

Tech Bulletin – Tenoning Jig 29840

As previously reported, the instructions for the jig include an erroneous reference to a method for adjusting the vertical work support plate (C) to make it parallel to the saw blade. Per the manufacturer this step is no longer necessary due to a redesign of the jig; the set screws referred to no longer exist (reference section “Aligning Tenoning Jig”, step 7).

Also, before starting this procedure, verify that the miter gauge slot in the table saw is at least 4” away from the saw blade. If the slot is not at least 4” away from the blade, the jig will not function properly – the fine adjustment range will be reduced, and the Stop Rod will not be able to prevent the jig from possibly coming into contact with the saw blade.

Supplemental Notes for Jig Alignment Process

Issue: In the “Aligning Tenoning Jig” section of the instructions, there have been reports of confusion regarding steps 5 through 11. The confusion appears to arise from two sources: the erroneous step 7 (see notes above), and the assumption by the instructions that parts of the jig are in a specific initial state before steps 5 through 11 are applied. If the jig is not in the assumed state before the instructions are executed, the process fails. This bulletin will describe how to recreate the assumed state and complete the jig alignment process.

Resolution: There are three different settings addressed in these steps: setting the pointer, setting the travel stop, and setting the fine-adjustment range of travel.

- 1) Loosen the Jig Locking Lever (J) and the Fine Adjustment Range Locking Lever (K) shown in Figure 8 of the instructions.
- 2) Loosen the unidentified round knob atop the Guide Rod, shown between Fine Adjustment Knob (M) and lever (K) in Figure 8.
- 3) *Refer to the exploded parts view in the instructions as necessary.* Slide the jig as needed so that the end of the Guide Rod (part 22) is flush with the outside end of the round painted bracket (part 21). Tighten the round knob atop the Guide Rod.
- 4) Locate the Stop Rod (part 8, ‘screw’ G in Figure 9), and remove it from the jig.
- 5) Position the jig in the saw’s miter slot so that it is *not* adjacent to the saw blade; then, with the Jig Locking Lever (J) and the Fine Adjustment Range Locking Lever (K) still loose, slide the jig toward the blade side of the saw as far as it will go. It should slide over until the shaft of the Jig Locking lever (J) is up against the end of the oblong slot milled into the Jig Body (L).
- 6) Re-install the Stop Rod, and thread it in just until it bottoms out against the shaft of the Jig Locking lever (J) – then thread it in one more full turn.
- 7) Thread the jam nut on the Stop Rod, so that it is all the way at the very end of the rod that is away from the Jig Body.
- 8) With the Jig Locking Lever (J) and the Fine Adjustment Range Locking Lever (K) still loose, turn the Fine Adjustment Knob (M) counter-clockwise until the flange on the end of the Bushing Guide Rod (part 16) rests against the Jig Body (L).
- 9) Tighten the Fine Adjustment Range Locking Lever (K).
- 10) Turn the Fine Adjustment Knob (M) clockwise until the Work Support Plate (C) is retracted completely over the Jig Base Plate.



- 11) Position the jig in the saw's miter slot so that it is adjacent to the saw blade.
- 12) Turn the Fine Adjustment Knob (M) counter-clockwise until the Work Support Plate (C) is just touching the saw blade.
- 13) See Figure 10. Loosen the Screw (S) and adjust the Pointer (T) to the 0" mark on the scale.
- 14) Turn the Fine Adjustment Knob (M) clockwise a few turns to bring the Work Support Plate (C) 1/8" away from the saw blade.
- 15) Thread the Stop Rod into the jig until it bottoms out against the shaft of the Jig Locking lever (J); then tighten down the jam nut on the Stop Rod with a wrench. This setting will prevent the jig from moving into the blade.
- 16) Loosen the Fine Adjustment Range Locking Lever (K), and tighten the Jig Locking Lever (J).
- 17) Turn the Fine Adjustment Knob (M) clockwise; this will cause the Bushing Guide Rod (part 16) to withdraw from the Jig Body. Continue turning the knob until the flange on the end of the Bushing Guide Rod is positioned midway between the Jig Body and the pair of locknuts on the threaded shaft (part 12).
- 18) Tighten the Fine Adjustment Range Locking Lever (K),

