

Model D3831/D3832 Adjustable Block Planes Instruction Sheet



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Introduction

The Model D3831/D3832 block plane is designed for chamfering, removing glue lines, and trimming the ends of workpieces.

This plane features bronze and cast iron construction, a steel blade, an adjustable throat plate, a depth adjustment knob, a lateral adjustment lever, and a lever cap for comfortable, one-handed grip. No assembly is required.

Setting the Blade Height

Blade height controls the amount of material removal. The blade angle is adjustable to ensure that it cuts evenly across the width of the workpiece.

To set blade height and parallelism, do these steps:

1. Loosen the horizontal wheel.
2. Turn the depth adjustment knob (see **Figure 1**) clockwise to extend the blade or counterclockwise to retract the blade, so it extends approximately 0.001" beyond the sole.
3. Verify that the blade is parallel with the sole, so an even amount of the blade protrudes from one side to the other.
 - If the blade is not parallel to the sole, adjust it as needed with the lateral adjustment lever (see **Figure 1**). One side will cut more than the other if the blade is not parallel with the sole.
4. Tighten the horizontal wheel.

WARNING: This product contains one or more chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.

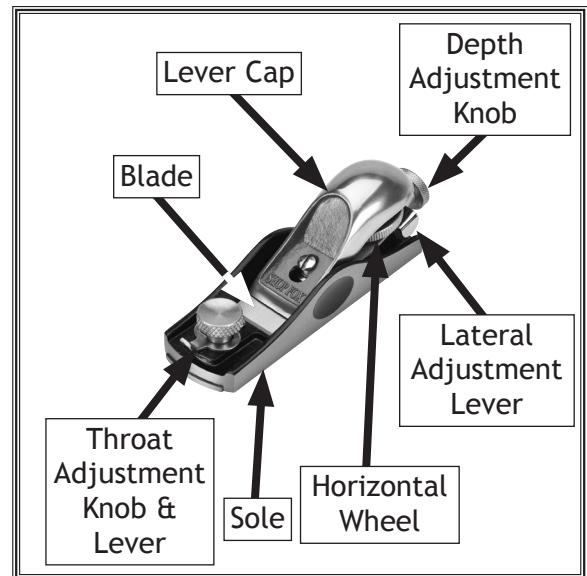


Figure 1. Model D3831 identification.

!WARNING

To reduce the risk of injury when using this tool:

- Use care when handling the plane blade. It is sharp and can cause lacerations.
- Protect your eyes from flying chips by wearing safety glasses.
- Make sure the workpiece is properly secured.
- Keep the plane away from children.

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Setting the Throat

The throat plate is adjusted for the type of cut. Normally the throat opening is set a little wider than the thickest shaving you plan to remove from the workpiece. To perform finer cuts, use a smaller opening. For more aggressive cuts, use a larger opening. To adjust the throat, simply loosen the throat adjustment knob shown in **Figure 1**, turn the adjustment lever in the needed direction, then tighten the knob.

Operation

1. Secure the workpiece to prevent it from moving.
2. Position the sole on the workpiece, being mindful of the grain orientation and stroke type (push or pull) you plan to make.
3. Make a few cuts, then adjust the blade and throat plate based on your results.

Troubleshooting

- If the tool chatters, reduce the depth of cut, or try skewing the blade angle.
- If the throat clogs with shavings, reduce the depth of cut, adjust the throat plate opening wider, or clear larger shavings after each stroke is complete.
- If one side of the blade digs into the workpiece more than the other, adjust the blade so it is parallel to the sole.

Maintenance

- Sharpen the blade bevel when it becomes noticeably difficult to push or pull the plane, or when it produces excessive chatter. To learn how to sharpen the blade, refer to books, magazines, or additional resources on the internet.
- Before storing the plane, remove the blade, wipe the blade down with an oily cloth, and store it in a dry place to prevent rusting.
- Lightly oil the plane and store in a sealed bag away from direct sunlight and wet air.

If you need help with your plane, call Woodstock International Technical Support at (360) 734-3482 or send email to tech-support@shopfox.biz.

Accessories

Replacement Blades

Part XD3831001, 1³/₈" W Blade, Model D3831
Part XD3832001, 1⁵/₈" W Blade, Model D3832

Model D1118 Oilstone Sharpening Kit

This all-in-one kit handles most woodworkers' honing chores. Includes a D1117 8" Sharpening Stone (coarse/medium), our D1044 Honing Guide, a 1 oz. bottle of honing oil, and a special non-slip rubber pad.

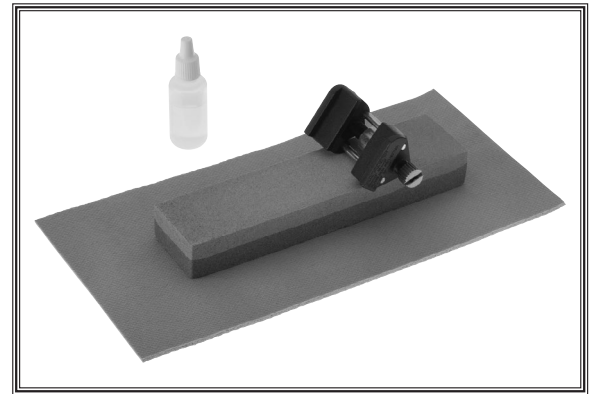


Figure 2. D1118 Sharpening Kit.

Japanese Waterstones

Woodworkers of all skill levels are turning to Japanese waterstones to keep their tool edges sharp. This is because waterstones cut more aggressively and a sharp edge can be achieved much faster. Waterstones also polish as they hone, allowing a mirror finish without the need for stropping or polishing compounds. Only water is needed to lubricate the cutting edge.

D1067: 8¹/₈" L x 2⁹/₁₆" W x 7/₈" T, Grit: 800

D1068: 8¹/₂" L x 2¹/₂" W x 1³/₈" T, Grit: 1000

D1069: 8¹/₈" L x 2⁹/₁₆" W x 7/₈" T, Grit: 1200

D1070: 8¹/₈" L x 2¹/₂" W x 1³/₈" T, Grit: 6000

D1071: 8¹/₈" L x 2¹/₂" W x 1³/₈" T, Grit: 8000

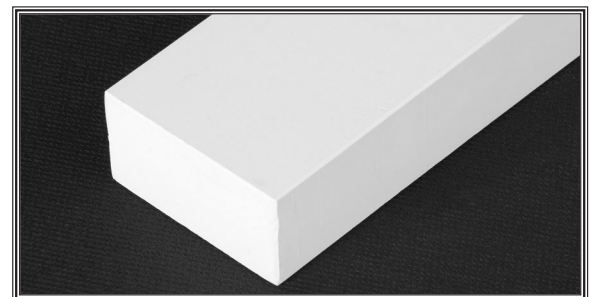


Figure 3. D1067 Waterstone.