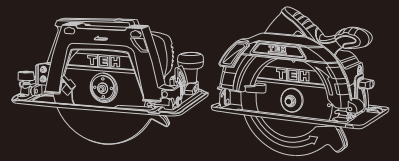
www.tehtools.com

Circular Saw

TC18514 TC18515

TC20018 TC23522

To Be Your Exclusive Helper



TEH®

TECHNICAL SPECIFICATION

Model	TC18514	TC18515	TC20018	TC23522
Rated voltage	220V	220V	220V	220V
Rated frequency	50Hz	50Hz	50Hz	50Hz
Rated input power	1400W	1300W	1800W	2200W
No-load speed	4700r/min	5300r/min	5500r/min	4200r/min
Max. Cutting capacity	65mm	65mm	65mm	80mm
Dia of blade	185mm	185mm	200mm	235mm

COMPONENTS AND ACCESSORIES

Accessories included:
1 instruction manual
1 saw blade
1 socket wrench
1 guide ruler
2 spare carbon brushes

Additional accessories for TC20018
2 clamping block
1 saw protection plate
1 dust extractor
1 special wrench
2 curve screw
1 splitting wedge

SAFETY INSTRUCTIONS

WARNING ⚠

Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or other serious injury. The term "power tools" in all of the warnings listed below refers to mains-operated (corded) power tool or battery operated (cordless) power tool.

WORK AREA

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.

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 tools. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increases 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.

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 the risk of personal injuries.

c) Avoid accidental starting. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in the 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 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.

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.

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 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, breakage or parts and any other condition that may affect the power tools operations. 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.

SERVICE

a) Tool service must performed only by qualified personnel. Service or maintenance performed by unqualified personnel could result in risk of injury.

b) When servicing a tool, use only identical replacement parts. This will ensure that the safety of the power tool is maintained.

ADDITIONAL SAFETY INSTRUCTIONS FOR CIRCULAR SAW

WARNING ⚠

Do not let comfort or familiarity with product (gained from repeated use) replace strict adherence to circular saw safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

1) Keep hands away from cutting area and blade. Keep your second hand on auxiliary handle, or motor housing. If both hands are holding the saw, they cannot be cut by the blade. Keep your body positioned to either side of the saw blade, but not in line with saw blade. Do not reach underneath the work.

CAUTION: Blades coast after turn off. Wait until blade stops before grasping cut material.

2) Check lower guard for proper closing before each use. Do not operate saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.

3) Check the operation and condition of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.

4) Lower guard should be retracted manually only for special cuts such as “Pocket Cuts” and “Compound Cuts”. Raise lower guard by retracting lever. As soon as blade enters the material, lower guard must be released.

5) Always observe that the lower guard is covering the blade before placing saw down on the bench or floor.

6) Never hold piece being cut in your hands or across your leg.

7) Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.

8) When ripping always use a rip fence or straight edge guide.

9) Always use blades with correct size and shape(diamond vs. Round) arbor holes.

10) Never use damaged or incorrect blade washers or bolts.

11) Use extra caution when cutting damp wood, pressure treated lumber, or wood containing knots.

12) Adjustments. Before cutting be sure depth and bevel adjustments are tight.

13) Avoid cutting nails. Inspect for and remove all nails form lumber before cutting.

14) When operating the saw, keep the cord away from cutting area and position it so that it will not be caught on the workpiece during the cutting operation.

WARNING ⚠

It is important to support the workpiece properly and to hold the saw firmly to prevent loss of control which could cause personal injury.

IMPORTANT NOTE

SYMBOLS

- Read the manual
- Warning
- Wearing protection
- Double insulation
- WEEE marking

WARNING ⚠

Before using your drill be sure to read the instruction manual carefully.

CAUSES AND OPERATOR PREVENTION OF KICKBACK

1. Maintain a firm grip with both hands on the saw and position your body hands on the saw and position your body and arm to allow your to resist kickback forces.
2. When blade is binding, or when interrupt a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.
3. When restarting a saw in the workpiece, center the saw blade in the curve and check that saw teeth are not engaged into the material.
4. Support large panels to minimize the risk of blade pinching and kickback.
5. Do not use dull or damaged blade.
6. Blade depth and level adjusting locking levers must be tight and secure before making cut.
7. Use extra caution when making a pocket cut into existing walls or other blind areas.
8. Never force the saw. Forcing the saw can cause uneven cuts, loss of accuracy and possible kickback.

OPERATION INSTRUCTIONS

ASSEMBLY

WARNING ⚠

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

Removing or installing saw blade(Fig1 & Fig2& Fig3)

Caution:

Be sure the blade is installed with teeth pointing up at the front of the tool.
Use only the TEH wrench to install or remove the blade.

1. To remove the blade, Use the two-feet wrench to fix the outer flange and at that time use the socket wrench to loosen the hex screw counterclockwise till can remove the outer flange ,saw blade and inner flange from the spindle.

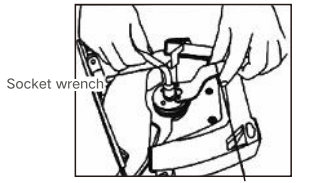


Fig 1

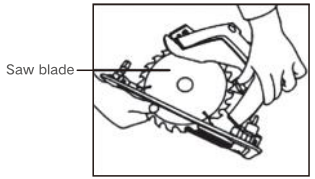


Fig 2

2. To install the blade, follow the removal procedure in reverse order. Be sure to tighten the hex bolt clockwise securely.

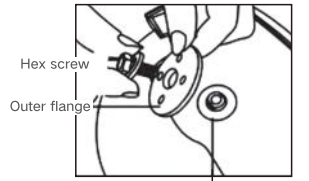


Fig 3

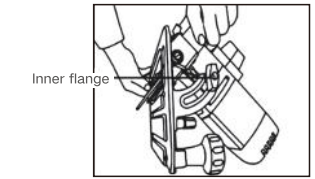


Fig 4

ADJUSTING BEVEL CUTTING

Loosen the clamping screw on the bevel scale plate on the front of the desired angle(0 ° -45 °) by tilting accordingly, then tighten the two clamping screws securely.(Fig4&Fig5)

ADJUSTING DEPTH OF CUT

WARNING ⚠

After adjusting the depth of cut, always tighten the clamping screw securely.

1. Loosen the clamping screw on the flange depth guide and move the base up or down. At the desired depth of cut from getting the scale, secure the base by tightening the clamping screw s(front clamping screw and rear end clamping screw). (Fig 3)

2. For cleanser, safer cuts, set cut depth so that no more than a blade tooth length projects below workpiece surface. Using proper cut depth helps to reduce potential for dangerous KICKBACKS which can cause personal injury.

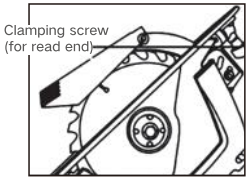


Fig 5

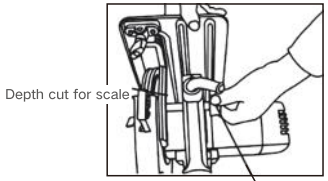


Fig 6 Depth clamping screw

SAW SIGHTING(FIG7)

For straight cuts, align the right groove on the front of the base plate with your cutting line, For 45 ° bevel cuts, align the left groove with it.

RIP FENCE(GUIDE RULES)

The handy rip fence allows you to do extra-accurate straight cuts, simple slidethe rip fence up snugly against the side of workpiece and secure it in position with screw of the front of base. It also makes repeated cuts of uniform width possible. (Fig7)

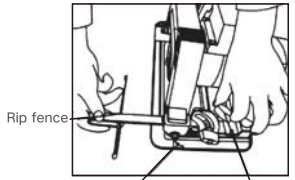


Fig 7

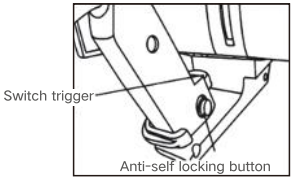


Fig 8

SWITCH ACTION(FIG8)

WARNING ⚠

You must always make sure the tool is switched off before plugging and carrying out any work.

For safer operation, this tool is equipped with anti-self locking switch.

To start the tool, Must first depress the anti-self locking button and then press the switch trigger. For continuous working, press the switch trigger and then use a plastic hook to fix switch trigger. Release the switch trigger, the tool will stop.

ADJUSTING THE SPLITTING WEDGE(FIG9)

1. The splitting wedge prevents the saw blade from jamming during split sawing. When the saw blade is replaced, or each time the distance is incorrect, the setting of the splitting wedge has to be checked.

2. Loosen the one clamping g screw fixing splitting wedge. Adjust the splitting wedge such that there is a radial distance of2~3mm and a saw tooth tip distance of 2-3mm. Tighten the other splitting wedge screw.

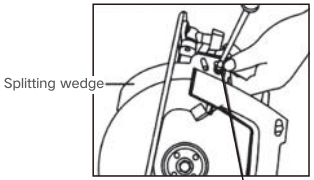


Fig 9

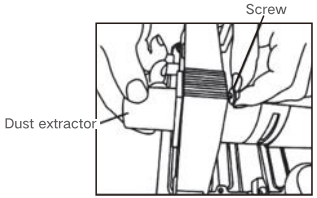


Fig 10

DUST EXTRACTOR(FIG10)

Always use the sawdust extractor facility. You can use a dust extractor, whereby the traditional flexible hose can be connected to the dust extractor. Use a screw to assemble the dust extractor as Fig10 shown.

FOR TABLE SAW CUTTING(FIG11-FIG14) (TC20018 ONLY)

WARNING ⚠

Table saw cutting function is only suited on vertical position and the thickness of the worktable must be 25-60mm.

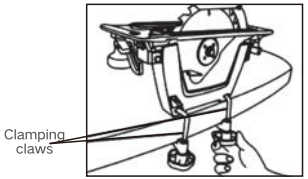


Fig 11

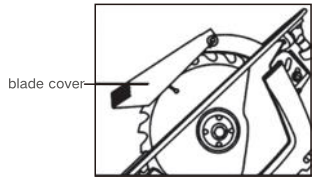


Fig 12

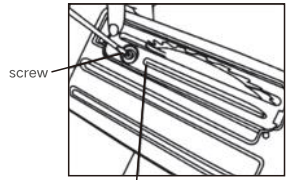


Fig 13

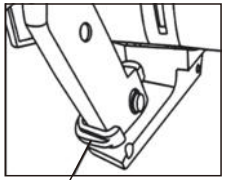


Fig 14

The saw can be used as table saw cutting. When you use the function, first you musttake dust extractor off and turnover the machine, pulling the saw protection device back and fixing the saw protection device pressure plate with the screw, assembling the lade cover on the splitting wedge with the bolt, then installing the machine at the edge of worktable and clamping the machine steadily on the worktable with two clamping claws. Now the table saw cutting is ready. Before sawing, you must clip the operating the mains plug into the socket, then let the motor run a few minutes before sawing is begun.

EFFECTIVE AND SAFE FOR SEWING OPERATION

Always hold the tool firmly with one hand on housing and the other on the side handle, turn the tool on and them apply the blade to the workpiece.

1. Put the tool's base plate on the workpiece, let the blade don't touch the workpiece, you don't saw equably the workpiece until the machine get to the maximum speed from staring.

2. Control the sawing speed for different material, and get to know should be pushed slowly when you saw the harder wood.

MAINTENANCE

MAINTENANCE & DAILY CARE

WARNING ⚠

Always be sure that the tool is switch off and unplugging before attempting to perform inspection and maintenance.

1.The tool and its air vents have to be keep clean, regularly clean the tool's air vents or whenever the vents start to become obstructed.

2. Check the screw if loosened or not.

3. Check the cord insulation if broken or not.

REPLACING CARBON BRUSHES

1. Remove and check the carbon brushes regularly. Replace when the tool occurs obvious sparks or wear down to the limit mark.

2. Both carbon brushes should be replaced at the same time. Use only TEH brushes provided.

3. Use a screwdriver to remove the rear cover, Temporarily remove the spiral spring and take out the worn carbon brushes, insert the new ones and let the spring is free so that the carbon brushes are fixed.(Fig15&16)

Caution: Be sure to re-install the rear cover after inserting new carbon brush.

After replacing brushes, plug in the tool and break in brushes by running tool with no load for about 10 minutes. Then check the tool while running, when releasing the switch trigger. If the tool is not working well, ask your local TEH service center for repair.

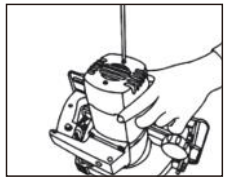


Fig 15

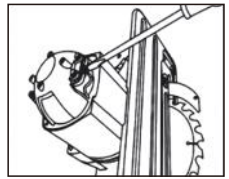


Fig 16

To maintain product safety and reliability, repairs, any other maintenance or adjustment should be performed by TEH Authorized or Factory service centers, always using TEH replacement parts.

WARRANTY CARD

Dear customers, the warranty service for purchasing TEH products is as follows:

Under normal use, the wear of the rotor steering gear is less than 0.2 mm within three months from the date of purchase. It is guaranteed that the damage is caused by the quality of the tool.

The following conditions occur during the warranty period, not covered by the warranty:

a. Any valid legal document (single ticket) certifying the date of purchase
b. Any damage caused by natural wear and overload
c. Any damage caused by the use of low-priced inferior accessories
d. Any damage caused by improper carrying, transportation or storage
e. Any product that has been opened, repaired, replaced, or modified by itself
f. Any damage caused by misuse, beyond the scope of use of the tool, and failure to use and maintain in accordance with the instructions.

ladies/gentlemen: _____ employer: _____

contact number: _____ fax number: _____

contact address: _____

warranty record: _____

post code: _____

IMPORTANT NOTE

1. The invoice and warranty card must be presented at the time of warranty.
2. The fuselage number on the invoice is the same as the fuselage number on the warranty card.
3. Once this warranty card is issued, if it is lost, it will not be reissued. Please keep it properly.

Note: The company reserves the right to amend the above provisions and has the final interpretation right in the case that the warranty service does not violate national laws.