Maintenance

- Always unplug the unit when cleaning.
- We recommend after wet use to drain any remaining coolant: The debris from glass and related materials has a tendency to harden. Rinse and dry the reservoir and removable work surface.
- After dry use empty or vacuum the reservoir of debris and then wipe down and dry the reservoir and removable work surface.
- **Never** allow the yellow motor unit to get wet or immerse it in water. Use a vacuum to remove any debris from the bottom air vents on the unit.
- Always secure grinding heads to the flat side of the motor shaft. Failure to do so can scar the shaft and prevent head removal. If some burrs or nicks have formed, polish up the motor shaft. Remove all heads and hold a piece of 0000 (or finer) steel wool up to the motor shaft while the unit is running. Work down the imperfections and then wipe the shaft clean and apply a thin coating of Inland MotorShaft Lubricant (stock #50028) or petroleum jelly.
- Removing grinding heads after use will prevent them from seizing.
- Check the power cord periodically for cuts or damage.
- Check all coolant lines and tubes to see that they are not clogged.

Product Specifications

Convertible Motor Unit
Permanent Magnet AC Motor
5/16" Stainless Steel Motor Shaft
115VAC / 60Hz, or 230/240VAC / 50Hz
48 oz-in Torque / 2800 RPM
Two Year Full Confidence Warranty

Router/Shaper
Work Surface: 10" X 12"
Height: 6 1/2"
Maximum Bit Diameter: 1"
Maximum Sanding Thickness: 5/8"

Parts and Accessories

Diamond Heads: Available in 1/4", 3/4", and 1" diameters with grits ranging from superfine to superspeed to meet every grinding or shaping need.

DiamondCoolant™ no. 50011: Use this water soluble coolant to grind faster and make your bits last longer by reducing grinding friction.

Table Saw Conversion Kit no. 10665: Turn your SwapTop™ Router/Shaper into a full function wet or dry operating table saw.

FaceShield™ #50017: A clear 9" x 12" acrylic shield for added eye protection.

MagnaShield™ #50018: A 9 x 12" acrylic shield with optical quality convex magnifying surface built in to reduce eye strain and make detail work easier.

Service

For questions or comments regarding the use of this or any Inland product, visit our website at www.inlandcraft.com; email us at helpdesk@inlandcraft.com; call Inland Customer Service at 1-800-521-8428 9 AM to 5 PM EST or write:

Inland Craft Products, Co.
32052 Edward Drive
Madison Heights, MI 48071

Rev No. 4 Stock No. 69861050

SwapTop™ Router/Shaper

Users Guide

Thank you for buying this Inland product. These instructions cover assembly and use of the SwapTop™ Router/Shaper, SwapTop™ Hobby Shaper and the SwapTop™ Router/Shaper Conversion Kit. Please read all the instructions to understand the correct components, set up, and use of your machine.

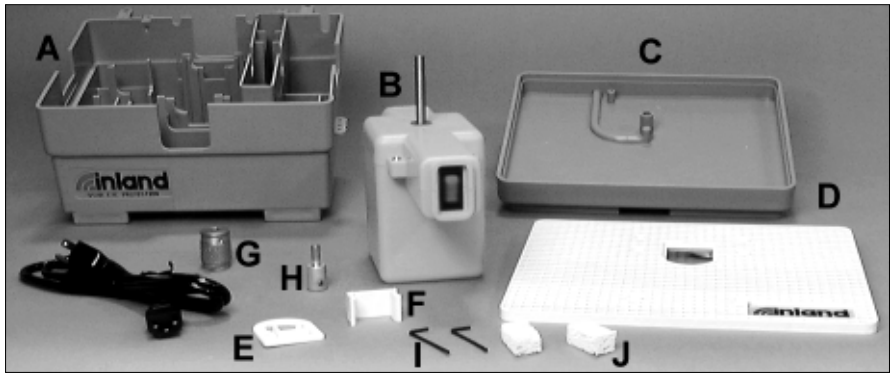
Safety

- √ **Always** wear safety glasses or goggles. You can use a FaceShield™ or MagnaShield™ for *additional* protection.
- √ Plug into a grounded electrical system. **Do Not** override the grounding system.
- √ If your motor unit has a speed control feature, make sure that you set it at the maximum speed for proper operation.
- √ Always unplug your machine when switching between set ups, installing blades, and making adjustments.
- √ Place on a sturdy, level, water tolerant surface at a comfortable working height.
- √ Never operate with guard covers and safety features removed or disabled.

Parts List

Use the chart and picture to verify you have the following items:

	Name	Color	No.	10650	10640	Conversion Kit
A	Machine Base	Grey	1	yes	yes	no
B	Motor Unit	Yellow	1	yes	yes	no
C	Removable Reservoir	Grey	1	yes	yes	yes
D	Reversible Grid Surface	White	1	yes	yes	yes
E	BitSert™	White	1	yes	yes	yes
F	Splash Guard	White	1	yes	yes	yes
G	1" Diamond Head	Brass	1	yes	yes	yes
H	1/4" Diamond Head	Brass	1	yes	optional	optional
I	5/64" Allen Wrench	Black	2	yes	yes	yes
J	Sponge	Yellow	2	yes	yes	yes
	Drain Tube	Clear	1	yes	yes	yes



Setting Up the SwapTop Router/Shaper

1. If your machine is set up for sawing, remove the entire table saw top, blade and blade arbor. You should have just the open base with yellow motor unit.
2. Position the yellow motor unit in the base with the motor shaft vertical. Press down on the unit slowly, yet firmly until you feel it seat into the base.
3. Place the gray reservoir surface onto the base making sure the spring loaded latches on each side snap into place. You should be able to lift the entire unit by the top.
4. Place the white grid surface onto the reservoir and insert the white BitSert™.
5. Use the 5/64 allen wrench to secure the 1" grinding head to the flat side of the motor shaft. The amount of bit surface showing needs to be slightly more than the thickness of the material you are shaping. Depending on the thickness of the material, there are multiple sections of usable diamond/abrasive. As one section wears, loosen the head, move the bit to expose a new section and re-secure to the motor shaft.

Wet Routing, Shaping, and Grinding

You can shape glass, stone, tile and similar materials using your SwapTop™ with Inland Diamond heads and coolant following these steps:

1. Attach the clear overflow drain tube onto the nipple located on the back of the gray reservoir. Place the end into a small bucket, can, etc.
2. Fill the reservoir with water approximately 1/2" deep. You can add a capful of Inland DiamondCoolant™ to the water at this time. It helps your diamond heads grind more efficiently and last longer.
3. Insert the splash guard into the holes in the BitSert, behind the grinding head.
4. Insert a sponge into the rectangular hole of the BitSert™ behind the grinding head. Make sure the sponge contacts the water in the reservoir and the diamond surface. The sponge supplies coolant from the reservoir to the bit while grinding. If you ever see a white powder appear when wet grinding stop immediately and check your coolant level and/or sponge position. Using diamond heads without sufficient coolant will severely affect their performance and life span.
5. Place a small scrap of material onto the work surface and start the machine. Slowly move the material into the grinding head. Get a feel for the grinding action by trying different amounts of pressure against the head. With a little practice you will get a feel for the optimal grinding action and pressure.

Drilling Holes

You can safely drill holes in all types of material using the 1/4” grinding head (optional with the Conversion Kit and HobbyShaper). Place the bit on top of the 1” grinding head and secure the flat side of the motor shaft. For glass, tile, stone, etc., hold a coolant soaked sponge against the bit to keep it wet while drilling. Turn on the SwapTop™. Start by holding the material at a 45° angle and then bring it down flat onto the bit. Work the material around the bit keeping the wet sponge against the head. Continue working until you see the bit start to come through the back. Slow down to prevent chipping as the bit comes through the back. You can enlarge the hole by grinding the inside of the existing hole to the desired size. Drilling wood or plastics is done without any coolant.

Dry Shaping and Sanding

Your SwapTop™ Router/Shaper is also freehand shaper and sander. You can sand scallops onto the edge of wood, sand out blade marks caused by rip sawing wood or plastics, shape wood or plastic model parts, or create your own parts from scratch. Depending on the material and finish desired, you can shape and sand wood with either Inland DBI™ Sanding Drums or Inland Diamond Bits. Follow the same general instructions as for wet grinding, omitting the use of coolant. If the machine has been set up for wet use, make sure to drain and dry all parts.

Using the Straight Edge Guides

The straight edge guides consist of 2 T-shape guides and 4 thumb screws with hex screw posts. The underside of the grid surface has 4 hex shaped holes, two on each side of the bit opening. (The holes in the grid front are used with the optional 30°-60°-90° tool) From the underside insert a hex post up through the grid. From the grid top place the straight edge guide channel over the post with the edge guide facing front and secure with the thumb screw. Repeat for all screws so that you have one guide on each side of the bit opening. Replace the grid.

You can use the straight edge guide to even edges and make uniform strips and pieces. Slightly loosen the thumb screws and adjust the guides to remove the amount of material desired. Tighten the screws. Hold the material against the guide as you feed it into the bit. Remove larger amounts of material in several passes and never force material into the bit to the point it bogs or stalls. When wet grinding make sure there is adequate coolant supplied to the bit.

Use and Head Type Reference Chart

Material	Method	Head Type	Material	Method	Head Type
Glass	Wet	Diamond	Wood	Dry	Sanding Drum
Stone	Wet	Diamond	Wood	Dry	Diamond Bit
Cultured	Wet	Diamond	Brass	Dry	Sanding Drum
Mirror	Wet	Diamond	Brass	Dry	Diamond Bit
Tile	Wet	Diamond	Plastics	Dry	Diamond Bit
Ceramic	Wet	Diamond	Plastics	Dry	Sanding Drum