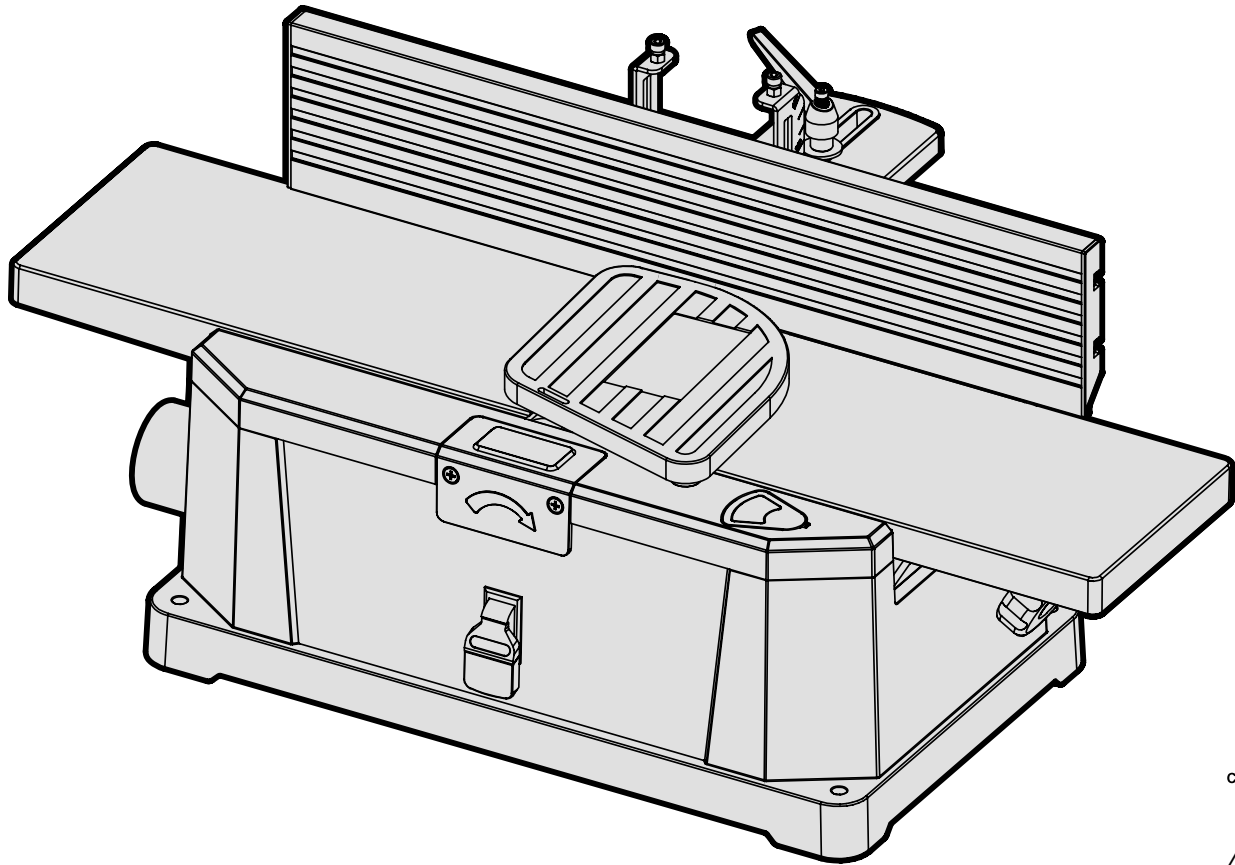




MODEL 6559

6-INCH BENCHTOP JOINTER

Instruction Manual



NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:



1-800-232-1195 (M-F 8AM-5PM CST)



TECHSUPPORT@WENPRODUCTS.COM

IMPORTANT: Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for its intended purpose, you will enjoy years of safe, reliable service.

For replacement parts and the most up-to-date instruction manuals, visit ***WENPRODUCTS.COM***

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SPECIFICATIONS

Model Number	6559
Motor	120V, 60 Hz, 10A
Cutterhead Rotation Speed	10,000 RPM
Cuts Per Minute	20,000 CPM
Max Cutting Width	6-1/8 in.
Max Cutting Depth	1/8 in.
Recommended Cutting Depth	1/32 in.
Number of Blades	2
Table Size	28-1/2 in. x 6-1/4 in.
Fence Size	20-3/4 in. x 4-1/4 in.
Dust Port Diameter	60 mm (fits 2-1/2 in. dust hose)
Fence Bevel	45°
Product Dimensions	28-1/2 in. x 20 in. x 14 in.
Weight	29.3 lbs

Jointer parts and accessories can be purchased from wenproducts.com.

INTRODUCTION

Thanks for purchasing the WEN Jointer. We know you are excited to put your tool to work, but first, please take a moment to read through the manual. Safe operation of this tool requires that you read and understand this operator's manual and all the labels affixed to the tool. This manual provides information regarding potential safety concerns, as well as helpful assembly and operating instructions for your tool.



SAFETY ALERT SYMBOL: Indicates danger, warning, or caution. The safety symbols and the explanations with them deserve your careful attention and understanding. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury. However, please note that these instructions and warnings are not substitutes for proper accident prevention measures.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. WEN reserves the right to change this product and specifications at any time without prior notice.

Keep this manual available to all users during the entire life of the tool and review it frequently to maximize safety for both yourself and others.

GENERAL SAFETY RULES

Safety is a combination of common sense, staying alert and knowing how your item works. SAVE THESE SAFETY INSTRUCTIONS.

 **WARNING:** Read and understand all warnings, cautions and operating instructions before using this tool. Failure to follow all instructions listed below may result in personal injury and tool damage.

WORK AREA SAFETY

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

ELECTRICAL SAFETY

1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
3. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
4. If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply. Use of a GFCI reduces the risk of electric shock.

PERSONAL SAFETY

1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-skid safety shoes and hearing protection used for appropriate conditions will reduce the risk of personal injury.
3. Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.

GENERAL SAFETY RULES

4. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
5. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
6. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.


POWER TOOL USE AND CARE

1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

SERVICE

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SPECIFIC RULES FOR THE JOINTER

 **WARNING:** Do not let comfort or familiarity with the product replace strict adherence to product safety rules. Failure to follow the safety instructions may result in serious personal injury.

1. **TOOL PURPOSE.** This jointer is designed for creating flat surfaces on wood or wood-like products only. Smoothing other materials could result in fire, injury, or damage to the workpiece. Using the machine for any other purpose for which it is not designed may result in serious injuries, machine damage and voiding of the warranty.

2. **MACHINE MOUNTING.** For the operator's safety, the jointer must be securely mounted onto a flat and stable surface or stand.

3. **PERSONAL SAFETY.**

- Always wear ANSI Z87.1-approved glasses with side shields, hearing protection, and a dust mask.
- DO NOT wear loose clothing or jewelry, as they might get drawn in by the tool. Tie back long hair.
- DO NOT wear gloves while operating this machine.

4. **ELECTRIC CORDS.** Keep cords away from heat, oil, sharp edges, and moving parts of the tool. Have an electrician replace or repair damaged or worn cords immediately.

5. **TOOL & ACCESSORIES INSPECTION.** Before operation, check the tool and accessories for any damage or missing parts. Do not use the tool if any part is missing or damaged. Make sure all adjustments are correct and all connections are tight. Keep all guards in place. Make sure all moving parts are free from interference.

6. **JOINTER ACCESSORIES.**

- Do not use blades, or any accessories that are damaged or worn. Replace blades as they become damaged or dull.
- Make sure all blades and accessories are sharp enough for the task at hand before using them.
- Make sure blades are aligned and properly attached to the cutterhead before using your planer.
- Always turn off and unplug the unit before doing any cleaning or maintenance. Use a brush or compressed air to remove chips or debris. Never use your hands to remove excess material and debris.

7. Allow the jointer to come to full speed before using the machine.

8. **WORKPIECE REQUIREMENTS.** Check the workpiece carefully for splits, knots, nails, or other obstructions. These types of blemishes may cause a safety risk during smoothing.

9. **USE HIGH QUALITY LUMBER.** Blades last longer and cuts are smoother with higher quality wood.

10. **DO NOT** joint material shorter than 8-1/8", narrower than 3/4", or thinner than 1/4". Never make a jointing cut deeper than 1/8". Use a push block or push stick for jointing material narrower or thinner than 3".

11. **PREVENTING ACCIDENTAL STARTING.** Make sure the power switch is in the OFF position prior to plugging in the machine. Always make sure the power switch is in the OFF position and the machine is unplugged when doing any cleaning, assembly, setup operations, or when not in use.

SPECIFIC RULES FOR THE JOINTER

12. SUPPORT THE WORKPIECE adequately at all times during operation; maintain control of the workpiece.
13. DO NOT back the workpiece toward the infeed table.
14. If gluing a workpiece, always use a high quality glue that meets the needs of the particular workpiece.
15. Take precautions against KICKBACK. DO NOT permit anyone to stand or cross in line of the cutterhead's rotation. Kickback or thrown debris will travel in this direction.
16. Do not operate this tool until it is completely assembled and installed according to the instructions.
17. Remove scrap pieces and other objects from the table and work area before turning ON the jointer.
18. DO NOT TOUCH MOVING PIECES. Keep hands away from all moving parts and cutting surfaces.
19. Never perform layout, assembly or set-up work on the table while the jointer is operating.
20. Always turn off and unplug the machine before cleaning, making adjustments or changing attachments. Accidental start-ups may occur if the tool is plugged in during an accessory change or adjustment.
21. CLEANING. Never use solvents to clean plastic parts. Solvents could dissolve or otherwise damage the material. Use only a soft damp cloth to clean plastic parts.
22. REPLACEMENTS. Should any component of your jointer be missing/damaged or fail in any way, shut off the switch and remove the plug from power supply outlet. Replace the missing, damaged, or failed parts using only identical replacement parts before resuming operation.

CALIFORNIA PROPOSITION 65 WARNING

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities may contain chemicals, including lead, known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement, and other masonry products.
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well-ventilated area with approved safety equipment such as dust masks specially designed to filter out microscopic particles.

These safety instructions can't possibly warn of every scenario that may arise with this tool, always make sure to stay alert and use common sense during operation.

ELECTRICAL INFORMATION

GROUNDING INSTRUCTIONS

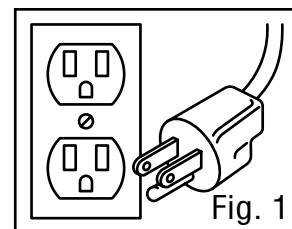
IN THE EVENT OF A MALFUNCTION OR BREAKDOWN, grounding provides the path of least resistance for an electric current and reduces the risk of electric shock. This tool is equipped with an electric cord that has an equipment grounding conductor and a grounding plug. The plug **MUST** be plugged into a matching outlet that is properly installed and grounded in accordance with ALL local codes and ordinances.

DO NOT MODIFY THE PLUG PROVIDED. If it will not fit the outlet, have the proper outlet installed by a licensed electrician.

IMPROPER CONNECTION of the equipment grounding conductor can result in electric shock. The conductor with the green insulation (with or without yellow stripes) is the equipment grounding conductor. If repair or replacement of the electric cord or plug is necessary, **DO NOT** connect the equipment grounding conductor to a live terminal.

CHECK with a licensed electrician or service personnel if you do not completely understand the grounding instructions or whether the tool is properly grounded.

USE ONLY THREE-WIRE EXTENSION CORDS that have three-pronged plugs and outlets that accept the tool's plug (Fig. 1). Repair or replace a damaged or worn cord immediately.



CAUTION: In all cases, make certain the outlet in question is properly grounded. If you are not sure, have a licensed electrician check the outlet.

GUIDELINES AND RECOMMENDATIONS FOR EXTENSION CORDS

When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. The table below shows the correct size to be used according to cord length and ampere rating. When in doubt, use a heavier cord. The smaller the gauge number, the heavier the cord.

AMPERAGE	REQUIRED GAUGE FOR EXTENSION CORDS			
	25 ft.	50 ft.	100 ft.	150 ft.
10A	14 gauge	12 gauge	10 gauge	8 gauge

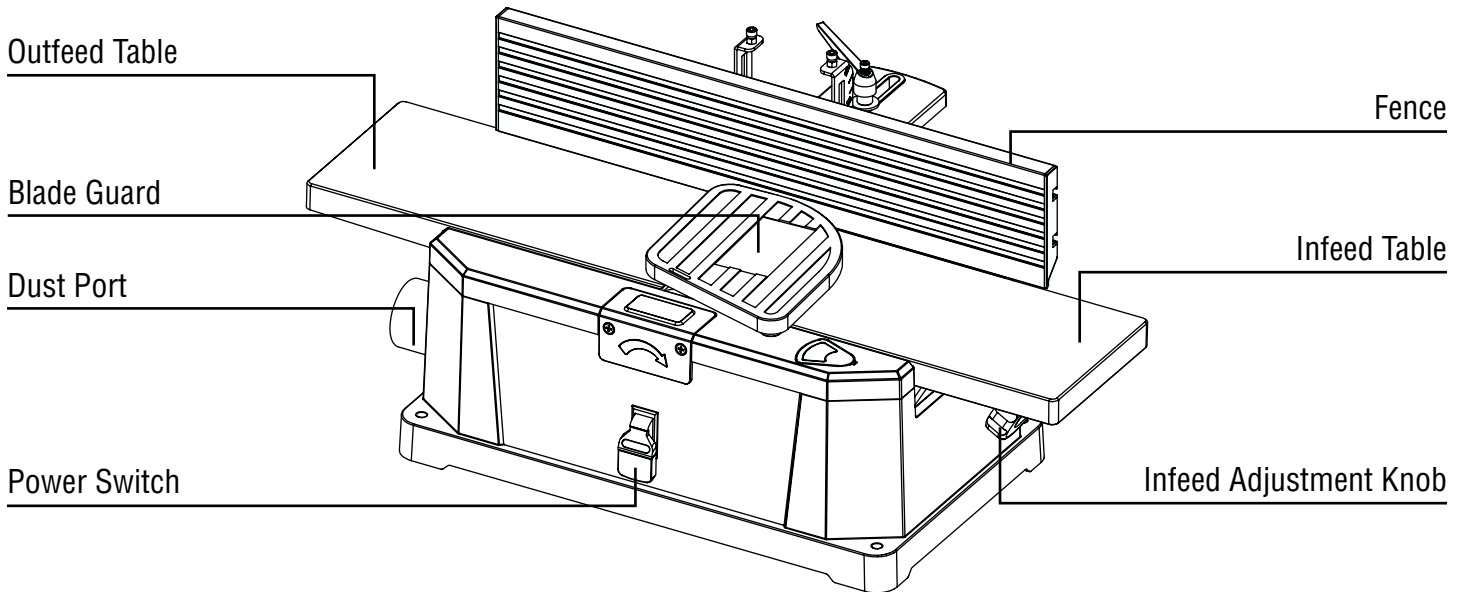
- 1. EXAMINE EXTENSION CORD BEFORE USE.** Make sure your extension cord is properly wired and in good condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.
- 2. DO NOT ABUSE EXTENSION CORD.** Do not pull on cord to disconnect from receptacle; always disconnect by pulling on plug. Disconnect the extension cord from the receptacle before disconnecting the product from the extension cord. Protect your extension cords from sharp objects, excessive heat and damp/wet areas.
- 3. USE A SEPARATE ELECTRICAL CIRCUIT FOR YOUR TOOL.** This circuit must not be less than a 12-gauge wire and should be protected with a 15A time-delayed fuse. Before connecting the motor to the power line, make sure the switch is in the OFF position and the electric current is rated the same as the current stamped on the motor nameplate. Running at a lower voltage will damage the motor.

KNOW YOUR WOOD JOINTER

UNPACKING

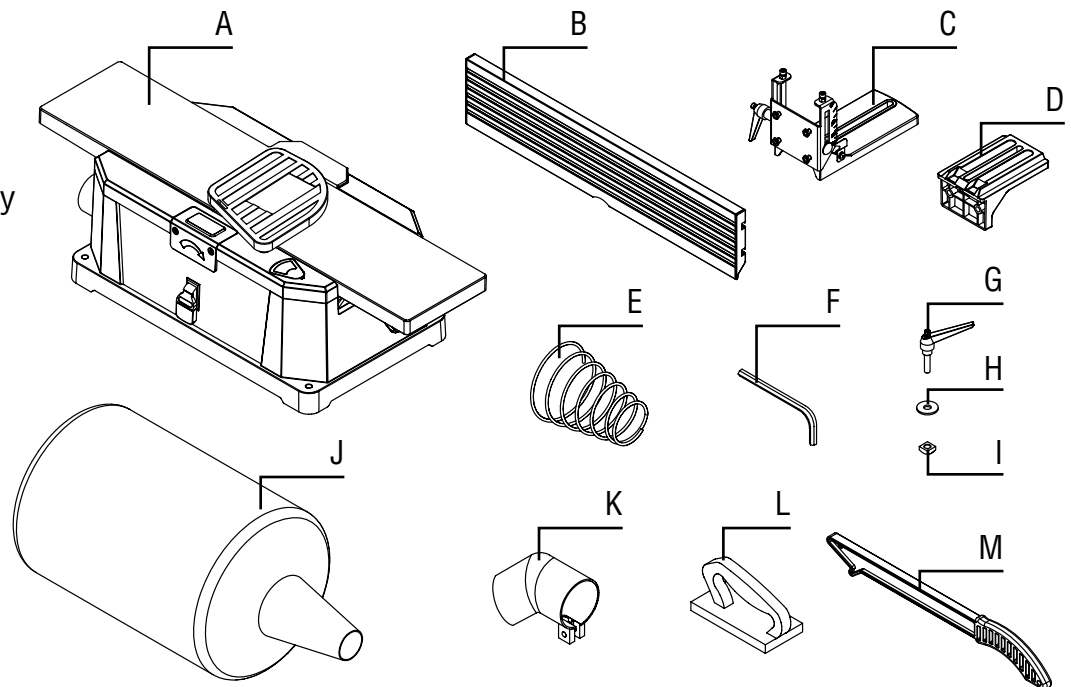
With the help of a friend or trustworthy foe, carefully remove the jointer from the packaging. Make sure to take out all contents and accessories. Do not discard the packaging until the jointer is completely assembled.

Before using the jointer, you must assemble the unit using the instructions in this section. Check your packing list against the diagram below. If any part is damaged or missing, please contact our customer service at (800) 232-1195, M-F 8-5 CST or email us at techsupport@wenproducts.com.



PACKING LIST

- A. Jointer
- B. Fence
- C. Fence Bracket Assembly
- D. Fence Sliding Base
- E. Spring
- F. 4 mm Hex Wrench
- G. Lock Handle
- H. Flat Washer
- I. Square Nut
- J. Filter Bag
- K. Dust Chute
- L. Push Block
- M. Push Stick



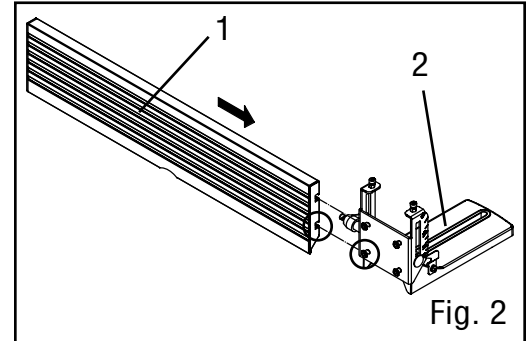
⚠ WARNING: Do not plug in or turn on the tool until it is fully assembled according to the instructions. Failure to follow the safety instructions may result in serious personal injury.

ASSEMBLY AND ADJUSTMENTS

⚠ WARNING: Do not plug in or turn on the tool until it is fully assembled according on the instructions. Failure to follow the safety instructions may result in serious personal injury.

ASSEMBLE THE FENCE

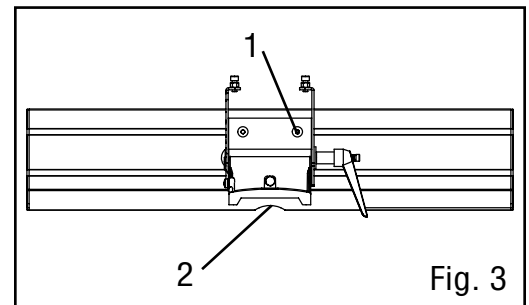
1. Slide the fence (Fig. 2 - 1) onto the fence bracket assembly (Fig. 2 - 2), matching the nuts on the fence bracket assembly with the T slots on the fence (see circled parts in Fig. 2).



NOTE: You may need to loosen the nuts in order to get them into the T slots.

2. Continue sliding the fence until the arc groove (Fig. 3 - 2) lines up with the center of the fence bracket assembly.

3. Using the included hex wrench, tighten the four flat-head screws (Fig. 3 - 1) on the fence bracket assembly to fix the fence in place.

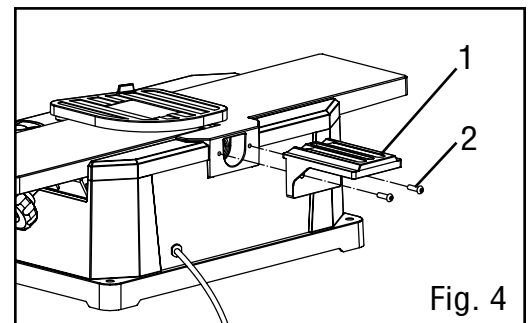


ATTACH THE FENCE TO THE JOINTER

1. Using the included hex wrench, remove the two socket-head screws (Fig. 4 - 2) from the jointer.

2. Fix the fence sliding base (Fig. 4 - 1) to the jointer with the two screws that were removed in the previous step.

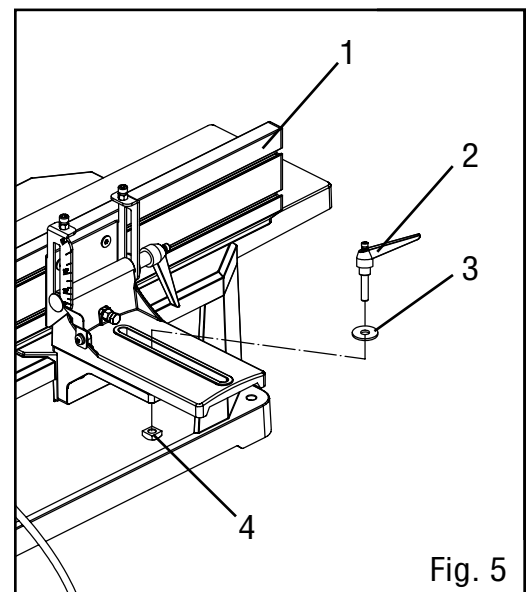
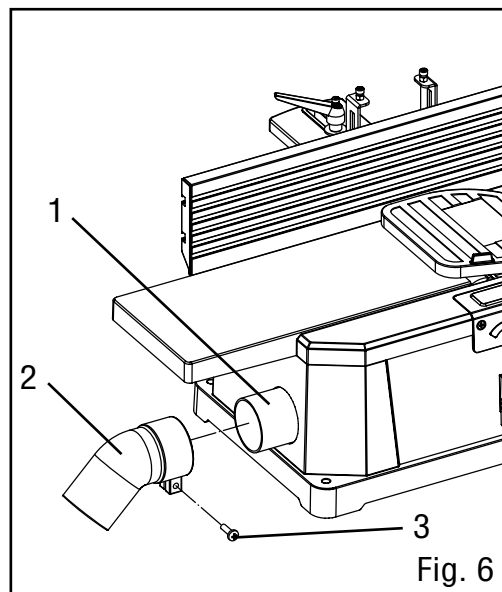
3. Use the lock handle (Fig. 5 - 2), flat washer (Fig. 5 - 3), and square nut (Fig. 5 - 4) to fix the fence assembly (Fig. 5 - 1) to the fence sliding base (Fig. 4 - 1).



INSTALL THE DUST CHUTE

1. Slide the dust chute (Fig. 6 - 2) onto the end of the chip exhaust (Fig. 6 - 1).

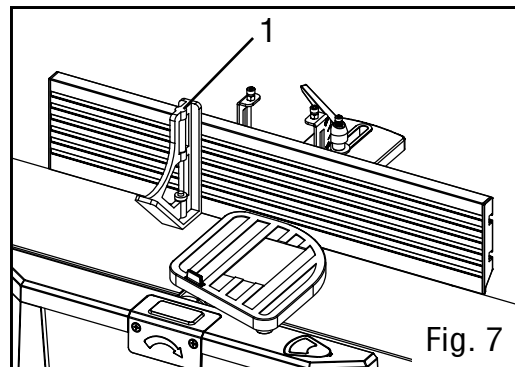
2. Tighten the Phillips-head screw (Fig. 6 - 3) to secure the dust chute on the chip exhaust.



ASSEMBLY AND ADJUSTMENTS

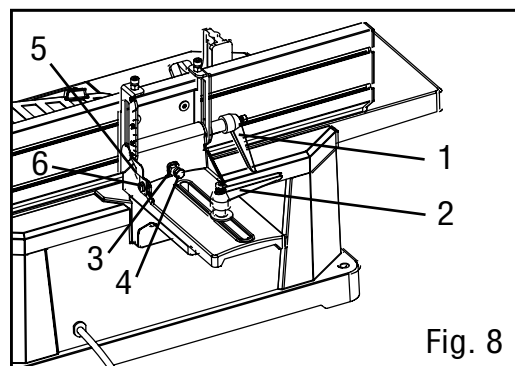
SQUARE THE FENCE

1. Place a combination square (Fig. 7 - 1, not included) against the face of the fence and the table surface. The fence and table must be at a 90 degree angle to each other. If they are not, loosen the bevel handle (Fig. 8 - 1) and the hex nut (Fig. 8 - 3) and turn the bolt (Fig. 8 - 4) with a 10 mm wrench, socket or adjustable wrench (not included) until the fence is square. Secure it back in position by tightening the hex nut (Fig. 8 - 3).



NOTE: You may need to adjust the bevel pointer (Fig. 8 - 5) to accurately reflect the bevel of the fence. The bevel pointer should read 0° when the fence is square (step 1), and should read 45° when the fence is set to 45° (step 2). To do this, loosen the bevel pointer screw (Fig. 8 - 6) and adjust the position of the pointer. Tighten the screw.

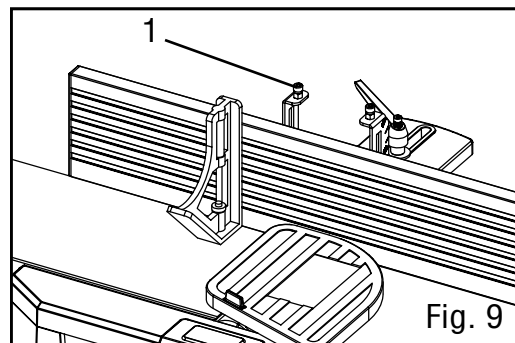
2. Use a combination square to check the 45° limit stops. The limit stops (Fig. 9 - 1) are the bolts located above the fence. If adjustments are needed, loosen the hex nut on either stop, use the hex wrench to adjust the bolt until the end contacts the fence support, and secure in place again with the hex nut.



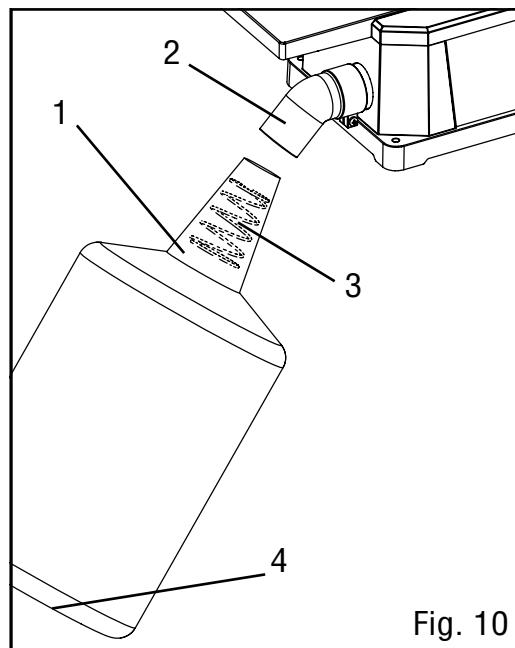
INSTALL THE FILTER BAG

The filter bag is designed to provide dust collection for wood-working tools using the 2-1/2" diameter dust port. The filter bag operates as an easy, convenient sawdust collection and disposal system. To install:

1. Open the zipper on the bottom of the bag (Fig. 10 - 4) and place the spring (Fig. 10 - 3) inside of the filter bag spout (Fig. 10 - 1). The smaller end should come out of the spout first.



2. Slide the filter bag spout with the spring inside of it over the dust chute (Fig. 10 - 2). Securely press the smaller end of the spring over the opening of the dust chute.



ADJUST THE INFEEED TABLE

The infeed table has been pre-set from the factory to be level. However, if you find it is not level, adjust it using the procedures below. You will need:

- A Phillips-head screwdriver (not included)
- Hex wrenches (M5 and smaller, not included)

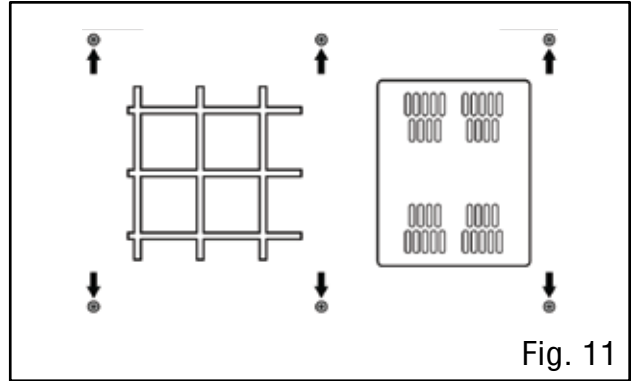
Instructions begin on the next page.

ASSEMBLY AND ADJUSTMENTS

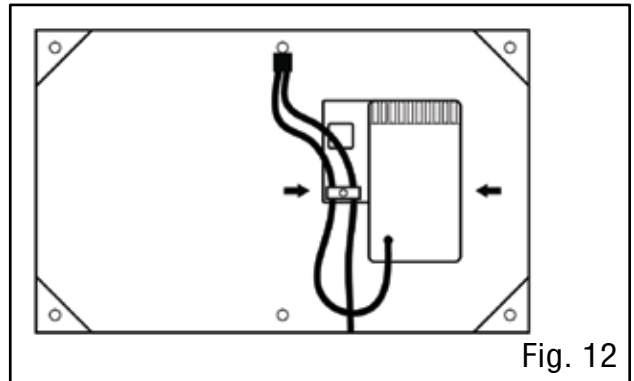
1. Remove the fence and all other attachments (refer to p. 10).

2. Carefully and gently, with the help of another person if necessary, turn the unit over so its bottom is exposed.

3. Remove the Phillips-head screws (Fig. 11, indicated by arrows) from the bottom of the unit. Set aside for later. Remove the bottom cover to expose the inside of the unit.



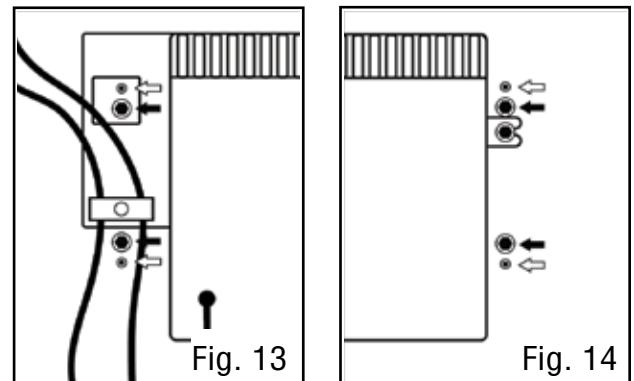
4. Look near the motor where the power cords are fastened to the body of the unit (left arrow, Fig. 12), to locate the set screws shown in Fig. 13.



5. Look on the other side of the motor (right arrow, Fig. 12), to locate the similar-looking set screws (Fig. 14).

6. Using an M5 hex wrench, loosen all four screws indicated by black arrows (Figs. 13 & 14). These screws hold the table to the frame of the jointer.

7. Once all four screws from step 6 are loose, use an M3 hex wrench to adjust the set screws indicated by white arrows (Figs. 13 & 14). These set screws adjust the table's level.



8. Adjust the set screws as necessary. Tightening the set screws (turning clockwise) will cause the corresponding side of the table to rise, and loosening them (turning counterclockwise) will cause the corresponding side to drop. Make sure to check the table for level in both the lengthwise (along the table, perpendicular to the blades) and width-wise (across the table, parallel to the blades) directions.

9. Once you have reached an acceptable adjustment, tighten the four screws indicated by black arrows.

10. Replace the back cover. Tighten the Phillips-head screws (Fig. 11, indicated by arrows), and replace the four rubber feet from the corners of the unit (Fig. 11, indicated by the striped fill).

11. Carefully and gently, with the help of another person if necessary, turn the unit over so it is right side up.

12. Reattach the fence and all other attachments (refer to p. 10).

OPERATION

⚠ WARNING: Do not plug in or turn on the tool until it is fully assembled according on the instructions. Failure to follow the safety instructions may result in serious personal injury.

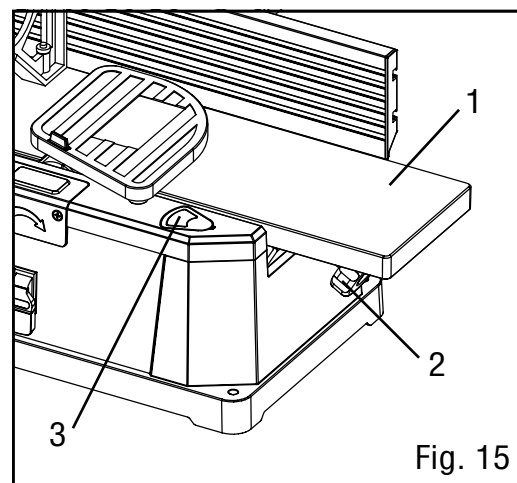
TOOL PURPOSE

Jointing is a surfacing operation in which a small amount of wood is removed from the edges and faces of boards to smooth and straighten the surfaces. This allows the edges from two boards to fit together to form a seamless joint. Of course, you probably already knew all that, otherwise why would you have bought a jointer?

Planing refers to the sizing of lumber to a desired thickness while creating a level surface parallel to the opposite side of the board. Depth of cut is the term used to indicate how deep the blades will cut into the workpiece.

ADJUST THE DEPTH OF CUT

The depth of cut is adjusted by the relative positioning of the infeed table with respect to the cutterhead. The infeed table (Fig. 15 - 1) can be raised or lowered using the infeed adjustment knob (Fig. 15 - 2). Turning the knob clockwise will raise the infeed table, causing less wood to be removed from the workpiece. Turning the hand wheel counterclockwise will lower the infeed table, causing more wood to be removed from the workpiece. Do not make jointing cuts deeper than 1/8 of an inch. Use the cutting depth display (Fig. 15 - 3) to see how deep of a cut you are making.



NOTE: For a smooth finish, it is recommended to do multiple passes at a lower depth. We recommend using a depth of 1/32". Always using a depth of 1/8" will shorten the lifespan of your jointer and give you a less smooth finish.

BEVEL THE FENCE

The fence can be positioned to plain the wood at any angle from 0° to 45° outward.

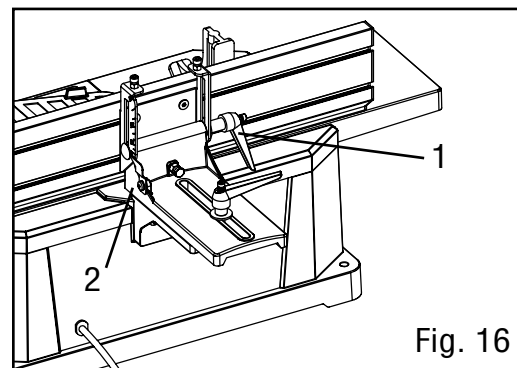
1. Before adjusting the fence's angle, make sure that the unit is unplugged and the power switch is in the OFF position.

2. Turn the fence bevel handle (Fig. 16 - 1) counterclockwise to loosen it. If you find it necessary to reposition the handle, pull it outwards, turn the handle to the new position, and release it.

3. Manually tilt the fence to desired angle; use the angle gauge (Fig. 16 - 2) to see the current angle.

NOTE: As long as you have squared the machine (p. 11), then the fence can easily be set to 45 degrees using the limit stops. However, it is always advisable to check your angles with a piece of scrap wood before jointing your final workpiece.

4. Once the desired angle has been achieved, tighten the bevel handle (Fig. 16 - 1).



OPERATION

MOVE THE FENCE

1. Before adjusting the fence's angle, make sure that the unit is unplugged and the power switch is in the OFF position.
2. Loosen the fence sliding handle (Fig. 17 - 1).
3. Slide the fence to the desired position. The fence can be positioned over the blade so that only the desired width of the blade is exposed. Make sure the exposed width matches that of the workpiece.
4. Tighten the fence sliding handle so that the fence is secure.

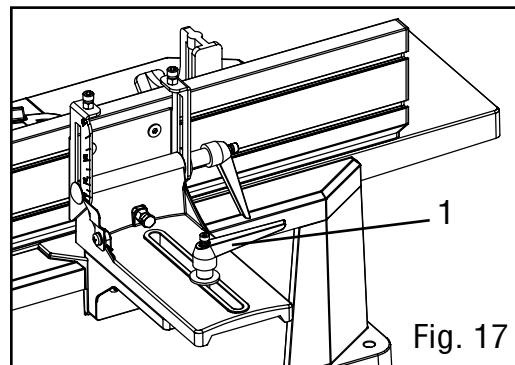


Fig. 17

ADJUST THE BLADE HEIGHT

The blades have been adjusted at the factory to assure proper operation and should require no adjustment. However, shipping and handling may have caused slight misalignment. For accurate cutting, the cutting edges of the blades should be flush with the outfeed table.

1. Make sure the switch is in the OFF position and that the cord is unplugged before checking the blades.
2. Block the blade guard (Fig. 18 - 3) from closing using a scrap piece of 6-1/4-inch long wood (Fig. 18 - 2) between the fence and the guard.
3. Turn the cutterhead so that one of the blades is at its highest position.

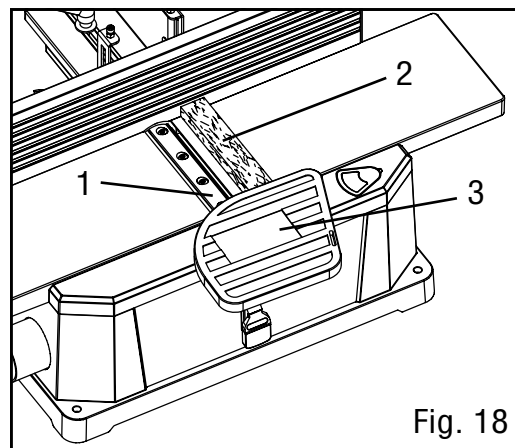


Fig. 18

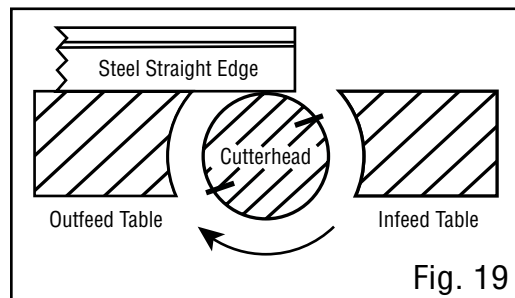


Fig. 19

CAUTION: The cutterhead blades (Fig. 18 - 1) are extremely sharp. To avoid injury, do not let your fingers contact the cutting edge.

4. Place a straight-edge over the outfeed table and the blade. The straight edge must touch evenly on the outfeed table at both ends of the blade. See Fig. 19.
5. Rotate the cutterhead by hand. The blades should just touch the straight-edge. If a blade is too low or too high at either end, adjust the blade height. Using a hex wrench, loosen the blade locking screws (Fig. 20) and adjust the gib screws (Fig. 20) to re-position the blade. Fully tighten the locking screws once the adjustments have been made.

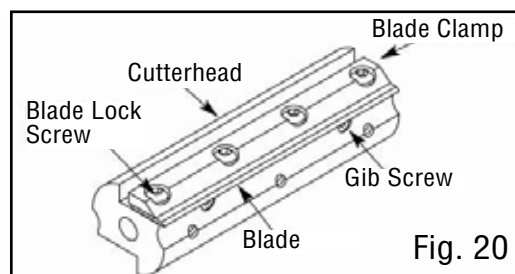


Fig. 20

OPERATION

AVOID DAMAGE TO BLADES

Jointers are a precision woodworking machine and should be used on quality lumber only. Do not joint dirty boards; dirt and small stones are abrasive and will wear out the blades.

For proper operation, it is preferable to use the jointer with a dust collecting system attached to the exhaust port in the rear of the jointer. Attaching a dust collecting system is highly recommended when taking deeper cuts to prevent clogging of wood chips.

Remove nails and staples. Only use the jointer to cut wood. Avoid knots. Heavily cross-grained wood makes knots hard. Knots can come loose and jam blades.

Assess the value of badly warped boards. You may be tempted to take a deep cut to square the boards quickly, when a better approach is to use several passes with a shallower cut.

⚠ WARNING: Any article that encounters jointer blades may be forcibly ejected from the jointer, creating risk of injury. Make sure the wood is free from foreign materials before attempting to joint.

FEED A WORKPIECE

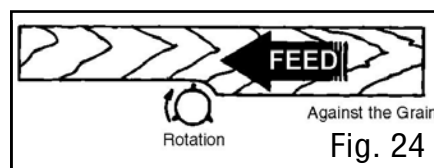
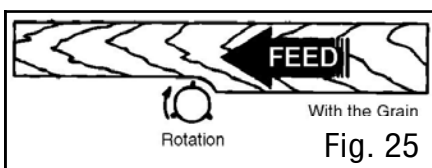
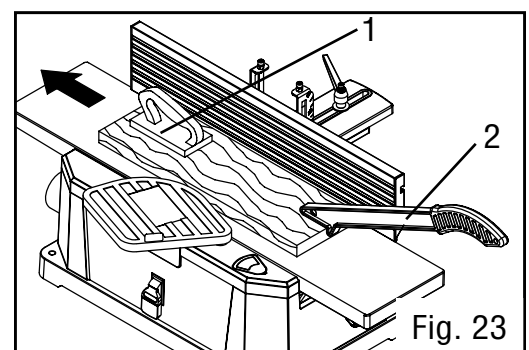
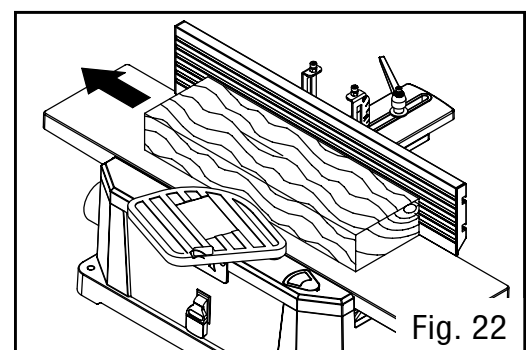
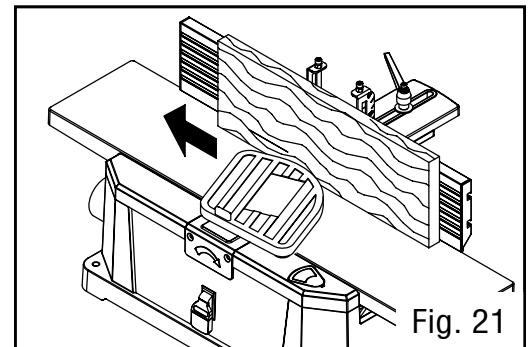
Feed rate refers to the rate at which wood is passed over the blades. An even feed rate produces a uniform finish.

1. Hold the work piece firmly down on the feed table and against the fence.

2. Feed the work piece at an even rate over the cutterhead. Any hesitation or stopping will cause a “step” to be cut in the work piece. See Figs. 21- 23 for different feeding methods.

3. As your trailing hand passes over the cutterhead, remove your leading hand and place behind your trailing hand and repeat until the entire length of the workpiece has been cut. Use a push block (Fig. 23 - 1) and a push stick (Fig. 23 - 2) to hold and feed the workpiece when jointing wood that is narrower than 3 inches or thinner than 3 inches

4. Cut with the grain whenever possible (Fig. 25). Do not feed against the end grain (Fig. 24), otherwise the workpiece may split and shatter. If the nature of the workpiece requires you to joint against the grain, take extremely light cuts and feed slowly. When using long work pieces, use extra supports at both ends of the jointer.



OPERATION

BEVEL AND CHAMFER

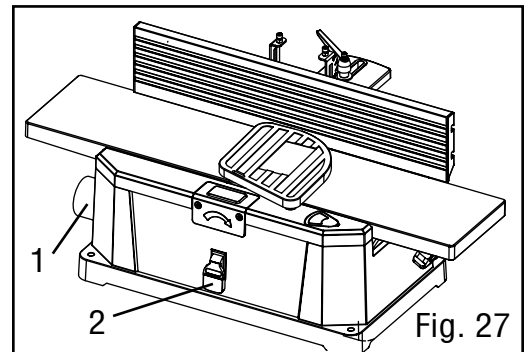
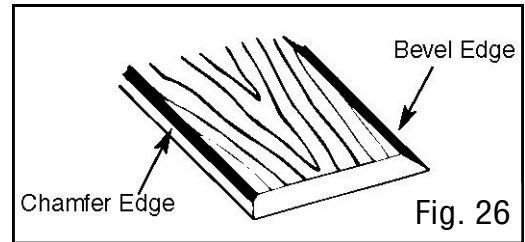
The fence on the jointer is adjustable from 0° to 45° outward. Adjust the fence to the desired angle and tighten the bevel handle.

Beveling refers to cutting the entire edge of a board at an angle. Beveling may require several passes due to the depth of the cut needed. See Fig. 26.

Chamfering refers to removing only the corner of the edge of a board. Normally a chamfer is made in one pass; so a 1/16-inch deep cut is made. See Fig. 26.

ATTACH A VACUUM HOSE

A standard dust collection hose can be attached to the 2-1/2" diameter dust port underneath the outfeed table. The jointer will perform properly at all depths of cuts up to 1/8 inch when using a dust collection system.



NOTE: Make sure the jointer and dust collection system are on separate electrical circuits. This will prevent circuits from overloading.


1. Make sure the switch is in the OFF position and that the cord is unplugged before attaching the vacuum hose.
2. Attach the dust collection hose to the dust port (Fig. 27 - 1).
3. Turn the dust collection system ON before starting the jointer. Periodically replace and empty the bag in the collection system.


ON/OFF SWITCH


The ON/OFF switch (Fig. 27 - 2) is located on the front of the jointer.

1. To turn the jointer ON, move the switch to the up position.
2. To turn the jointer OFF, move the switch to the down position.
3. Remove the yellow tab to engage child-safety lock and prevent unwanted start-ups.

MAINTENANCE

 **WARNING:** To avoid accidents, turn OFF and unplug the tool from the electrical outlet before cleaning, adjusting, or performing any maintenance or lubrication work.

 **WARNING:** Any attempt to repair or replace electrical parts on this tool may be hazardous. Servicing of the tool must be performed by a qualified technician. When servicing, use only identical WEN replacement parts. Use of other parts may be hazardous or induce product failure.

 **WARNING:** To avoid cuts, wear cut-proof or cut-resistant gloves when performing maintenance work. Remove the gloves before operating the jointer.

ROUTINE INSPECTION

Before each use, inspect the general condition of the tool. If any of the following conditions exist, do not use until parts are replaced or the jointer is properly repaired.

Check for:

- Loose hardware or improper mounting,
- Misalignment or binding of moving parts,
- Damaged cord/electrical wiring,
- Worn or damaged blades,
- Cracked or broken parts, and
- Any other condition that may affect its safe operation

CHECK FOR WORN BLADES

The condition of blades will affect the precision of the cuts. Observe the quality of the cut that the jointer produces to check the condition of the blades. Dull blades will tear, rather than sever wood fibers and produce fuzzy appearances. Raised grain will occur when dull blades pound on wood that has varying density. Raised edges will also be produced where the blades have been nicked. Blades on this jointer should always be replaced as a matched set. Keeping a spare set of blades on hand is recommended. Replacement blades can be ordered from wenproducts.com.

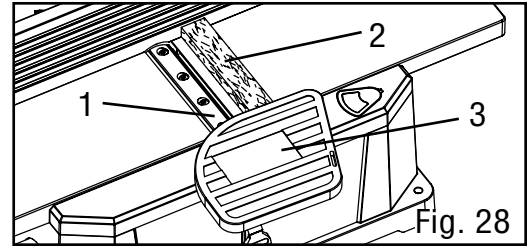
NOTE: The blades on this jointer are NOT reversible.

MAINTENANCE

⚠ WARNING: To avoid cuts, wear cut-proof or cut-resistant gloves when performing maintenance work on the blades. Remove the gloves before operating the jointer.

REPLACING BLADES

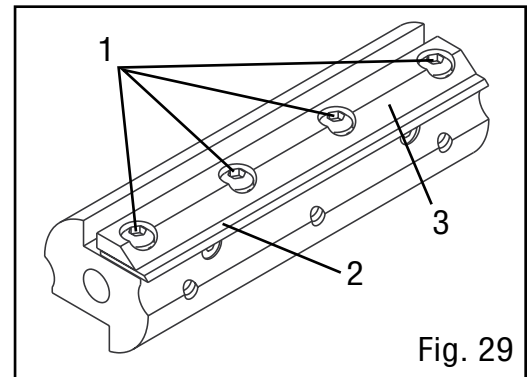
1. Make sure the switch is in the OFF position and that the cord is unplugged before replacing the blades (Fig. 28 - 1). Block the blade guard (Fig. 28 - 3) from closing using a scrap piece of 6-1/4-inch wood (Fig. 28 - 2) between the fence and the guard.



2. Loosen and remove the four blade lock screws (Fig. 29 - 1) securing the blade (Fig. 29 - 2) and the blade clamp (Fig. 29 - 3).

3. Lift the blade and the blade clamp from the cutterhead, cleaning any sawdust and resin buildup from the cutterhead, the blade and the blade clamp.

4. Place the new blade against the blade clamp and replace it in the cutterhead, securing it in place with the four blade lock screws. Do not tighten the blade lock screws until you have checked that the blade height is level and properly aligned.



5. Adjust as required, using a straight edge as described in “Testing the Blade Height” on p. 14 of this manual. Tighten the blade lock screws, check the blade adjustment, and make sure the blade is still level with the outfeed table. Repeat this procedure to replace the other blade. Remove the scrap wood and release the blade guard.

CLEANING & STORAGE

1. After every operation, use a vacuum to remove dust and chips from the tool surfaces, motor housing and work area. Keep the ventilation openings free from dust and debris to prevent the motor from overheating.

2. Wipe the tool surfaces clean with a soft cloth or brush. Make sure water does not get into the tool.

3. Lubricate the table bracket and locking knobs if they become difficult to use.

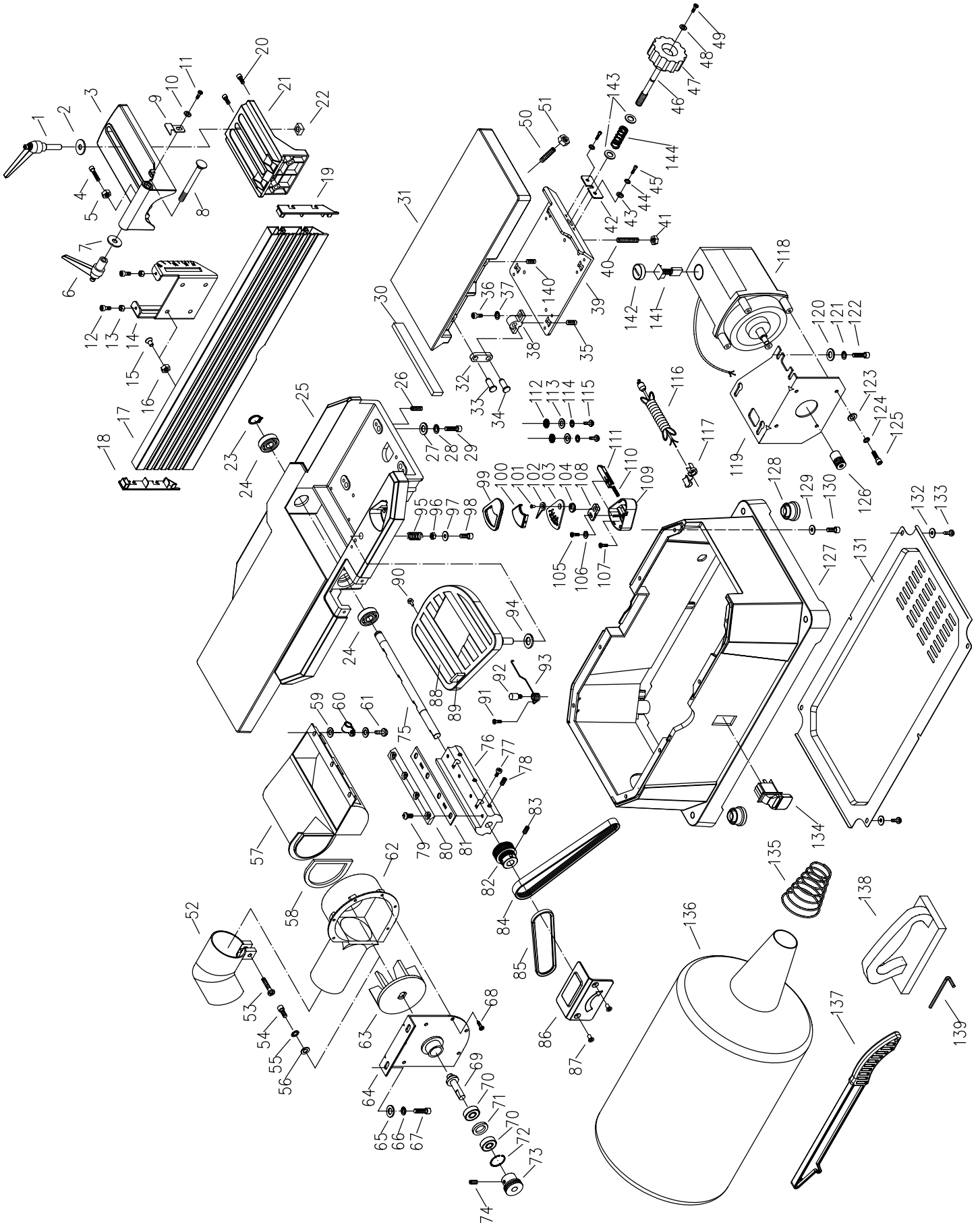
TROUBLESHOOTING GUIDE

⚠ WARNING: Stop using the tool immediately if any of the following problems occur. Repairs and replacements should only be performed by an authorized technician. For any questions, please contact our customer service at (800) 232-1195, M-F 8-5 CST or email us at techsupport@wenproducts.com.

PROBLEM	CAUSE	SOLUTION
Motor does not start.	Defective switch.	Have the switch replaced.
	Defective motor.	Have the motor replaced.
	Bad 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.	Have the motor replaced or repaired by a qualified service technician.
	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.
Poor dust extraction.	The belts are bad.	Replace the belts.
The cutterheads are not spinning.	The belts are bad.	Replace the belts.

NOTE: Carbon brush life depends on the amount of load being taken on by the motor. Regularly inspect the brushes after 50 hours of use.

EXPLODED VIEW & PARTS LIST



EXPLODED VIEW & PARTS LIST

No.	Part No.	Description	Qty.
1	6559-001	Fence Sliding Handle, M8x32	1
2	6559-002	Flat Washer, Ø8	1
3	6559-003	Fence Bracket	1
4	6559-004	Hex Head Bolt, M6x40	1
5	6559-005	Hex Nut, M6	1
6	6559-006	Fence Bevel Handle, M8	1
7	6559-007	Flat Washer, Ø8	1
8	6559-008	Bolt	1
9	6559-009	Fence Angle Guide	1
10	6559-010	Flat Washer, Ø5	1
11	6559-011	Phillips-Head Screw, M5x8	1
12	6559-012	Socket Head Screw, M5x20	2
13	6559-013	Hex Nut, M5	2
14	6559-014	Angle Support	1
15	6559-015	Flat Head Screw, M6x10	4
16	6559-016	Hex Nut, M6	4
17	6559-017	Fence	1
18	6559-018	Fence Left End Cover	1
19	6559-019	Fence Right End Cover	1
20	6559-020	Socket Pan Head Screw, M6x20	2
21	6559-021	Fence Sliding Base	1
22	6559-022	Square Nut, M8	1
23	6559-023	Retaining Ring, Ø12	1
24	6560-043	Ball Bearing, 6201-2Z	2
25	6559-025	Body with Outfeed Table	1
26	6559-026	Set Screw, M6x16	4
27	6559-027	Flat Washer, Ø6	4
28	6559-028	Lock Washer, Ø6	4
29	6559-029	Socket Head Screw, M6x30	4
30	6559-030	Cushion	1
31	6559-031	Infeed Table	1
32	6560-038	Connection Plate	4
33	6559-033	Pin	4
34	6559-034	C-clip, Ø6	4
35	6560-040	Pin	4
36	6559-036	Socket Head Screw, M5x10	8
37	6559-037	Lock Washer, Ø5	8

No.	Part No.	Description	Qty.
38	6559-038	Connection Bracket	4
39	6559-039	Table Support Plate	1
40	6559-040	Set Screw, M6x30	1
41	6559-041	Hex Nut, M6	1
42	6560-047	Support Plate	1
43	6559-043	Flat Washer, Ø5	2
44	6559-044	Lock Washer, Ø5	2
45	6559-045	Socket Head Screw, M5x10	2
46	6560-050	Infeed Screw	1
47	6560-051	Infeed Adjustment Knob	1
48	6559-048	Flat Washer, Ø5	1
49	6559-049	Socket Head Screw, M5x10	1
50	6559-050	Set Screw, M6x30	1
51	6559-051	Hex Nut, M6	1
52	6560-096	Dust Chute	1
53	6559-053	Phillips-Head Screw, M6x25	1
54	6559-054	Socket Head Screw, M5x14	1
55	6559-055	Lock Washer, Ø5	1
56	6559-056	Flat Washer, Ø5	1
57	6560-094	Chip Collector	1
58	6559-058	Cushion	1
59	6559-059	Flat Washer, Ø5	4
60	6559-060	Cord Clamp	1
61	6559-061	Pan Head Screw, M5x16	3
62	6560-095	Chip Exhaust	1
63	6560-100	Fan	1
64	6559-064	Mounting Plate	1
65	6559-065	Flat Washer, Ø5	2
66	6559-066	Lock Washer, Ø5	2
67	6559-067	Socket Head Screw, M5x14	2
68	6559-068	Screw, ST4.2x9.5	6
69	6560-105	Fan Shaft Axle	1
70	6560-106	Ball Bearing, 6000-2Z	2
71	6560-107	Spacer	1
72	6559-072	Retaining Ring, Ø26	1

EXPLODED VIEW & PARTS LIST

No.	Part No.	Description	Qty.
73	6559-073	Fan Pulley	1
74	6559-074	Set Screw, M6x8	1
75	6559-075	Shaft	1
76	6560-084	Cutterhead	1
77	6560-085	Gib Screw	4
78	6559-078	Set Screw, M6x10	3
79	6559-079	Socket Pan Head Screw, M6x16	8
80	6560-082	Blade Clamp	2
81	6560-083	Blade	2
82	6559-082	Drive Pulley	1
83	6559-083	Set Screw, M6x8	2
84	6560-079	Drive Belt, V-groove, 170J	1
85	6560-091	Fan Belt, V-groove, 140J	1
86	6559-086	Cover	1
87	6559-087	Flat Head Screw, M5x10	2
88	6560-075	Blade Guard	1
89		Blade Guard Flange	1
90	6560-074	Bumper	1
91	6559-091	Pan Head Screw, M5x10	1
92	6559-092	Pin	1
93	6560-071	Spring	1
94	6559-094	Spacer	1
95	6560-076	Spring	1
96	6559-096	Hex Nut, M5	1
97	6559-097	Flat Washer, Ø5	1
98	6559-098	Socket Head Screw, M5x14	1
99	6559-099	Cutting Depth Cover	1
100	6559-100	Cutting Depth Window	1
101	6559-101	Flat Head Screw, M3x6	1
102	6559-102	Cutting Depth Pointer	1
103	6559-103	Cutting Depth Scale	1
104	6559-104	Crank	1
105	6559-105	Pan Head Screw, M4x8	1
106	6559-106	Flat Washer, Ø4	
107	6559-107	Pan Head Screw, M5x10	2
108	6559-108	Connecting Bracket	1

No.	Part No.	Description	Qty.
109	6559-109	Cutting Depth Housing	1
110	6559-110	Spring	1
111	6559-111	Depth Gauge	1
112	6559-112	Serrated Washer, Ø5	2
113	6559-113	Flat Washer, Ø5	2
114	6559-114	Lock Washer, Ø5	2
115	6559-115	Pan Head Screw, M5x10	2
116	6559-116	Power Cord	1
117	6559-117	Strain Relief	1
118	6560-062	Motor	1
119	6559-119	Motor Support	1
120	6559-120	Flat Washer, Ø6	4
121	6559-121	Lock Washer, Ø6	4
122	6559-122	Socket Head Screw, M6x16	4
123	6559-123	Flat Washer, Ø5	4
124	6559-124	Lock Washer, Ø5	4
125	6559-125	Socket Head Screw, M5x14	4
126	6560-063	Motor Pulley	1
127	6559-127	Base	1
128	6559-128	Foot	4
129	6559-129	Flat Washer, Ø5	8
130	6559-130	Socket Head Screw, M5x10	8
131	6559-131	Bottom Cover	1
132	6559-132	Flat Washer, Ø4	6
133	6559-133	Screw, ST4.2x9.5	6
134	6559-134	ON/OFF Switch	1
135	6560-123	Spring	1
136	6560-124	Filter bag	1
137	6560-121	Push stick	1
138	6560-122	Push block	1
139	6559-139	Hex wrench, M4	1
140	6559-140	Set Screw M5x6	4
141	6560-061	Carbon Brush	2
142	6560-062.1	Carbon Brush Cap	2
143	6559-143	Flat Washer, 10mm	2
144	6559-144	Spring	1

WARRANTY STATEMENT

WEN Products is committed to building tools that are dependable for years. Our warranties are consistent with this commitment and our dedication to quality.

LIMITED WARRANTY OF WEN CONSUMER POWER TOOLS PRODUCTS FOR HOME USE

GREAT LAKES TECHNOLOGIES, LLC (“Seller”) warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship for a period of two (2) years from date of purchase. Ninety days for all WEN products if the tool is used for professional or commercial use.

SELLER’S SOLE OBLIGATION AND YOUR EXCLUSIVE REMEDY under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Center. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of purchase must be a direct vendor of Great Lakes Technologies, LLC. Third party vendors such as garage sales, pawn shops, resale shops, or any other secondhand merchant void the warranty included with this product. Contact techsupport@wenproducts.com or 1-800-232-1195 to make arrangements for repairs and transportation.

When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the warranty card and/or the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge.

THIS LIMITED WARRANTY DOES NOT APPLY TO ACCESSORY ITEMS THAT WEAR OUT FROM REGULAR USAGE OVER TIME INCLUDING BELTS, BRUSHES, BLADES, ETC. ANY IMPLIED WARRANTIES SHALL BE LIMITED IN DURATION TO TWO (2) YEARS FROM DATE OF PURCHASE. SOME STATES IN THE U.S., SOME CANADIAN PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES (INCLUDING BUT NOT LIMITED TO LIABILITY FOR LOSS OF PROFITS) ARISING FROM THE SALE OR USE OF THIS PRODUCT. SOME STATES IN THE U.S. AND SOME CANADIAN PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

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REMEMBERING**  [®]