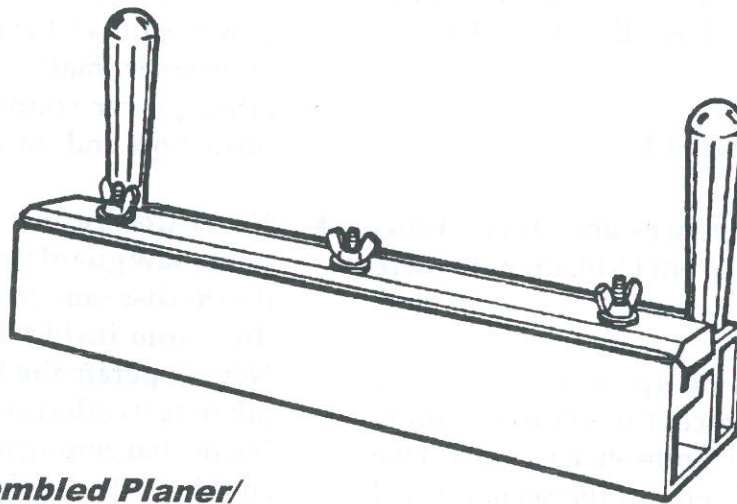




PLANER/JOINTER KNIFE SHARPENING JIG

555471



*Fully Assembled Planer/
Joinder Knife Sharpener*

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INTRODUCTION

The Planer/Joiner Knife Sharpener holds Shopsmith planer and joiner knives at the proper bevel angle (45 degrees) and smoothly guides them across the abrasive surface for the entire length of the blade. This produces a uniform edge, which is so critical to planers and jointers.

The Planer/Joiner Knife Sharpener is only used with the Shopsmith Conical Sanding Disc (555435) and one of the following Shopsmith power sources: the Mark V (models 500, 510 and 520), Mark II, Mark VII, 10-ER and Power Station.

NOTE

The following references and illustrations are for the Mark V Model 510, except where noted.

Operating the Knife Sharpener is the same on all power sources except the Power Station. Owners who use the Knife Sharpener with the Power Station will refer to the section titled "Power Station Operations" for specific operating instructions, turn to page 7.

The Knife Sharpener comes to you fully assembled, except for the two handles. After reading the Safety Rules, follow the instructions for assembly and operations.

SAFETY

Safety Rules

WARNING

- ◆ Make sure that the worktable of the Mark V, or other power source, is properly aligned.
- ◆ ONLY use the Planer/Joiner Knife Sharpener with the Conical Sanding Disc (Shopsmith Part Number 555435). Over the life of a planer or joiner knife, the total maximum amount of metal you can remove is 1/16". Discard knives after they are less than 11/16" wide.
- ◆ Before setting up the Conical Sanding Disc (555435) and the Mark V (or other power source) for operating the Knife Sharpener, make sure the Mark V (or other power source) is set to "Slow", turned off and unplugged.
- ◆ Never attach a dust collection hose to the lower saw guard (for Model 500 owners, it's the disc sander dust chute). Clean the dust from inside the lower saw guard. Never operate the Dust Collector or another dust collection system while grinding or sharpening metal, because sparks could ignite sawdust. Place aluminum foil in the bottom of the dust chute to protect plastic sides.
- ◆ Be very careful when installing a planer or joiner knife in the Knife Sharpener, because you can be seriously cut. Also, do not attempt to grab the Knife Sharpener if it should fall with a knife blade already installed.
- ◆ To prevent grinding residue from collection, always place a board, aluminum foil, or some other non-flammable material on the way tubes of the Mark V, or the base of the Power Station.
- ◆ Frequently clean any grit and metal residue from the worktable. Do this ONLY when the Mark V is turned off and unplugged.