

Woodpeckers® TAPER SLED

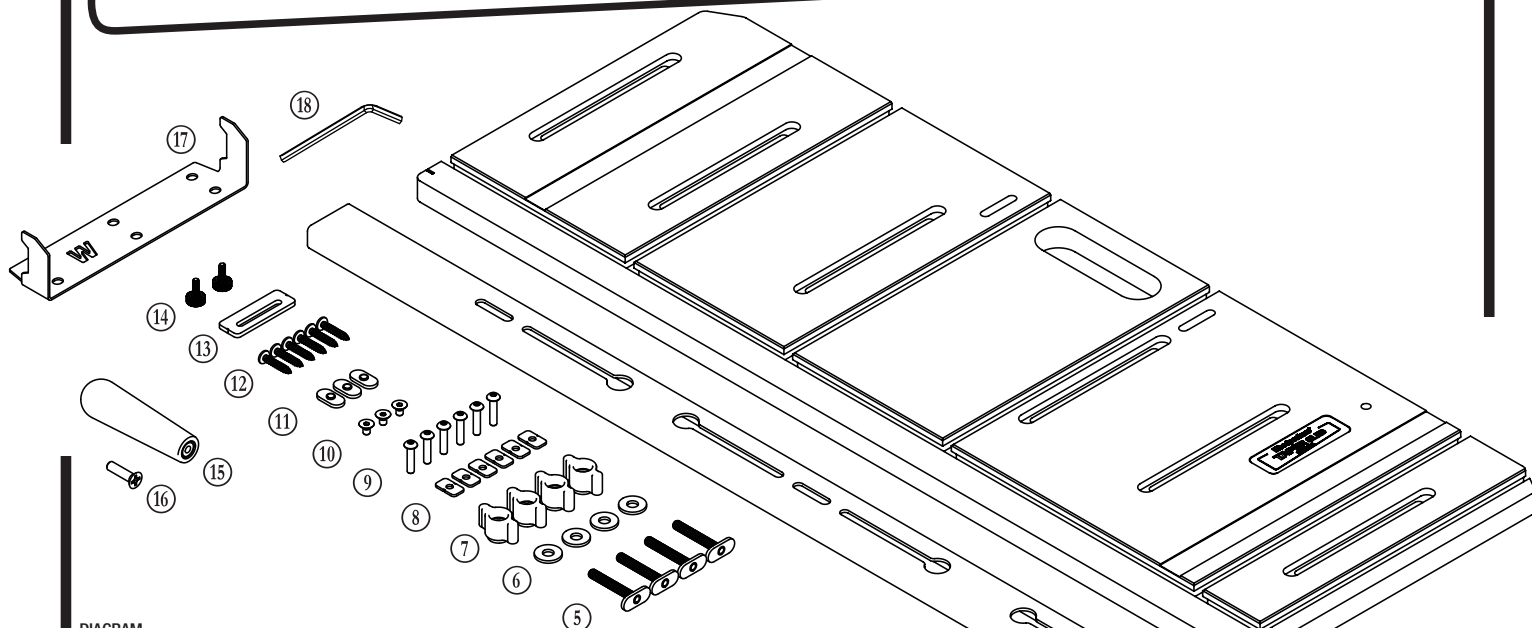
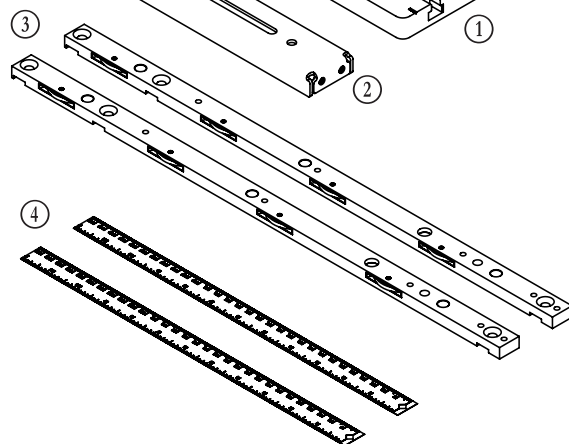


DIAGRAM NUMBER

PART NAME

(QTY)

- | | | |
|---|--|---|
| ① | Sled Base | 1 |
| ② | Fence | 1 |
| ③ | Miter Bar | 2 |
| ④ | Adhesive-Backed Rule Tape | 2 |
| ⑤ | T-Bolt | 4 |
| ⑥ | USS 1/4 Washer | 4 |
| ⑦ | Black Knob | 4 |
| ⑧ | Square Washer | 6 |
| ⑨ | 10-32 x 7/8" Button Head Socket Cap Screws | 6 |
| ⑩ | 10-32 x 5/16" Flat Head Cap Screw | 3 |
| ⑪ | Oval Weld Nut | 3 |
| ⑫ | #10 x 1" Black Pan Head Wood Screw | 6 |
| ⑬ | Fence End Stop | 1 |
| ⑭ | Small Black Knurled Knob | 2 |
| ⑮ | Handle | 1 |
| ⑯ | 1/4-20 x 1 Flat Head Phillips Screw | 1 |
| ⑰ | Rack-It Wall-Mount | 1 |
| ⑱ | 1/8" Hex Key | 1 |



Knuckle Clamp Kit

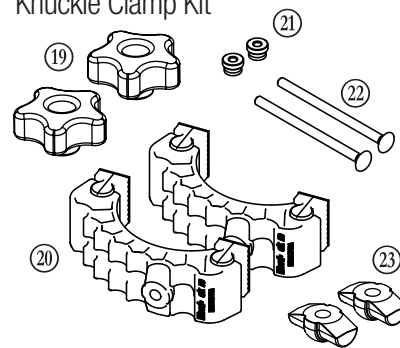


DIAGRAM NUMBER

PART NAME

(QTY)

- | | | |
|---|-----------------------------|---|
| ⑲ | Large Red Knob | 2 |
| ⑳ | Knuckle Clamp Body | 2 |
| ㉑ | Small Black Knurled Nut | 2 |
| ㉒ | Knuckle Clamp Carriage Bolt | 2 |
| ㉓ | Knuckle | 2 |



Scan the QR code above
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or visit woodpeck.com
under the video tab towards
the bottom of the product page.

If you think you're missing anything, email us at mailroom@woodpeck.com.
Or, check the "Manuals" tab on the product page for an updated manual.
You can also call us at 800-752-0725 from 9:00 a.m. to 4:00 p.m. EST Monday - Friday.

I. ASSEMBLE THE SLED BASE

AT THIS POINT YOU WILL NEED:

- ① (1) Track Clamp Sled Base
- ③ (2) Miter Bar
- ④ (2) Adhesive-Backed Rule Tape
- ⑧ (6) Square Washer
- ⑨ (6) 10-32 x 7/8" Button Head Socket Cap Screws
- ⑩ (3) 10-32 x 5/16" Flat Head Cap Screws
- ⑪ (3) Oval Weld Nut
- ⑮ (1) Handle
- ⑯ (1) 1/4-20 x 1 Flat Head Phillips Screw

A. The two miter bars come with removable washers for T-Track miter slots. If you have square miter slots, proceed to Step B.

1. Arrange the two ③ Miter Bars in the same direction so that the ⑧ leaf springs are facing the same direction. **FIGURE A.**

2. At the *front* of one bar, install two ⑩ Flat Head Cap Screws through the counter-sunk holes and into the two ⑪ Oval Weld Nut. **FIGURE A-1.**

3. At the *rear* of the other bar, install one ⑩ Flat Head Cap Screw through the counter-sunk hole and into one ⑪ Oval Weld Nut. **FIGURE A-2.**



PRO TIP

The rear washer keeps the sled from tipping off the table as the sled passes the blade.

B. Install the Miter Bars to the Taper Sled

1. Arrange the two ③ Miter Bars in the same direction so that the ⑧ leaf springs are facing LEFT. Arrange the Sled Base so that the carry handle is opposite the leaf springs. **FIGURE B.**

2. Loosely install six ⑨ Button Head Socket Cap Screws and ⑧ Square Washers through the counter-bored slots in the ① Sled Base and into the two ③ Miter Bars. **FIGURE B-1.** If using the T-Track washers, take note of the location. The washers should be outside of the Sled Base. You can leave the screws loose until calibration.

D. Install the Fence Positioning Scales

1. Remove the adhesive backing from the two lengths of ④ Rule Tape.

2. Install the tape in the two shallow recesses with the "0" aligned with the side wall on the track clamp slot. Cut the waste from both ends using a new, sharp blade. **FIGURE C & C-1.**

NOTE

The scales are only intended for relative fence positioning, not distance to blade.

FIGURE A

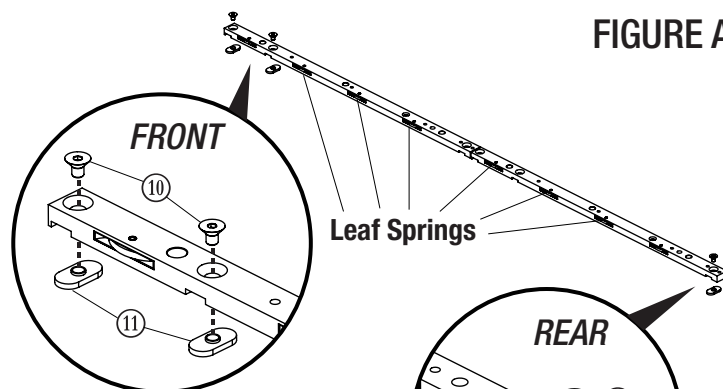


FIGURE A-1

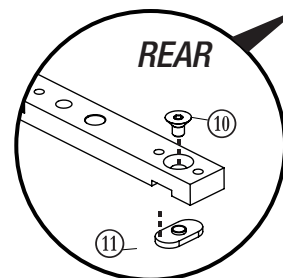


FIGURE A-2

FRONT

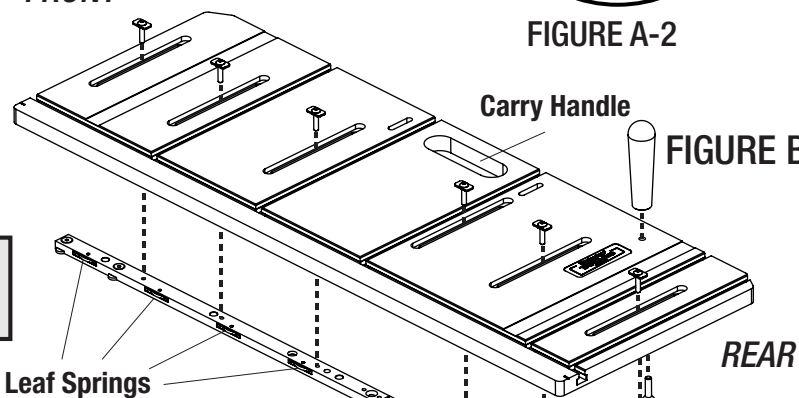


FIGURE B

Leaf Springs

REAR

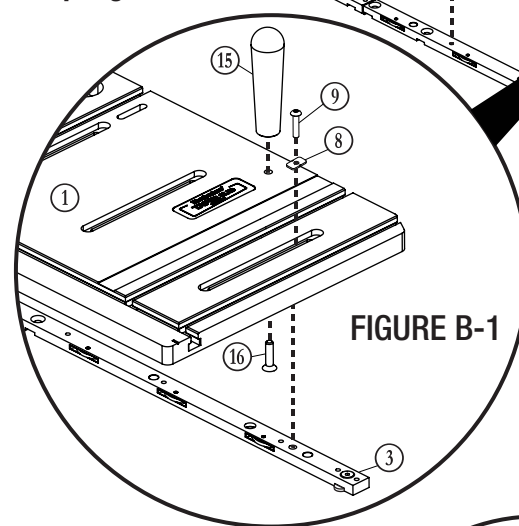


FIGURE B-1

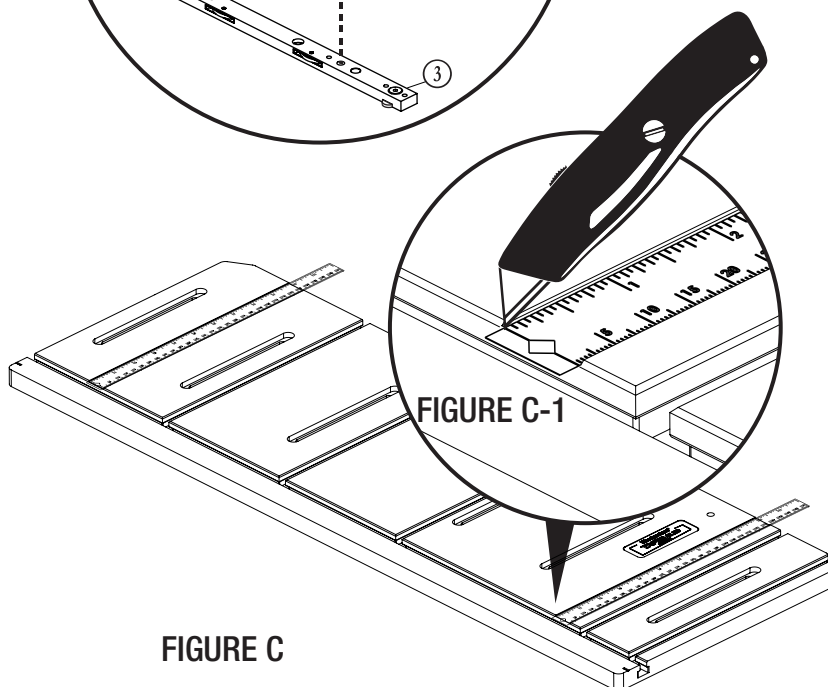


FIGURE C

II. ASSEMBLE AND INSTALL THE FENCE

AT THIS POINT YOU WILL NEED:

- ② (1) Fence
- ⑤ (4) T-Bolt
- ⑥ (4) USS Washer
- ⑦ (4) Black Thumbturn Knob
- ⑬ (1) End Stop
- ⑭ (1) Small Black Knurled Knobs

A. Install Fence Clamps and End Stop.

1. Install the ⑬ End Stop onto the ② Fence by guiding the ⑭ Knurled Knobs through the slot and into the tapped holes at the rear of the fence. **FIGURE D-2.** Ensure the wider side of the notch faces up.

2. Assemble the Fence Position Knobs by guiding the ⑤ T-Bolts through the appropriate slots. **FIGURE D.** Install all three ⑥ USS Washers and three ⑦ Thumbturn Knobs onto the Welded T-Bolts. **FIGURE D-1.**

2. Install the Fence onto the Sled Base by guiding the ⑤ Fence Position Knobs into the appropriate slots. **See FIGURE E.**

3. When the fence is at the desired location, lock all three Fence Position Knobs by turning clockwise. Tighten snugly, but do not overtighten which may damage the tracks.

3. We included an additional Fence Position Knob Assembly for you to use when making your own stop. See Part IV.C for details.

B. Install the Handle

1. Thread the ⑯ Flat Head Phillips Screw through the hole on the underside of the ① Sled Base and into the ⑮ Handle and firmly tighten. **FIGURE E-1.**

III. KNUCKLE CLAMPS

AT THIS POINT YOU WILL NEED:

- ⑰ (2) Large Red Knob
- ⑳ (2) Knuckle Clamp Body
- ㉑ (2) Small Black Knurled Nut
- ㉒ (2) Knuckle Clamp Carriage Bolt
- ㉓ (2) Knuckle

A. Assemble the two Knuckle Clamps.

1. Assemble the clamp by threading the ㉓ Small Black Knurled Nut onto the ㉑ Knuckle Clamp Carriage Bolt. Spin it clockwise to lower the nut until it bottoms out against the square neck. **FIGURE F.**

2. Place a ㉒ Knuckle in one of the grooves on the Knuckle Clamp body and guide the ㉑ Knuckle Clamp Carriage Bolt from underneath through the hole. Install a ⑰ Large Red Knob on the Carriage Bolt to secure the assembly. **FIGURE F.**

B. Install the Knuckle Clamps onto the Fence.

1. Guide the head at the bottom of the ㉑ Knuckle Clamp Carriage Bolt into the enlarged opening of one of the keyhole slots. When the Clamp is at your desired position, turn the ⑰ Large Red Knob clockwise until tight.

C. Using the Knuckle Clamps

1. When clamping your workpiece to the sled, slightly angle the the knuckle clamp towards the material. When tightening the clamp, the design will pull your material into the fence. Conversely, the opposite angle can push your material away from the fence. **FIGURE G.**

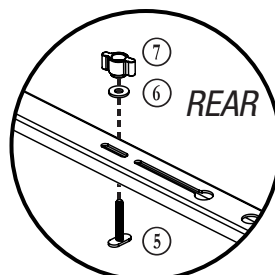


FIGURE D-1

FIGURE D-2

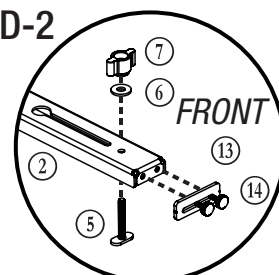


FIGURE D

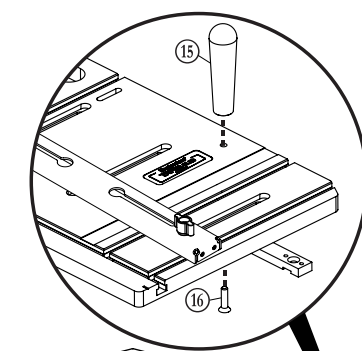


FIGURE E-1

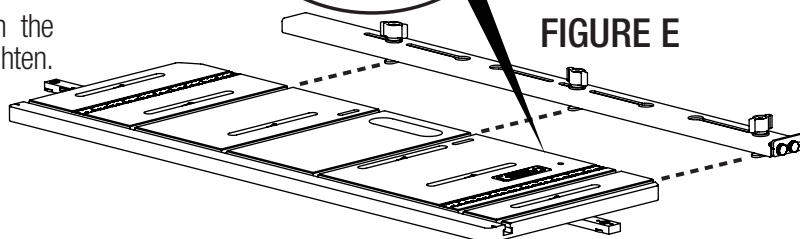


FIGURE E

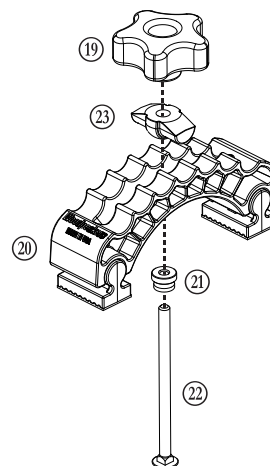


FIGURE F

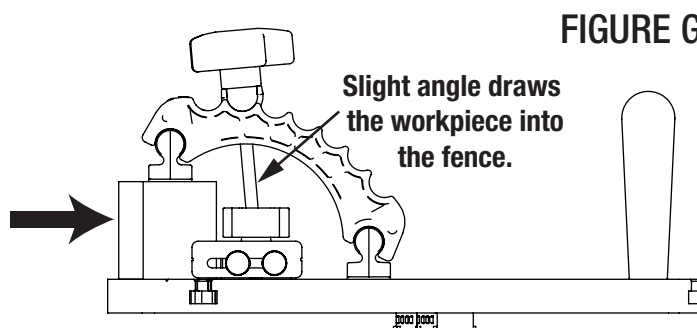


FIGURE G

NOTE

The thick-gauge steel fence will not deflect, delivering tremendous clamping pressure.

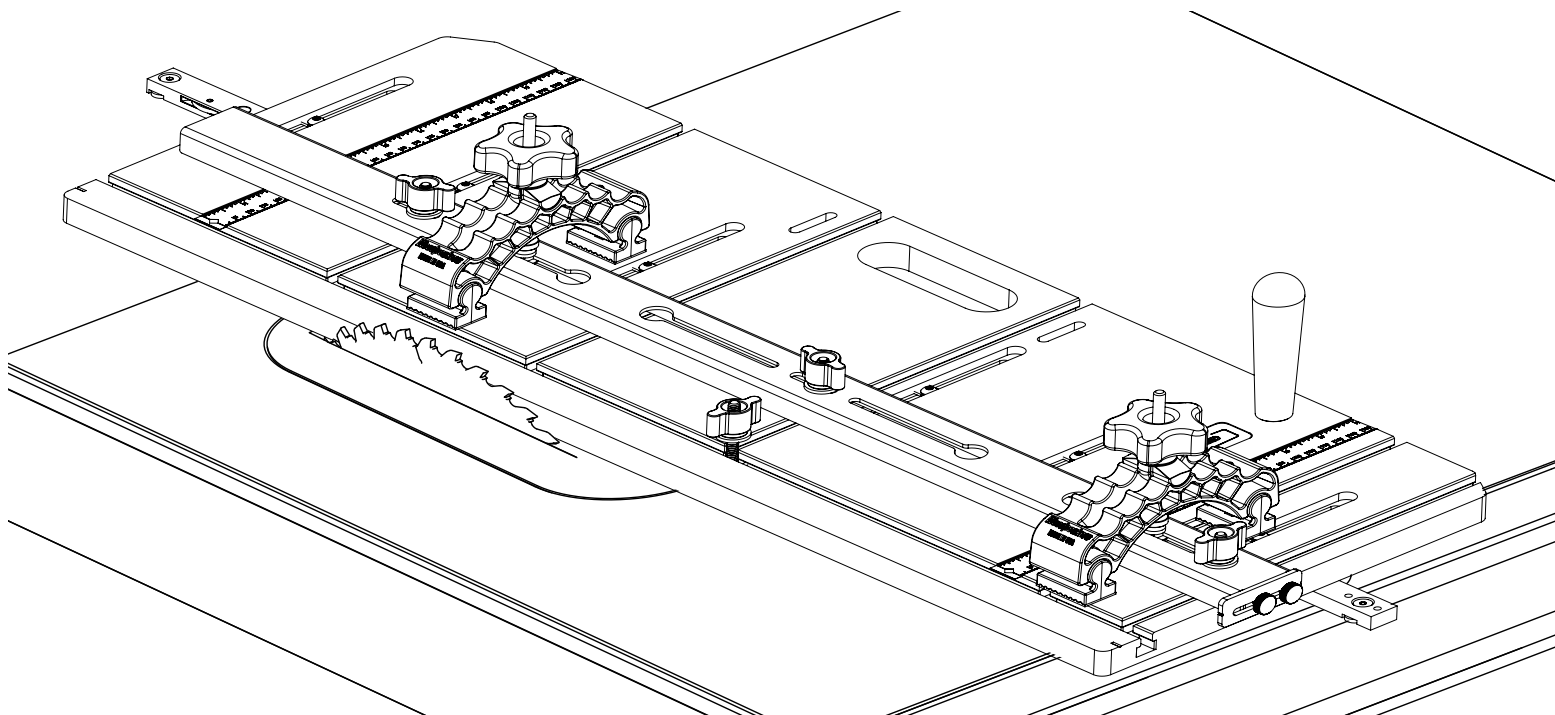
IV. CALIBRATION & OPERATION

Calibrating the Taper Sled is quick and simple. As with any table saw jig, the accuracy of the resulting cuts relies on accurate table saw setup. Prior to calibrating and using the Taper Sled, ensure your saw blade is parallel to the miter slot.

A. Setting the Sled Parallel to your Blade.

1. Guide the Taper Sled into the miter slot on your table saw.
2. Loosen all six screws securing the miter bar to the Sled Base.
3. Raise your saw blade all the way and position the Taper Sled adjacent to the saw blade.
4. Slide the Taper Sled so that the edge is touching both the front and back teeth of the saw blade, then tighten all six screws securing the miter bars. **FIGURE H.**

FIGURE H



B. Cutting your Sled for Zero-Clearance

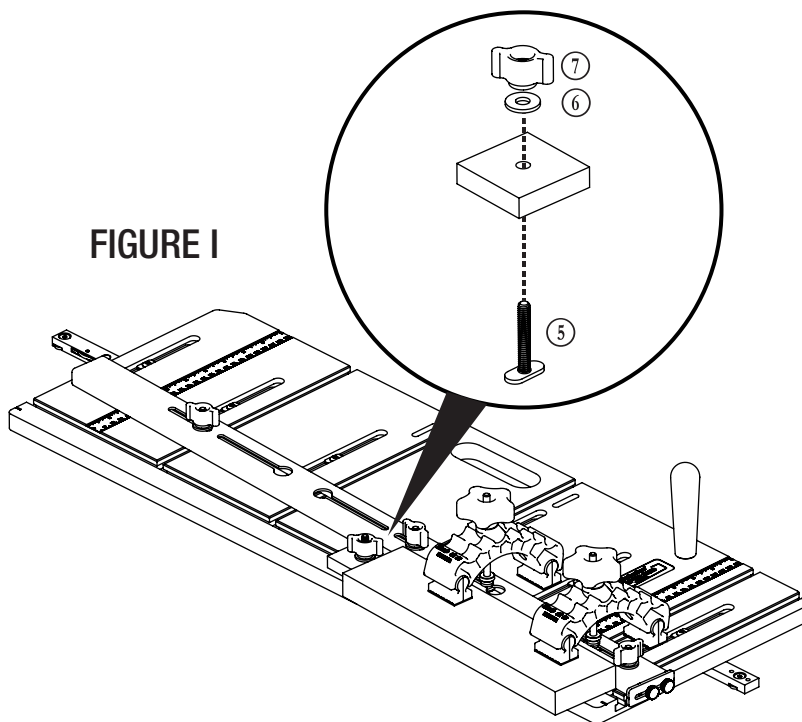
1. You can trim up to 1/2" from the edge of the Taper Sled to make a zero-clearance edge to eliminate bottom-side chipping. Do not cut past the notches scribed into the Sled Base as it will decrease the stability of the adjacent track slot.

C. Using Stops

1. The End Stop on the Taper Sled's fence accommodates workpieces where the small end of the taper is between about 1" and 3". Use caution as the end stop is stainless steel and will damage your blade if cut.

2. You can make your own sacrificial end stop to replace the stainless steel end stop.

3. As an alternative to the End Stop on the fence, make an adjustable stop using scrap material. Drill a 5/16" hole through the stop and use the extra Fence Position Knob and clamp to the Sled Base using the track parallel to the blade. **FIGURE I.**



V. USING YOUR TAPER SLED

With your Taper Sled assembled and calibrated, you're ready to make some cuts.

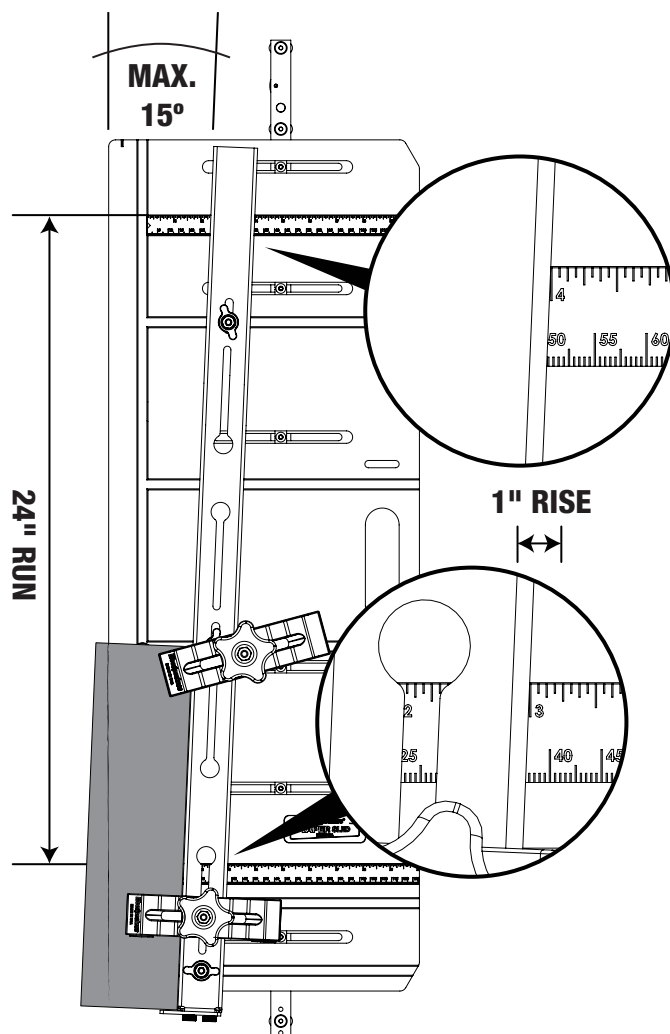
A. Set your Taper

1. Whether you have a predetermined angle or you are trying to match an existing angle, the scales are located precisely 24" apart for easy angle setting. Just calculate rise and run of the angle (over two feet) and set both sides of the fence accordingly.

2. In the example shown in **FIGURE J**, the leading side of the fence is set to 4" and the trailing side of the fence is set to 3", resulting in a 1/2" per foot taper (2.3°). The Taper Sled can be set to a maximum of 15°.

3. With your angle set, adjust your workpiece so that the entry point aligns to the blade (or your zero-clearance edge, see Part IV.B). Adjust the knuckle clamps so both are sufficiently clamping the workpiece and tighten the clamps.

4. Make the cut. If you need to take a little more off, move the workpiece towards the rear. When you're satisfied with the setting, set a stop for repeatable results.



PRO TIP

You can do the angle calculations yourself, but we found a handy website that can do it for you. Scan the QR Code or visit the webpage below.
<https://calculator.academy/angle-pitch-calculator/>



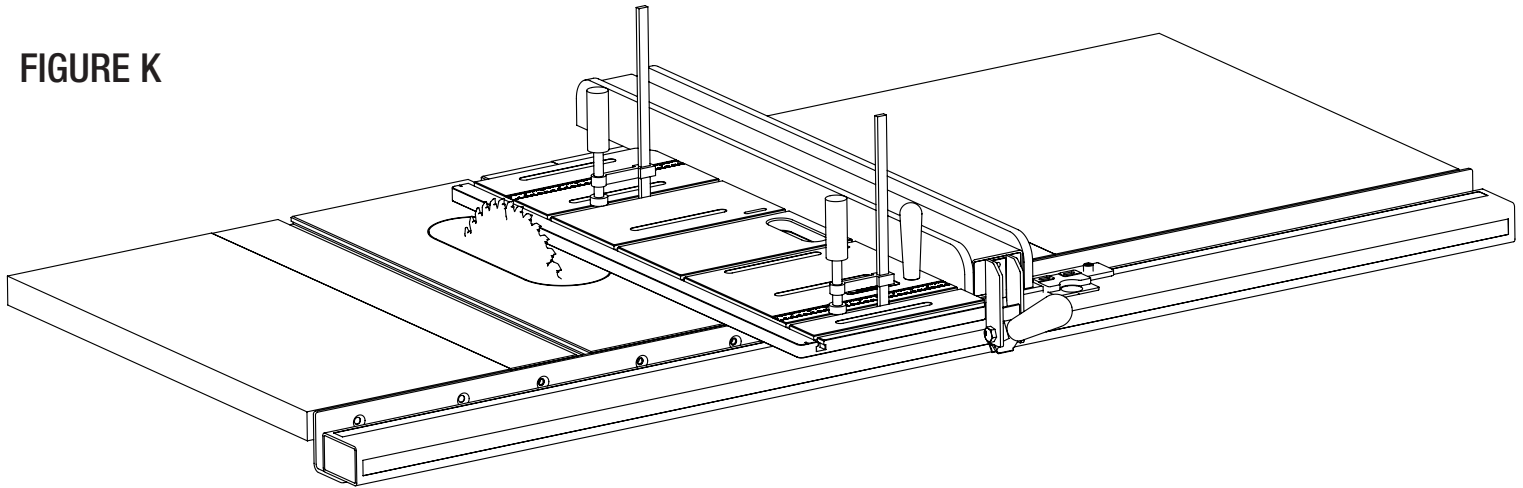
B. Straight Line Ripping

1. You can use your Taper Sled to make a straight-line rip on material that isn't already squared, like natural edge boards or rough lumber.
2. For wide boards, remove the fence. For longer boards, you may find that you need more clamps. The tracks are perfectly sized for standard T-Slot style track clamps. Additional Track Clamps and Knuckle Clamps are available on our webpage (See Additional Products on last page).

C. Using the Taper Sled Against the Fence

1. If you have a project too wide for the Taper Sled to run in the miter slot, simply remove the miter bars and run the Taper Sled against your fence. **FIGURE K.** Remove the six screws and square washers installed in Part I.B. When you're ready to re-install, follow the same steps and ensure the miter bars are installed in the proper orientation.

FIGURE K



IV. INSTALLING THE RACK-IT®

- A. Find a suitable location to mount the Rack-It. The weight of the Taper Sled requires a stud, plywood, or other sturdy backing in order to mount the Rack-It.
- B. We've included six wood screws for mounting the Rack-It. Mark the first hole on the wall and drill the first pilot hole using a 3/32" bit.
- C. Place the Rack-It on the wall and align one of the center holes with your drilled pilot hole. Drive the first screw, leaving it slightly loose.
- D. Make sure the Rack-It is level and mark a second hole location. Drill the second 3/32" pilot hole and then drive a second screw and finish driving the first screw. Then, repeat for the remaining screws.



Woodpeckers®

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OUR OTHER PRODUCTS WE THINK YOU'LL LOVE...

DESCRIPTION	SKU
Ultra-Shear® 40-Tooth Cross-Cut & Rip Blade	US1040ATBFK
Semble® Screw-Type Track Clamps (4-pk)	G20KP-4
Semble® Ratcheting Track Clamps (4-pk)	G20KL-4P
Woodpeckers® Sliding Bevel Gauge & Bevel Block	SBG-DEL-23
Woodpeckers® Joinery Sled	JSLED



WARNING! To reduce the risk of injury keep hands away from moving parts. Refer to your owners 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.

Woodpeckers®

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WARNING!

This product can expose you to chemicals, including chromium, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov