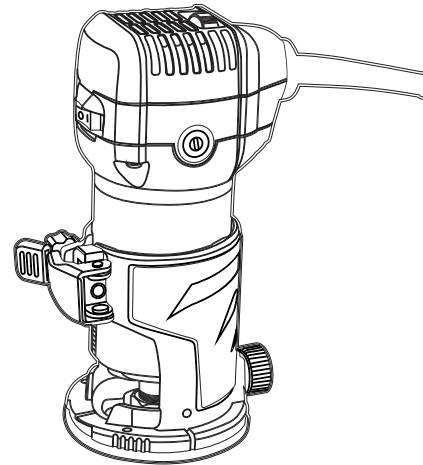
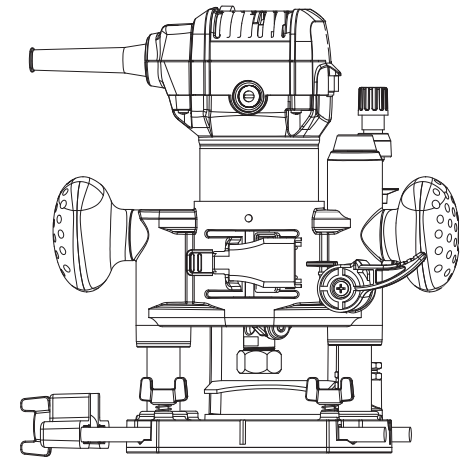


ENHULK

Compact Router



**M1DP-XT-10
(R0700)**



**M1DP-XT-10
(R0700+0701)**

SYVIO TECHNOLOGY.CO.LIMITED
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Shanghai Street,Mong kok,Hong Kong
0086-133-2298-6467
service@enhulktools.com
Made in China



**Please Read Carefully Before Use
Original Instruction Manual**

General Power Tool Safety



Warnings

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

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.

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

Electrical Safety

4. **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.
5. **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.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **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.
8. **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.
9. **If operating a power tool in a damp location is unavoidable, use a ground fault circuit interrupter (GFCI) protected supply.** Use of an GFCI reduces the risk of electric shock.

Personal Safety

10. **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.

11. **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.
12. **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.
13. **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.
14. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
15. **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.
16. **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.
17. **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.

Power Tool Use And Care

18. **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.
19. **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.
20. **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.
21. **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.
22. **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.
23. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

Safety Instruction

24. 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.
25. Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

Service

26. 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.
 27. Follow instruction for lubricating and changing accessories.
 28. Keep handles dry, clean and free from oil and grease.
 29. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly persons in order to avoid a hazard.
- **USE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. 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. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Table 1: Minimum gage for cord

Ampere Rating		Volts	Total Length Of Cord In Feet			
			25ft.	50ft.	100ft.	150ft.
		AWG				
More Than	Not More Than		18	16	16	14
0	6		18	16	14	12
6	10		16	16	14	12
10	12		14	12	Not Recommended	
12	16					

Trimmer Safety Warnings

1. 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 shock the operator.
2. Use clamps or another practical way to secure and support the workpiece to a stable platform. Holding the work by your hand or against the body leaves it unstable and may lead to loss of control.
3. Wear hearing protection during extended period of operation.
4. Handle the bits very carefully.
5. Check the bit carefully for cracks or damage before operation. Replace cracked or damaged bit immediately.
6. Avoid cutting nails. Inspect for and remove all nails from the workpiece before operation.


7. Hold the tool firmly.
8. Keep hands away from rotating parts.
9. Make sure the bit is not contacting the workpiece before the switch is turned on.
10. Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate improperly installed bit.
11. Be careful of the bit rotating direction and the feed direction.
12. Do not leave the tool running. Operate the tool only when hand-held.
13. Always switch off and wait for the bit to come to a complete stop before removing the tool from workpiece.
14. Do not touch the bit immediately after operation; it may be extremely hot and could burn your skin.
15. Do not smear the tool base carelessly with thinner, gasoline, oil or the like. They may cause cracks in the tool base.
16. Use bits of the correct shank diameter suitable for the speed of the tool.
17. Some material contains chemicals which may be toxic. Take caution to prevent dust inhalation and skin contact. Follow material supplier safety data.
18. Always use the correct dust mask/respirator for the material and application you are working with.



⚠ Warnings

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. Misuse or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

Symbols

The followings show the symbols used for tool.

V	Volts
A	Amperes
Hz	Hertz
	Alternating Current
n	No load Speed

	Class II Construction
.../min r/min	Revolutions Or Reciprocation Per Minute
	Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

Technical Data

Model	M1DP-XT-10
Collet Chuck Capacity	1/4", 3/8"
No Load Speed	10,000-32,000/min.
Overall Length	200mm(7-7/8")
Net Weight	1.8(3.9lbs)

- Due to our continuing programme of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- Weight according to EPTA-Procedure 01/2003

Functional Description/Trimmer Bits

Trimmer Bits

- 1/4" Ball bearing corner rounding bit



- 3/8" Straight bit



- 1/4" Straight bit



- 1/4" Ball bearing cove beading bit

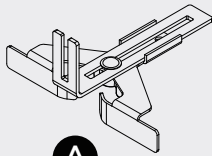
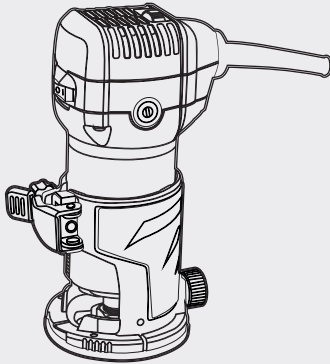


- 3/8" Ball bearing flush trimming bit

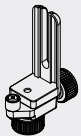


Functional Description

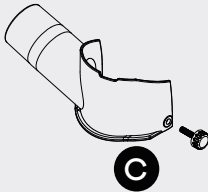
**M1DP-XT-10
(R0700)**



A



B



C



D



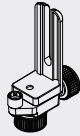
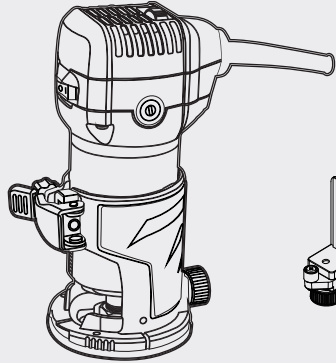
E



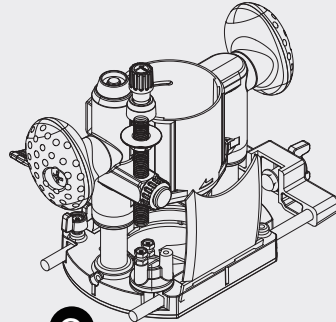
F

- (A) Straight Guide Ruler
- (B) Trimmer Guiding
- (C) Transparent Cover
- (D) Wrench
- (E) 3/8" collet
- (F) Carbon Brush

**M1DP-XT-10
(R0700+0701)**



B

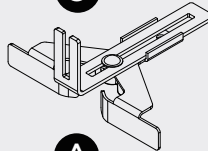


E

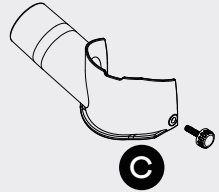


F

G



A



C



D

- (A) Straight Guide Ruler
- (B) Trimmer Guiding
- (C) Transparent Cover
- (D) Wrench
- (E) 3/8" collet
- (F) Carbon Brush
- (G) Base

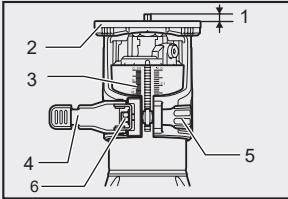
Functional Description

Assembly

⚠ Caution:

Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

Adjusting Bit Protrusion



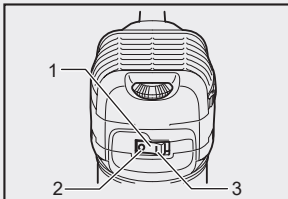
1. Bit protrusion
2. Tool base
3. Scale
4. Locking lever
5. Adjusting screw
6. Hex nut

To adjust the bit protrusion, loosen the locking lever and move the tool base up or down as desired by turning the adjusting screw. After adjusting, tighten the locking lever firmly to secure the tool base.

Note:

When the tool is not secured even if the locking lever is tightened, tighten the hex nut and then tighten the locking lever.

Switch Action



1. Switch
2. (O) side
3. (I) side

⚠ Caution:

- Before plugging in the tool, always check to see that the tool is switched off.
- To start the tool, press the "(I)" side of the switch.
- To stop the tool, press the "(O)" side of the switch.

Electronic Function

The tool equipped with electronic function are easy to operate because of the following features.

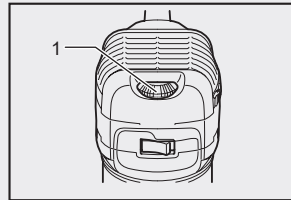
Constant Speed Control

Electronic speed control for obtaining constant speed. Possible to get fine finish, because the rotating speed is kept constant even under load condition.

Soft Start

Soft-start feature minimizes start-up shock, and makes the tool start smoothly.

Speed Adjusting Dial



1. Speed adjusting dial

- The tool speed can be changed by turning the speed adjusting dial to a given number setting from 1 to 6.
- Higher speed is obtained when the dial is turned in the direction of number 6. And lower speed is obtained when it is turned in the direction of number 1.
- This allows the ideal speed to be selected for optimum material processing, i.e. the speed can be correctly adjusted to suit the material and bit diameter.
- Refer to the table for the relationship between the number settings on the dial and the approximate tool speed.

Number	min ⁻¹
1	10,000
2	12,000
3	17,000
4	22,000
5	27,000
6	32,000

⚠ Caution:

- If the tool is operated continuously at low speeds for a long time, the motor will get overloaded, resulting in tool malfunction.
- The speed adjusting dial can be turned only as far as 6 and back to 1. Do not force it past 6 or 1, or the speed adjusting function may no longer work.

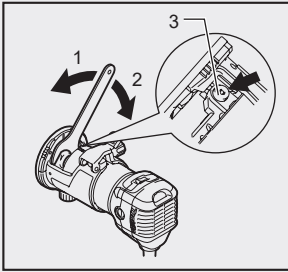
Operating Instructions

Assembly

⚠ Caution:

Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Installing Or Removing Trimmer Bit

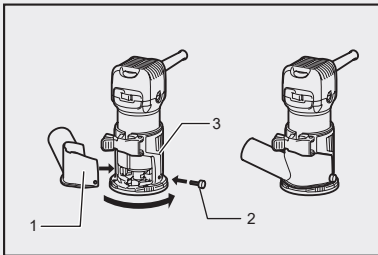


1. Tighten
2. Loosen
3. Shaft Lock

⚠ Caution:

- Do not tighten the collet nut without inserting a bit, or the collet cone will break.
- Use only the wrenches provided with the tool. Insert the bit all the way into the collet cone and tighten the collet nut securely with the two wrenches or by pressing the shaft lock and using the provided wrench. To remove the bit, follow the installation procedure in reverse.

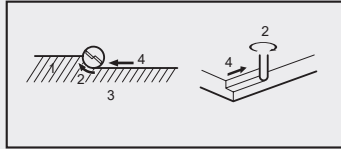
Operation For The Trimmer Base



1. Dust nozzle
2. Thumb screw
3. Trimmer base

⚠ Warnings

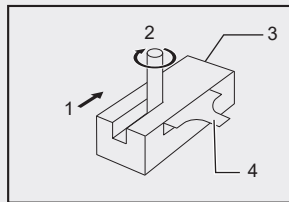
- Before using the tool with the trimmer base, always install the dust nozzle on the trimmer base.
- Set the tool base on the workpiece to be cut without the bit making any contact. Then turn the tool on and wait until the bit attains full speed. Move the tool forward over the workpiece surface, keeping the tool base flush and advancing smoothly until the cutting is complete.
- When doing edge cutting, the workpiece surface should be on the left side of the bit in the feed direction.



1. Workpiece
2. Bit revolving direction
3. View from the top of the tool
4. Feed direction

Note:

- Moving the tool forward too fast may cause a poor quality of cut, or damage to the bit or motor. Moving the tool forward too slowly may burn and mar the cut. The proper feed rate will depend on the bit size, the kind of workpiece and depth of cut. Before beginning the cut on the actual workpiece, it is advisable to make a sample cut on a piece of scrap lumber. This will show exactly how the cut will look as well as enable you to check dimensions.
- When using the trimmer shoe, the straight guide or the trimmer guide, be sure to keep it on the right side in the feed direction. This will help to keep it flush with the side of the workpiece.



1. Feed direction
2. Bit revolving direction
3. Workpiece
4. Straight guide

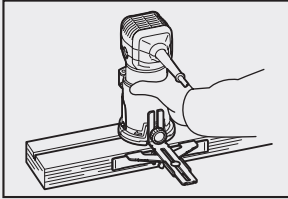
⚠ Warnings

Since excessive cutting may cause overload of the motor or difficulty in controlling the tool, the depth of cut should not be more than 3 mm at a pass when

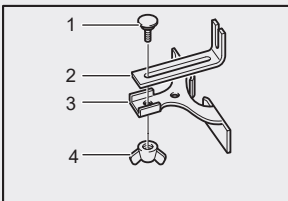
Operating Instructions

cutting grooves. When you wish to cut grooves more than 3 mm deep, make several passes with progressively deeper bit settings.

Straight Guide

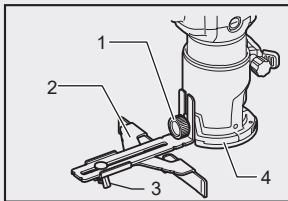


The straight guide is effectively used for straight cuts when chamfering or grooving.



1. Bolt
2. Guide plate
3. Straight guide
4. Wing nut

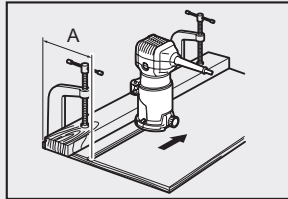
Attach the guide plate to the straight guide with the bolt and the wing nut.



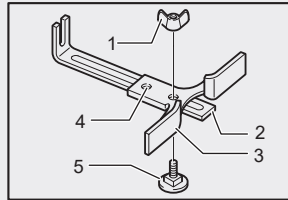
1. Clamp screw (A)
2. Straight guide
3. Wing nut
4. Base

- Attach the straight guide with the clamp screw (A). Loosen the wing nut on the straight guide and adjust the distance between the bit and the straight guide. At the desired distance, tighten the wing nut securely.
- When cutting, move the tool with the straight guide flush with the side of the workpiece.

- If the distance (A) between the side of the workpiece and the cutting position is too wide for the straight guide, or if the side of the workpiece is not straight, the straight guide cannot be used. In this case, firmly clamp a straight board to the workpiece and use it as a guide against the trimmer base. Feed the tool in the direction of the arrow.



Circular Work



1. Wing nut
2. Guide plate
3. Straight guide
4. Center hole
5. Bolt

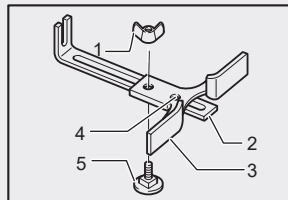
- Circular work may be accomplished if you assemble the straight guide and guide plate as shown in the figures.

- Min. and max. radius of circles to be cut (distance between the center of circle and the center of bit) are as follows:

Min.: 70 mm

Max.: 221 mm

- For cutting circles between 70 mm and 121 mm in radius. For cutting circles between 121 mm and 221 mm in radius.

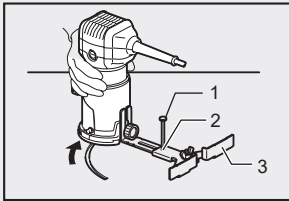


Operating Instructions

1. Wing nut
2. Guide plate
3. Straight guide
4. Center hole
5. Bolt

Note:

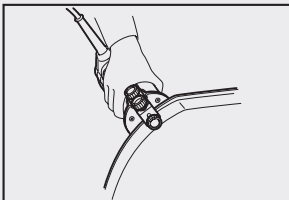
- Circles between 172 mm and 186 mm in radius cannot be cut using this guide.



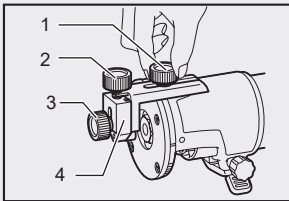
1. Nail
2. Center hole
3. Straight guide

Align the center hole in the straight guide with the center of the circle to be cut. Drive a nail less than 6 mm in diameter into the center hole to secure the straight guide. Pivot the tool around the nail in clockwise direction.

Trimmer Guide



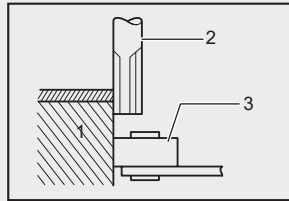
Trimming, curved cuts in veneers for furniture and the like can be done easily with the trimmer guide. The guide roller rides the curve and assures a fine cut.



1. Clamp screw (A)
2. Adjusting screw
3. Clamp screw (B)

4. Trimmer guide

Install the trimmer guide on the tool base with the clamp screw (A). Loosen the clamp screw (B) and adjust the distance between the bit and the trimmer guide by turning the adjusting screw (1 mm per turn). At the desired distance, tighten the clamp screw (B) to secure the trimmer guide in place.



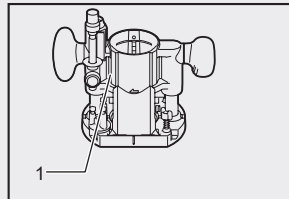
1. Workpiece
2. Bit
3. Guide roller

When cutting, move the tool with the guide roller riding the side of the workpiece.

When Using As A Router Only With A Plunge Base

⚠ Caution:

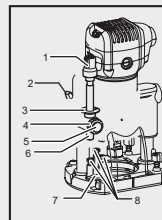
When using as a router, hold the tool firmly with both hands.



1. Plunge base

To use the tool as a router, install the tool on a plunge base by pressing it down fully.

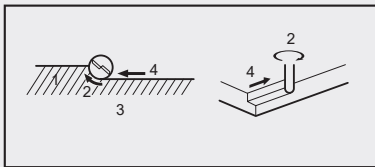
Adjusting The Depth Of Cut When Using The Plunge Base



1. Adjusting knob
2. Lock lever
3. Depth pointer
4. Stopper pole setting nut
5. Fast-feed button
6. Stopper pole
7. Stopper block
8. Adjusting bolt

Operating Instructions

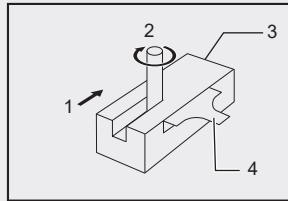
- Place the tool on a flat surface. Loosen the lock lever and lower the tool body until the bit just touches the flat surface. Tighten the lock lever to lock the tool body.
- Turn the stopper pole setting nut counterclockwise. Lower the stopper pole until it makes contact with the adjusting bolt. Align the depth pointer with the "0" graduation. The depth of cut is indicated on the scale by the depth pointer. While pressing the fast-feed button, raise the stopper pole until the desired depth of cut is obtained. Minute depth adjustments can be obtained by turning the adjusting knob (1 mm per turn).
- By turning the stopper pole setting nut clockwise, you can fasten the stopper pole firmly.
- Now, your predetermined depth of cut can be obtained by loosening the lock lever and then lowering the tool body until the stopper pole makes contact with the adjusting hex bolt of the stopper block.
- Always firmly hold the tool by both grip during operation. Set the tool base on the workpiece to be cut without the bit making any contact. Then turn the tool on and wait until the bit attains full speed. Lower the tool body and move the tool forward over the workpiece surface, keeping the tool base flush and advancing smoothly until the cutting is complete.
- When doing edge cutting, the workpiece surface should be on the left side of the bit in the feed direction.



1. Workpiece
2. Bit revolving direction
3. View from the top of the tool
4. Feed direction

Note:

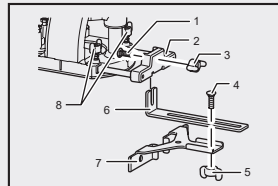
- Moving the tool forward too fast may cause a poor quality of cut, or damage to the bit or motor. Moving the tool forward too slowly may burn and mar the cut. The proper feed rate will depend on the bit size, the kind of workpiece and depth of cut. Before beginning the cut on the actual workpiece, it is advisable to make a sample cut on a piece of scrap lumber. This will show exactly how the cut will look as well as enable you to check dimensions.
- When using the straight guide, be sure to install it on the right side in the feed direction. This will help to keep it flush with the side of the workpiece.



1. Feed direction
2. Bit revolving direction
3. Workpiece
4. Straight guide

Straight Guide When Using As A Router (Needed to Use With Guide Holder)

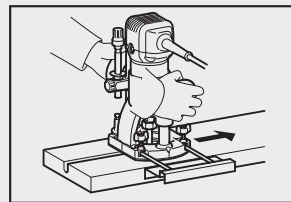
The straight guide is effectively used for straight cuts when chamfering or grooving.



1. Bolt
2. Guide holder
3. Wing nut
4. Bolt
5. Wing nut
6. Guide plate
7. Straight guide
8. Wing bolts

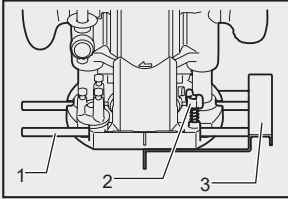
- Install the straight guide on the guide holder (optional accessory) with the wing nut.
- Insert the guide holder into the holes in the plunge base and tighten the wing bolts. To adjust the distance between the bit and the straight guide, loosen the wing nut. At the desired distance, tighten the wing nut to secure the straight guide in place.

Straight Guide



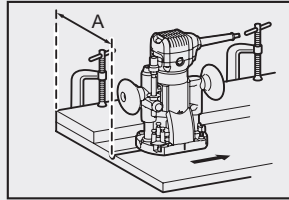
Operating Instructions

The straight guide is effectively used for straight cuts when chamfering or grooving.



1. Guide bar
2. Wing bolt
3. Straight guide

- To install the straight guide, insert the guide bars into the holes in the plunge base. Adjust the distance between the bit and the straight guide. At the desired distance, tighten the wing bolts to secure the straight guide in place.
- When cutting, move the tool with the straight guide flush with the side of the workpiece.



If the distance (A) between the side of the workpiece and the cutting position is too wide for the straight guide, or if the side of the workpiece is not straight, the straight guide cannot be used. In this case, firmly clamp a straight board to the workpiece and use it as a guide against the router base. Feed the tool in the direction of the arrow.

Maintenance

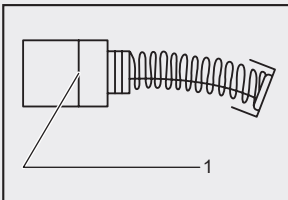
⚠ Caution:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

Note:

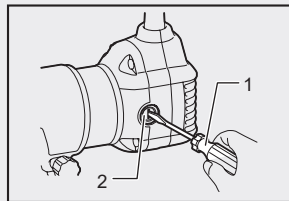
Always disassemble this base after use to clean and store. And store the base separately.

Replacing Carbon Brushes



1. Limit mark

- Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders.
- Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



1. Screwdriver

2. Brush holder cap

- Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

Troubleshooting

Problem	Possible casues	Remedy
Tool can't start	Check the plug contact is ok or not/Check the switch is OFF(O) or ON(I)/the power socket is switch on or not.	Replug /Press the "ON (I)" side of the switch/switch on the power
Tool can't start or big spark when start the tool	Carbon brush was broken or use up	Change a new carbon brush
Bit can't install to collet	The size of collet and bit not match.	Change the collet or bit
Bit install to collet, but can't tight	The size of collet and bit not match.	Check the size of collet and bit(Metric or British)
Lock pin can't lock into the lock spindle	The lock pin may slightly change position, not match with its original position after long time use	Use an extra wrench to lock the spindle
Smell of burning or smoking when using tool	Motor has problem/something into the motor house	Send to maintenance departmet to check and service
Bit is not stable after installed	Worn in collet/have something in collet /Bit was not properly installed	Change new collet/Clean collet/Disassemble and reinstall bit
The tool won't lock up in the base	Lock nut loose/Long-term over-locking, resulting in locking fatigue	Tighten the lock nut a little
The wood turned black when the trimming wood	The bit is blunt or over force on hand	Change new bit or reduce force

Guarantee

Guarantee

Dear Customer,

This equipment is provided with a 2-year guarantee from the date of purchase. In case of defects, you have statutory rights against the seller of the product. These statutory rights are not restricted by our guarantee presented below. Terms of Guarantee the term of the guarantee begins on the date of purchase, please retain the original receipt and it's required as proof of purchase. If a material or manufacturing defect occurs within 2-year of the date of the purchasing, we will repair or replace the product for you free of charge. This guarantee requires the defective equipment and proof of purchase to be presented within the 2-year period with a brief written description of what constitutes the defect and when it occurred. If the defect is covered by our guarantee, you will receive either the repaired product or a new product. No new guarantee period begins on repair or replacement of the product.

Guarantee Period And Statutory Claims For Defects

The guarantee period is not extended by the guarantee service. This also applies for replaced or repaired parts. Any damages and defects already present at the time of purchase must be reported immediately after unpacking.