

SETUP

CORNER SNUGGERS:™ The corner snuggers are designed to tighten plate position by pressing outward in all four corners. They are not designed to clamp the plate down to the table.

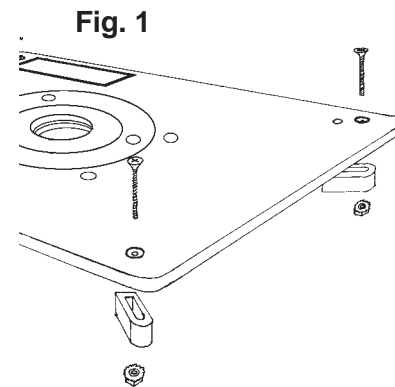
1. Once router is mounted, place plate in top opening with starting pin holes to the right side. Assemble Corner Snuggers™ through plate using hardware provided (**Fig. 1**).

2. To hold plate in position push Corner Snuggers™ into all four corners and tighten.

INSERT RINGS: The insert rings are designed to snap together with a tight fit, so that they will stay securely in place.

To remove and replace the rings you may need to apply considerable force. We recommend tapping the rings gently but firmly using a soft mallet or piece of wood.

- If you desire a looser fit, you may **lightly** sand the inside diameter of the plate and red ring.
- When replacing red ring the tab on underside must line up with one of the two notches in plate.



OPERATING INSTRUCTIONS

To get the most versatility and safety from your router table we highly recommend our router fences (3301 Basic or 3301DL Deluxe).

FREEHAND OPERATION: The starter pin is included for freehand routing of curved pieces, using a pilot bearing bit. Caution: Never rout freehand (w/out a fence) using a non-piloted bit. The starter pin may be used in one of the two predrilled locations in the mounting plate or three locations in the red ring. To store the starter pin use the predrilled hole in the back right of the mounting plate.

- When using the starter pin, the feed direction of the workpiece is always right to left across the front of the bit.
- Set the workpiece against the front of the starter pin and pivot it slowly into the bit.
- Once the workpiece has contacted the bit's pilot bearing move it away from starter pin.
- While routing, make sure the workpiece is always in contact with the bearing.



Router Lift LS

Models 3002, 3003 & 3004

IMPORTANT
Read and understand all safety guidelines and instructions carefully before operating.

ROUSSEAU CO.

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GENERAL INFORMATION

You have purchased a ROUSSEAU CO. **3000 SERIES ROUTER LIFT LS**. This product is designed to allow quick and easy bit height adjustment from the top of your table by fast and accurate raising and lowering of the router.

WARRANTY

This product has a lifetime warranty to the original purchaser that applies to defects in materials and workmanship only. We will repair or replace the product or part(s) at our discretion. This warranty does not apply to product failure or defects due to direct or indirect misuse, abuse, negligence, accidents, alterations, repairs or lack of maintenance. The item must be shipped prepaid to our Clarkston, WA location. If items must be returned for warranty service, call to receive a Return Goods Authorization (RGA) number and further instruction.

SAFETY GUIDELINES

THIS SECTION CONTAINS IMPORTANT SAFETY INFORMATION CONCERNING A HAZARD THAT MAY CAUSE SERIOUS INJURY OR DEATH, and/or damage to stand or equipment if used improperly. Please read the following instructions very carefully.

⚠ WARNING Always follow the safety recommendations and guidelines provided by the manufacturer of your tools and supplies. When in doubt refer to your owner's manual.

⚠ WARNING Always wear eye protection. Failure to do so may cause severe injury and/or loss of sight.

⚠ WARNING Always keep fingers clear of cutter. Failure to do so could result in serious injury or loss of fingers.

⚠ WARNING Never wear loose clothing while operating equipment. It may become entangled in router bit causing severe injury or death.

⚠ WARNING Always use guards and hold downs to protect you and your workpiece. Operation without guards could result in loss of fingers, severe injury or death.

⚠ WARNING Carefully check router bits before each use. Do not use if damage or defect is suspected.

⚠ WARNING Unplug any tool or machine when changing bits or making mechanical adjustments.

OPERATION GUIDELINES

THIS SECTION CONTAINS IMPORTANT OPERATIONAL INFORMATION CONCERNING HAZARDS THAT MAY CAUSE SERIOUS DAMAGE TO PRODUCTS OR TOOLS IF USED IMPROPERLY. Please read the following instructions very carefully.

⚠ WARNING Never use a power drill to raise and lower the lift carriage. The amount of friction and heat will cause premature wear of the threads

⚠ WARNING Never force the bit or overload the router.

⚠ WARNING Be sure at least $\frac{3}{4}$ of the shank on the bit is inserted securely in the router collet.

⚠ WARNING Never bottom the bit in the collet. Allow $\frac{1}{8}$ " clearance at bottom of bit.

⚠ WARNING Make sure router fence is locked into position before use.

⚠ WARNING Always rout in two or more passes when removing large amounts of material.

⚠ WARNING Reduce RPM speed for large diameter bits.

INSTALLATION OF BASEPLATE LEVELING SYSTEM

After routing the baseplate hole into your table by following the Baseplate Installation Instructions or using the 3509-T Installation Template, proceed through the following steps to install the leveling system.

1. Mark the location for the six brass inserts. There will be one located in each corner and one on each long side. **Fig. A**
2. Clamp a block of wood below the location of each hole to eliminate tear-out. Drill each hole using a $\frac{7}{32}$ " drill bit. Take care to assure that the holes are perpendicular to the tabletop. **Fig. B**
3. Press one insert into each hole from the top of the table until flush with the surface. This can be done by threading the insert onto the end of a 10-24 screw (the corner snuggler mounting screws will work) and driving it gently with a hammer. **Fig. C**
4. Thread one nylon leveling screw into each insert from the bottom side of table.
5. Place baseplate into the table and adjust each leveling screw to desired height. **Fig. D**

NOTE: THE weight of the router should create sufficient resistance to hold leveling screws in place. However, more resistance can be achieved by distorting the leveling screw threads slightly using pliers. **Fig. E**

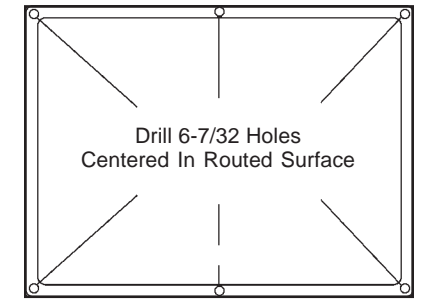


Fig. A

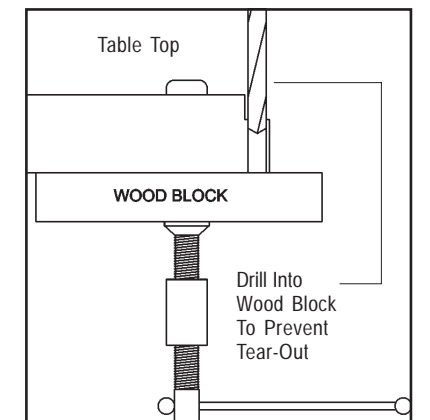


Fig. B

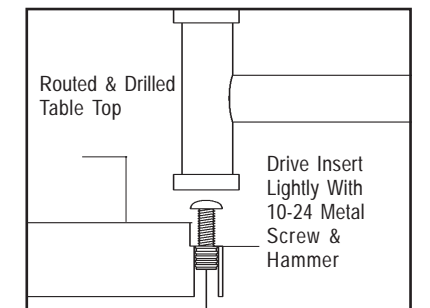


Fig. C

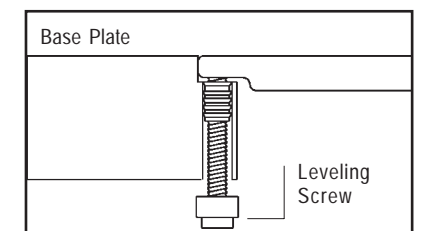


Fig. D

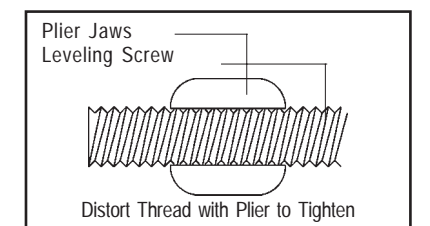


Fig. E

Note: Double stick tape may be substituted for clamps if necessary. Use 2" wide tape the full length of 'L' jigs.

4. Cut the thru hole following the jigs with 1/2" dia. straight flute bit.

Note: To minimize chip out use a up cut spiral bit.

5. Release clamps and move 'L' jigs out 3/8" all around (**Fig. 2**).

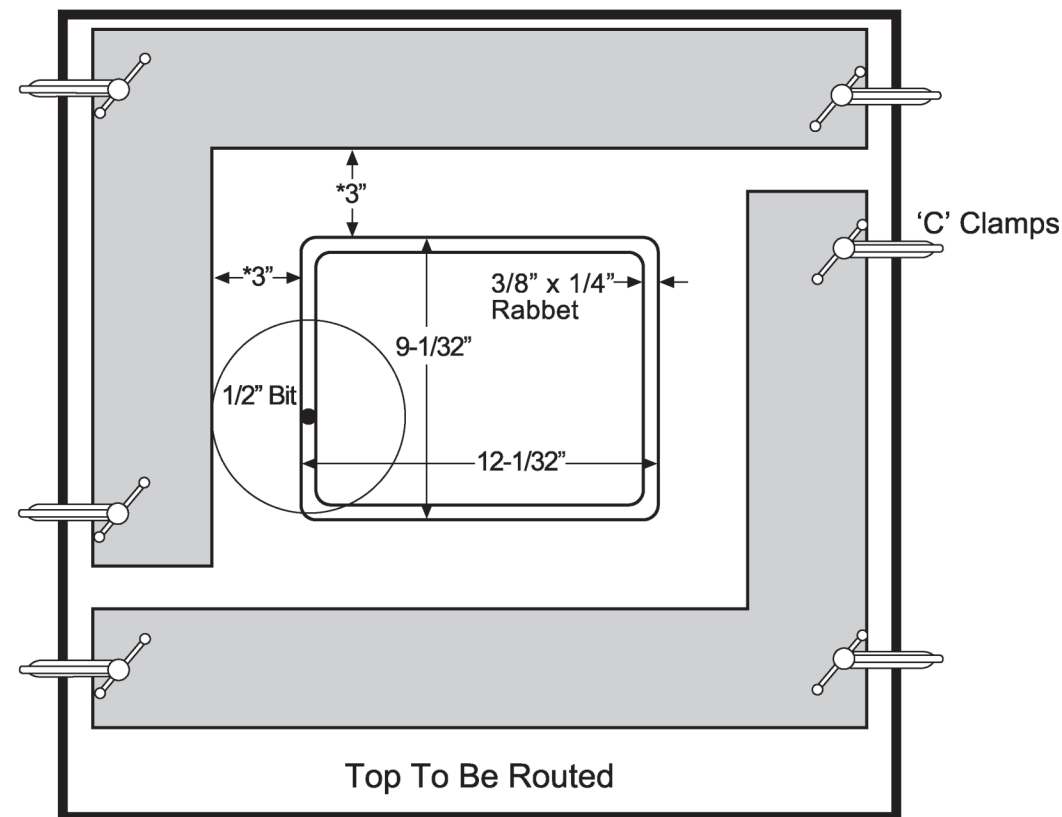
6. Re-clamp jigs and set router bit depth to 5/16".

7. Rout out rabbet 3/8" W X 5/16" D following the jigs with 1/2" dia. straight flute bit..

Note: To minimize chip out, use a down cut spiral bit.

Fig. 2

Cutting Rabbeted Edge



* The 3" figure relates only to a 6-1/2" diameter router base. If you have a router base of a different size your offset will also be different. To figure out the distance needed between the 'L' jigs and the cut, use the following formula:

$$\left(\text{Diameter of Base} - 1/2'' \right)$$

SUGGESTED ROUTER BIT SPEEDS

BIT DIAMETER	MAX. SPEED
1" (25mm)	24,000 RPM
1-1/4" - 2" (30-50mm)	18,000 RPM
2-1/4" - 2-1/2" (55-65mm)	16,000 RPM
3" - 3-1/2" (75-90mm)	12,000 RPM

PARTS INCLUDED

ROUTER LIFT PLUS

- Height Adjustment Wrench
- 9" x 12" Phenolic Resin Base Plate
- 4-1/16" Dia. Red Insert Ring Ring
- 2-7/8" Dia. Grey Insert Ring
- Starter Pin

LEVELING SYSTEM

- 6 Brass Inserts
- 6 Nylon Thumb Screws

CORNER SNUGGERS

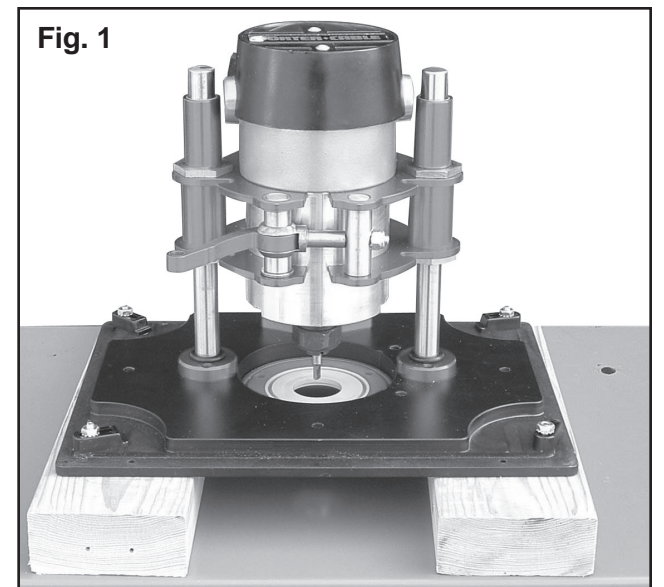
- 4 Corner Snuggers
- 4 screws
- 4 nuts

TOOLS NEEDED

- 7/16 End Wrench
- 1/8 Hex Key Wrench
- Phillips Screw Driver
- Router
- Router Bit
- Hand Drill or Drill Press
- Clamps
- Router Bit
- Mallet or Hammer

ASSEMBLY

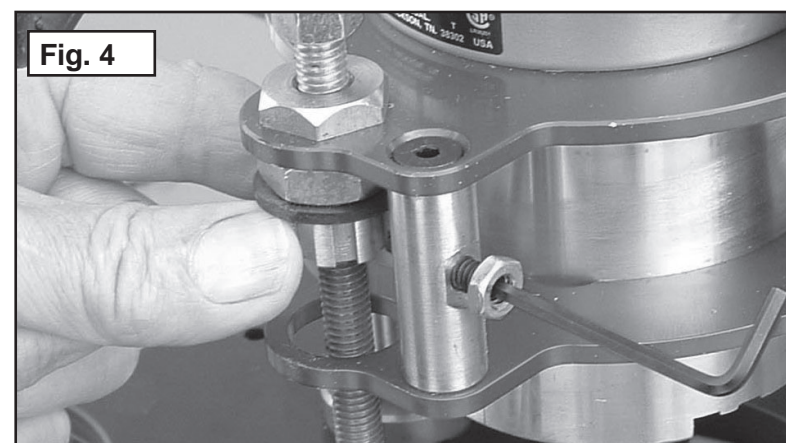
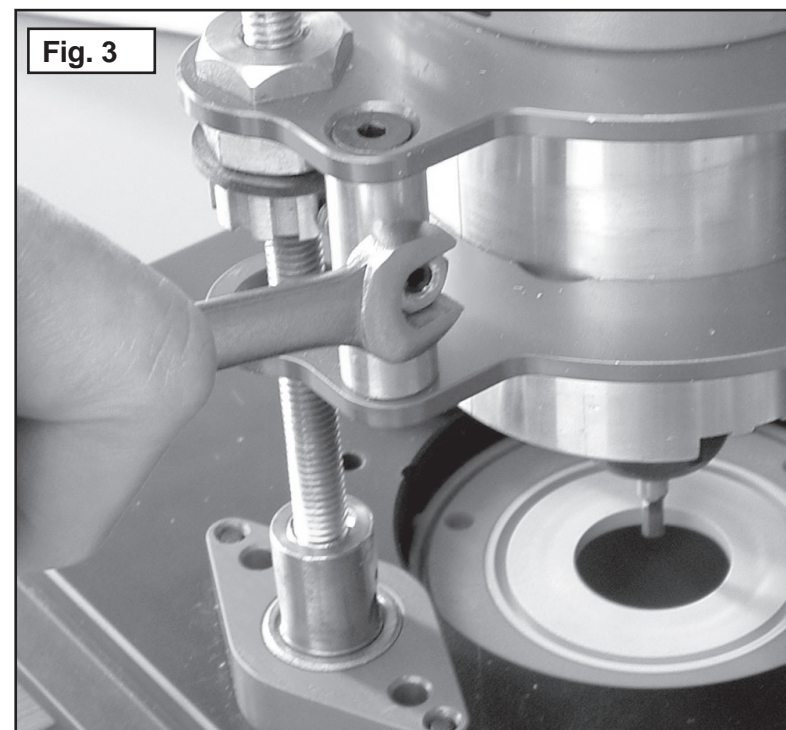
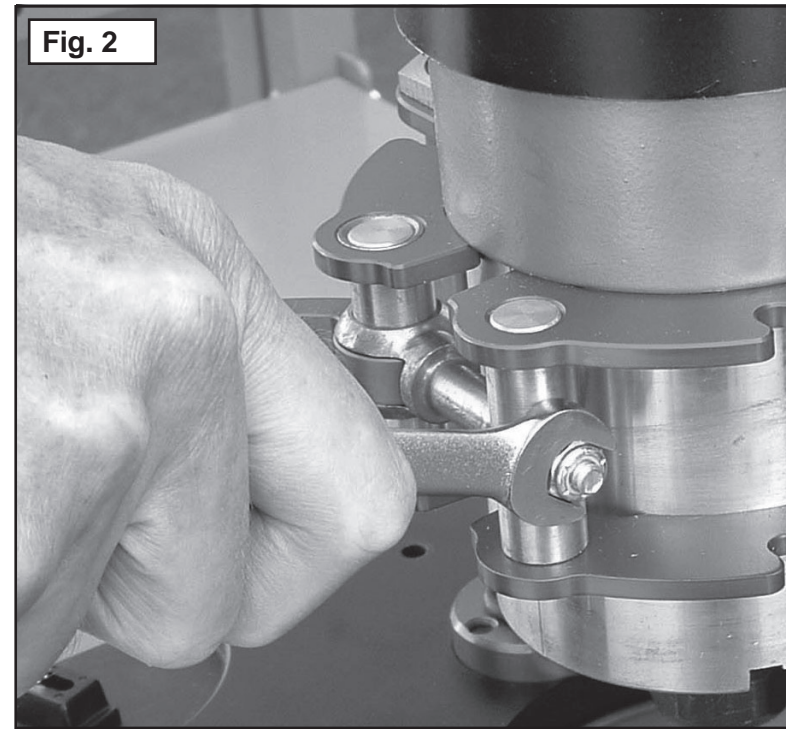
1. Using the crank handle, raise the lift carriage up until it just contacts the O-rings at the top of the shafts.
2. With the router lift propped up on blocks (**Fig 1**) and the cam lock open, slide the router all the way down through the center of the router lift until it contacts the back plate. The router's collet can extend down through the center hole in the base plate. Rotate the router until the switch controls on the router are in a convenient position, back the router up from the back plate about 1/16" and close the cam lock clamp. If the clamp seems too loose or the router moves while being used or the clamp won't close, go to step 3 to adjust the cam lock clamp; otherwise, go to step 4.
3. To adjust the cam lock clamp, use a 7/16 wrench to loosen or tighten the lock nut holding the cam lock clamp (**Fig 2**). A small adjustment should be all that is needed. Test and repeat in small increments until a correct fit is achieved. Clamp router in place as described in step 2.
4. The lift is now ready for your router table. The Rousseau Router Lift is designed to fit Rousseau router tables, Rousseau router table tops and is interchangeable with Rousseau Deluxe Base Plates. See "Installing Base Plate into a Blank Table Top" on next page to make your own router table.



INSTRUCTIONS FOR USE

1. With the adjustment handle in the hex socket in the middle of the dial, turn the handle clockwise to raise your router and counter-clockwise to lower the router. One revolution moves the router 1/16". Remove handle before using router.
2. If bit height changes during use, check the following:
 - a. Make sure collet is tight and router bit is not slipping in collet.
 - b. Make sure cam lock clamp is tight and router is not slipping in lift.
 - c. Depending on usage, thread tension needs to be reset periodically.

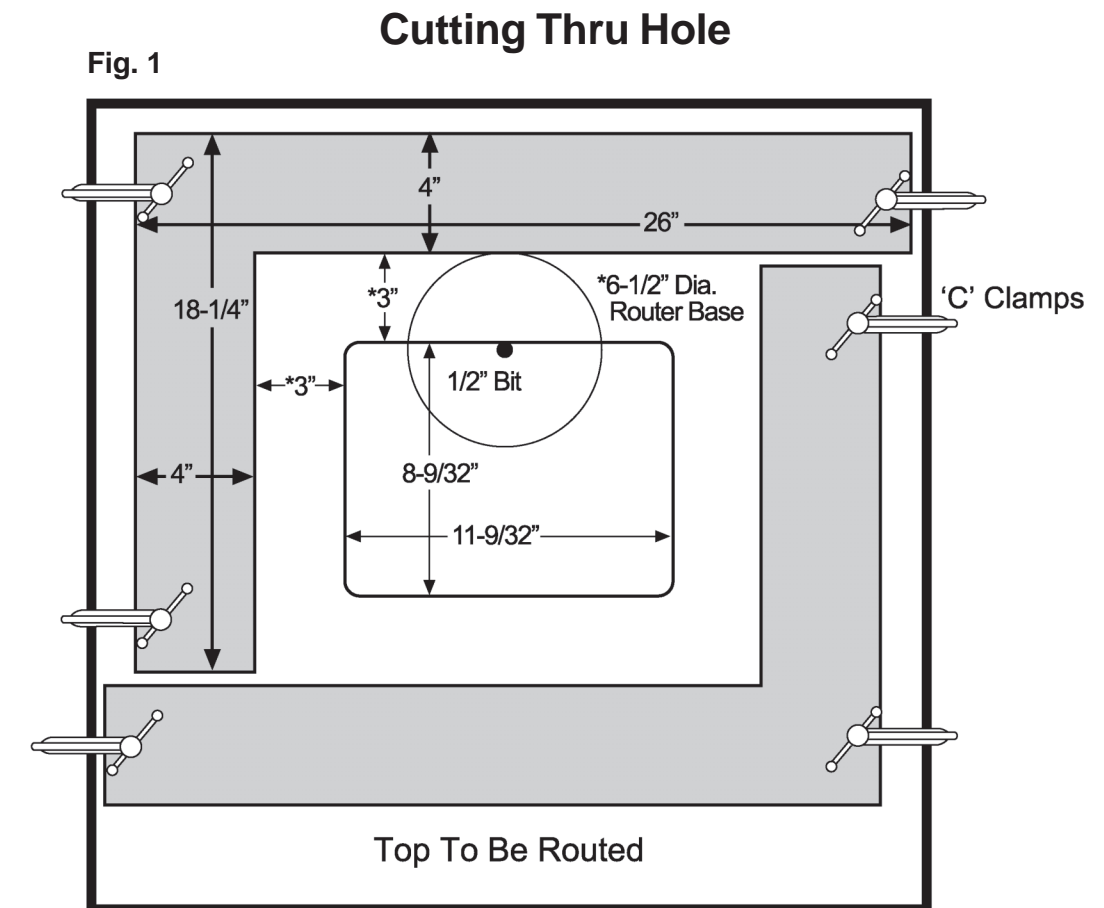
Reset thread tension by first turning the lift upside down on a table with the adjustment rod facing you. Using a 7/16" wrench, (**Fig. 3**) loosen the 1/4" hex nut located on the side of the brass post. Next, use a 1/8" hex key wrench to back out the setscrew inside the nut until the vertically grooved brass collar can be turned (**Fig. 4**). Then, rotate this brass collar so it tightens against the rubber washer. Note: a drop of oil on the rubber washer eases rotation of the brass collar. Finally, tighten the setscrew into one of the vertical grooves on the brass collar and tighten the nut.



INSTALLING BASE PLATE INTO A BLANK TABLE TOP

If you do not have our Base Plate Installation Kit (3509-T), follow the instructions below.

1. Make two hardboard 'L' jigs approximately 18-1/4" x 26" - outside dimensions (**Fig. 1**).
2. Decide where you want the base plate located in the table and mark its outer edges. Then measure in 3/8" in on each edge for the location of the thru hole.
3. Lay the 'L' jigs on table and clamp them in place offset 3" * from the thru hole (**Fig. 1**).



* The 3" figure relates only to a 6-1/2" diameter router base. If you have a router base of a different size your offset will also be different. To figure out the distance needed between the 'L' jigs and the cut, use the following formula:

$$\left(\text{Diameter of Base} - \frac{1}{2} \right)$$