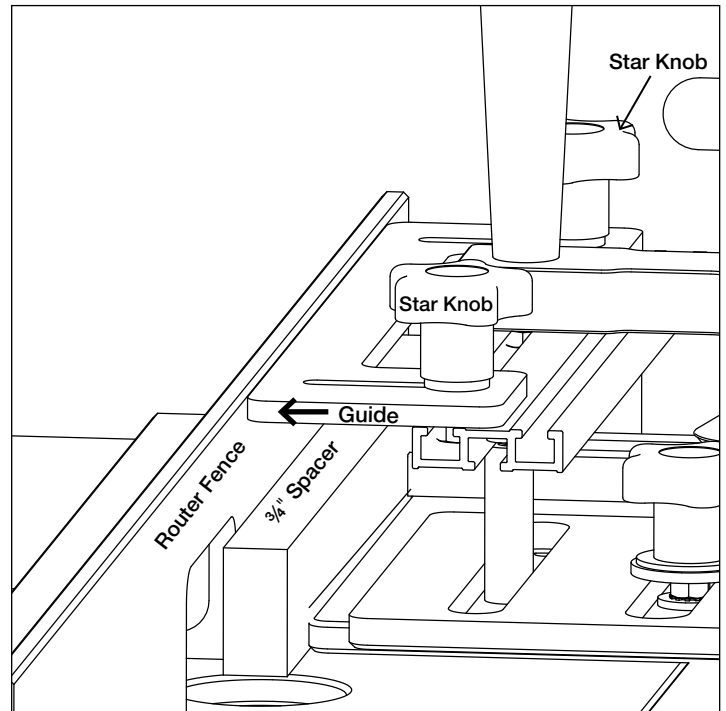
Using the Coping Sled



Adjusting the Guide.

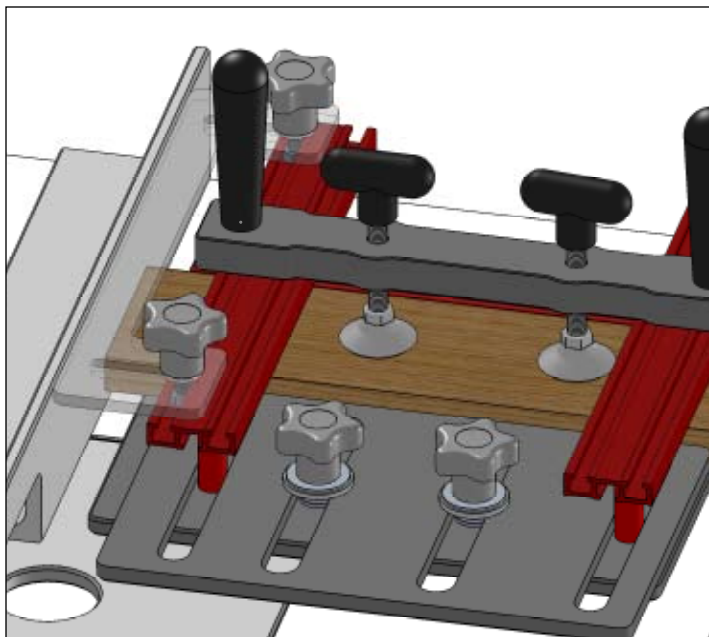
Setting the guide only takes a minute, but is vital for proper operation. First loosen the two star knobs which secure the guide to the top track.

Next insert a 3/4" scrap wood spacer between the base and the router fence. The spacer may need to be thicker if the router bit would otherwise contact the base.



While holding the sled up against the spacer and the fence, position the guide up against the fence as well and tighten the two star knobs.

The guide should be the only part of the coping sled that runs against the fence during use. It needs to be adjusted to keep the base from contacting the router bit. At no time should the base come in contact with the fence or the router bit. For larger cutters, it may be necessary to use a wider spacer.



Installing Your Work Piece.

The coping sled is designed to provide the support and control necessary to rout across the end grain of a board. This is a necessary procedure for making raised panel doors as well as tenon cuts. In most cases, the board will be less than 5" wide. With this small amount of surface area, it would be nearly impossible to guide the end along the router fence to safely make a profile cut without a sled.

The majority of force exerted on the board is torque. In other words as the router bit is spinning in one direction, it is trying to spin your board the opposite direction. Controlling this torque is the function of the fence and top plate.

Using the top plate is simple, insert your board between the sled fence and the top plate. Slide the top plate back against the board and tighten the two knobs.

Now hold the guide against the router fence and slide the board in until it bottoms out against it. And finally, position the clamp beam over the center of the board and tighten both hold down clamps.

These should only be moderately tight. Excessive force is not needed and could lead to warping of the base plate.