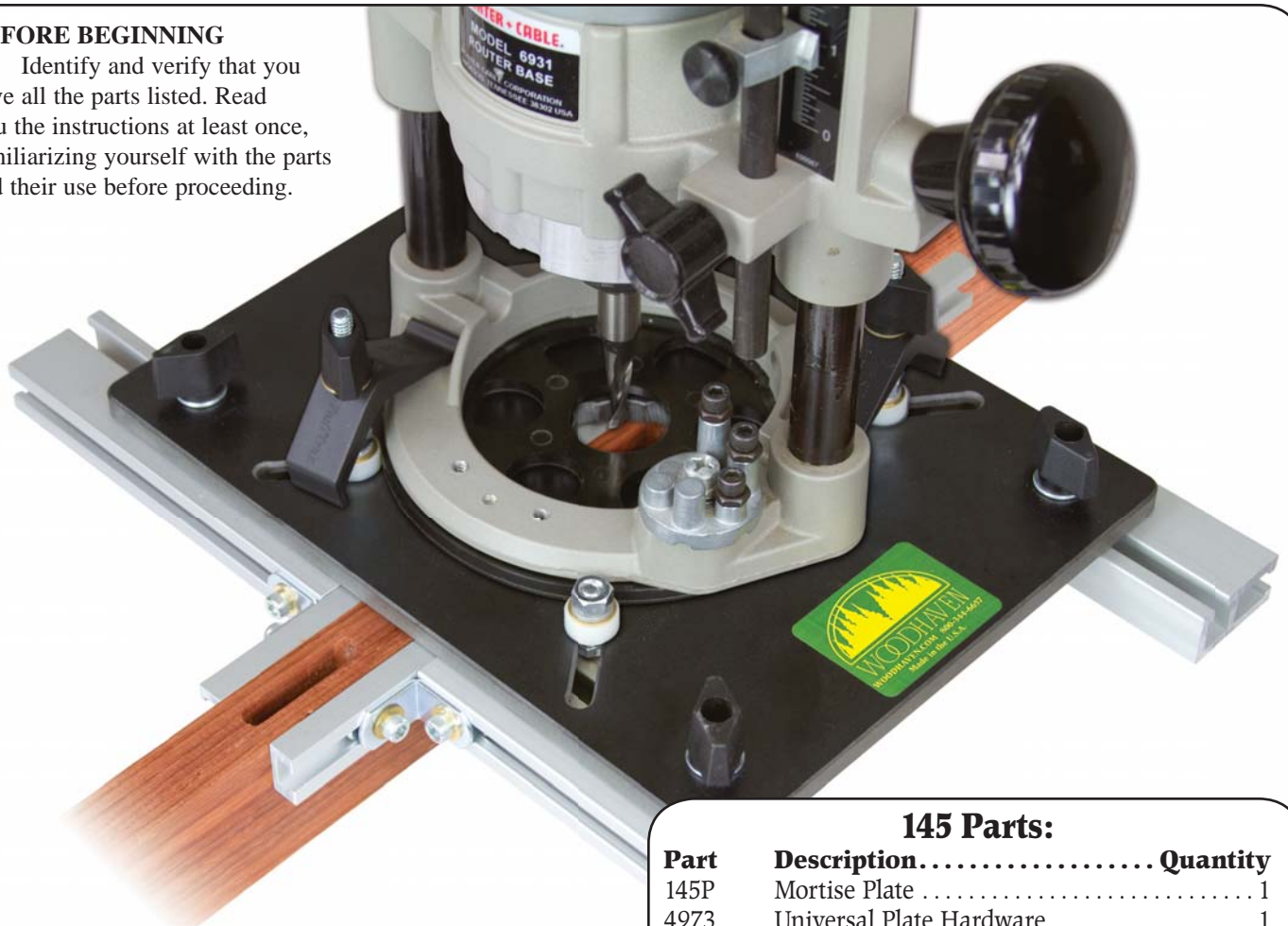


WOODHAVEN

145 & 145H
Mortise Plate & Hdw.
Owners Manual
Please Read Carefully!

BEFORE BEGINNING

Identify and verify that you have all the parts listed. Read thru the instructions at least once, familiarizing yourself with the parts and their use before proceeding.



145H HARDWARE ONLY

The 145H is designed to attach to any router plate up to 12" square by drilling four 1/4" holes in the plate, one near each corner. The hole placement is not critical because the hardware is fully adjustable and will compensate for any error. Drill the holes in the plate in a location that will not interfere with anything.

145 PLATE & HARDWARE ASSEMBLY

Use the Universal Plate Hardware (4973) and instructions to mount your router to the Mortise Plate (145P). If you have provided your own plate, move on to the next section of the instructions.

Turn Page Over

145 Parts:

Part	Description.....	Quantity
145P	Mortise Plate	1
4973	Universal Plate Hardware.	1
145H	Mortise Plate Hardware, see below.....	1

145H Parts:

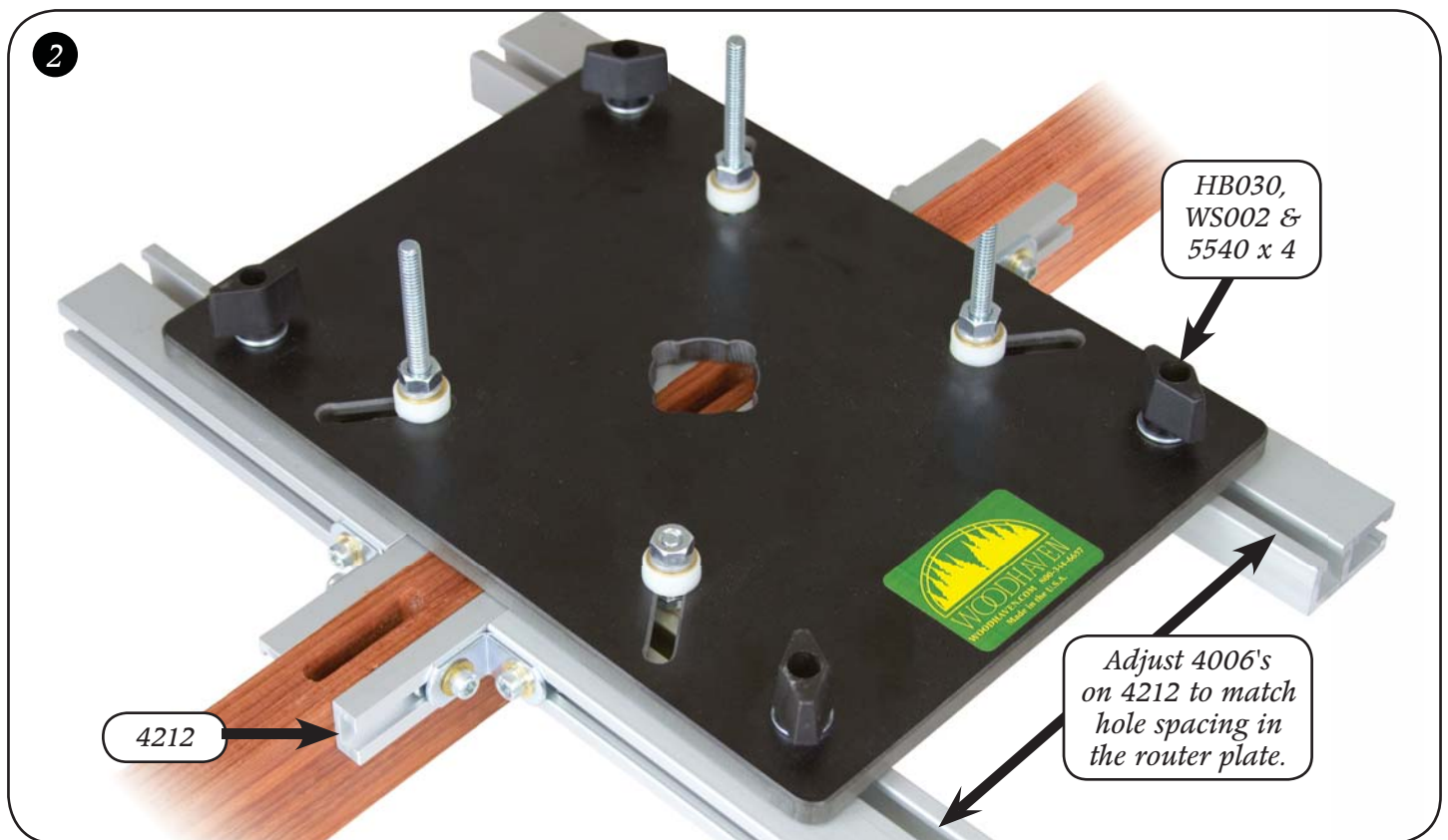
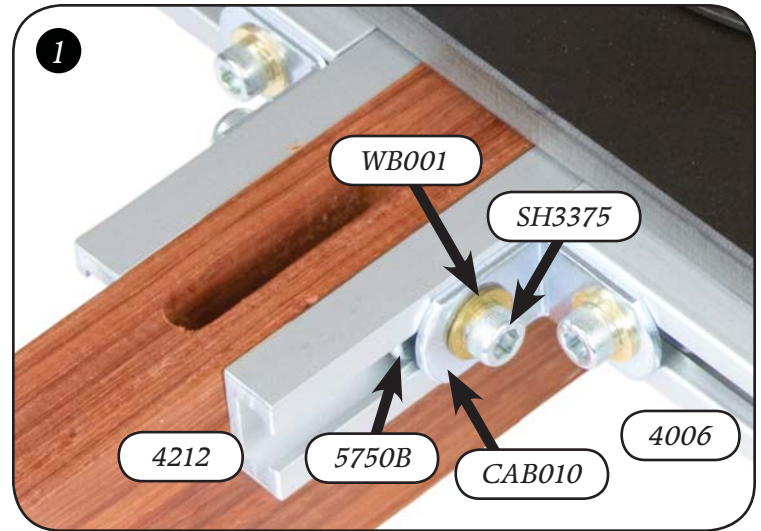
Part	Description.....	Quantity
4006	6" Double Track.....	4
4212	12" One Track	2
HB030	1/4-20 x 1" bolt	4
WS002	1/4" washer.....	4
5540	knob.....	4
WB001	3/16" washer.....	8
5750B	10-24 oval nut.....	8
SH3375	10-24 x 3/8" socket head screw.....	8
CAB010	angle bracket.....	4
5785	5/32" allen wrench.....	1

145 PLATE & HARDWARE ASSEMBLY

Install a 3/16" washer (**WB001**) on the eight 3/8" socket head screws (**SH3375**), insert them thru the holes in the four angle brackets (**CAB010**) and start an oval nut (**5750B - raised side first**) on the end of each screw. *See fig. 1.*

Assemble a pair of 5-7/8" Double Tracks (**4006**) and a 12" One Track (**4212**) as shown to make a fence assembly. Adjust the spacing between the T-slots of the Double Tracks to match the hole spacing in your router plate, then tighten the socket head screws with the 5/32" allen wrench (**5785**). Repeat for the second set of tracks. *See fig. 2.*

Insert the four 1" bolts (**HB030**) thru the holes in the Mortise Plate (**145P**), or the router plate you've provided. Place a 1/4" washer (**WS002**) and start a knob (**5540**) on the end of each bolt. Slide the fence assembly on to the heads of two of the bolts and tighten the knobs. Repeat for the remaining fence assembly. *See Cover*



USING THE MORTISE PLATE & HARDWARE

Mark the length and location of the mortise on the work. Loosen the knobs, set the gap between the One Track fences to the thickness/width of the work and, at the same time, position the router/bit on the work, then retighten the knobs.

Always use a plunge router and an upcut bit for mortising. Make sure the bit is not touching the work, then turn on the router. Plunge the bit into the work, "drilling" a hole at one end of the mortise. Retract the bit, move the router to the opposite end of the mortise and plunge the bit into the work, "drilling" a second hole. Retract the bit almost entirely, then feed the router back and forth between the holes as you gradually feed the bit down into the work.

You can skip the "drilling" step, however we have found that the drilled holes help you determine when you've

reached the limits of the mortise. They also provide some chip relief at the ends of the cut, which can help prevent kick-back.

For best results, you should not cut deeper than the bit diameter in each pass. For example, a 1/4" bit should not cut deeper than 1/4" per pass.

ACCESSORIES

If you have a plate larger than 12", you can get longer Double Tracks to replace the 5-7/8" tracks. You can also substitute a 12" Double Track for the 12" One Track for extra height support when mortising the edge or end of boards.