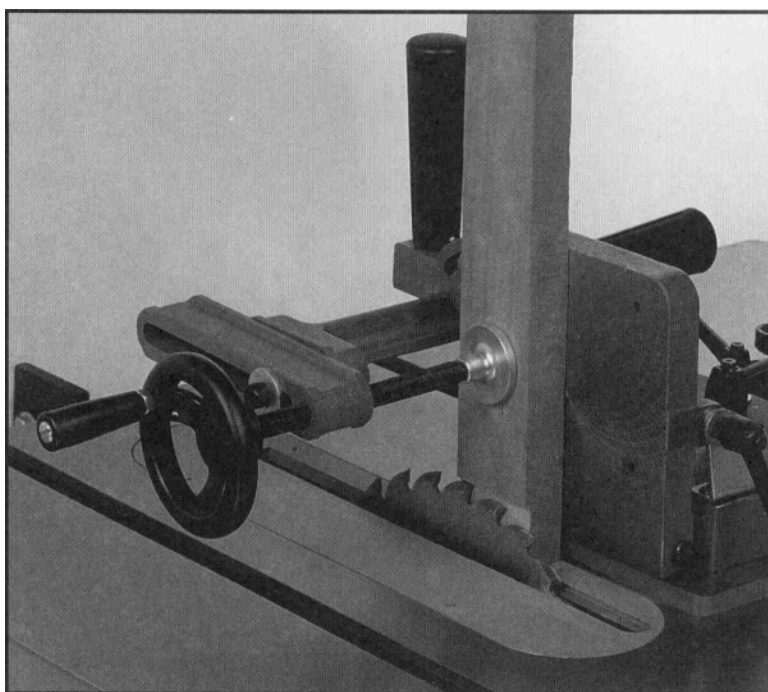


Garrett Wade

Technical Memo T15

Re: 18P04.06

# TENONING JIG MANUAL



Instructions  
Maintenance  
Assembly

*For further assistance, call the Garrett Wade Technical Department at 800 221 2942, or email us at [mail@garrettwade.com](mailto:mail@garrettwade.com)*

# SAFETY RULES

1. Read all safety rules and maintenance instructions found in this manual.
2. Keep work area around workpiece clean and tidy .
3. Wear appropriate eye protection at all times to protect your eyes while processing workpiece, Safety Goggles or glasses.
4. Keep both hands on handles when operating Tenoning jig.
5. Make sure workpiece is securely clamped in place and all locks are properly tightened.
6. Make certain the machine is powered off before attempting to perform maintenance or adjustments to this tool.
7. Remove jewelry and roll up sleeves above elbows. Confine hair and loose clothing.
8. Do not use this tool for other purpose than its intended use. Do not force the tool or attachment to do a job for which it was not designed.
9. The dust generated from certain wood and wood products can be hazardous to your health. Take necessary precaution to work in a ventilated environment or use wood collection systems when-ever possible.

*For further assistance, call the Garrett Wade Technical Department at 800 221 2942, or email us at [mail@garrettwade.com](mailto:mail@garrettwade.com)*

## UNPACKING

Carefully unpack Tenoning jig and all loose items. Figure 2 illustrates all supplied with the Tenoning jig.

1. Base and Vertical Work Support Assembly
2. Clamp Assembly
3. Handwheel
4. M8 Flat Washer
5. M8 × 50mm Socket Head Screw
6. Clamp Arm
7. M10 Lockwasher
8. M10 × 25mm Socket Head Screw
  - M3 Allen Wrench
  - M4 Allen Wrench
  - M6 Allen Wrench
  - M8 Allen Wrench
  - Not Shown

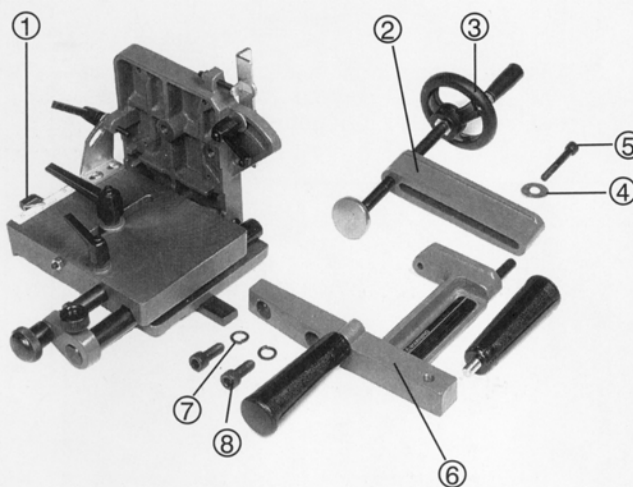


FIGURE 2

## ASSEMBLY

1. Fasten clamp arm (A), figure 3, to the back of the work support plate using two M10 × 25mm socket head screws (B) and lockwashers, as shown.

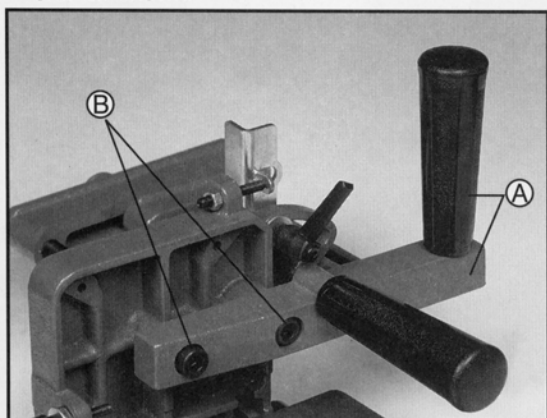


FIGURE 3

2. Fasten clamp assembly (C), figure 4, to clamp arm (A) using the M8 × 50mm socket head screw (D) and flat Washer (E), as shown.

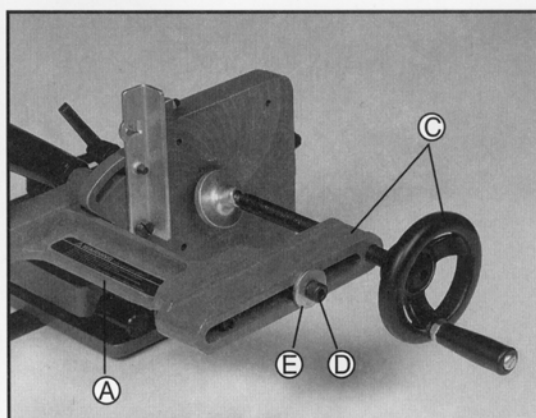


FIGURE 4

## ALIGNING TENONING JIG

1. Place the tenoning jig guide bar (A), figure 5, into the left miter gauge slot.

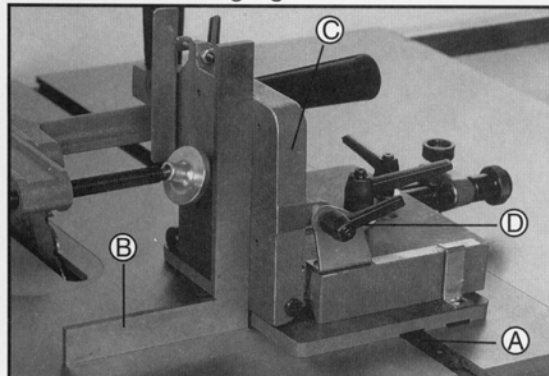


FIGURE 5

2. Using a square (B), figure 5, check to see if the vertical work support plate (C) is 90 degrees to the table. If an adjustment is necessary loosen lock handle (D), move vertical work support plate (C) until it is 90 degrees to the table and tighten lock handle (D). NOTE: Lock handle (D) is springloaded and can be repositioned by pulling out on the handle and repositioning it on the nut located underneath the handle.

For further assistance, call the Garrett Wade Technical Department at 800 221 2942, or email us at [mail@garrettwade.com](mailto:mail@garrettwade.com)

3. With the vertical work support plate. (C). figure 6 adjusted at 90 degrees to the table tighten set screw (w) until it bottoms.

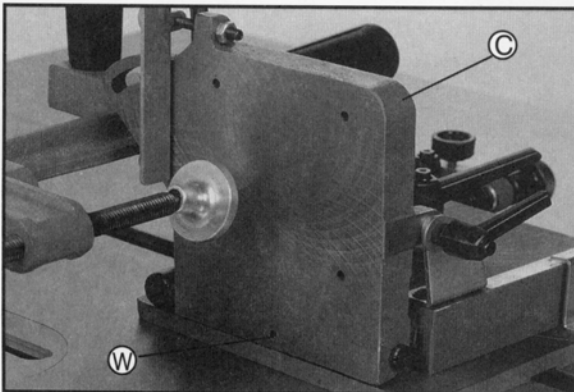


FIGURE 6

5. Loosen two lock levers (J) and (K). figure 8 and move jig (L). until vertical work support plate (C) is against saw blade and tighten lever (J).

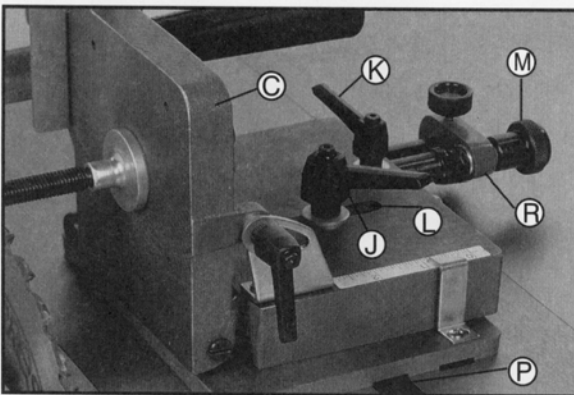


FIGURE 8

11. Loosen screw (S). figure 10. and adjust pointer (T) to the 0" mark on scale.

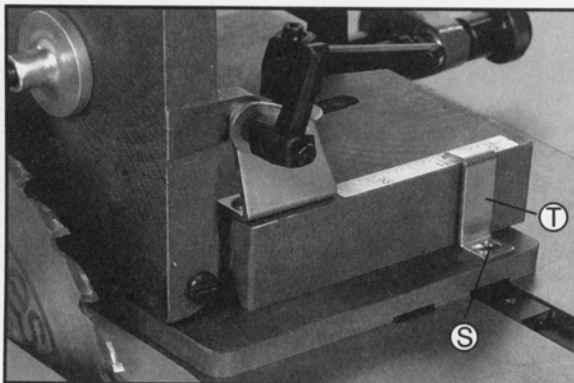


FIGURE 10

4. Using square (B). figure 7. check to see if the face of the backstop (E) is 90 degrees to the saw table if an adjustment is necessary. loosen lock lever (F) adjust backstop (E) accordingly and tighten lever (F).

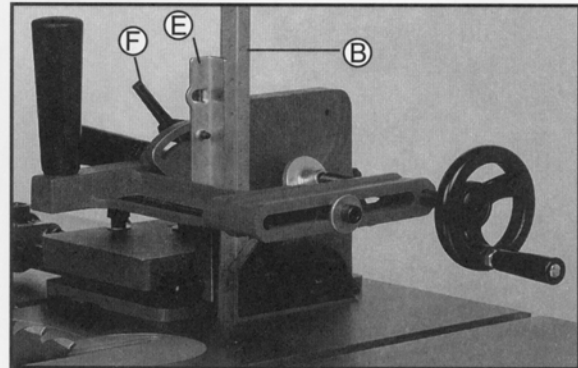


FIGURE 7

6. Check to see if the vertical work support plate. (C) figure 8 is parallel with the saw blade.

7. If an adjustment is necessary, loosen lever (J). figure 8 and rotate knob (M). clockwise as far as possible to align holes (N) with guide bar (P) and gain access to set screws from underneath the jig. Loosen two screws inside holes (N) and move jig (L) until vertical work support plate (C) is parallel with the saw blade then tighten the two screws inside holes (N).

8. Move jig (L) figure 8. 1/8" away from blade so vertical work support plate (C) clears saw blade tighten lever (J).

9. Rotate knob (M). figure 8 . counterclockwise until collar (R) is halfway between knob (M) and side of jig (L) tighten lever (K).

10. Turn screw (H) figure 9 clockwise until it bottoms This prevents the vertical work support plate (C) from accidentally being moved into the blade. tighten nut (G).

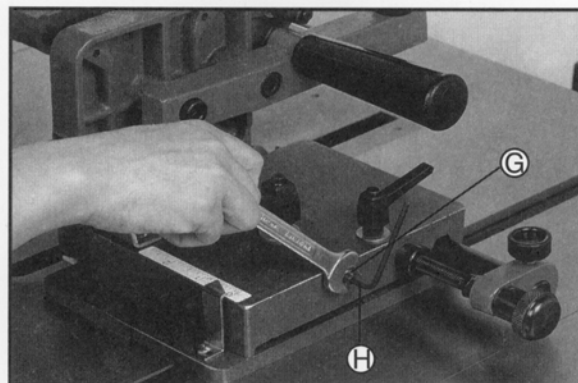


FIGURE 9

For further assistance, call the Garrett Wade Technical Department at 800 221 2942, or email us at [mail@garrettwade.com](mailto:mail@garrettwade.com)

## OPERATION

1. For rapid adjustment of the work support plate (A) figure 11 toward or away from the saw blade. loosen levers (B) and (C) and move jig (D) as necessary . Tighten levers (B) and (C) after rapid adjustment is made.

2. Fine adjustment of the work support plate (A) figure 11. can be accomplished by loosening lever (B) and rotating knob (E) until plate (A) is at the desired position. Tighten lever (B) figure 11 after fine adjustment is made.

3. To tilt the vertical work support plate (A) figure 11 loosen lock lever (J). tilt vertical work support plate to the desired angle and tighten lock lever (J).

4. To adjust backstop (F) for angle tenons. Loosen lock lever (G). adjust backstop (F) to the desired angle and tighten lever (G).

5. Figure 13 illustrates a typical straight tenon being cut.

**IMPORTANT:** Work should be clamped to work support plate (A) with clamp (H) at all times and both hands should be on operating handles doing operation.

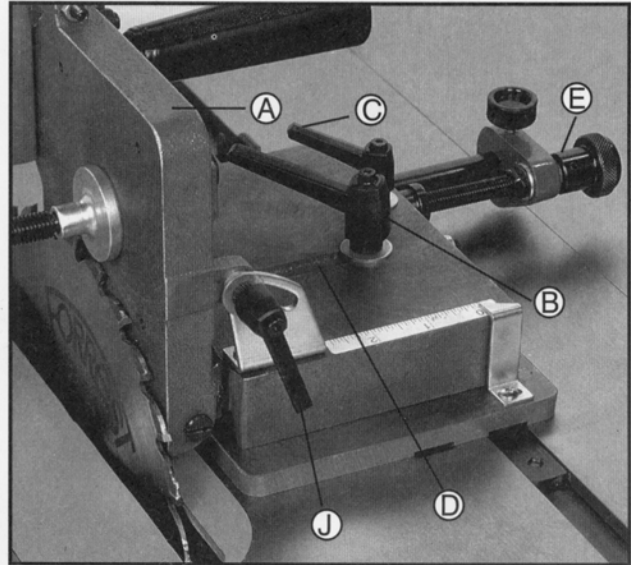


FIGURE 11

6. Figure 14 illustrates a straight tenon being cut on a workplace with an angle on the bottom. The backstop has been adjusted to the proper angle to support the workpiece.

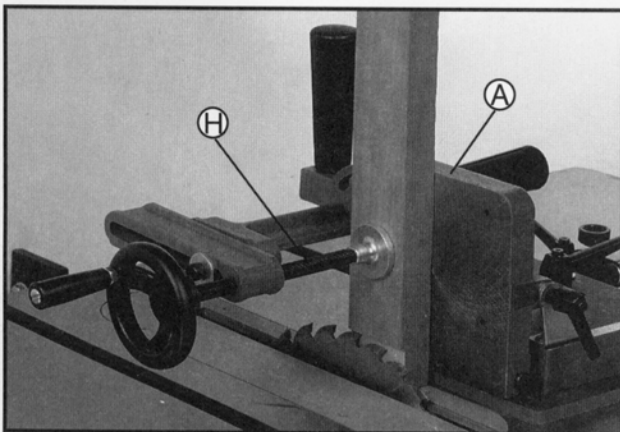


FIGURE 13

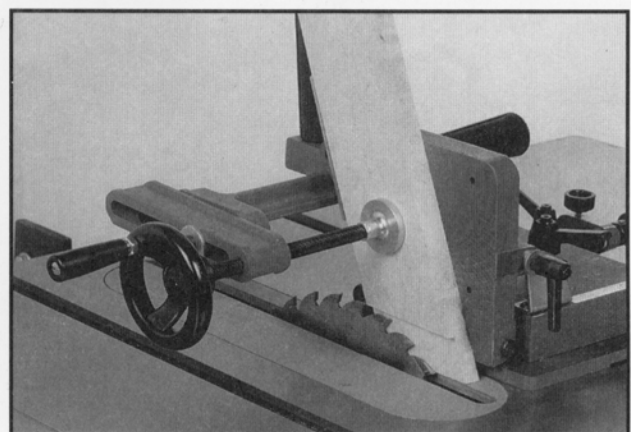
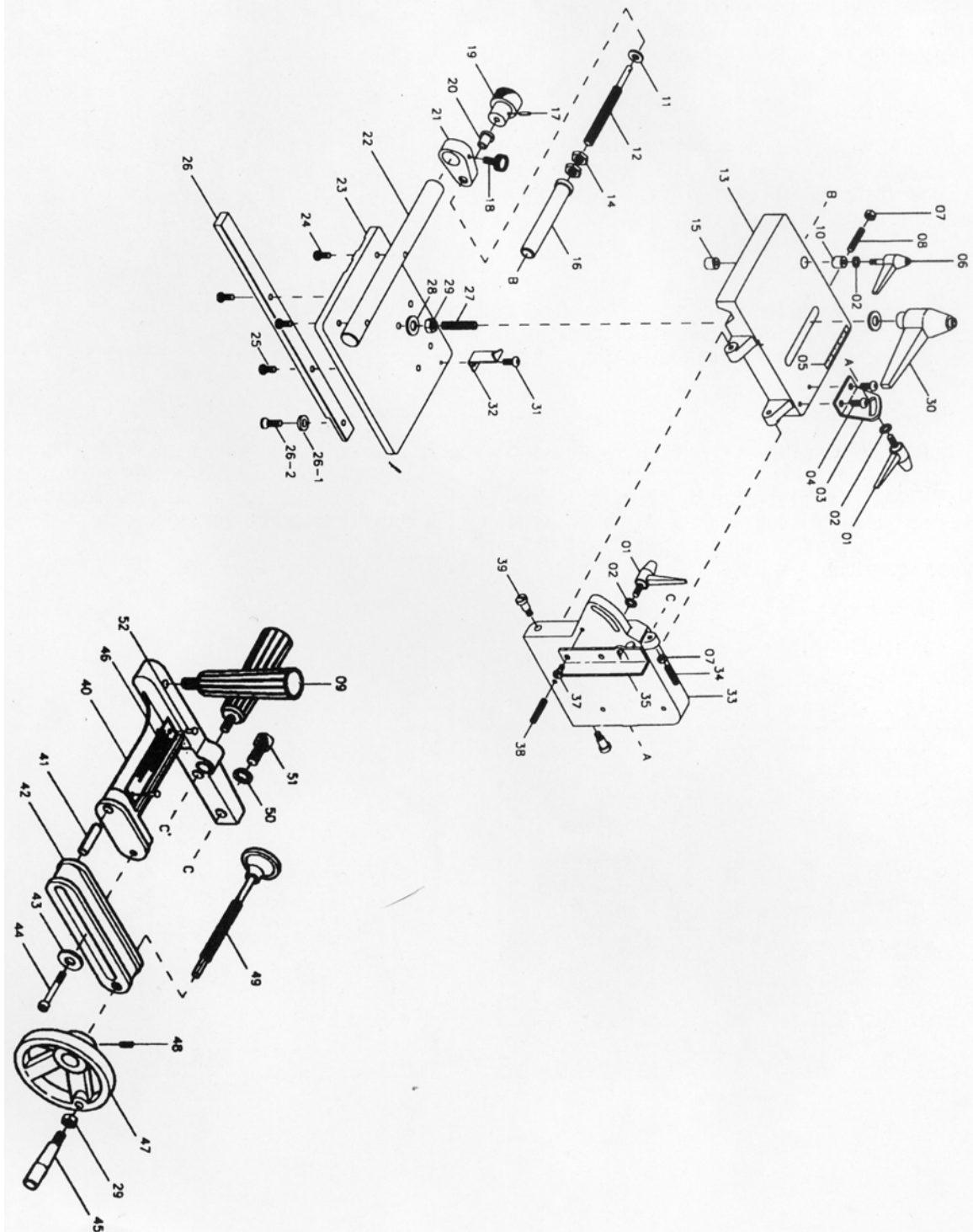


FIGURE 14

*For further assistance, call the Garrett Wade Technical Department at 800 221 2942, or email us at [mail@garrettwade.com](mailto:mail@garrettwade.com)*

# EXPLODED VIEW



For further assistance, call the Garrett Wade Technical Department at 800 221 2942, or email us at [mail@garrettwade.com](mailto:mail@garrettwade.com)

## TENONING JIG PARTS LIST

01	LEVER LOCK	29	NUT, HEX
02	WASHER, FLAT	30	LOCK, LEVER
03	BRACKET	31	SCREW, PAN HD
04	SCREW ,CAP	32	POINTER
05	SCALE	33	TABLE, VERTICAL
06	LEVER, LOCK	34	SET SCREW
07	NUT,HEX	35	STOP
08	SCREW, SET,HEX, SOC.	36	NUT,SQ.HD.
09	HANDLE	37	SCREW
10	BUSHING, LOCK	38	SCREW, SET, HEX, SOC.
11	WASHER, HYLON	39	SCREW
12	SHAFT	40	BRACKET, CLAMP
13	SLIDE	41	PIN, ROLL
14	NUT, HEX	42	CLAMP, ARM
15	BUSHING, LOCK THREADED	43	WASHER, FLAT
16	BUSHING GUIDE	44	SCREW, SOC.HD.
17	PIN, ROLL	45	SCREW, HANDLE
18	SCREW, SET, HEX, SOC.	47	HANDWHEEL
19	KNOB	48	SCREW, SET, HEX, SOC.
20	BUSHING	49	SCREW, CLAMP
21	BRACKET	50	WASHER, LOCK
22	GUIDE ROD	51	SCREW, SOC.HD.
23	BASE	52	RIVET
24	WASHER	53	M3 WRENCH, HEX
25	SCREW.BUTTON HD.	54	M4 WRENCH, HEX
26	GUIDE, BAR	55	M6 WRENCH, HEX
27	STUD	56	M8 WRENCH, HEX
28	WASHER		

*For further assistance, call the Garrett Wade Technical Department at 800 221 2942, or email us at [mail@garrettwade.com](mailto:mail@garrettwade.com)*