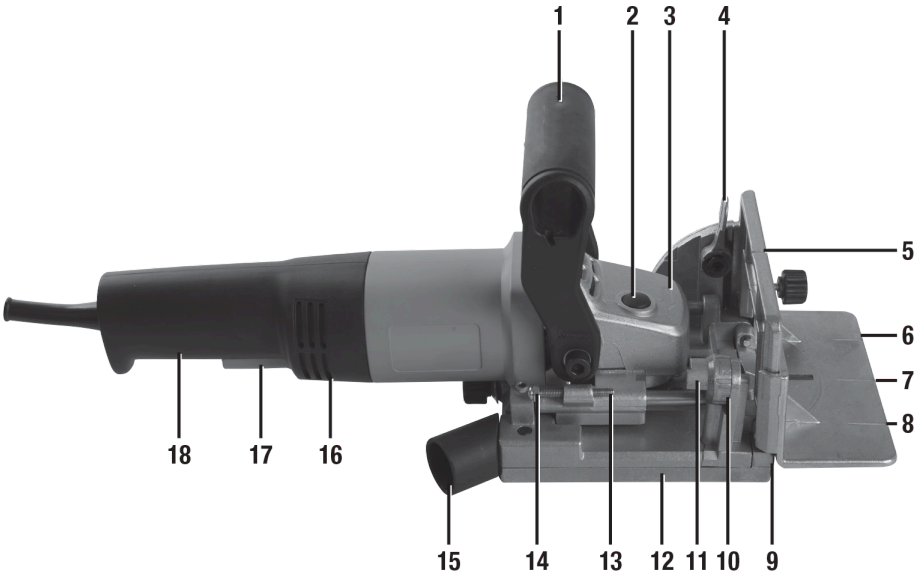
BJ760
Biscuit Jointer
User Manual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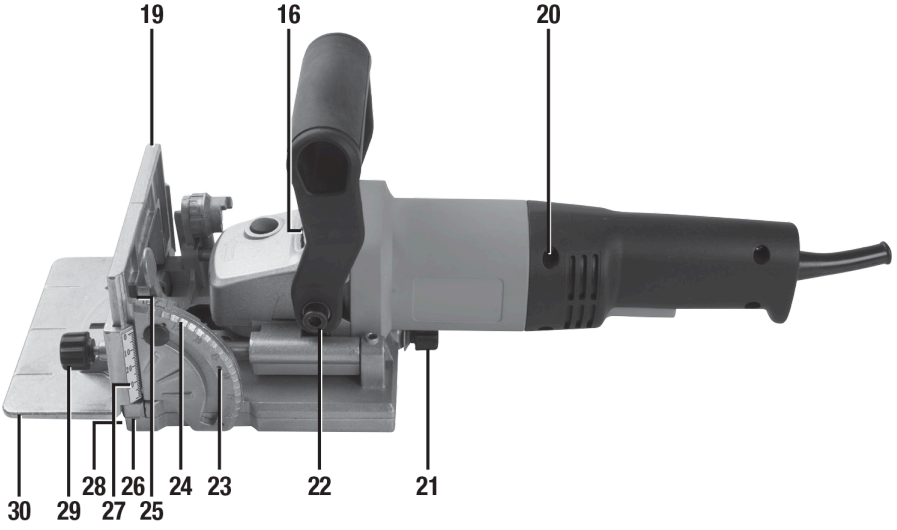
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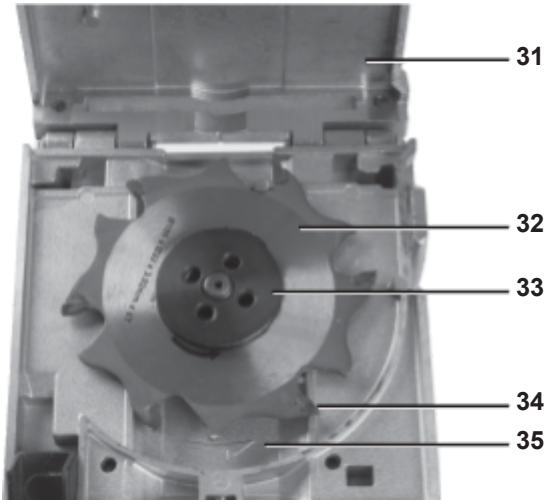


1. Auxiliary Handle
2. Spindle Lock Button
3. Direction Indicator
4. Angle Lock
5. Face Centre Indicator
6. Fence Biscuit Edge Indicator (L)
7. Fence Blade Centre Indicator
8. Fence Biscuit Edge Indicator (R)
9. Non-Slip Pad
10. Depth Indicator
11. Turret Stop
12. Base
13. Depth Stop
14. Depth Stop Locking Nut
15. Dust Port
16. Motor Vent
17. On/Off Trigger Switch
18. Main Handle
19. Face
20. Handle Screws (x 4)
21. Blade Access Knob
22. Auxiliary Handle Bolt (x 2)
23. Click Stop (0°,45° & 90°)
24. Angle Scale
25. Angle Indicator
26. Centre Blade Indicator
27. Fence Height Scale
28. Blade Slot
29. Fence Locking Knob
30. Fence
31. Base Lid
32. Saw Blade
33. Threaded Blade Flange
34. Blade Tooth Tip
35. Direction Indicator

Accessories (not shown): pin spanner, dust bag, hex key & case

Instructions

Introduction

Thank you for purchasing this igooo tool. This manual contains information necessary for safe and effective operation of this product. This product has unique features and, even if you are familiar with similar products, it is necessary to read this manual carefully to ensure you fully understand the instructions. Ensure all users of the tool read and fully understand this manual.

Description of Symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.


Wear hearing protection Wear eye protection Wear breathing protection Wear head protection


Wear hand protection


Read instruction manual


Warning: Sharp blades or teeth!


DO NOT use in rain or damp environments!


Always disconnect from the power supply when adjusting, changing accessories, cleaning, carrying out maintenance and when not in use!


Dust extraction required or recommended


WARNING: Moving parts can cause crush and cut injuries


Caution!


Class II construction (double insulated for additional protection)


Environmental Protection
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Specification

Model no:	BJ760
Voltage:	120V|60Hz
Input power:	6.9A
No load speed:	11,600min-1
Fence angle range:	0 - 90°
Maximum cutting depth:	18mm
Blade diameter:	Ø100mm
Blade:	Ø100 x Ø22 x 3.92mm x 6T
Bore:	Ø22mm
Height adjustment:	0 - 40mm
Ingress protection:	IP20
Protection class:	⧈
Power cord length:	3m
Dimensions (L x W x H):	460 x 138 x 145mm
Weight:	2.65kg
As part of our ongoing product development, specifications of Triton products may alter without notice.	
Sound and vibration information:	
Sound pressure LPA:	92dB(A)
Sound power LWA:	103dB(A)
Uncertainty K:	3dB
Weighted vibration	3.27m/s2
Uncertainty	1.5m/s2
The sound intensity level for the operator may exceed 85dB(A) and sound protection measures are necessary.	

WARNING: Always wear ear protection where the sound level exceeds 85dB(A) and limit the time of exposure if necessary. If sound levels are uncomfortable, even with ear protection, stop using the tool immediately and check the ear protection is correctly fitted and provides the correct level of sound attenuation for the level of sound produced by your tool.

WARNING: User exposure to tool vibration can result in loss of sense of touch, numbness, tingling and reduced ability to grip. Long-term exposure can lead to a chronic condition. If necessary, limit the length of time exposed to vibration and use

anti-vibration gloves. Do not operate the tool with hands below a normal comfortable temperature, as vibration will have a greater effect. Use the figures provided in the specification relating to vibration to calculate the duration and frequency of operating the tool.

Technical Abbreviations Key

Hz	Hertz
DC	Direct current
W, kW	Watt, kilowatt
/min or min^{-1}	Operations per minute
dB(A)	Decibel sound level (A weighted)
m/s^2	Metres per second squared (vibration magnitude)

V	Volts
~, AC	Alternating current
A, mA	Ampere, milli-Amp
n0	No load speed
n	Rated speed
°	Degrees
Ø	Diameter

General Safety

WARNING Read all safety warnings and all instructions. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.*

WARNING: This appliance is not intended for use by persons (including children) with reduced, physical or mental capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. *Children must be supervised to ensure that they do not play with the appliance.*

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1. Work area safety

a. **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*

b. **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.*

c. **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2. Electrical safety

a. **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.*

b. **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.*

c. **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*

d. **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.*

e. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*

f. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

3. Personal safety

a. **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.*

b. **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*

c. **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 energising power tools that have the switch on invites accidents.*

d. **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.*

e. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
f. **Dress properly. Do not wear loose clothing or jewellery.** *Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.*
g. **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.*

4. Power tool use and care

a. **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.*
b. **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.*
c. **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.*
d. **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.*
e. **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.*
f. **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
g. **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.*

5. Service

a. **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.*

Dowel and Biscuit Jointer Safety

- **Jointers must be rated for at least the speed marked on the tool.** *Jointers running over rated speed can fly apart and cause injury.*
- **Always use the guard.** *The guard protects the operator from broken fragments and unintentional contact with the blade.*
- **Hold power tool by insulated gripping surfaces, because the cutter may contact its own cord.** *Cutting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.*
- **Do not allow anyone under the age of 18 years to use this tool.** *Ensure that operators are familiar with these operating and safety instructions.*
- **If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.**
- **It is strongly recommended that the tool always be supplied via a residual current device with a rated residual current of 30 mA or less.**

WARNING: Do not use blunt or damaged blades.

WARNING: Check the proper function of the guard retracting system before use.

Use appropriate respiratory protection: *Use of this tool can generate dust containing chemicals known to cause cancer, birth defects or other reproductive harm. Some wood contains preservatives such as copper chromium arsenate (CCA) which can be toxic. When sanding, drilling, or cutting these materials extra care should be taken to avoid inhalation and minimise skin contact.*

A. **Extension cable reels used with this tool must be completely unravelled.** *Minimum conductor cross section: 1.0mm2*
B. When using this tool outdoors, connect to a power supply with an RCD device and minimum 1.5mm2 extension cable with water protected plugs in good working order
C. **Ensure that the cutter or blade is securely fitted before use.** *Insecure cutters or blades can be ejected from the machine causing a hazard*
D. Always wait until the tool has come to a complete stop before putting it down
E. **When using the tool, use safety equipment including safety glasses or shield, ear defenders, and protective clothing including safety gloves.** *Wear a dust mask if the drilling operation creates dust*
F. Ensure that the lighting is adequate
G. Ensure that the cutter or blade is in NOT contact with the workpiece prior to starting up the tool
H. Use both hands when operating this tool
I. Always fit auxiliary handles supplied with the tool unless the instructions specifically state an exception for

certain tasks

J. Do not put pressure on the tool, to do so would shorten its service life
K. Cutters and blades will get hot during operation, allow to cool prior to handling them
L. Never use your hands to remove sawdust, chips or waste close to the cutter or blade
M. If you are interrupted when operating the tool, complete the process and switch off before looking up
N. Where possible, use clamps or a vice to hold your work
O. Always disconnect the tool from the electric supply before changing a bit
P. **Examine the cutter or blade mounting regularly for signs of wear or damage.** *Have damaged parts repaired by a qualified service centre*
Q. On completion of the work, disconnect the tool from the power source
R. Periodically check all nuts, bolts and other fixings and tighten where necessary

Cutting Tool Safety

WARNING. Before connecting a tool to a power source (mains switch, power point receptacle, outlet, etc.) be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, and damage to the tool. If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

Use the correct cutting tool

- Ensure the cutting tool is suitable for the job. Do not assume a tool is suitable without checking the product literature before use

Protect your eyes

- Always wear appropriate eye protection when using cutting tools
- Spectacles are not designed to offer any protection when using this product; normal lenses are not impact resistant and could shatter

Protect your hearing

- Always wear suitable hearing protection when tool noise exceeds 85dB

Protect your breathing

- Ensure that yourself, and others around you, wear suitable dust mask

Protect your hands

Do not allow hands to get close to the cutting wheel or blades. Use a suitable push stick for shorter workpieces with appropriate power tools

Be aware of others around you

It is the responsibility of the user to ensure that other people in the vicinity of the work area are not exposed to dangerous noise or dust and are also provided with suitable protective equipment

Hidden objects

Inspect the workpiece and remove all nails and other embedded objects before cutting

Do not attempt to cut material that contains embedded objects unless you know that the cutting tool fitted to your machine is suitable for the job

Walls may conceal wiring and piping, car body panels may conceal fuel lines, and long grass may conceal stones and glass. Always check the work area thoroughly before proceeding.

Beware of projected waste

In some situations, waste material may be projected at speed from the cutting tool. It is the user's responsibility to ensure that other people in the work area are protected from the possibility of projected waste

Fitting cutting tools

Ensure cutting tools are correctly and securely fitted and check that wrenches / adjusters are removed prior to use

Only use cutting tools recommended for your machine

Do not attempt to modify cutting tools

Ensure blades are sharp, in good condition and correctly fitted

Do not attempt to resharpen blades that are not suitable for resharpening; these may include specially hardened blades or blades made from hardened alloys typically containing tungsten

Blades that can be resharpened should be resharpened only according the blade manufacturer's instructions. These may include a limited number of times the blade can be resharpened

Sharpened blades should be more thoroughly inspected before use and replaced immediately if there is any doubt about

their condition and suitability for use

In the event blades encounter an embedded object in use that the blades are not suitable for, blades should be replaced immediately

Direction of feed

Always feed work into the blade or cutter against the direction of movement of the blade or cutter

Beware of heat

Cutting tools and workpieces may become hot in use. Do not attempt to change tools until they have been allowed to cool completely

Control dust / swarf

Do not allow dust or swarf to build up. Sawdust is a fire hazard, and some metal swarf is explosive

Be especially careful when cutting wood and metal. Sparks from metal cutting are a common cause of wood dust fires

Where possible, use a dust extraction system to ensure a safer working environment

Intended Use

Portable hand-held mains-operated power tool with a small circular saw blade that cuts slots into wood to create joints suitable for inserting various sizes of wood biscuits.

Unpacking Your Tool

- Carefully unpack and inspect your tool. Fully familiarise yourself with all its features and functions
- Ensure that all parts of the tool are present and in good condition. If any parts are missing or damaged, have such parts replaced before attempting to use this tool.

Before Use

WARNING: Always disconnect this tool from the power supply before attaching or removing accessories, or making any adjustments.

IMPORTANT: Ensure the blade is securely fitted before first use. See 'Changing the saw blade'

Auxiliary Handle

- Fit the Auxiliary Handle (1) using the supplied Auxiliary Handle Bolts (22)
- Adjust the Auxiliary Handle (1) angle position by loosening the 2 Auxiliary Handle Bolts, adjusting and re-tightening the bolts

Dust extraction

- This tool should be connected to a workshop dust extraction system or vacuum cleaner via its Dust Port (15)
- If both are unavailable, the supplied dust bag needs to be fitted, by pushing it on to the Dust Port
- **Note**: If using the dust bag, remove and clean out on a regular basis. Ideally, empty the dust bag when it is half full.

Biscuit Size Guide

Position Marking	Biscuit	Width	Length	Thickness	Cutting Depth
0	#0	15-16mm (5/8")	44-47mm (1-13/16")	4mm (19/128")	8mm (5/16")
10	#10	19mm (13/16")	53-54mm (2-1/16")	4mm (19/128")	10mm (3/8")
20	#20	25mm (15/16")	56-60mm (2-5/16")	4mm (19/128")	12.5mm (1/2")
S	#20	25mm (15/16")	56-60mm (2-5/16")	4mm (19/128")	13mm (1/2")
D	S6	30mm (1-1/8")	85mm (3-3/8")	4mm (19/128")	14.7-15mm (19/32")
MAX	N/A	Turret stop maximum depth of cut as adjusted (18mm (23/32") max)			

Operating Instructions

Machine Preparation

Adjusting the depth of cut

The tool features a Turret Stop (11) with 6 depth positions (0, 10, 20, S, D & Max) and supports a wide range of biscuit dowels or plates. See Biscuit guide below.

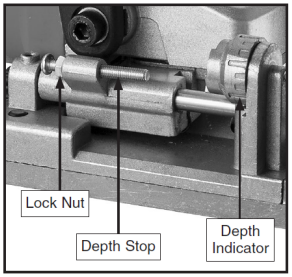
It is recommended to calibrate the tool using the size of biscuit (**Figure 1**). A typical biscuit size is #10.

1. Select position '10' by rotating the Turret Stop (11) until '10' is indicated by the Depth Indicator (10).
2. Push forward on the Auxiliary Handle (1) until the Depth Stop (13) contacts the Turret Stop (11) and measure the length of the exposed blade protruding from the Blade Slot.
3. (28). Ensure one Blade Tooth Tip (34) is at the maximum distance from the slot by rotating the Saw Blade (32) so a Blade Tooth Tip is in the middle then measure from this tip to the surface of the Blade Slot.
4. The measurement should be 10mm for #10 as indicated in the chart below. If different loosen the Depth Stop Locking Nut (14) and adjust the Depth Stop to reduce or extend its length to the required 10mm blade depth.
5. Once correctly set, tighten the Depth Stop Locking Nut. (**Figure 2**)

WARNING: Failure to correctly adjust the cutting depth could cause damage to the workpiece.

Note: The other depth positions on the Turret Stop will now be correctly set with the most accurate being the position used for calibration.

Note: Always make a trial cut on scrap material to confirm the settings.



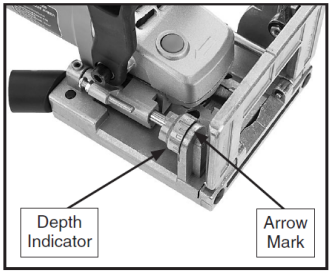


Figure 1 Location of cutting depth adjustment components. **Figure 2 Depth indicator aligned with arrow mark.**

Adjusting the cutting height

Note: The groove for the biscuit dowel is normally in the middle of the workpiece edge so the cutting height needs to be adjusted to half the thickness of the material.

• The cutting height with the fitted Fence (30) can be adjusted from 0 – 40mm.
2. Release the Fence Locking Knob (29)
3. Position the Fence at the required height using the Fence Height Scale (27)
4. Tighten the Fence Locking Knob to lock at the height required

Setting the fence angle

The Fence (30) has 90° of angle adjustment, with click-stops for quick and easy setting of 0°, 45° and 90° for angled cuts (image C).

To set the angle required:

1. Release the Angle Lock (4) by pulling it away from the Face (19)

2. Adjust the Face to the required angle using the Angle Scale (24) and Angle Indicator (25)

3. Tighten the Angle Lock so that the Fence is secured at the required angle

Note: Check the Fence is securely locked in position before cutting; failure to do so may result in damage to the workpiece or the machine if it moves during use

Note: The Angle Scale is approximate only; use additional angle measuring equipment if necessary, to check the fence angle

IMPORTANT: It is recommended to use two hands where possible when operating the tool. Hold the Main Handle (18) of the jointer in one hand, with a finger resting comfortably on the On/Off Trigger Switch (17) and with the other hand hold the Auxiliary Handle (1) so the tool is securely held.

IMPORTANT: Check the guard mechanism is operating smoothly and correctly before actual use.

Switching on and off

- To start the tool squeeze the On/Off Trigger Switch (17)
- Release the On/Off Trigger Switch to turn off

Workpiece Preparation

Properly mark your workpieces to avoid incorrect biscuit placement and wasted material. The following example illustrates a typical biscuit joining layout.

Laying Out Cuts

1. Place edges of (2) workpieces flush against each other on a smooth, flat surface. Verify board ends line up.
2. Place marks 2½"–3" from each end of one board.

Note: *If distance between marks is greater than 6", place additional marks at 4"–6" intervals (see **Figure 3**).*

3. Use a square to draw layout lines across boards through marks, then make registration marks on edge of each board to ensure correct edge is cut (see **Figure 4**).

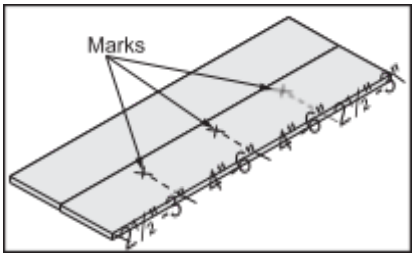


Figure 3. Biscuit location marks.

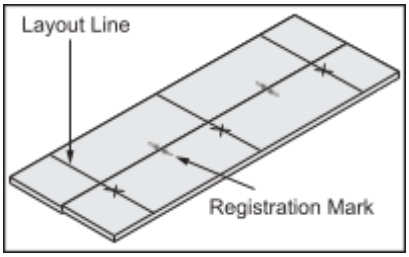


Figure 4. Layout lines and registration marks.

Securing Workpiece

Your workpiece must be properly secured before making cuts. Cutting biscuit grooves with a biscuit joiner places pressure on the edge of the workpiece, which can cause an improperly secured workpiece to shift on the workbench, resulting in personal injury or damage to the tool or workpiece.

Use clamps to secure workpiece on workbench. Edge of workpiece should hang slightly over edge of workbench (see **Figure 5**)

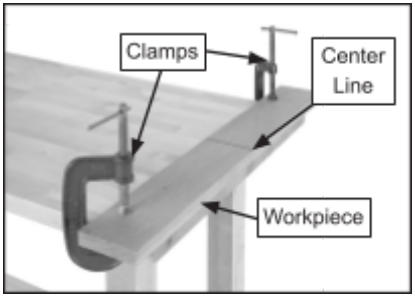


Figure 5. Example of workpiece setup.

Cutting Biscuit Grooves

To cut biscuit grooves:

1. Place fence on workpiece so front groove and rear groove line up with layout line, as shown in **Figure 6**. Make sure faceplate contacts edge of workpiece.
2. Turn biscuit joiner ***ON*** and allow motor to reach full speed.
3. With both hands holding tool, slowly push blade into workpiece, as shown in **Figure 7**, making sure joiner grooves remain aligned with layout line on workpiece, as described in **Step 1**.
4. Once blade reaches full depth, slide joiner body backward, allowing blade to retract into base plate.
5. Turn joiner OFF and wait for motor to come to a complete stop before setting tool down.

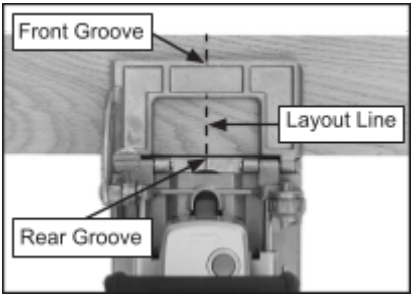


Figure 6. Biscuit joiner aligned with workpiece.

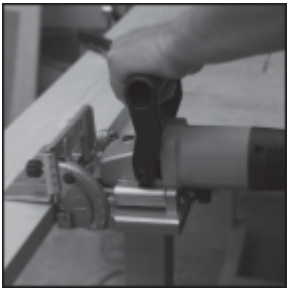


Figure 7. Biscuit joining operation

Gluing Biscuits

Once all biscuit grooves have been cut, test-fit biscuits with a "dry fit" prior to the glue-up. Place a biscuit in each groove, and fit the pieces together to check for proper alignment.

Once a proper fit is verified, apply glue to workpiece edges and grooves, insert biscuits into grooves, then clamp according to the needs of the material and the glue manufacturer's instructions.

Changing Blade

This tool accepts 4" blades with either a 20mm or 22mm bore, depending on the position of the inner flange.

Warning: To reduce risk of injury, always disconnect power from joiner before changing blades. Since blade is sharp, use extra care and wear gloves when installing it.

To change blade:

1. DISCONNECT TOOL FROM POWER!

2. Loosen fence lock knob (29) and then slide fence(30) up to remove it from faceplate (19).
3. Turn tool over so bottom of sliding base is facing upward.
4. Loosen blade access knob (21) until the sliding base lid(31) can be raised.
5. Press spindle lock button(2) and use spanner wrench to turn outer flange(33) until spindle lock engages spindle (see **Figure 8**).
6. Continue to press spindle lock button, and use spanner wrench to loosen outer flange.
7. Remove blade and outer flange from spindle.

Note: *If switching between blades with 20mm and 22mm bores, flip inner flange over before installing new blade to accommodate change in bore size (see **Figure 9**).*

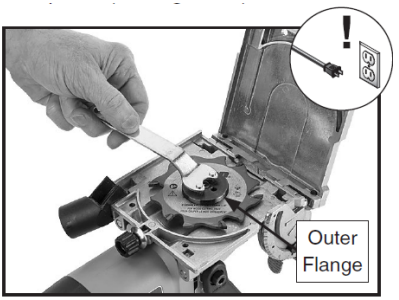


Figure 8 Removing blade with spanner wrench

8. Install new blade, verify teeth face correct direction for rotation of spindle, as shown in **Figure 10**.
9. Place outer flange on spindle, press spindle lock button, and tighten outer flange with spanner wrench.
10. Close sliding base lid and tighten blade access knob.
11. Install fence to desired height.

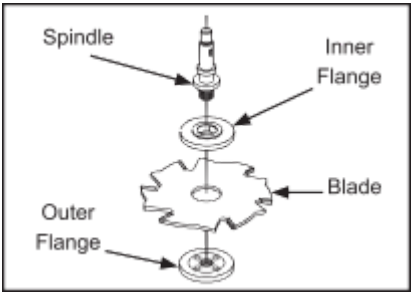


Figure 9. Proper orientation of blade for assembly.

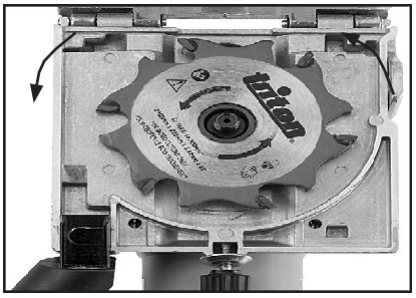


Figure 10. Blade installed with teeth facing correct direction.

Maintance

For optimum performance from this tool, routinely check the condition of the following items and repair or replace as necessary. Loose bolts, Damaged bits, Worn or damaged wires; Any other unsafe condition.

Cleaning

Use a brush and a shop vacuum to remove wood chips and other debris from the tool, particularly from around the blade slot on the sliding base. Never blow off the tool with compressed air, as this could force wood chips deeper into the motor vents. Use a clean cloth to wipe away any dust remaining after each operation.

Note: *DO NOT use caustic cleaners on plastic parts. If dry cleaning is insufficient, a mild detergent on a damp cloth is recom- mended. Keep water away from tool at all times.*

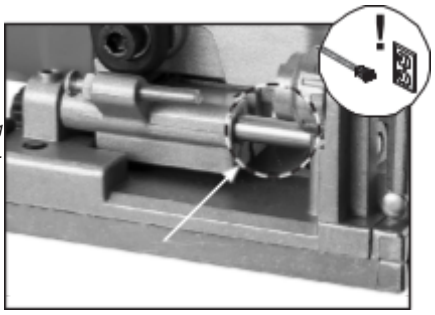


Figure 11. Location of sliding base guide rail (1 of 2).

Lubrication

Periodically lubricate all moving parts with a light machine oil as needed. Place a drop of oil on the guide rails on both sides of the sliding base (see Figure 11), then slide the base back and forth, working the oil across the rails. Use a clean rag to wipe off any excess oil, which can collect sawdust or stain the workpiece.

Replacing Brushes

- This tool has a universal motor that uses two carbon brushes to transmit electrical current inside the motor.
- These brushes are considered to be regular "wear items" or "consumables" that will need to be replaced during the life of the motor. The frequency of required replacement is related to how much the motor is used and how hard it is pushed.
- Replace both carbon brushes at the same time when the motor no longer reaches full power, or when the brushes measure less than ¼" long (new brushes are ⅝" long).

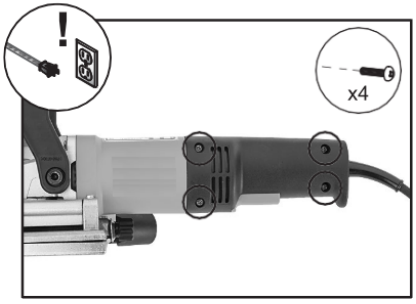


Figure 12. Location of main handle fasteners.

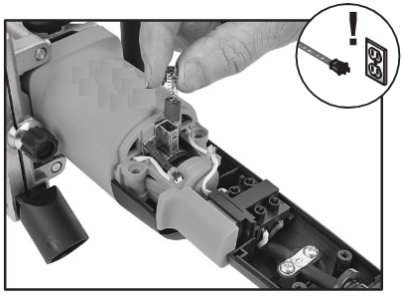


Figure 13. Replacing motor brush (1 of 2).

To replace motor brushes:

1. DISCONNECT TOOL FROM POWER!
2. Remove (4) tap screws from left side of main joiner handle (see **Figure 12**), and separate both sides of handle.

Note: *Make sure not to pull on or dam- age the wires located in main handle during disassembly.*

3. Locate and remove (2) motor brushes (see **Figure 13**).

Note: *If removing the brushes by hand is too difficult, carefully use a small screwdriver to push down on the brush holder tabs to release them.*

4. Replace motor brushes and install main handle.

Troubleshooting

Symptom	Possible Cause	Possible Solution
Tool does not start, or power-supply fuse/ breaker trips after startup.	1.Power supply circuit breaker tripped or fuse blown. 2.Incorrect power supply voltage or circuit size. 3.Wiring broken, disconnected, or corroded. 4.Motor brushes at fault. 5.ON/OFF switch at fault. 6.Motor at fault.	1. Ensure circuit is sized correctly/free of shorts. Reset circuit breaker/replace fuse. 2. Ensure correct power supply voltage and circuit size. 3. Check/fix broken, disconnected, or corroded wires. 4. Remove/replace. 5. Replace switch. 6. Test/repair/replace.
Tool stalls or is underpowered.	1.Workpiece material not suitable for tool. 2.Tool undersized for task. 3.Dust bag at fault. 4.Blade at fault. 5.Motor brushes at fault. 6.Motor bearings at fault. 7.Motor overheated. 8.Motor at fault.	1. Only cut wood/ensure moisture is below 20%. 2. Reduce feed rate/depth of cut. 3. Empty bag/clear dust port. 4. Remove/replace. 5. Remove/replace. 6. Test/repair/replace. 7. Clean motor, let cool, and reduce workload. 8. Test/repair/replace.
Tool has vibration or noisy operation.	1.Motor, blade, or component loose. 2.Blade at fault. 3.Workpiece loose. 4.Motor bearings at fault.	1. Tighten if loose. Replace damaged or missing bolts/ nuts. 2. Remove/replace. 3. Use the correct holding fixture/reclamp workpiece. 4. Test by rotating shaft; rotational grinding/loose shaft requires bearing replacement.
Blade is burning workpiece.	1.Blade at fault.	1. Remove/replace.

WARRANTY & RETURNS

MEMS HOLDING LIMITED warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is igooo's sole written warranty and warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall igooo's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against igooo shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards, and we hope you never need to use this warranty.

In the event you need to use this warranty, contact us by mail and give us all the details.

Please feel free to contact us if you have any questions about the machine or the manual. Thank you again for your business and continued support. We hope to serve you again soon.

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