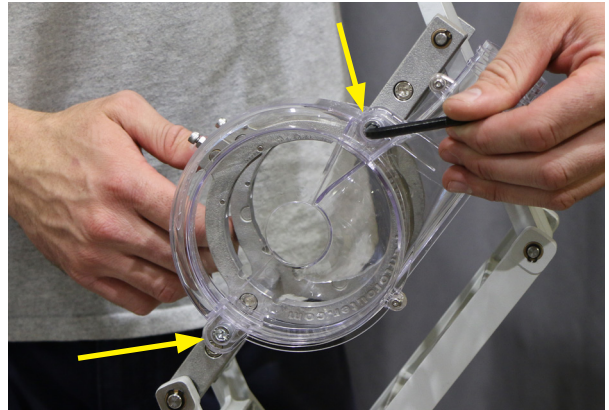# PantoRouter®

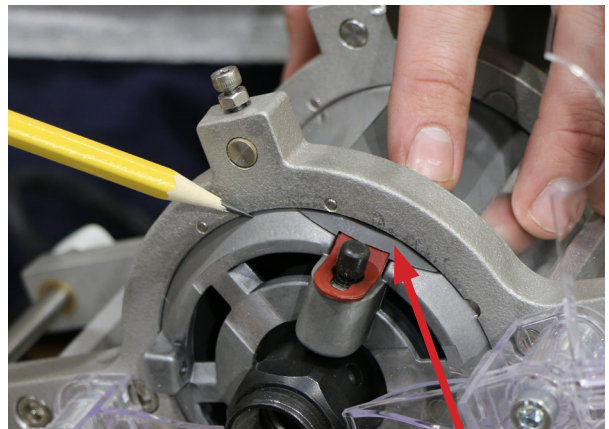## PANTOROUTER™ DUST COLLECTION HOOD INSTALLATION INSTRUCTIONS FOR THE PORTER CABLE 890 ROUTER

1. If the router is already installed, loosen the router mounts and move it back slightly.

   Inert the two M6 screws through the dust hood mounting holes and thread them into the router mount. Leave them loose for now.
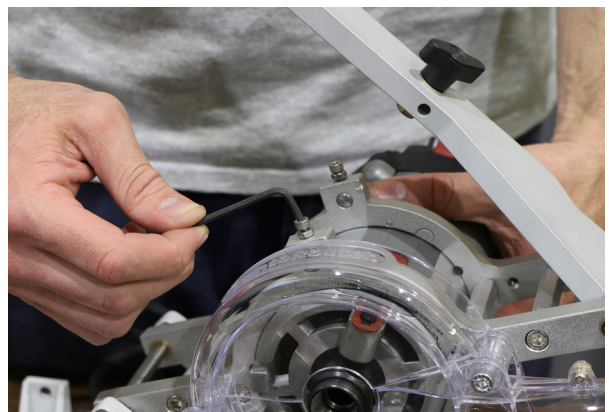

2. Insert and rotate the router so the outer edge of the bevel on the end of the router aligns with the edge of the router mount.

   The router mount locking point must be over metal on the barrel of the router, not the gray plastic insert.

Not over plastic

3. Tighten both router lock screws and locking nuts.

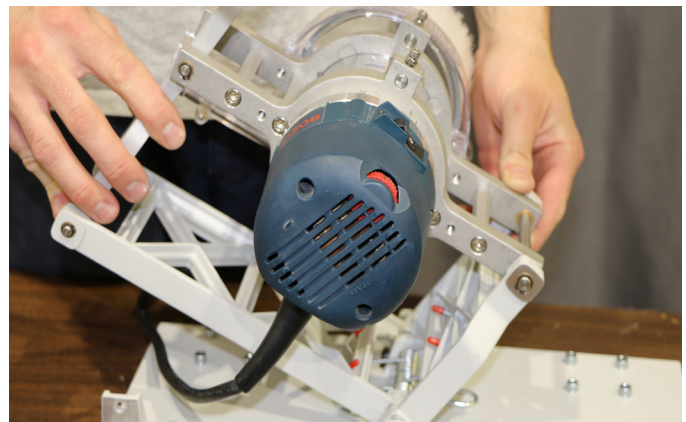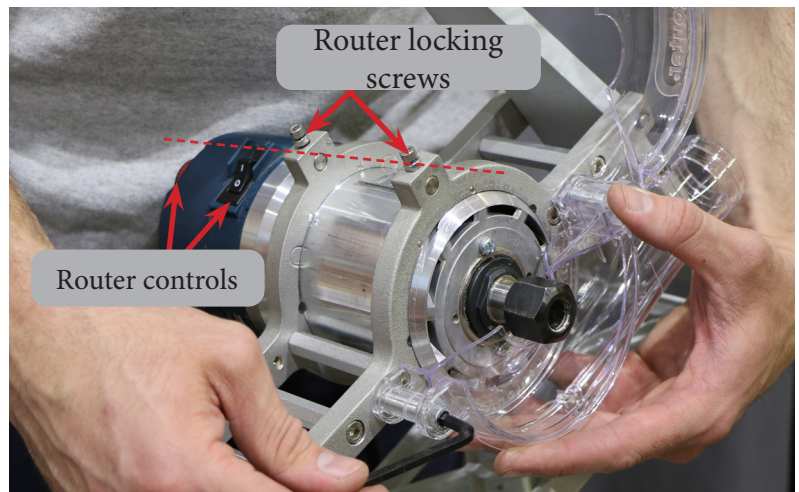# Bosch 1617EVS Router (other brands will mount differently)

With the router unplugged, insert the Bosch router into the mounts as far as it will go, then rotate so the power switch and variable speed control dial are in-line with the router motor locking screws. The cord should be positioned as in the lower photo. Don't tighten the router mount lock screws yet.

Note: The template holder support frame has been removed from these photos for visual clarity, please complete all prior assembly steps before installing the router.

Two screws and two nylon washers are packed along with the dust collection hood and brush. Insert the two screws with their nylon washers through the dust hood and loosely thread them into the tapped holes in the pantograph. Align the dust hood so the collet spins freely and does not contact the hood. Tighten the two dust hood mounting screws.

Tightening these screws will push the router back in the mount. Nudge the router back in the router mount so it clears the dust collection hood by about 1/32" (0.8 mm), then tighten the router mount lock screws. Use the provided wrench (K-15) to tighten the lock nuts.

The last step is to snap on the dust collection hood brush, and you're ready to PantoRout!

Router locking screws

Router controls

Tip: The brush attaches to the dust hood by snapping into place with spring tension. The fit can be made tighter by overlapping the two ends and squeezing it into a slightly smaller circle.

1/32"
GAP

We recommend using a hose that fits over the discharge port, not inside it. We supply an excellent hose with some of our packages and it sometimes helps to soften the hose end cuff by holding it under hot tap water. Once warmed-up it should slip onto the dust collection hood and as it cools it will grip tenaciously.
We prefer to use a dust extractor or Shop-Vac with a cyclone chip separator rather than hooking up to large dust collection ducting. We have found the higher air velocity collects more chips and fine dust particles keeping your shop cleaner and your lungs healthier.
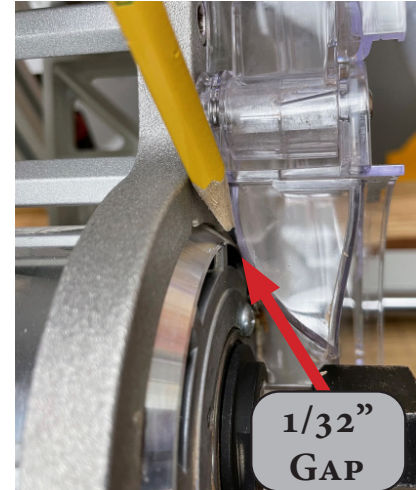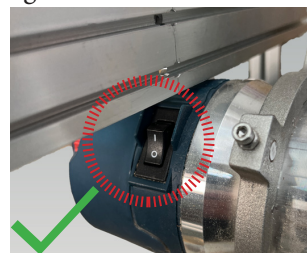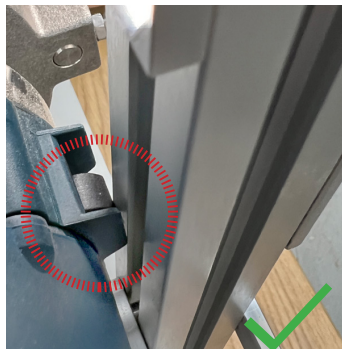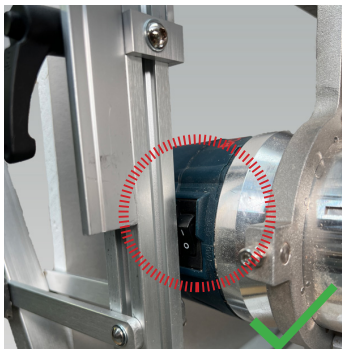
ROUTER POSITION IS CRITICAL FOR SAFE OPERATION

Due to the location of the power switch on the Bosch 1617 EVS router body, it is important that all installation instructions are followed to prevent accidentally applying power to the router.

1/32" GAP

When installing the router in the Router Mounts make sure the router controls are in line with the Router Locking Screws before tightening. A small ruler resting on top of the two Router Locking Screws can help with proper alignment. The router should be pushed forward in the Router Mounts so the bevel of the router motor clears the front router mount and is held back from the dust hood about 1/32" (0.8mm).

SAFETY CHECK

Slowly move the Pantograph Arm through its full range of motion paying close attention to the template holder support frame and the bottom of the template holder. The router switch cover will contact the template holder support frame in some locations, however, there should be no position in which the router switch itself can be moved by contacting the machine.

ADDITIONAL SAFETY RECOMMENDATIONS

Always unplug the router during setup processes and while changing router bits.

We added an outlet to our PantoRouter® Cart for easy access.

We highly recommend using an NVR-type* safety switch with the PantoRouter® woodworking machine. It helps to prevent the router from turning on unintentionally and requires reset after power loss.

* no-voltage release

Scan the QR code to buy our recommended switch.