Pantorouter Clearance

Features

Member must point out the following tool features:

- ☐ Table, miter gauge and angle adjust
- ☐ Template holder (T-slot) and height adjust / locks
- ☐ Guide bearing holder and lock
- ☐ Depth adjust lever and depth stops (2x)
- ☐ Router (and power switch, collet, speed adjust wheel)
- ☐ Accessories cart (templates, guide bearings, bits, locking clamps)
- ☐ Shop vac

Common Hazards

Member must identify these common hazards, and demonstrate they know how to avoid them:

- ☐ Entanglement due to lack of observance of personal safety (long hair, long sleeves, bracelets, rings etc)
- ☐ Finger contact with the cutting bit
- ☐ Flying splinters and other debris
- ☐ Ejection of the router bit and/or workpiece due to improper installation and workholding
- ☐ Sawdust inhalation - respirator/mask required
- ☐ Noise - hearing protection required
- ☐ Machine damage - router bit collision with table and/or clamps
- ☐ Sudden movement of the table - wheels must be locked
- ☐ Pinch hazard - in the linkage / slide

Materials

Member must demonstrate knowledge of which materials are allowed and which materials are prohibited. Member knows where to look for the complete list of allowed and prohibited materials.

- [ ] Wood is permitted
- [ ] No lead-painted materials are allowed due to toxic dust.
- [ ] Reclaimed materials must be checked thoroughly for nails and other metal inclusions
- [ ] Metals are prohibited (spark / ignition risk)
- [ ] All glue and resin must be fully cured (causes damage to table & bits)

Usage

Member demonstrates how to safely set up, use, and clean up after use, including:

- [ ] Checking all of the lock levers to ensure they're tight
- [ ] Selecting and installing a template and guide bearing
- [ ] Adjusting the angle, miter, and position of the workpiece and clamping it
- [ ] Setting the depth of the cut (aligning the wood/table while the router is at its depth limit)
- [ ] Connecting/disconnecting a vacuum to the dust port
- [ ] Starting the router, waiting for speed, adjusting the RPMs, and initiating a cut
- [ ] Identifying the correct direction to travel when routing (always conventional, avoid climb)
- [ ] Sweeping and vaccuming machine surfaces and the surrounding area
- [ ] Trashing unusable material and scrapping usable material
- [ ] Putting away all accessories in the cart after use
- [ ] Locking the machine at max depth (farthest from table) after use

Knowledge and Technique

The member must be able to demonstrate:

- [ ] Keeping a firm grip on the handle while the tool is running
- [ ] Not over-tightening templates (strips out the threads)
- [ ] Keeping fingers out of the table angle guide while adjusting (pinch hazard)
- [ ] Transitioning between interior and exterior use of the template (retracting and placing the guide bearing)
- [ ] Making several passes into the wood rather than trying to cut the full depth in one go
- [ ] Commitment to always unplug the router before adjusting/removing/replacing the router bit
- [ ] Keen awareness of the presence and running state of the router bit at all times
- [ ] Being aware of where other people are

☐ Knowledge of issues that cause kickback and tearout of the workpiece

☐ Identifying and fixing drift in cutting bit during use

☐ Commitment to always use a vacuum while operating the router (dust mitigation)

☐ Commitment to wait for the router to spin down before walking away, always ensure it's fully stopped

☐ Commitment to not create/install custom templates without advanced instruction

☐ Whenever possible, setting the router bit max depth so it's not over the top surface of the table

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