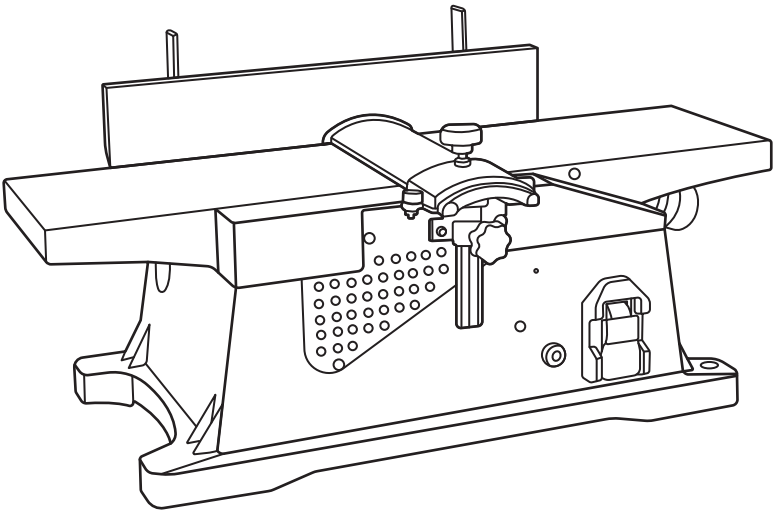
WOODSTARTER



6" Benchtop Jointer

BJ12K

USER MANUAL V 1.0

*Please read carefully before use. Please keep it for future reference.

Content

Safety Precautions

1. INTENDED USE

This jointer is specifically engineered to produce flat surfaces on wood or wood-derived materials. Utilizing it for alternative materials may lead to fire hazards, personal injury, or damage to the workpiece. Misuse of the machine not only risks severe injuries and machine damage but also invalidates the warranty.

2. INSTALLATION REQUIREMENTS

To ensure operator safety, the jointer should be firmly attached to a level and stable base or stand.

3. PERSONAL PROTECTIVE EQUIPMENT

- Operators must wear safety glasses compliant with ANSI Z87.1 standards, including side shields, along with hearing protection and a dust mask.
- Avoid loose clothing and jewelry that could be caught in the machinery. Secure long hair appropriately.
- Gloves are prohibited during machine operation to prevent entanglement.

4. ELECTRICAL SAFETY

Ensure power cords are kept clear of heat sources, oils, sharp edges, and moving parts. Damaged or frayed cords should be replaced or repaired by a qualified electrician promptly.

5. EQUIPMENT CHECK

Inspect the jointer and its accessories for any signs of damage or missing components prior to use. Do not operate if any part is compromised. Verify that all settings are accurate and connections are secure. Maintain all safety guards and ensure moving parts are unobstructed.

6. ACCESSORY MAINTENANCE

- Replace any damaged or worn blades or accessories immediately.
- Ensure all cutting tools are adequately sharpened for the intended task.
- Confirm that blades are correctly aligned and securely fastened to the cutterhead before operation.
- Always disconnect power before performing any cleaning or maintenance. Use brushes or compressed air for debris removal, avoiding direct hand contact.

7. OPERATIONAL SPEED

Allow the jointer to reach full operational speed before commencing work.

8. WORKPIECE INSPECTION

Thoroughly examine the workpiece for defects such as splits, knots, or embedded nails, which could pose safety risks during processing.

9. MATERIAL SELECTION

Opt for high-quality lumber to extend blade life and achieve smoother finishes.

10. POWER MANAGEMENT

Ensure the power switch is off before connecting the machine to power. Always disconnect power during cleaning, assembly, setup, or when the machine is idle.

11. WORKPIECE SUPPORT

Provide continuous support and control over the workpiece throughout the operation.

12. FEED DIRECTION

Do not reverse the workpiece towards the infeed table.

13. ADHESIVE USE

Select high-quality glue suitable for the specific workpiece requirements when bonding materials.

14. KICKBACK PREVENTION

Position yourself and others away from the cutterhead's rotation path to avoid injury from kickback or flying debris.

15. ASSEMBLY COMPLIANCE

Operate the jointer only after complete assembly and installation as per the provided instructions.

16. WORK AREA CLEANLINESS

Clear the table and surrounding area of scraps and obstructions before activating the jointer.

17. MOVING PART SAFETY

Keep hands clear of all moving components and cutting surfaces.

18. OPERATIONAL PRECAUTIONS

Refrain from performing layout, assembly, or setup tasks on the table while the jointer is running.

19. MAINTENANCE SAFETY

Always power down and unplug the machine before cleaning, adjusting, or changing accessories to prevent accidental startups.

20. CLEANING PROCEDURES

Avoid using solvents on plastic parts to prevent damage. Clean with a soft, damp cloth only.

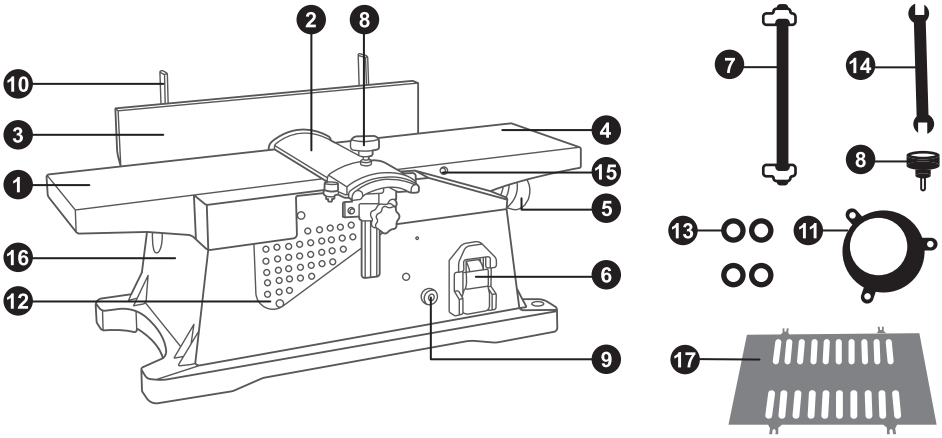
21. COMPONENT REPLACEMENT

If any part of the jointer is missing, damaged, or malfunctioning, turn off the switch and disconnect from power. Replace with identical parts only before resuming use.

Specification

Model	BJ12K
Power	120V-60Hz-15A
Cutterhead Rotation Speed	12000 RPM
Max cutting Width	0-6 inches
Max cutting Depth	0-1/8 inches
Working Table Dimension	6*23 inches
Number of Blade	2
Fence Angle	90-135 degree
Item weight	21 lbs

Part Description



1. Unadjustable Working Table
2. Protective Cover
3. Fence
4. Adjustable Working Table
5. Height Adjustment Handle
6. Switch
7. Bit Gauge
8. Protective Cover Lock Knob
9. Current Protector
10. Directin Plate (Left+Right)
11. Dust Pipe
12. Belt Cover Plate
13. Mubber Feet
14. Open Wrench
15. Pointer
16. Pedestal
17. Base Plate

Installation Instruction

Note: Before the installation set the switch to (O) and unplug the machine from power supply.

1. Unpack the machine and installed four rubber feet (13) in the buttom of four corners.

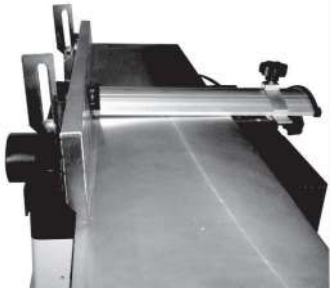
2. Fix the dust pipe (11) with three cross recess self – tapping screws.

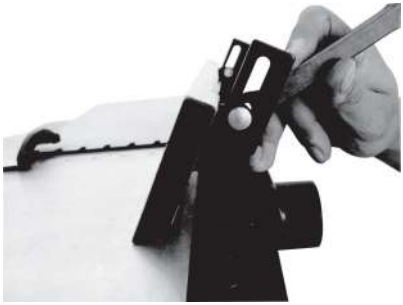
3. Tighten the protective cover (2) and tighten the lock knob (8).

4. Install the base plate (17) in the buttom of pedestal (16) and tighten the screw.

5. Install the fence (3) and tighten the screw.

6. To set the angle of the stop bar loosen the left and right height adjustment (11), set the angle you wish and screw the height adjustment. Check with a triangle if the angle is correct.





Operation

FEEDING A WORKPIECE

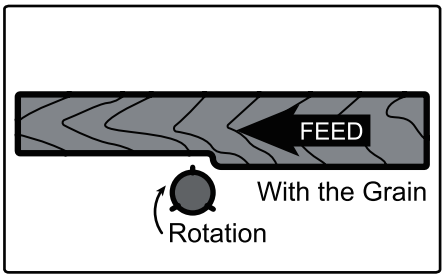
The feed rate is the speed at which the wood is moved across the blades. Maintaining a consistent feed rate ensures a smooth and even finish.

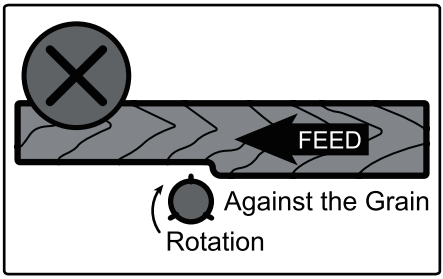
1. Secure the Workpiece: Firmly press the workpiece down on the feed table and keep it flush against the fence.

2. Maintain a Steady Feed: Move the workpiece over the cutterhead at a steady pace. Pausing or stopping mid-cut can create uneven steps in the workpiece.

3. Hand Positioning: As your trailing hand moves over the cutterhead, shift your leading hand behind it and continue the motion until the entire workpiece is cut. For narrow or thin pieces (less than 3 inches in width or thickness), use a push block to safely guide the workpiece.

4. Grain Direction: Always cut with the grain when possible. Avoid feeding against the end grain, as this can cause the workpiece to split or shatter. If cutting against the grain is necessary, take very light cuts and feed slowly. For long workpieces, provide additional support at both ends of the jointer.



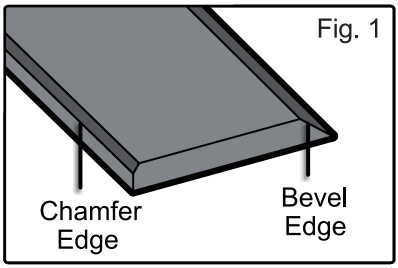


BEVEL AND CHAMFER

1. The jointer's fence can be adjusted from 0° to 45°. To set the desired angle, loosen the bevel handle, adjust the fence, and then securely tighten the handle.

2. Beveling involves cutting the entire edge of a board at an angle. Depending on the depth of the cut, this may require multiple passes. Refer to Fig. 1 for visual guidance.

3. Chamfering removes only the corner of the board's edge. Typically, a chamfer is completed in a single pass, with a cut depth of approximately 1/16 inch. Refer to Fig. 1 for further details.



ADJUST THE CUTTING DEPTH

1. Adjusting the Working Table Height: Rotate the height adjustment handle (5) to raise or lower the adjustable working table (4) to your desired height.
2. Setting the Plane Depth: After adjusting the table, verify the cutting depth. If further adjustment is needed, turn the height adjustment handle to fine-tune the workbench height.

Broadness	＜4 inches	4...4-4/5 inches	＞4-4/5 inches
Max. planer depth	1/8 inches	1/12 inches	1/24 inches

ADJUSTING THE BLADE HEIGHT

The blades are pre-adjusted at the factory for optimal performance and typically do not require further adjustment. However, shipping and handling may cause minor misalignment. For precise cutting, ensure the blade edges are level with the outfeed table.

1. Safety First: Turn the switch OFF and unplug the power cord before inspecting or adjusting the blades.
2. Remove the Blade Guard: Loosen the two screws securing the blade guard base and carefully remove the guard.
3. Prepare the Cutterhead: Disengage the cutterhead lock. Gently rotate the cutterhead until the blade-mounting screws are facing upward, then loosen them slightly (about half a turn).
4. Lock the Cutterhead: Rotate the cutterhead and engage the cutterhead lock on the shaft to keep it stable for blade leveling.
5. Check Blade Alignment: Place a straightedge across the outfeed table and the blade. Ensure the straightedge makes even contact with the outfeed table at both ends of the blade .
6. Adjust Blade Height: The blades should lightly touch the straightedge. If a blade is too high or too low at either end, use a hex wrench to adjust the gib screws and reposition the blade. Once aligned, disengage the cutterhead lock and fully tighten the blade-mounting screws .
7. Reinstall the Blade Guard: Securely reattach the blade guard. Before operating, ensure the cutterhead lock is disengaged from the shaft.

Maintance

BLADE REPLACEMENT

1. Remove the Fence: Move the fence (3) away from the working table to create space for blade replacement.
2. Loosen the Blade Press Plate: Using the provided open spanner (14), loosen the 4 screws on the blade press plate and carefully remove the old blades.
3. Install the New Blades: Place the new blades onto the knife shaft.
4. Attach the Blade Press Plate: Use the 4 knife screws to secure the blade press plate onto the knife shaft. Do not fully tighten the screws at this stage.
5. Align the Blades: Place the bit gauge (7) on the blades and adjust them to ensure parallel alignment. Once aligned, fully tighten all screws securely.
6. Check the Knife Shaft: Rotate the knife driving shaft to ensure it spins smoothly without any obstruction.

BELT REPLACEMENT

If the PJ V-ribbed belt is damaged, follow these steps to replace it:

1. Remove the Belt Cover: Unscrew the screws securing the belt protective cover and carefully remove the belt cover plate (12).
2. Remove the Old Belt: Take out the damaged PJ V-ribbed belt.
3. Install the New Belt: Place the new PJ V-ribbed belt onto the two pulleys, ensuring it is properly seated. Rotate the pulleys to confirm the belt is aligned and functions smoothly.
4. Reattach the Belt Cover: Securely reinstall the belt cover and protective plate.

BRUSH REPLACEMENT

1. Identify the Issue: If the carbon brushes are damaged, the machine will stop automatically.
2. Remove the Brush Cover: Use a screwdriver to unscrew and remove the brush cover.
3. Replace the Carbon Brush: Take out the damaged carbon brush and install a new one.
4. Reattach the Brush Cover: Securely screw the brush cover back into place.

CLEANING & STORAGE

1. Clean After Use: After each use, vacuum dust and chips from the tool surfaces, motor housing, and work area. Ensure ventilation openings are clear of debris to avoid motor overheating.
2. Wipe Surfaces: Use a soft cloth or brush to clean the tool surfaces. Avoid letting water enter the tool.
3. Lubricate Moving Parts: If the table bracket or locking knobs become stiff, apply lubricant to ensure smooth operation.

Trouble Shooting

PROBLEM	CAUSE	SOLUTION
Motor does not start.	Jointer is not plugged in.	Plug jointer in.
	Wrong choice of extension cord.	Choose proper size of extension cord.
	Defective switch.	Contact customer service at support@woodstarter.com
	Defective motor.	Contact customer service at support@woodstarter.com
	Worn carbon brushes.	Replace carbon brushes.
	Low line voltage.	Correct low line voltage condition.
Motor starts slowly or fails to come to full speed.	Defective motor windings.	Contact customer service at support@woodstarter.com
	Clogged wood chips.	Make a shallower cut and attach a dust collection device to the dust port. Inspect the chip blower assembly and the fan belt.
Motor is running too hot.	Motor overloaded.	Reduce the load on the motor (take shallower cuts).
	Restricted air circulation due to dust accumulation.	Clean out the dust and restore normal air circulation.
Snipe (gouging at end of boards)	Dull blades.	Replace or sharpen blades.
	Inadequate support of long boards.	Support long boards.
	Uneven feed.	Feed the workpiece at a consistent rate.

PROBLEM	CAUSE	SOLUTION
Poor dust extraction.	1) Dust extraction manifold is clogged.	1) Clean inside of jointer and manifold.
	2) The fan belt is bad.	2) Replace the belt.
The cutterhead is not spinning.	Bad drive belt.	Replace drive belt.

Warranty Information

WOODSTARTER offers a one-year warranty along with lifetime technical support to ensure your satisfaction. For any inquiries or feedback, please contact our team at **support@woodstarter.com** or visit our support page at **www.woodstarter.com** for assistance.

WOODSTARTER

EMPOWERING
YOUR WOODWORKING JOURNEY

If you need any assistance, please contact us via:

Email: support@woodstarter.com

www.woodstarter.com

2330 Paseo Del Prado, C303,
Las Vegas, NV 89102

MADE IN CHINA