



Router Table, Fence & Lift

The Router Table, Fence & Lift are a specialized group of equipment used to form wood into various shapes. To avoid accidents, the following operational safety rules must be observed by everyone working on the GWG Router Table, Fence & Lift **Failure to be certified or to follow the safety rules will result in loss of shop privileges.**

Router Table, Fence & Lift Safety Rules:

1. Wear proper apparel. Remove loose fitting clothing, jewelry and tie back long hair. Do not wear gloves.
2. Wear hearing and eye protection. MANDATORY
3. Before beginning operations make sure at least 2 wheels of the table are locked & that the area around table is clear of any material, debris or people that would interfere with safe operation.
4. Unplug the router at the wall outlet before you start and anytime you make adjustments to the router, router bits or the fence.
5. Make sure bits are clean, sharp & undamaged. Use the ½ inch shank bits whenever possible.
6. Keep hands away from cutting area.
Remember the **3”** rule.
7. Adjust router speed (RPM) to be appropriate for the diameter of bit being used. (See chart posted on table) Adjustment selector is in bottom of router inside large door.
8. Seek help with heavy, very long or awkward material & anytime you are not sure of how to proceed.
9. Never leave a running tool unattended.
10. Do not force a tool or attachment to do a job for which it was not designed.

Operational Rules:

Sign in on “Operator Log” before using the Router Table, Fence & Lift.

Turn on the dust collector; be sure the gate is open.

Select proper bit (& appropriate size twist lock ring) for the work to be done.

Remove the red cover (counter clockwise) using the “U” shaped tool. Insert the lift wrench into the hole to the

right of the router, with the black handle parallel to the front edge of the plate & pointing to the center of the router. Push down until it “bottoms out” in the router lift. Turn the wrench 90degrees to disengage the locking mechanism & then lift the router to the very top of the table. Remove wrench by turning it back to the original position.

Select the proper collet &, if needed, blow dust or debris from the router shaft.

Being careful not to touch the sharp edges of the bit, insert the shaft fully into the collet & then raise it about ¼ of an inch (do not tighten with bit in contact with the bottom of the shaft). Using the 2 flat wrenches, tighten the collet very snugly, without hitting the carbide of the bit.

Reinsert the lift wrench & lower the router to a position close to the final desired position. Remove wrench & put in the proper twist lock ring. You can now use the THUMB WHEEL to make small adjustments of height.

If using a bit without a bearing or a bearing bit inside the fence, always use the fence with proper insert. Feed material from right to left in a smooth motion. Use push blocks or special holding jigs for small pieces & use feather boards if necessary to control the work piece & keep your hands at least 3” from bit. **Never feed from left to right and never feed material between the fence & the bit.**

When using a bearing bit without the fence, always use the starter pin placed to the right of the bit.

The procedure for adjusting the fence is as follows. Release the large clamp on the left of the arm attaching the fence to the table. Slide the fence forward close to the desired position & reclamp it. For small adjustments, push down the small clamp while releasing the large clamp. You can then turn the micro dial to move the fence forward or back. One revolution of the dial moves the fence 1/32”. Then re-clamp the large clamp. If needed, use a non-ferrous straight edge to tangent the fence to the bearing.

When work completed, turn off & unplug router. Remove twist lock ring, raise router to full height & remove bit (it may be hot). Blow all dust from router, lower it & replace the cover. Replace all tools & bits into proper storage places.

Turn off the dust collector and close the port.

Clean up the work area around the machine.