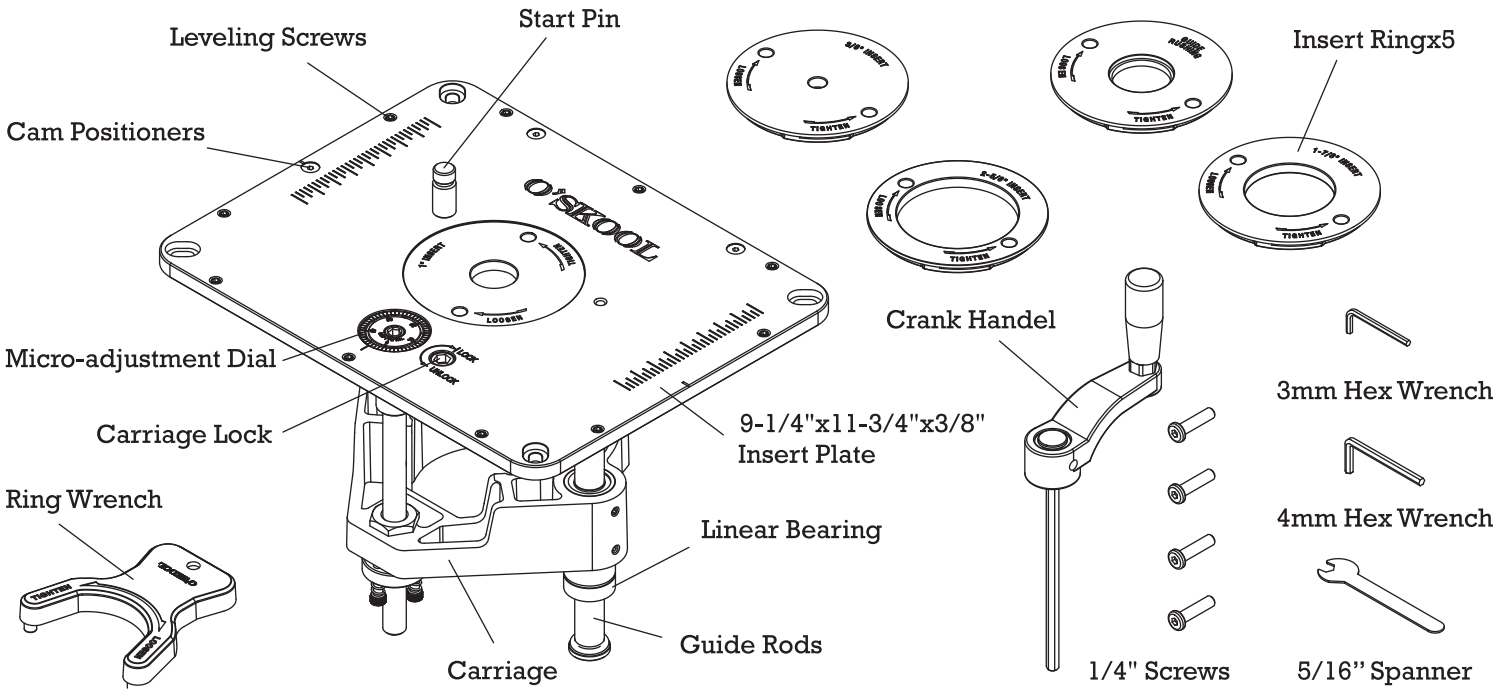
O'SKOOL

RTS027

3.5" Deluxe Router Lift

Part List



Safety Instruction

1. Read and follow the instructions in this document.
2. Read, comprehend, and follow the instructions in the user manuals that came with your router and router table.
3. Unplug the router when installing or adjusting the router or router lift.
4. Always keep hands away from the spinning router bit.
5. Do not attempt plunge cuts.
6. Use the Start Pin when the stock is being guided by the bearing on the router bit.

Compatibility

Routers:

1. Porter-Cable 690 and 890 series
2. Bosch 1617 and 1618 series
3. Dewalt 610 and 618 series
4. Harbor Freight Hercules HE041 (57368)
5. SKIL RT1322-00, RT1323-00
6. Craftsman 1754X, 28190 and 28084

Router Table Systems:

- **O'SKOOL LSD50, LSD52, and LSD56**
- **Router Tabletops:** O'SKOOL RTS016 and RTS015
- **Router Adaptor Collars:** O'SKOOL RTS018 (for 65mm palm routers), and RTS019 (for DWP611)
- **Routing Template for Making DIY Tabletop:** O'SKOOL RTS020
- **Router Guide Bushings:** O'SKOOL RA02
- **Router Table Switch:** PTA030

Specifications

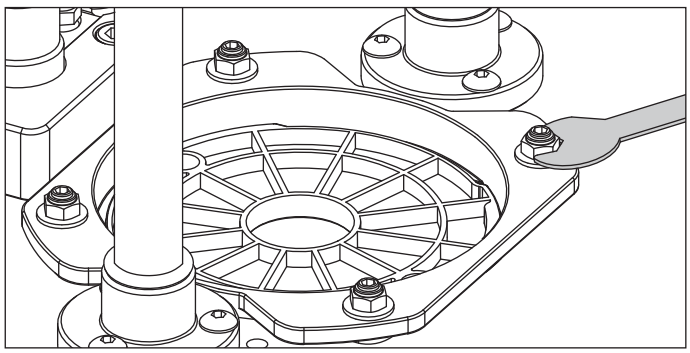
Insert Plate Size: 11-3/4" x 9-1/4" x 3/8"
Compatible Routers: 3.5" O.D. Router Motors
Carriage Travel Stroke: 4"
Leadscrew Pitch: 0.05"
Adjustment Resolution: 0.001"

Installation

Insert Ring Mount Leveling

1. Slide a piece of stock with a flat face over the Insert Plate to find the high and low spots of the Insert Ring that are not flush with the Insert Plate. If the Insert Ring is level with the Insert Plate, skip the later steps for level adjustment.

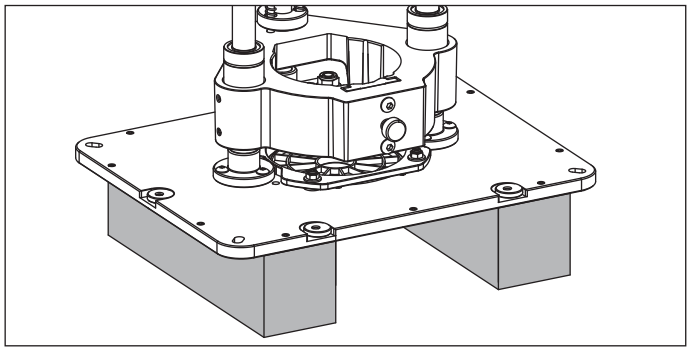
2. Reverse the Insert Plate and micro-adjust the 4 nuts with the included 5/16" Spanner. Clockwise turns make the Insert Ring Mount quadrant, and vice versa.



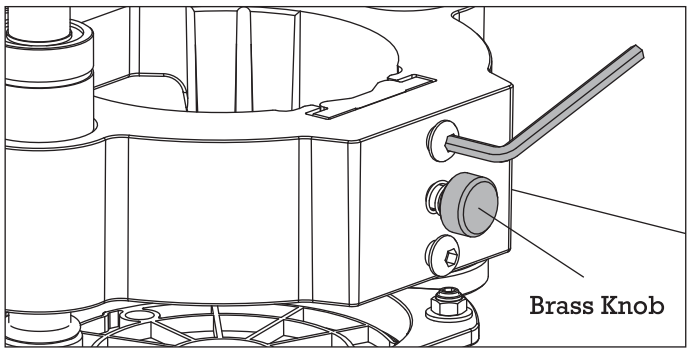
3. Repeat steps 1 and 2 until the Insert Ring is flush with the Insert Plate.

Router Installation

1. Crank the Carriage all the way up with the Crank Handle.
2. Flip the router lift upside down and rest it over 2 pieces of stock, then elevate the Router Lift by around 1".

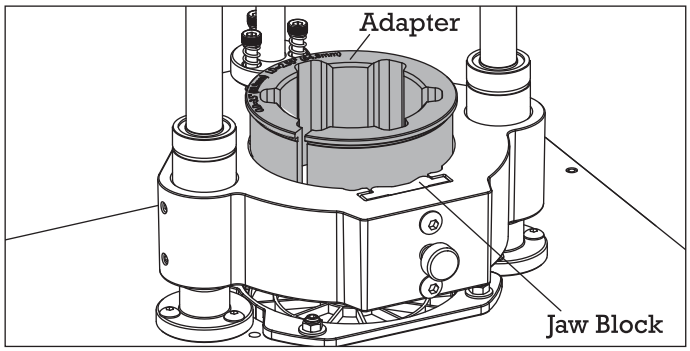


3. Retract the Brass Hand Screw and the Screws which force the Clamping Block.



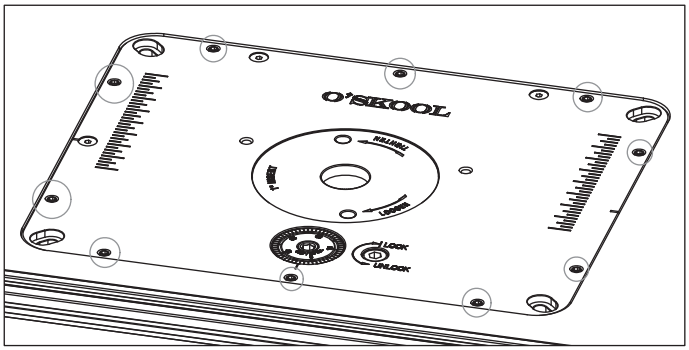
4. Insert the 3.5" router motor into the Carriage center bore all the way in until the router's collet nut contacts the surface where the riser blocks sit.
5. Tighten the Brass Hand Screw first, then the forcing Screws.

Note: When using an O'SKOOL Adaptor Collar for palm router installation, insert the Collar into the Carriage and orient the collar slit away from the Clamping Block.



Insert Plate Leveling

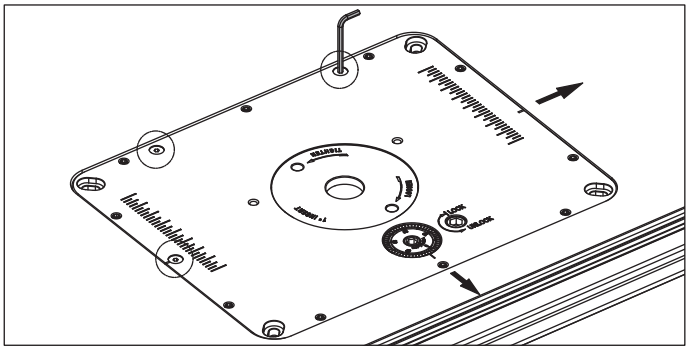
1. Place the Router Lift into the router table central opening.
2. Retract all Leveling Screws. Level the Insert Plate with the router table surface by adjusting the 4 Screws at the corner. As the level is achieved, drive the remaining Screws in until they gently touch the opening rebate.



Insert Plate Positioning

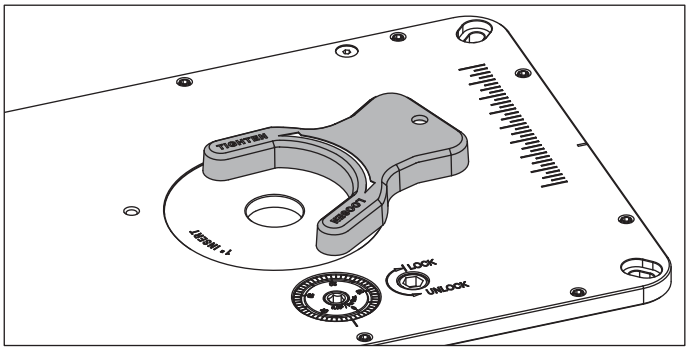
There are 3 Cam Positioners in the Insert Plate. They help retain the Insert Plate position under the directional force of stock being pushed and the vibration caused by the router. Besides that, they also keep the insert plate in the same position within the router table every time the router lift is reinstalled.

1. Loosen Cam Screws and keep them in a position where the Cams are not protruding over the perimeter of the Insert Plate.
2. Put the Insert Plate into the opening of the router table. Gently push the plate against the right and rear wall of the opening. Then tighten the Cam Screws to fix the Insert Plate in place.



Changing Insert Ring

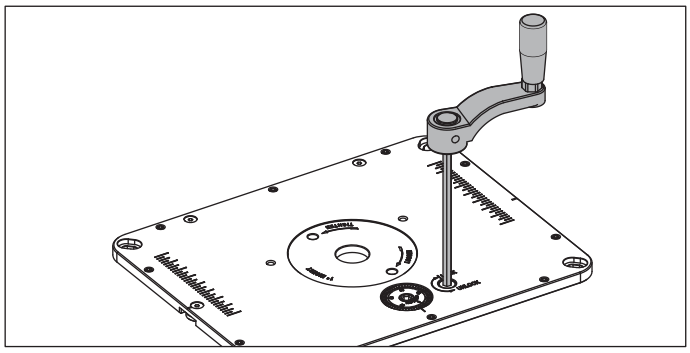
1. **Remove the Insert Ring:** Insert the pins of the Ring Wrench into the dog holes on the Insert Ring, drive it clockwise, then retrieve the Insert Ring.
2. **Install the Insert Ring:** Select the Insert Ring with the size in need and place it into the center of the Insert Plate, then drive it with the Ring Wrench in a counterclockwise direction to lock it in place.



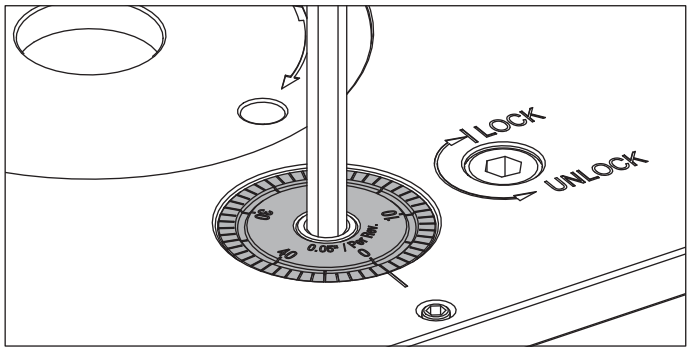
Operating the Router Lift

Height Adjustment

1. **Unlock the Leadscrew:** Insert the shank of the Crank Handle into the Carriage Lock socket and turn counterclockwise to free the leadscrew.

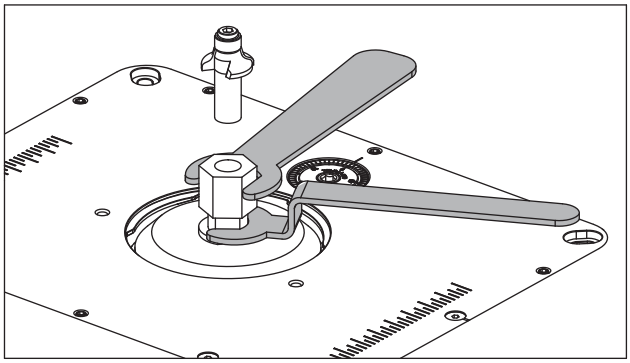


2. Adjust the Carriage Height: Insert the Shank of the Crank Handle into the Leadscrew Socket. Turn it in a clockwise motion to raise the router and vice versa. A full turn moves the Carriage by 0.05". The Indicator Dial has 50 marks. The movement of 1 mark is a thousandth of an inch.



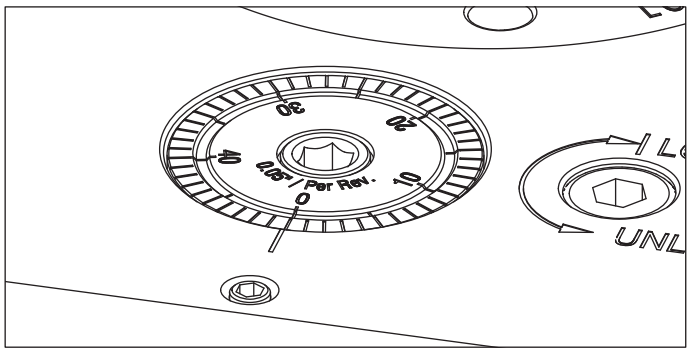
Router Bit Installation

1. Remove the Insert Ring.
2. Raise the Carriage all the way up.
3. Change the router bit.
4. Install the Insert Ring with proper bore back to the Insert Plate.



Micro Adjustment Dial Zeroing

1. Adjust the Carriage height to level the router bit top cutting edges with the level of the Insert Plate.
2. Use two fingers to turn the Micro Adjustment Dial to the 0 position.

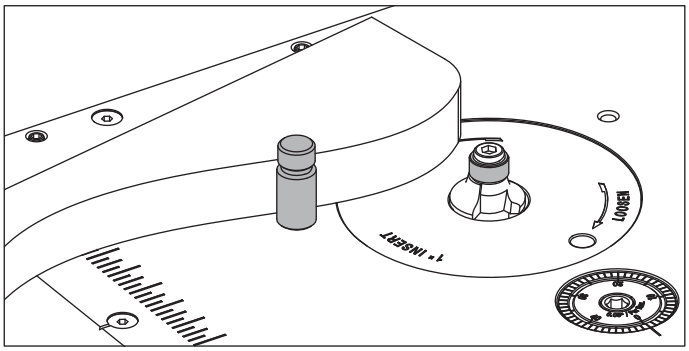


How Start Pin Works

1. There are 2 threaded holes close to the center bore of the Insert Plate. Thread the Start Pin in either hole.
2. When using the bearing router bit, use the Start Pin as a pivot point to bring the stock into the cut. Once the stock contacts the router bearing, you may separate the stock with the Start Pin.

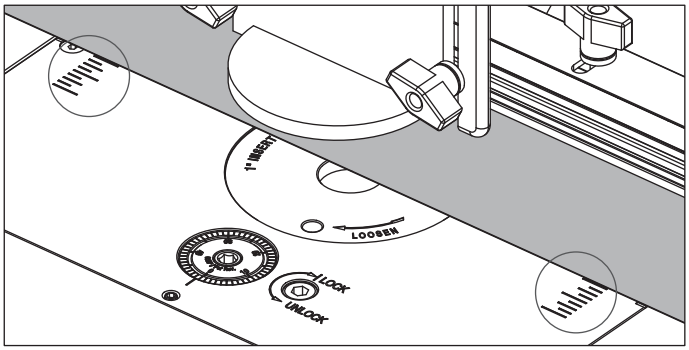
Warning:

1. When using the bearing router bit, you need to remove the router table fence from the table.
2. The Start Pin is only used with the bearing router bit for trim/template routing. If the router bit does not have a guiding bearing, always guide the stock with a router table fence.



Fence Offset Scale

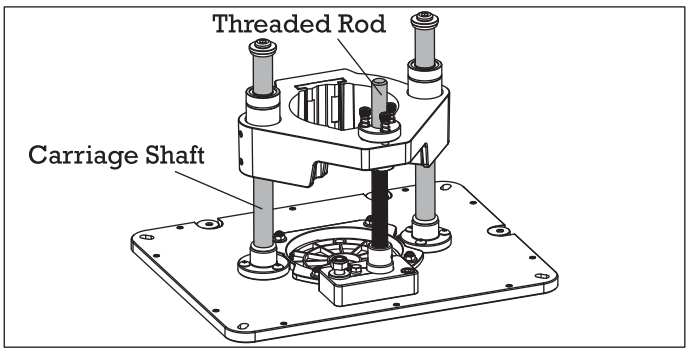
There are 2 centerline notches at both sides of the insert plate for router table fence zeroing. There are laser engraved scales on both sides for you to set up the fence offset with accuracy.



Maintenance

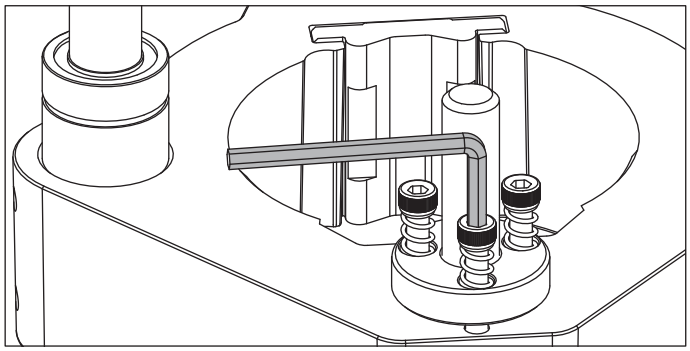
Guide Rods and Leadscrew

Periodically remove dust and debris from the Guide Rods and Leadscrew. If lubrication is required, apply a light coat of dry lubricant and wipe away any excess to minimize dust buildup.



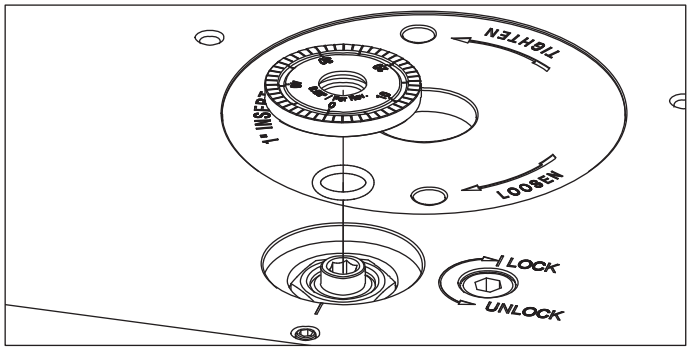
Anti-Backlash Adjustment

Over long operation, the Anti-Backlash may lose tension. When that happens, tighten 3 Socket-Head Screws all the way down to reset the tension.



Micro Adjustment Dial

1. When the Micro Adjustment Dial does not rotate with the Leadscrew, pick out the Dial and the O-ring within, and wipe off the excessive lubricant. Then install it back.
2. When the Micro Adjustment Dial is difficult to dial, pick out the Dial and the O-ring within, and apply some silicone-based lubricant. Then install it back.
3. When the O-ring is worn out or loses tension, you may purchase the **5mm I.D., 9mm O.D., 2mm thick NBR** O-ring for replacement.



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