

Woodpeckers®

ROUTER SLED 4896

O W N E R ' S M A N U A L

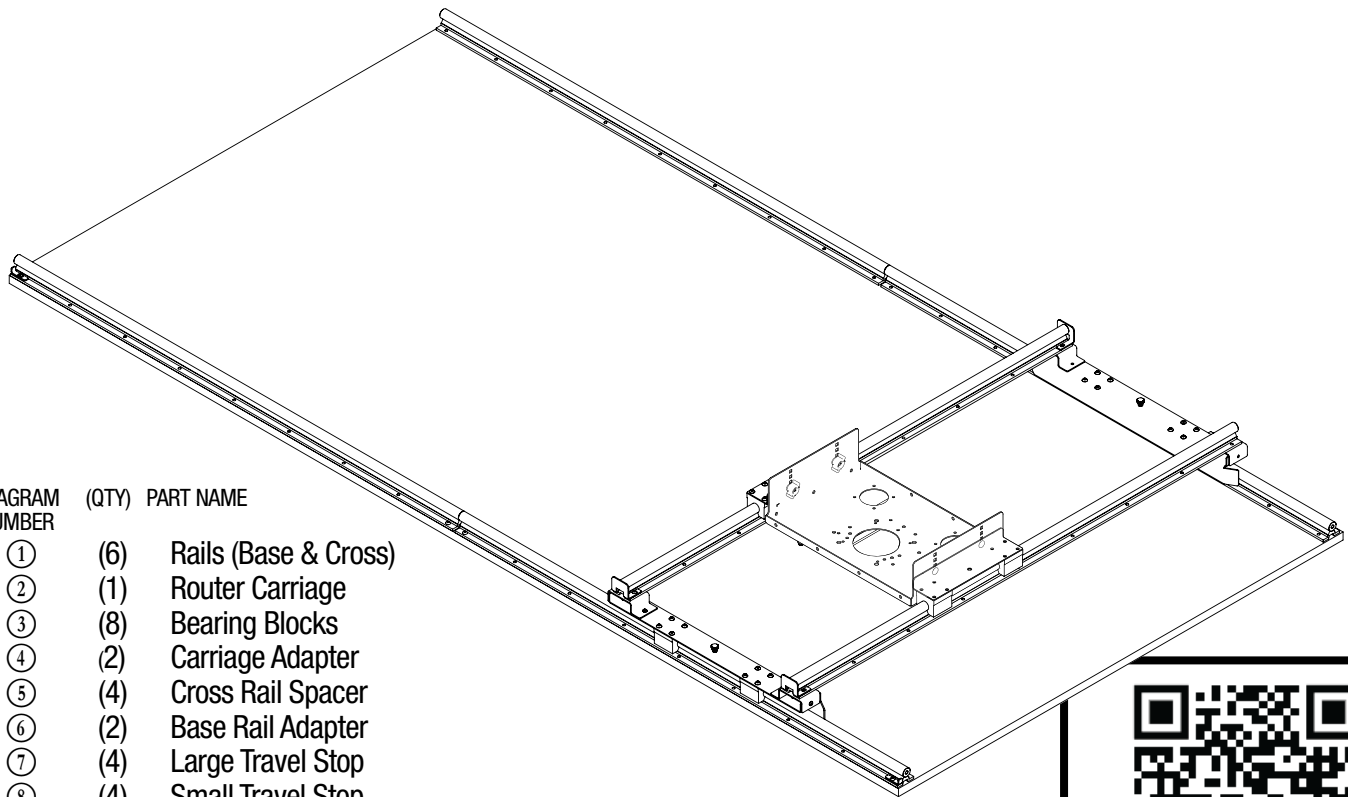


DIAGRAM
NUMBER

(QTY) PART NAME

- | | | |
|---|-----|----------------------|
| ① | (6) | Rails (Base & Cross) |
| ② | (1) | Router Carriage |
| ③ | (8) | Bearing Blocks |
| ④ | (2) | Carriage Adapter |
| ⑤ | (4) | Cross Rail Spacer |
| ⑥ | (2) | Base Rail Adapter |
| ⑦ | (4) | Large Travel Stop |
| ⑧ | (4) | Small Travel Stop |
| ⑨ | (6) | Shims |

Hardware Bag A

- | | | |
|---|------|--|
| ⑩ | (16) | 10-32 Kep Nuts |
| ⑪ | (8) | 10-32 x 3/8" Button Head Socket Cap Screws |
| ⑫ | (8) | 10-32 x 5/8" Button Head Socket Cap Screws |
| ⑬ | (1) | 1/8" Allen Wrench |

Hardware Bag B

- | | | |
|---|-----|------------------------------|
| ⑭ | (4) | 1/4-20 x 3/4" Carriage Bolts |
| ⑮ | (4) | 1/4-20 Small Red Knobs |

Hardware Bag C

- | | | |
|---|------|---|
| ⑯ | (32) | M6 x 12mm Button Head Socket Cap Screws |
| ⑰ | (1) | 4mm Allen Wrench |

Hardware Bag D

- | | | |
|---|------|------------------------------|
| ⑱ | (20) | #10 x 3/4" Short Wood Screws |
| ⑲ | (4) | #10 x 1" Long Wood Screws |

Hardware Bag E

- | | | |
|---|-----|--|
| ⑳ | (2) | 1/4" x 1-1/2" Alignment Dowel Pins |
| ㉑ | (4) | 1/4-20 x 3/4" Black Nylon Thumb Screws |

Hardware Bag

- | | | |
|---|--|--------------------------|
| ㉒ | | Router Attachment Screws |
|---|--|--------------------------|

Dust Collection Kit *(Optional SKU: RS-DC)*

- | | | |
|---|------|------------------------------------|
| ㉓ | (2) | Short Curtain Retainer |
| ㉔ | (2) | Long Curtain Retainer |
| ㉕ | (2) | Short Curtain |
| ㉖ | (2) | Long Curtain |
| ㉗ | (2) | Hose Flanges |
| ㉘ | (2) | 2-1/2" Dust Collection Hose |
| ㉙ | (4) | Band Clamps |
| ㉚ | (1) | Wye Fitting |
| ㉛ | (22) | 10-32 Phillips Head Machine Screws |
| ㉜ | (22) | 10-32 Kep Nuts |



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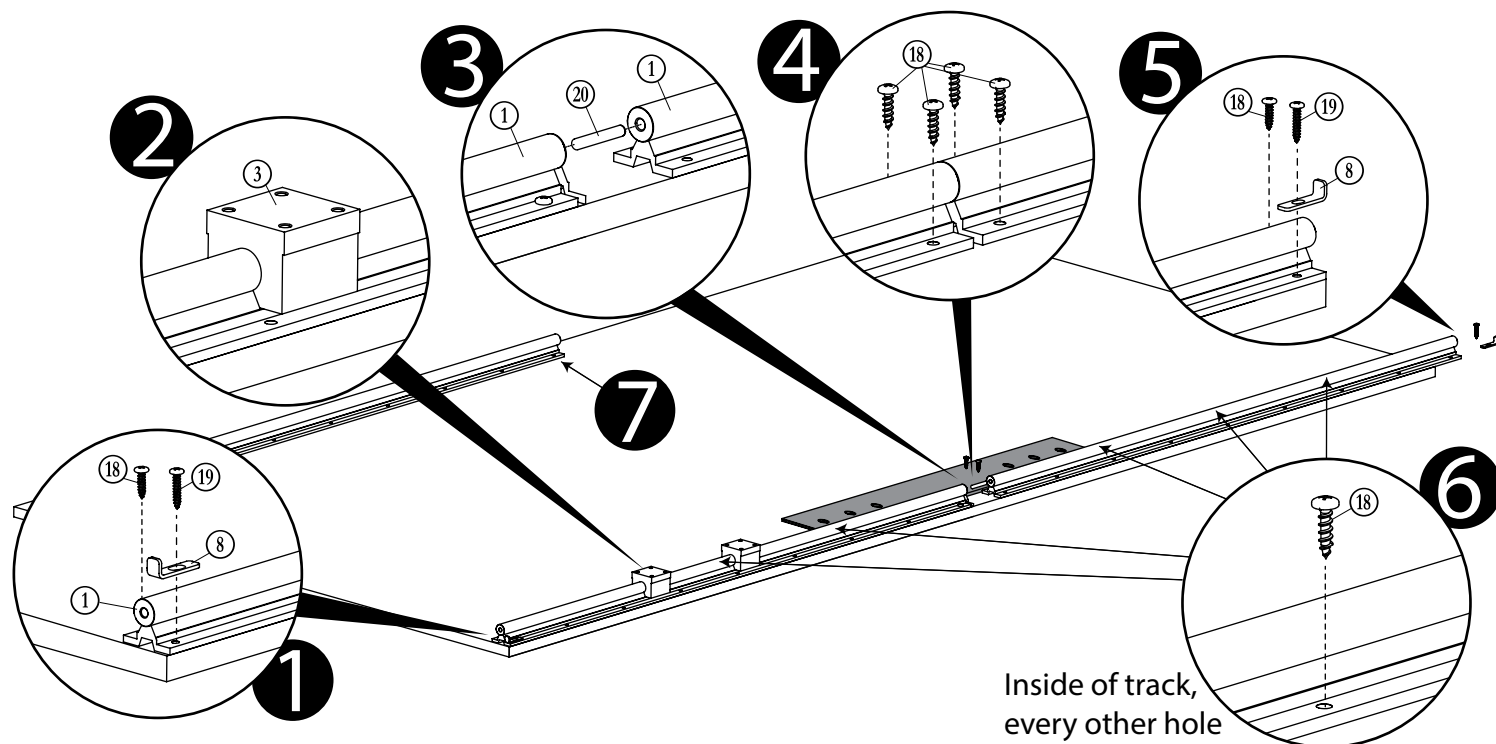
BEFORE YOU BEGIN

For the most accurate results, the Router Sled 4896 must be mounted to a flat, well-supported surface. We recommend using a full-size sheet of quality hardwood plywood or MDF as the bed, supported by a workbench or frame that supports the sheet nearly to its edges.

Before installing the sled:

- Confirm the workbench or support frame is stable.
- Shim the workbench legs as needed until the top is level in both directions.
- Check the bed surface with a reliable straightedge.
- Make sure the bed is both flat and fully supported before installing the length rails.

Once the mounting surface is level, flat, and stable, you're ready to assemble and install your Router Sled 4896.

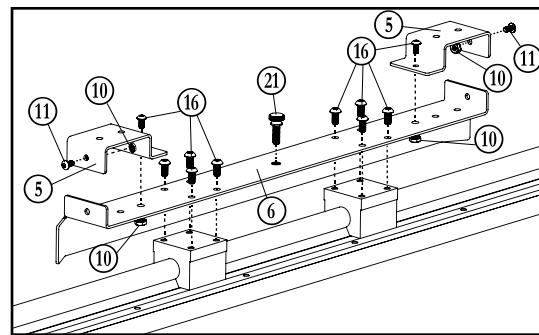


I. INSTALL THE BASE RAILS

1. Position the first ① Base Rail with the outside edge aligned to the outside edge of the plywood bed. Secure the end of the rail with the ⑧ Small Travel Stop and the ⑱ Short & ⑲ Long Wood Screws.
2. Guide two ③ Bearing Blocks onto the ① Base Rail.
3. Install the ⑳ Alignment Dowel Pin in the end of the rail and align the second ① Base Rail using a long straight edge. Ensure the rails are flush at the butt joint.
4. Secure the ends of both rails with the ⑱ Short Wood Screws.
5. Secure the end of the second ① Base Rail with the ⑧ Small Travel Stop and the ⑱ Short & ⑲ Long Wood Screws.
6. Install (6) more ⑱ Short Wood Screws in every other hole on the inside of the rail through every other hole.
7. Roughly position the parallel ① Base Rail.

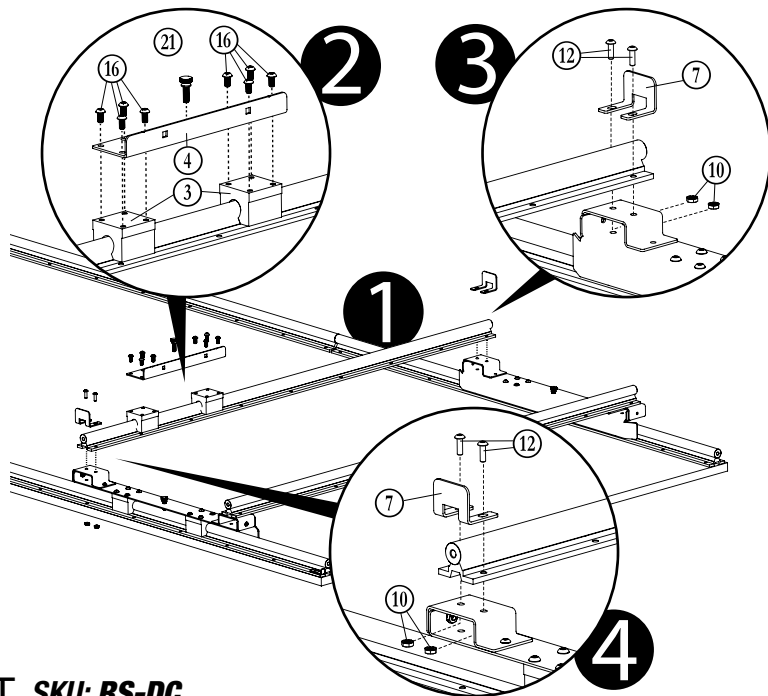
II. INSTALL THE CROSS RAIL SUPPORT

1. Install each ⑤ Cross Rail Spacer to the ⑥ Base Rail Adapter using two ⑪ Button Head Cap Screws and two ⑩ KEP Nuts.
2. Attach the ⑥ Base Rail Adapter to the ③ Bearing Assemblies using ⑧ ⑩ Button Head Cap Screws.
3. Install the ②① Thumbturn Knob and leave loose for now.
4. Repeat for the other Cross Rail Support on the loose Length Rail.



III. INSTALL THE CROSS RAILS

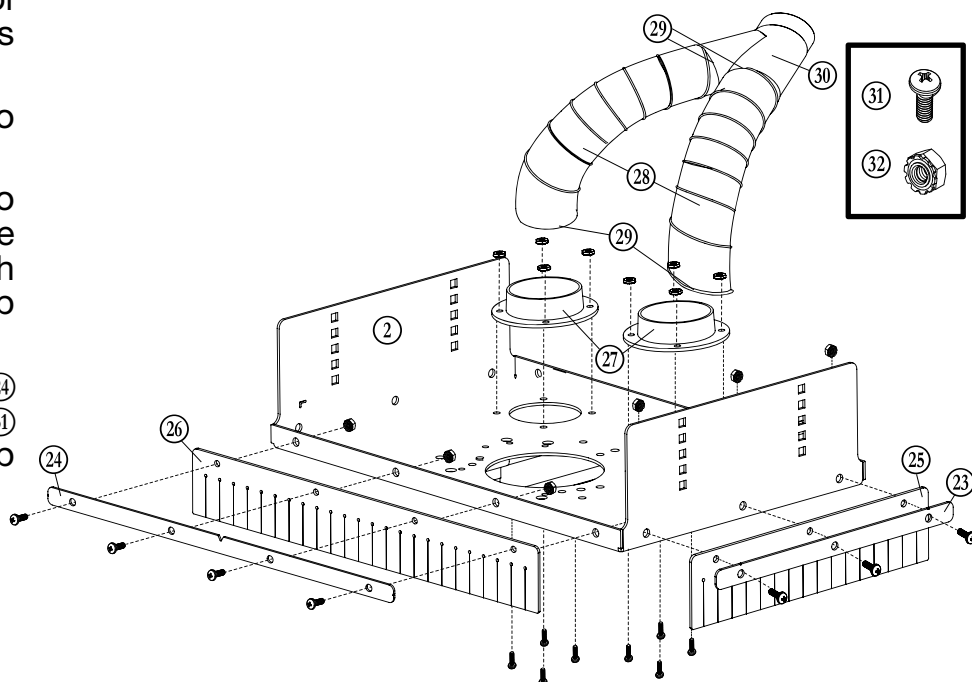
1. Place a cross rail on the ⑤ Cross Rail Spacers and guide two ③ Bearing Blocks onto the rail.
2. Install one ⑦ Large Travel Stop by guiding two ⑫ Socket Head Cap Screws through the ⑦ Large Travel Stop, ① Cross Rail, ⑤ Cross Rail Spacer and secure with two ⑩ KEP nuts. *See Detail 3.*
3. Install the ④ Carriage Adapter to two ③ Bearing Assemblies using eight ⑩ Button Head Cap Screws. Repeat for the other side. *See Detail 2.*
4. Repeat step 2 for the other ⑦ Large Travel Stop. *See Detail 4.*
5. Repeat these steps for the other Cross Rail.



IV. INSTALL THE DUST COLLECTION KIT **SKU: RS-DC**

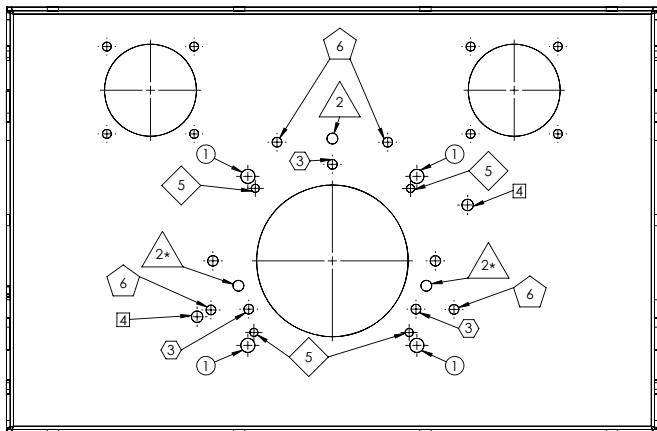
If you purchased the Dust Collection Kit, install it before mounting the router.

1. Attach the ②⑦ Hose Flanges on top of the carriage using the ③① Phillips head screws and ③② Kep Nuts.
2. Install the four ②⑨ Hose Clamps onto each hose.
3. Secure one end of each ②⑧ Hose to the ②⑦ Hose Flanges, then secure the ③③ Wye to the other end of each hose. Tighten each hose clamp securely.
4. Install the ②⑥ Long Curtain and ②④ Long Curtain Retainer using the ③① Phillips Head Screws and ③② Kep Nuts.
5. Repeat for the ②⑤ Short Curtain.

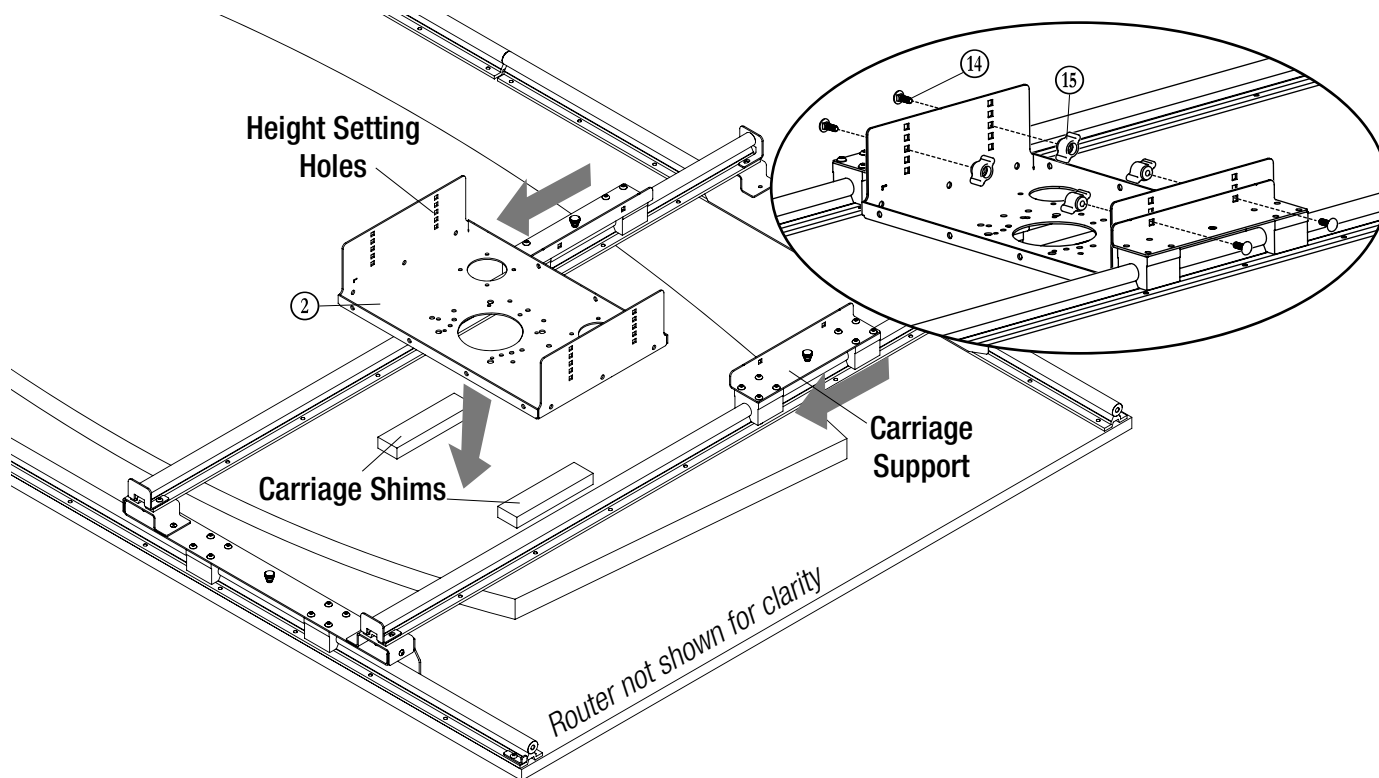


V. MOUNT YOUR ROUTER

Install your router to the carriage by aligning it with the correct mounting holes. Refer to the Router Compatibility Chart and use the correct machine screws ⑫ for your router model.



Compatible Router	Hole #	Screws	Qty
Porter Cable 7518/7519	1	5/16-18	4
Porter Cable 890	3	10-24	3
Festool 2200	4	M6 X 1.00	2
Triton TRA001	1	1/4-20	4
Triton MOF001	1	1/4-20	4
Bosch 1617 EVS (Fixed base only)	3	10-24	3
Bosch MRC23EVSK	3	M4 X 0.7	3
Milwaukee 5625	1	5/16-18	4
Milwaukee 5616	3	10-24	3
DeWalt 618B3	3	8-32	3
DeWalt 625/621	2	M6 X 1.00	3/2*
Makita RF1101	3	10-24	3
Makita RP2301FC	5	M4 X 0.7	4
Hitachi M12v2	6	10-32	4



VI. INSTALL THE ROUTER CARRIAGE

1. With your slab on the table, place two approx. 3/4" thick shims in between the Cross Rails on top of the workpiece.
2. Place the ② Carriage on top of the shims.
3. Slide the Carriage Supports towards the carriage and align height setting holes.
4. Insert a ⑭ Carriage Bolt from the outside, through the Carriage Support and Carriage.
5. Thread a ⑮ Red Knob onto the ⑭ Carriage Bolt. Ensure the shoulder of the carriage bolt is fully seated inside the Height Setting Holes.
6. Repeat for the other three Carriage Bolts and Red Knobs.
7. To ensure the carriage is fully seated, crack all four Red Knobs loose and wiggle the Carriage, then re-tighten all four Red Knobs.

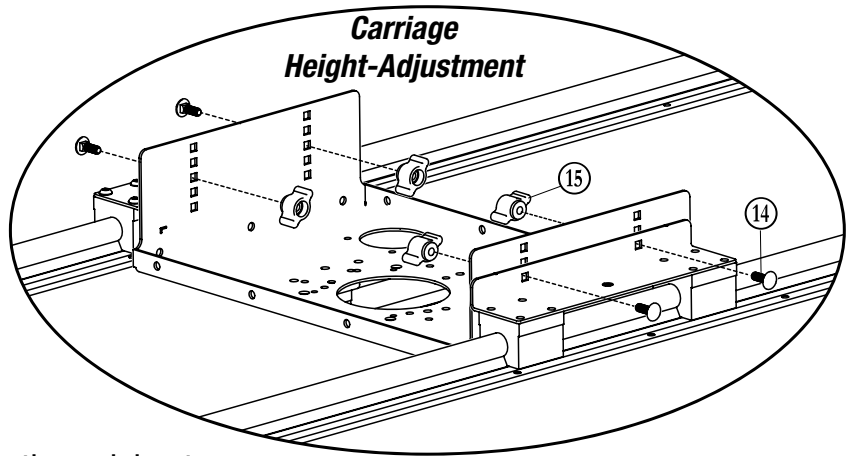
VII. USING YOUR ROUTER SLED 4896

1. Adjusting the Height

- A. Remove both ⑮ Red Knobs from one side of the Carriage.
- B. While supporting the carriage with one hand, remove the two ⑭ Carriage Bolts with your other hand.
- C. Raise or lower the carriage to the desired Height Setting Hole and re-install the Carriage Bolts and Red Knobs.
- D. Repeat for the other side of the carriage.

NOTE

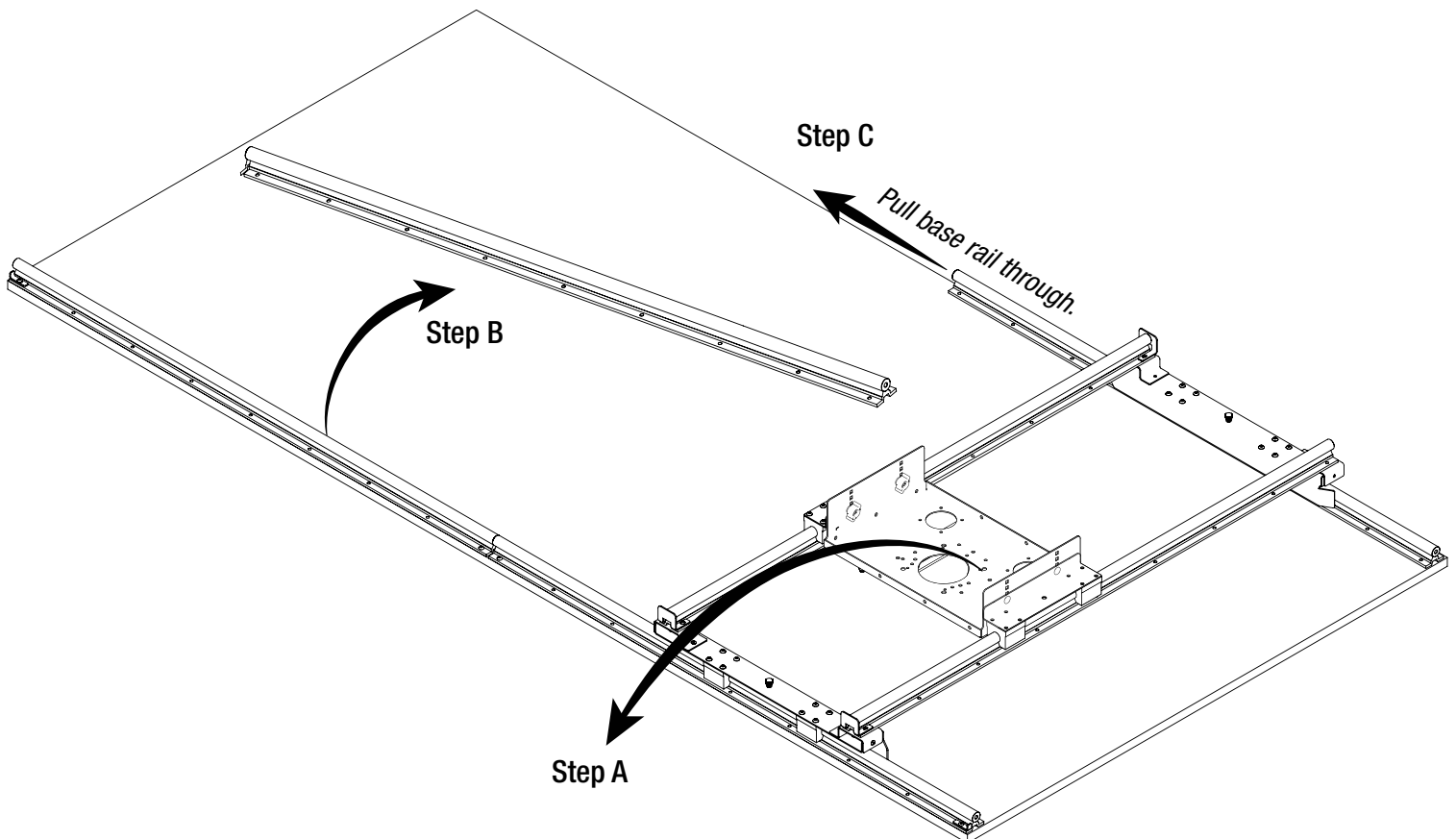
You should be able to raise or lower the Carriage by one or two Height Settings at a time. If raising or lowering by more than two settings, do it one or two settings at a time.



2. Disassembly

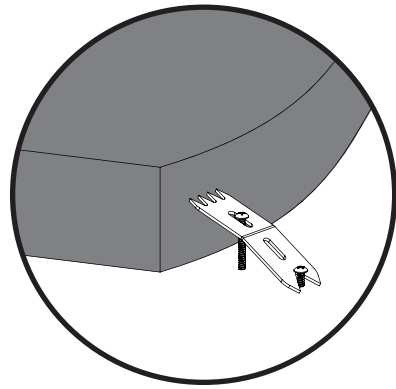
Your desired storage method may vary, but here's the quickest way to disassemble your Router Sled.

- A. Remove the Router Carriage by following Part VI in reverse.
- B. Remove one pair of Base Rails.
- C. Remove the screws from one remaining base rail and slide the base rail through the bearing blocks while supporting the cross rail assembly.
- D. Repeat for the the other base rail.



1. Mounting your slab.

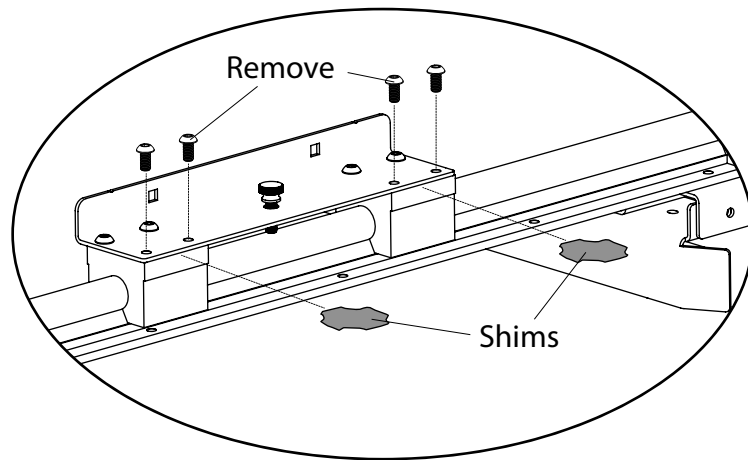
- A. Position your slab roughly centered between the Long V-Rails and no closer than 9" from the ends. Typically, start by cutting what will be the bottom of the finished slab first.
- B. Use the Router Carriage Assembly as a reference point to locate the high and low points on the slab. Shim the slab to eliminate rocking and to level out crowns and twists. There is some "art" involved in this step. Try to shim and brace the slab to maximize the finished thickness and minimize the amount of cutting you must do. When the slab is properly adjusted and stable, install the Slab Clamping Dogs. Put one screw behind the Slab Clamping Dog to position it, then a second through it to lock the slab in place. Make sure the ends of the Slab Clamping Dogs are well below the cutting plane of the router bit.
- C. We recommend a "spoilboard" style router bit. Follow the router bit manufacturer's recommendations for router speed and depth of cut.
- D. Set your router bit on the highest point in the slab. Adjust the depth of cut to remove a conservative amount from that point. It's a good idea to take a light cut and traverse the entire slab carefully to ensure you correctly identified to highest point.
- E. Typically work from right to left, taking approximately one half the router bit width per pass, pushing the router across and back, then stepping to the left again.

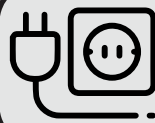


VIII. TROUBLESHOOTING THE FINISH

It is normal to see visible differences between passes. These should be flush and disappear with a light sanding. If you feel ridges between passes, the router bit may be out of tram.

1. First, loosen the four red knobs slightly and manually adjust the carriage. Make sure the carriage is fully bottomed out and the carriage bolts are fully seated in the Height Setting holes. Retighten all four knobs and make a few test passes.
2. If adjusting the carriage does not correct the ridges, install the included plastic shims to fine-tune the carriage alignment.
 - A. Remove the outer two screws from both ends of the Carriage Support. Crack loose the remaining screws.
 - B. Place the shims in between the Carriage Support and the Bearing Blocks. Re-install and tighten the screws.
 - C. Make a few more test passes. If more shims are required, repeat these steps.





WARNING! Always unplug your router (or remove the battery) before making any adjustments. Be sure to read, understand and follow all the manufacturers warnings and instructions prior to using the router or making adjustments.



WARNING! To reduce the risk of injury keep hands away from moving parts. Refer to your power tool manual for proper setup and use.



WARNING! To reduce the risk of injury, wear safety goggles or glasses with side shields, ear protection & a dust mask.

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