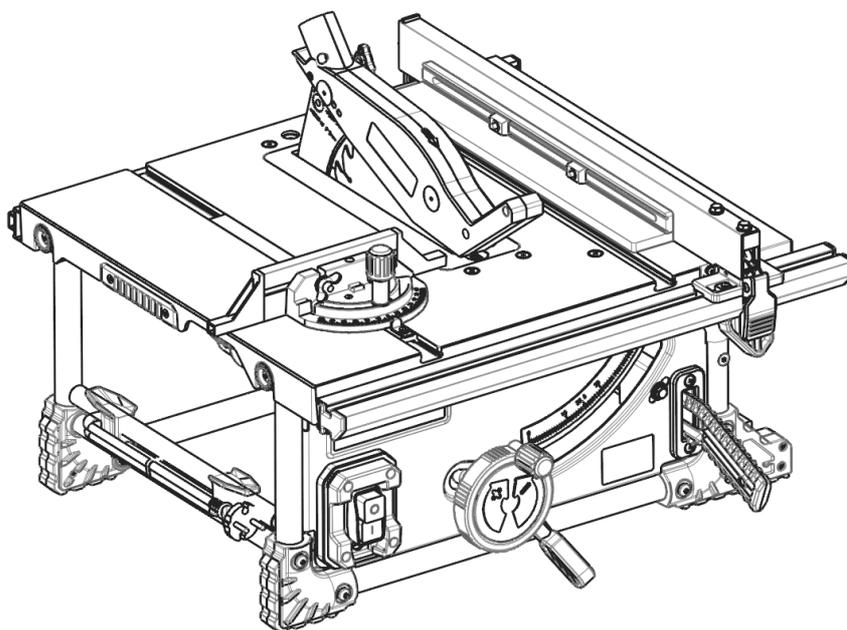




Original operating instructions

Bench-type circular saw

Model: M1H-ZP3-210



2019

**Danger! Read all safety regulations and instructions.
Keep all safety regulations and instructions in a safe place for future use.**

Manufacture: Zhejiang Huafeng Electric Tools Co., Ltd.

Address: Xiaoshun Town, Jinhua, Zhejiang 321035, P.R.China

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Symbol



Danger! Read all safety regulations and instructions.



Caution! Wear ear-muffs. The impact of noise can cause damage to hearing.



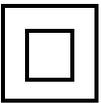
Caution! Wear a breathing mask. Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!



Caution! Wear safety goggles. Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.



Caution! Risk of injury! Do not reach into the running saw blade.



Double insulated for additional protection (Class II tool).



Conforms to relevant safety standards from **European** directives

1. Safety regulations



WARNING! Read all safety warnings instructions, illustrations and specifications provided with this power tool. *Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.*

Save all warnings and instructions for future reference.

1) Work area safety

a) Keep work area clean and well lit. *Cluttered and 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 safety equipment. Always wear eye protection. *Safety 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 energizing 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 these devices can reduce dust related hazards*

h) 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.*

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 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 tools 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. *Use of the power tool for operations different from intended could result in a hazardous situation.*

h) 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.

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.*

2. Additional Safety Instructions For Table Saws

1) Guarding related warnings

a) Keep guards in place. Guards must be in working order and be properly mounted. A guard that is loose, damaged, or is not functioning correctly must be repaired or replaced.

b) Always use saw blade guard, riving knife and anti-kickback device for every through-cutting operation. For through-cutting operations where the saw blade cuts completely through the thickness of the workpiece, the guard and other safety devices help reduce the risk of injury.

c) Immediately reattach the guarding system after completing an operation (such as rabbeting, dadoing or resawing cuts) which requires removal of the guard, riving knife and/or anti-kickback device. The guard, riving knife, and anti-kickback device help to reduce the risk of injury.

d) Make sure the saw blade is not contacting the guard, riving knife or the workpiece before the switch is turned on. Inadvertent contact of these items with the saw blade could cause a hazardous condition.

e) Adjust the riving knife as described in this instruction manual. Incorrect spacing, positioning and alignment can make the riving knife ineffective in reducing the likelihood of kickback.

f) For the riving knife and anti-kickback device to work, they must be engaged in the workpiece. The riving knife and anti-kickback device are

ineffective when cutting workpieces that are too short to be engaged with the riving knife and anti-kickback device. Under these conditions a kickback cannot be prevented by the riving knife and antikickback device.

g) **Use the appropriate saw blade for the riving knife.** For the riving knife to function properly, the saw blade diameter must match the appropriate riving knife and the body of the saw blade must be thinner than the thickness of the riving knife and the cutting width of the saw blade must be wider than the thickness of the riving knife.

2) Cutting procedures warnings

a)  **DANGER: Never place your fingers or hands in the vicinity or in line with the saw blade.**

A moment of inattention or a slip could direct your hand towards the saw blade and result in serious personal injury.

b) **Feed the workpiece into the saw blade or cutter only against the direction of rotation.** Feeding the workpiece in the same direction that the saw blade is rotating above the table may result in the workpiece, and your hand, being pulled into the saw blade.

c) **Never use the mitre gauge to feed the workpiece when ripping and do not use the rip fence as a length stop when cross cutting with the mitre gauge.** Guiding the workpiece with the rip fence and the mitre gauge at the same time increases the likelihood of saw blade binding and kickback.

d) **When ripping, always apply the workpiece feeding force between the fence and the saw blade. Use a push stick when the distance between the fence and the saw blade is less than 150 mm, and use a push block when this distance is less than 50 mm.** "Work helping" devices will keep your hand at a safe distance from the saw blade.

e) **Use only the push stick provided by the manufacturer or constructed in accordance with**

the instructions. This push stick provides sufficient distance of the hand from the saw blade.

f) **Never use a damaged or cut push stick.** A damaged push stick may break causing your hand to slip into the saw blade.

g) **Do not perform any operation "freehand". Always use either the rip fence or the mitre gauge to position and guide the workpiece.** "Freehand" means using your hands to support or guide the workpiece, in lieu of a rip fence or mitre gauge. Freehand sawing leads to misalignment, binding and kickback.

h) **Never reach around or over a rotating saw blade.** Reaching for a workpiece may lead to accidental contact with the moving saw blade.

i) **Provide auxiliary workpiece support to the rear and/or sides of the saw table for long and/or wide workpieces to keep them level.** A long and/or wide workpiece has a tendency to pivot on the table's edge, causing loss of control, saw blade binding and kickback.

j) **Feed workpiece at an even pace. Do not bend or twist the workpiece. If jamming occurs, turn the tool off immediately, unplug the tool then clear the jam.** Jamming the saw blade by the workpiece can cause kickback or stall the motor.

k) **Do not remove pieces of cut-off material while the saw is running.** The material may become trapped between the fence or inside the saw blade guard and the saw blade pulling your fingers into the saw blade. Turn the saw off and wait until the saw blade stops before removing material.

l) **Use an auxiliary fence in contact with the table top when ripping workpieces less than 2 mm thick.** A thin workpiece may wedge under the rip fence and create a kickback.

3) Kickback causes and related warnings

Kickback is a sudden reaction of the workpiece due to a pinched, jammed saw blade or misaligned line of cut in the workpiece with respect to the saw blade or when a part of the workpiece binds between the saw blade and the rip fence or other fixed object.

Most frequently during kickback, the workpiece is lifted from the table by the rear portion of the saw blade and is propelled towards the operator.

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a) **Never stand directly in line with the saw blade. Always position your body on the same side of the saw blade as the fence.** Kickback may propel the workpiece at high velocity towards anyone standing in front and in line with the saw blade.

b) **Never reach over or in back of the saw blade to pull or to support the workpiece.** Accidental contact with the saw blade may occur or kickback may drag your fingers into the saw blade.

c) **Never hold and press the workpiece that is being cut off against the rotating saw blade.** Pressing the workpiece being cut off against the saw blade will create a binding condition and kickback.

d) **Align the fence to be parallel with the saw blade.** A misaligned fence will pinch the workpiece against the saw blade and create kickback.

e) **Use a featherboard to guide the workpiece against the table and fence when making non-through cuts such as rabbeting, dadoing or resawing cuts.** A featherboard helps to control the workpiece in the event of a kickback.

f) **Use extra caution when making a cut into blind areas of assembled workpieces.** The protruding saw blade may cut objects that can cause kickback.

g) **Support large panels to minimise the risk of saw blade pinching and kickback.** Large panels tend to sag under their own weight. Support(s) must be placed under all portions of the panel overhanging the table top.

h) **Use extra caution when cutting a workpiece that is twisted, knotted, warped or does not have a straight edge to guide it with a mitre gauge or along the fence.** A warped, knotted, or twisted

workpiece is unstable and causes misalignment of the kerf with the saw blade, binding and kickback.

i) **Never cut more than one workpiece, stacked vertically or horizontally.** The saw blade could pick up one or more pieces and cause kickback.

j) **When restarting the saw with the saw blade in the workpiece, centre the saw blade in the kerf so that the saw teeth are not engaged in the material.** If the saw blade binds, it may lift up the workpiece and cause kickback when the saw is restarted.

k) **Keep saw blades clean, sharp, and with sufficient set. Never use warped saw blades or saw blades with cracked or broken teeth.** Sharp and properly set saw blades minimise binding, stalling and kickback.

4) Table saw operating procedure warnings

a) **Turn off the table saw and disconnect the power cord when removing the table insert, changing the saw blade or making adjustments to the riving knife, antikickback device or saw blade guard, and when the machine is left unattended.** Precautionary measures will avoid accidents.

b) **Never leave the table saw running unattended. Turn it off and don't leave the tool until it comes to a complete stop.** An unattended running saw is an uncontrolled hazard.

c) **Locate the table saw in a well-lit and level area where you can maintain good footing and balance. It should be installed in an area that provides enough room to easily handle the size of your workpiece.** Cramped, dark areas, and uneven slippery floors invite accidents.

d) **Frequently clean and remove sawdust from under the saw table and/or the dust collection device.** Accumulated sawdust is combustible and may self-ignite.

e) **The table saw must be secured.** A table saw that is not properly secured may move or tip over.

f) **Remove tools, wood scraps, etc. from the table before the table saw is turned on.** Distraction or a potential jam can be dangerous.

g) **Always use saw blades with correct size and shape (diamond versus round) of arbour holes.** Saw blades that do not match the mounting hardware of the saw will run off-centre, causing loss of control.

h) **Never use damaged or incorrect saw blade mounting means such as flanges, saw blade washers, bolts or nuts.** These mounting means were specially designed for your saw, for safe operation and optimum performance.

i) **Never stand on the table saw, do not use it as a stepping stool.** Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted.

j) **Make sure that the saw blade is installed to rotate in the proper direction. Do not use grinding wheels, wire brushes, or abrasive wheels on a table saw.** Improper saw blade installation or use of accessories not recommended may cause serious injury.

7 Make sure that fixed reducer rings for securing the insertion tool have the same diameter and have at least 1/3 of the cutting diameter.

8 Make sure that fixed reducer rings are parallel to each other.

9 Handle insertion tool with caution. They are ideally stored in the originally package or special containers. Wear protective gloves in order to improve grip and to further reduce the risk of injury.

10 Prior to the use of insertion tools, make sure that all protective devices are properly fastened.

11 Prior to use, make sure that the insertion tool meets the technical requirements of this electric tool and is properly fastened.

12 Only use the supplied saw blade for sawing operations in wood, materials similar to wood, plastics and non-ferrous metals (except for magnesium and alloys containing magnesium).

3. Safety Instructions For The

Handling Of Saw Blades

1 Only use insertion tools if you have mastered their use.

2 Observe the maximum speed. The maximum speed specified on the insertion tool may not be exceeded. If specified, observe the speed range.

3 Observe the motor / saw blade direction of rotation.

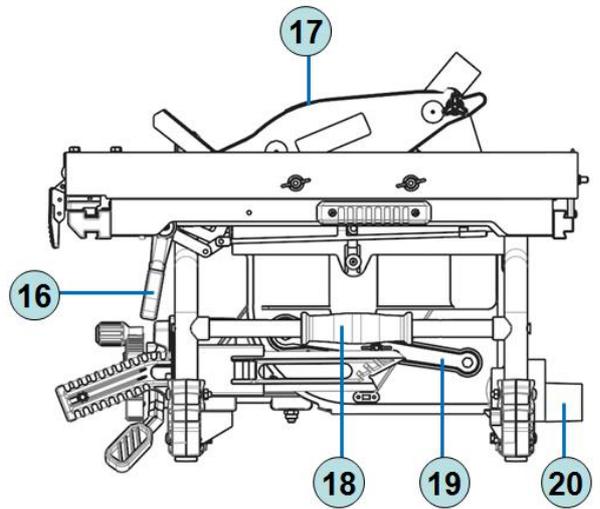
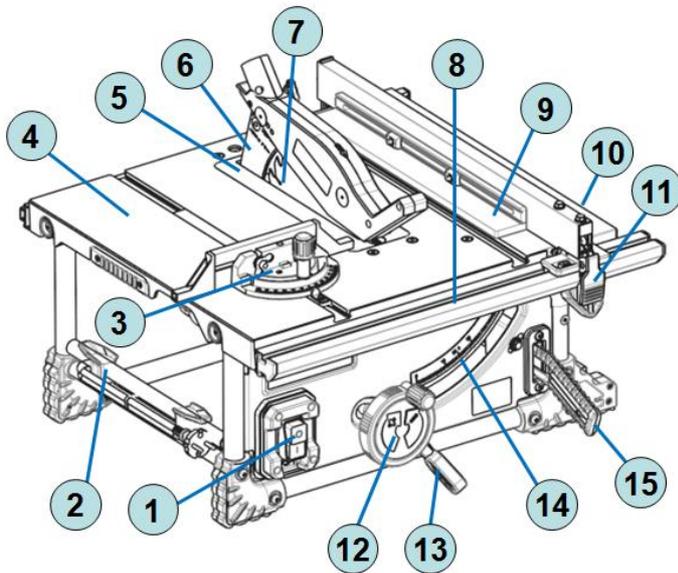
4 Do not use any insertion tools with cracks. Sort out cracked insertion tools. Repairs are not permitted.

5 Clean grease, oil and water off of the clamping surfaces.

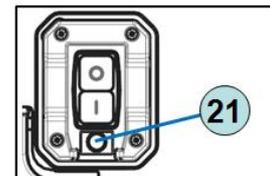
6 Do not use any loose reducing rings or bushes for the reducing of holes on saw blades.

4. Layout and items supplied

4.1 Layout



1. Switch
2. Cable Storage
3. Mitre Guide
4. Main Table
5. Table Insert
6. Riving Knife
7. Blade
8. Level Scale
9. Rip Fence
10. Extension Table
11. Rip Fence Locking
12. Height Adjusting Hand-Wheel
13. Bevel Locking
14. Bevel Scale
15. Push Stick
16. Extension Table Lock lever
17. Blade Guard
18. Carry Handle
19. Closed End Wrench
20. Extractor Socket
21. Reset

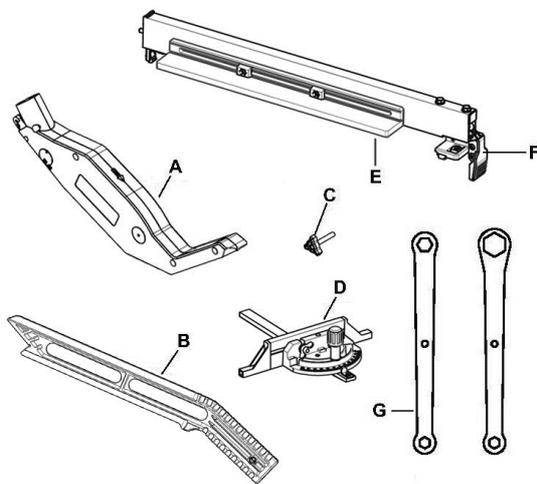


4.2 Items supplied

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

The following items are included with the table saw:



A.	Blade Guard.....	1
B.	Push Stick.....	1
C.	Screw.....	1
D.	Miter Gauge.....	1
E.	Rip Fence.....	1
F.	Level Locking	1
G.	Closed End Wrench	2

Danger!

The equipment and packaging material are

not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating !

5. Proper use

The bench-type circular saw is designed for the slitting and cross-cutting (only with the cross stop) of all types of timber commensurate with the machine's size. The equipment is not to be used for cutting any type of round wood.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

The equipment is to be operated only with suitable saw blades (saw blades made of HM or CV) It is prohibited to use any type of HSS saw blade and cutting-off wheel.

To use the equipment properly you must also observe the safety information, the assembly instructions and the operating instructions to be found in this manual.

To use the equipment properly you must also observe the safety information, the assembly instructions and the operating instructions to be found in this manual.

All persons who use and service the equipment have to be acquainted with these operating instructions and must be informed about the equipment's potential hazards. It is also imperative to observe the accident prevention regulations in force in your area. The same

applies for the general rules of health and safety at work.

The manufacturer will not be liable for any changes made to the equipment nor for any damage resulting from such changes. Even when the equipment is used as prescribed it is still impossible to eliminate certain residual risk factors.

The following hazards may arise in connection with the machine's construction and design:

- Contact with the saw blade in the uncovered saw zone.
- Reaching into the running saw blade (cut injuries).
- Kick-back of workpieces and parts of workpieces.
- Saw blade fracturing.
- Catapulting of faulty carbide tips from the saw blade.
- Damage to hearing if essential ear-muffs are not used.
- Harmful emissions of wood dust when used in closed rooms.

6. Technical data

AC motor	220- 240V ~ 50Hz
Power P1	1500W
Idle speed n_0	5000 min ⁻¹
Cutting-off wheel	
.....	Ø 210 x Ø16 - 30 x 2 - 4 mm
Number of teeth	24 - 60
Main table size	480x 467mm
Table length deploy.....	375 mm
Extension table.....	480x 70 mm
Rip capacity for right	630 mm
Cutting height max.	70 mm / 90°
.....	50 mm / 45°
Height adjustment	infinite 0 -80 mm
Tilting saw blade	infinite 0 - 45°
Extractor socket	Ø 32 mm
Weight	approx. 13.5 kg

Danger!

Sound and vibration

Sound and vibration values were measured in accordance with EN 62841-1.

LpA sound pressure level	91 dB(A)
KpA uncertainty	3 dB
LWA sound power level	104 dB(A)
KWA uncertainty	3 dB

The quoted values are emission values and not necessarily reliable workplace values. Although there is a correlation between emission and immission levels it is impossible to draw any certain conclusions as to the need for additional precautions. Factors with a potential influence on the actual immission level at the workplace include the duration of impact, the type of room, and other sources of noise etc., e.g. the number of machines and other neighboring operations. Reliable workplace values may also vary from country to country. With this information the user should at least be able to make a better assessment of the dangers and risks involved.

Wear ear-muffs.

The impact of noise can cause damage to hearing.

Keep the noise emissions and vibrations to a minimum.

- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.

Caution!

Residual risks

Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be ruled out. The following hazards may arise in connection with the equipment's construction and layout:

1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.

7. Before starting the equipment

Before you connect the equipment to the mains supply make sure that the data on the rating plate are identical to the mains data.

Warning!

Always pull the power plug before making adjustments to the equipment.

- Unpack the bench-type circular saw and check it for damage which may have occurred in transit.
- The machine has to be set up where it can stand firmly, e.g. on a work bench, or it must be bolted to a strong base.
- All covers and safety devices have to be properly fitted before the machine is switched on.
- It must be possible for the saw blade to run freely.
- When working with wood that has been processed before, watch out for foreign bodies such as nails or screws etc.
- Before you actuate the On/Off switch, make sure that the saw blade is correctly fitted and that the machine's moving parts run smoothly.

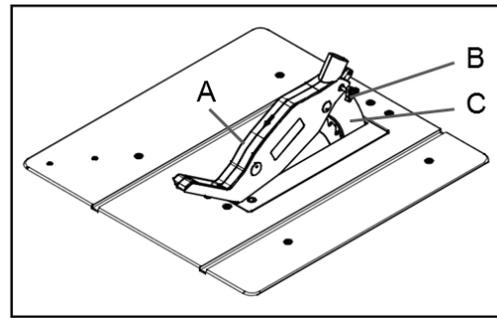
8. ASSEMBLY & ADJUSTMENTS



Danger! Pull out the power plug before adjustments.

To install the blade guard

- Raise the saw blade by turning the height adjusting hand-wheel clockwise.
- Place riving knife in "up" position.
- Mount the saw blade guard(A) together with the bolt(B) on top of the riving knife(C), so that the bolt is firmly seated in the hole of the riving knife(C).



Do not screw in the bolt(B) too tightly; the saw blade guard(A) must move freely.

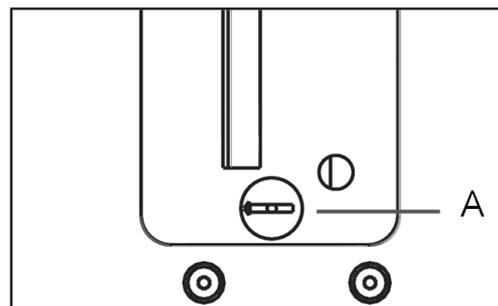
Plug the suction hose on to the suction adapted and the connecting piece of the saw blade guard(A). Connect a suitable splint collector onto the suction adapter.

Dis-assembly is performed in reverse order.

Caution! The saw blade guard(A) must be lowered onto the workpiece before starting the sawing operation.

To remove/replace the table insert

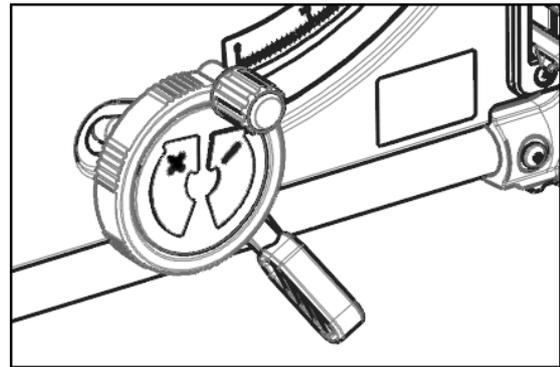
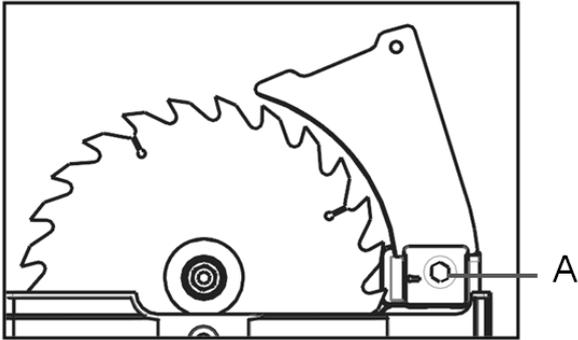
- Remove the saw blade guard
- Lower the blade by turning the height/bevel adjusting hand-wheel counterclockwise.
- Turn the table insert locking knob at unlock place and remove the worn table insert.
- To fit the replacement table insert, proceed in reverse order.



Setting the riving knife(splitter) positions

- Set the blade to max. cutting depth, move to 0° position and lock in place.
- Remove the saw blade guard.
- Take out the table insert.
- Slacken the fixing screw in counterclockwise.
- Place the splitter at a safe position and rotating it.
- Set the distance between the blade and the splitter should be 3-5 mm.

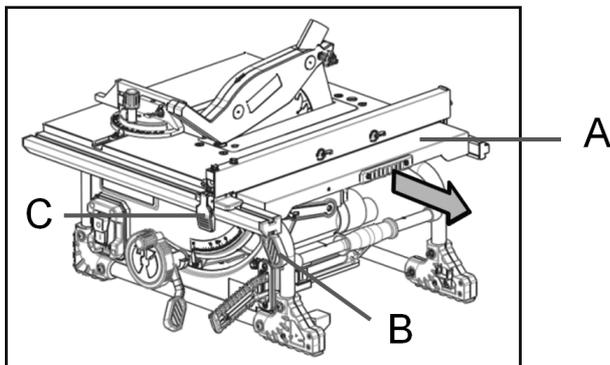
- Re-tighten the splitter fix screw in clockwise.



Adjusting the extendable extension table

The extension table allows the user to increase the length of the table for greater ripping capacity. To use the extension table;

- Up lever(C) for unlock or remove the rip fence from the table.
- Unlock the extension table(A) by draw back the lock lever(B) , slide the extension to the desired width. Use the scale on the front rail when a specific width is desired.
- Once the extension is in the desired position, push lock lever(B) forward to secure the extension in place. The rip fence can now be installed as shown in.



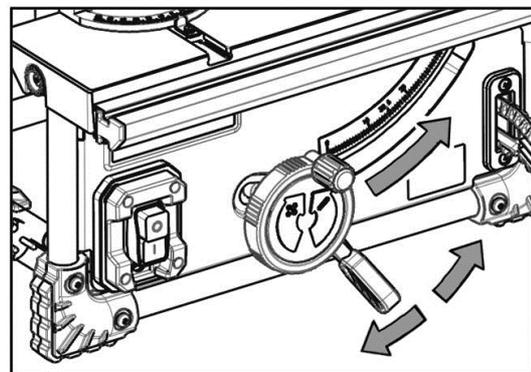
To change blade angle (bevel)

This table saw has a rack and pinion bevel control that allows you to make angled cuts from 90° to 45°.

NOTE: A 90° cut has a 0° bevel and a 45° cut has a 45° bevel.

Adjusting:

- Loosen bevel locking knob in counter-clockwise. Move the height adjusting hand-wheel to bevel 0-45° angle. Then tighten bevel locking knob clockwise.

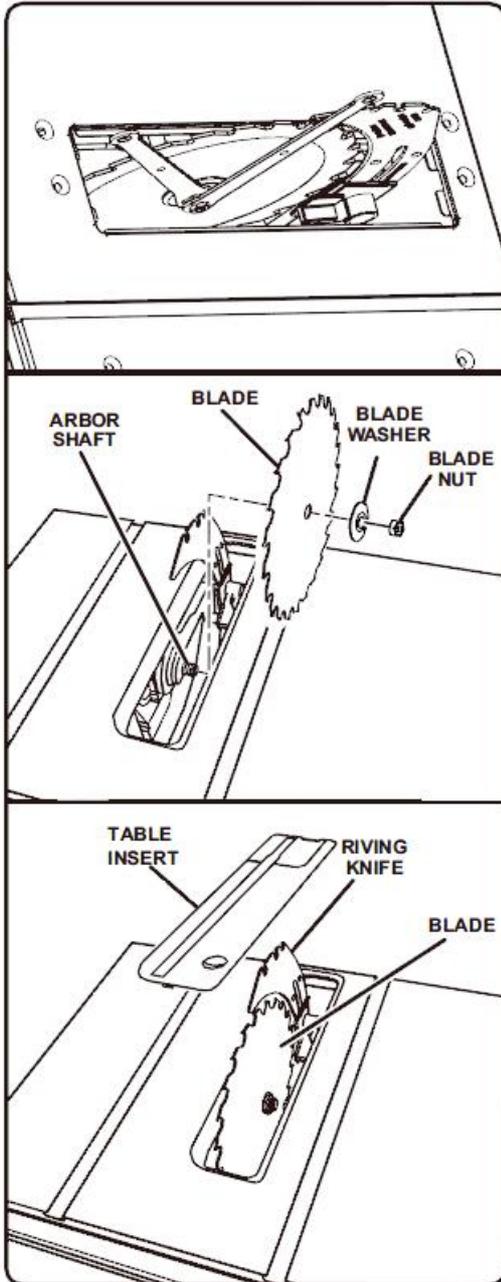


To change blade depth

The blade depth should be set so that the outer points of the blade are higher than the workpiece by approximately 1/8 in. to 1/4 in. but the lowest points (gullets) are below the top surface.

- Turn the bevel lock lever to the right.
- Raise the blade by turning the height adjusting hand-wheel clockwise or lower it by turning the hand-wheel counterclockwise.

To replace the blade



- Remove the blade guard.
- Lower the saw blade and remove the table insert.
- Make sure the bevel locking lever is locked.
- Raise the saw blade to full height.
- Insert the closed-end blade wrench on the blade washer.
- Insert the closed-end blade wrench over the blade nut. Holding both wrenches firmly, pull the closed end wrench (right side) forward while pushing the closed end wrench (left side) to the back of the saw. Remove the nut.
- Unlock the release locking lever and remove

the blade.

To install a standard blade:

- Place the new blade on the arbor shaft (the teeth must point down toward the front of the saw to work properly).
- Place the blade washer and the blade nut over the arbor shaft. Be sure the dome side of the blade washer faces the blade and that all items are snug against the arbor housing. Make sure the blade nut is securely tightened. Do not over-tighten.
- Lock the release lever.
- Rotate the blade by hand to make sure it turns freely.
- Lower the saw blade and reinstall the table insert.

NOTE: To replace the blade with an accessory blade, follow the instructions provided with the accessory.

UK plug (for UK only)

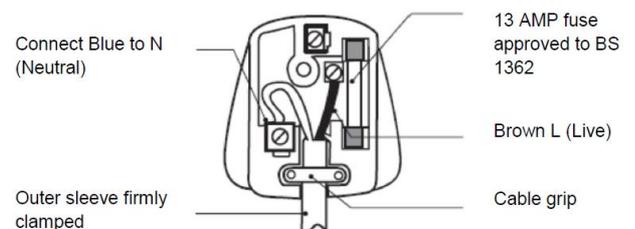
Replacement of the plug shall always be carried out by the manufacturer of the tool or his service organization and follow the instructions below.

IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Blue – Neutral

Brown – Live

As the colour of the wire in the mains lead of this product may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows. The wire, which is coloured blue, must be connected to the terminal, which is marked with **N** or coloured black. The wire, which is coloured brown, must be connected to the terminal, which is marked **L** or coloured red.



9. Using the saw

The operation of power tools involves a certain amount of hazard for the operator. Before attempting regular work we recommend you get the feel of operations using scrap lumber to check settings. Read entire instructions before you start to cut workpiece. Always pay attention to safety precautions to avoid personal injury.



WARNING!

Make sure the blade guard assembly is installed and working properly to avoid serious possible injury.

9.1. ON/OFF switch

- To turn the saw on, press the green button “I”. Wait for the blade to reach its maximum speed of rotation before commencing with the cut.
- To turn the machine off again, press the red button “O”.

9.2. RESET BUTTON

This saw comes with an overload reset button, if the saw motor over loads, a safety mechanism stops the motor automatically due to motor over-loading or low voltage. To prevent motor over-load, reduce load on motor or check voltage.

Allow motor to cool down, then press the reset button and restart the saw. If the saw does not restart, wait an additional 5 minutes before restarting.

9.3. Push stick

Push sticks are devices that may be used for pushing a workpiece through the blade in any rip cut. When making non-through cuts or ripping narrow stock, always use a push stick, push block, and/or feather-board so your hands do not come within 3 inches of the saw blade. They can be made in various sizes and shapes from scrap wood and used in a specific project. The stick must be narrower than the workpiece, with a 90° notch in one end and shaping for a

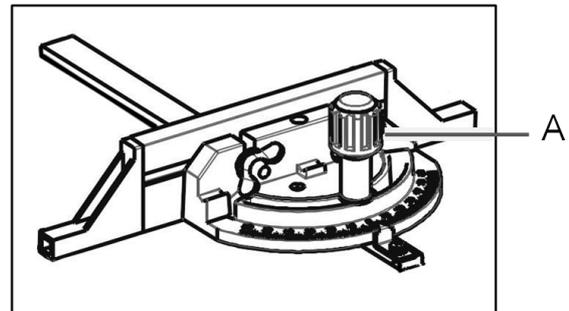
grip on the other end.

Use push blocks for narrow cuts and all non-through cuts.

A push stick has a seat to storage, before use draw out it.

9.4. To use the miter gauge

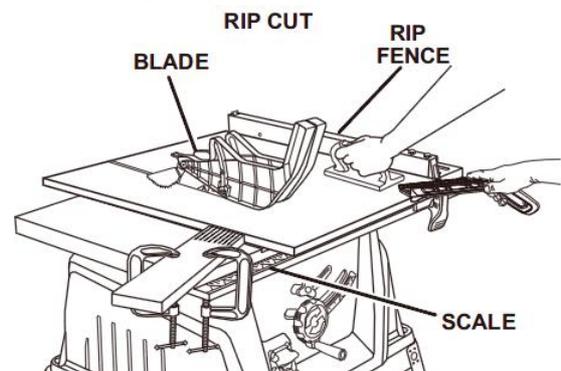
The miter gauge provides greater accuracy in angled cuts. For very close tolerances, test cuts are recommended. There are two miter gauge grooves, one on either side of the blade. When making a 90° cross cut, you can use either miter gauge groove. When making a beveled cross cut (the blade tilted in relation to the table) the miter gauge should be located in the groove on the right so that the blade is tilted away from the miter gauge and your hands.



The miter gauge can be turned 60° to the right or left.

- Loosen the lock knob (A).
- With the miter gauge in the miter gauge groove, rotate the gauge until the desired angle is reached on the scale.
- Re-tighten the lock knob.

9.5. Making a rip cut

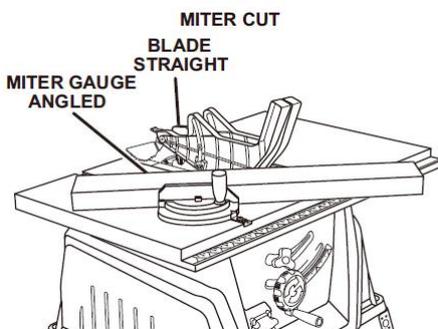


- Set the blade to the correct depth for the workpiece.
- Position the rip fence at the desired distance

from the blade for the cut and securely lock the handle.

- Make sure the wood is clear of the blade before turning on the saw.
- When ripping a long workpiece, place a support at the same height as the table surface behind the saw for the cut work.
- Turn the saw on.
- Position the workpiece flat on the table with the edge flush against the rip fence. Let the blade build up to full speed before feeding the workpiece into the blade.
- Once the blade has made contact with the workpiece, use the hand closest to the rip fence to guide it. Make sure the edge of the workpiece remains in solid contact with both the rip fence and the surface of the table. If ripping a narrow piece, use a push stick and/or push blocks to move the piece through the cut and past the blade.
- When the cut is made, turn the saw off. Wait for the blade to come to a complete stop before removing the workpiece.

9.6. Making a miter cut



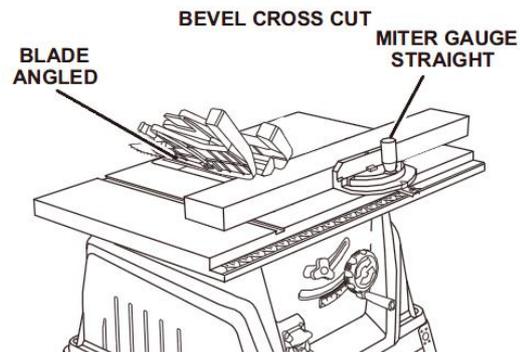
- Remove the rip fence.
- Set the blade to the correct depth for the workpiece.
- Set the miter gauge to the desired angle and tighten the lock knob.
- Make sure the wood is clear of the blade before turning on the saw.
- Turn the saw on.
- Let the blade build up to full speed before moving the workpiece into the blade.
- Hold the workpiece firmly with both hands on the miter gauge and feed the workpiece into the

blade.

NOTE: The hand closest to the blade should be placed on the miter gauge lock knob and the hand farthest from the blade should be placed on the workpiece.

- When the cut is made, turn the saw off. Wait for the blade to come to a complete stop before removing the workpiece.

9.7. Making a bevel cross cut



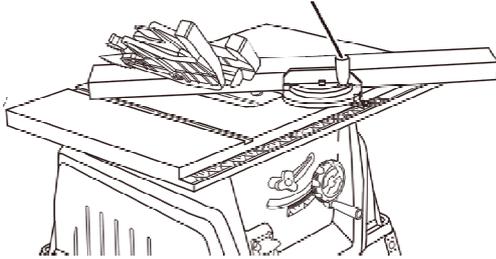
- Remove the rip fence.
- Unlock the bevel locking knob.
- Adjust the bevel angle to the desired setting.
- Lock the bevel locking knob.
- Set the blade to the correct depth for the workpiece.
- Set the miter gauge to 0° and tighten the lock knob.
- Make sure the wood is clear of the blade before turning on the saw.
- Turn the saw on.
- Let the blade build up to full speed before moving the workpiece into the blade.
- Hold the workpiece firmly with both hands on the miter gauge and feed the workpiece into the blade.

NOTE: The hand closest to the blade should be placed on the miter gauge lock knob and the hand farthest from the blade should be placed on the workpiece.

- When the cut is made, turn the saw off. Wait for the blade to come to a complete stop before removing the workpiece.

9.8. Making a compound (bevel& miter) cut

COMPOUND (BEVEL) MITER CUT
PLACE LEFT HAND ON MITER
GAUGE HERE



- Remove the rip fence.
- Unlock the bevel locking lever.
- Adjust the bevel angle to the desired setting.
- Lock the bevel locking lever.
- Set the blade to the correct depth for the workpiece.
- Set the miter gauge to the desired angle and tighten the lock knob.
- Make sure the wood is clear of the blade before turning on the saw.
- Turn the saw on.
- Let the blade build up to full speed before moving the workpiece into the blade.
- Hold the workpiece firmly with both hands on the miter gauge and feed the workpiece into the blade.

NOTE: The hand closest to the blade should be placed on the miter gauge lock knob and the hand farthest from the blade should be placed on the workpiece.

- When the cut is made, turn the saw off. Wait for the blade to come to a complete stop before removing the workpiece.

10. Replacing the power cable

Danger!

If the power cable for this equipment is damaged, it must be replaced by the manufacturer or its after-sales service or similarly trained personnel to avoid danger.

11. Cleaning, maintenance and ordering of spare parts

Danger!

Always pull out the mains power plug before starting any cleaning work.

11.1 Cleaning

- Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
- We recommend that you clean the device immediately each time you have finished using it.
- Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device. The ingress of water into an electric tool increases the risk of an electric shock.

11.2 Carbon brushes

In case of excessive sparking, have the carbon brushes checked only by a qualified electrician.

Danger! The carbon brushes should not be replaced by anyone but a qualified electrician.

11.3 Maintenance

There are no parts inside the equipment which require additional maintenance.

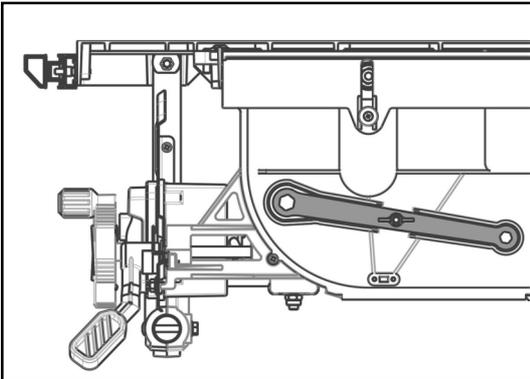
11.4 Ordering replacement parts:

Please quote the following data when ordering replacement parts:

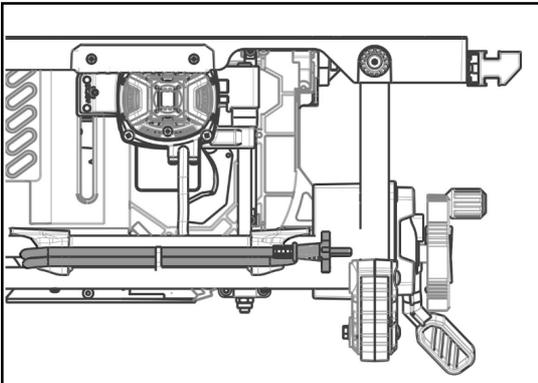
- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

12. Storage

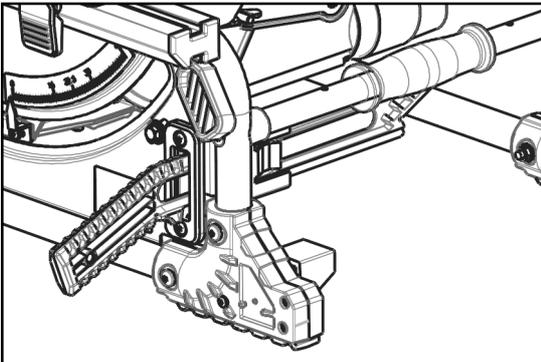
Insert wrench into the holes on the side of the table saw, tighten screws securely.



The cord plug coiling into hook.



The push stick storage into the seat.



Store the equipment and accessories in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging.

13. Disposal and recycling



The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.