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TOUGH TOOLS, HALF PRICE

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Track Saw
USER MANUAL

MODEL:80165

We continue to be committed to provide you tools with competitive price.
"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

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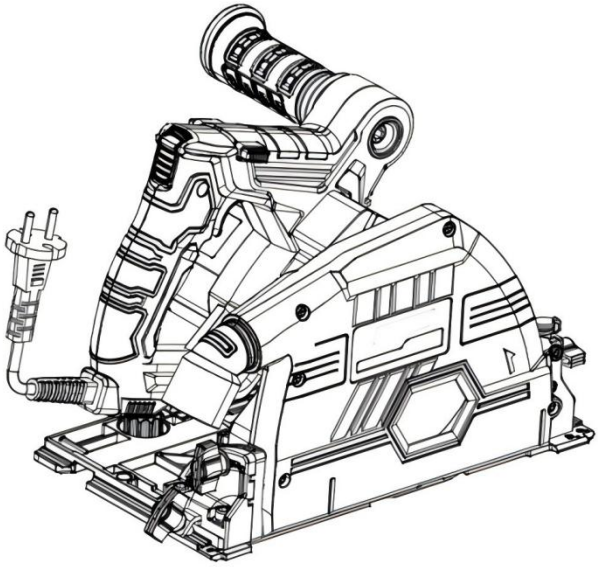

(The picture is for reference only, please refer to the actual object)

NEED HELP? CONTACT US!

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

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices

General safety warning for power tools

Warning!

Read all safety warnings, instructions,drawings and regulations provided with power tools. Failure to follow the instructions listed below can result in electric shock, fire and/or serious injury.

Keep all warnings and instructions for future reference.

The term "power tool" in the warning means either a mains powered (wired) power tool or a battery powered (wireless) power tool.

A)Workplace safety

1. Keep the workplace clean and bright. Messy and dark fields can lead to accidents.

2. Do not operate power tools in explosive environments, such as flammable liquids, gases or dust. Sparks from power tools can ignite dust or gas.

3. Keep power tools away from children and bystanders. A lack of concentration can cause you to lose control of your tools.

B)Electrical safety

1. The plug of the power tool must match the socket. The plug must never be modified in any way.

Power tools that need to be grounded should not use any adapter plugs.

Unmodified plugs and matching sockets will reduce the risk of electric shock.

2. Keep your body away from ground surfaces, such as pipes, heat sinks, and refrigerators. If you touch a grounded surface.

3. Do not expose power tools to rain or humidity.Water entering power tools increase the risk of electric shock.

4. Do not abuse the cord. Never handle, pull, or unplug power tools with cords. Keep cords away from heat sources, oil, sharp edges, or moving parts. Damaged or entangled cords increase the risk of shock.

5. When using power tools outdoors, use an extension cord suitable for outdoor use. Electrical wiring suitable for outdoor use will reduce the risk of electric shock.

6. Use a power supply with residual current device (RCD) protection if it is not possible to avoid operating the appliance in a humid environment. The use of RCD reduces the risk of electric shock.

7. Do not touch the power plug with wet hands.

8. If the wire is damaged, it will be replaced by the manufacturer or its agent to avoid safety hazards.

c) Personal safety

1. Stay alert, pay attention to the operation and stay awake when operating power tools. Do not operate electric tools when you are tired, or when you have a reaction to drugs, alcohol, or treatment.
Momentary negligence in operating power tools can result in serious personal injury.

2. Use personal protective equipment. Always wear safety goggles. Protective devices, such as dust masks, non-slip safety shoes, hard hats, hearing protection and other devices used under appropriate conditions can reduce personal injury.

3. Prevent accidental startup.Make sure the switch is in the off position before connecting the power and/or battery pack, picking up or handling tools. Handling tools with fingers on the switch or power on while the switch is on can cause danger.

4. Remove all adjustment keys or wrenches before the power tool is switched on. A wrench or key left on a rotating part of a power tool can result in personal injury.

5. Don't overextend your hands. Always pay attention to your footing and balance. This allows for better control of power tools in the event of an accident.

6. Dress appropriately. Don't wear loose clothing or accessories. Keep your hair and clothes away from moving parts. Loose clothing, accessories, or long hair may involve moving parts.

7. If a device is provided for connection with the chip removal and dust collection equipment, ensure that it is properly connected and used. The use of dust collection devices can reduce the risk of dust.

8. Don't let the familiarity of frequent tool use lead you to ignore the safety guidelines of the tool. A careless action can lead to serious injury in an instant.

9. Always wear safety goggles when using power tools to avoid eye damage. Safety goggles must comply with ANSI Z87.1, European EN 166 or Australia/New Zealand AS/ NZS 1336. In Australia/New Zealand, a mask is required by law to protect the face.

It is the employer's responsibility to ensure that tool operators and other personnel near the work area wear appropriate safety equipment.

D)Power tools and precautions

1. Do not force the use of power tools, according to the use of appropriate power tools. Choosing the right power tool designed according to the rated value will make you work more efficiently and safely.

2. If the switch cannot be turned on or off, do not use the power tool. Electric tools that cannot be controlled by a switch are dangerous and must be repaired.

3. Unplug and/or remove the battery pack (if removable) from the power supply before any adjustment, replacement of accessories or storage of electrical equipment. This protective safety measure reduces the risk of accidental starting of power tools.

4. Store unused power tools outside the reach of children, and do not allow people who are not familiar with power tools and do not understand these instructions to operate power tools. Power tools are dangerous in the hands of untrained users.

5. Maintain power tools and accessories. Check whether moving parts are adjusted in place or stuck, check for broken parts and other conditions that affect the operation of power tools. If there is damage, repair the power tool before use.Many accidents are caused by poorly maintained power tools.

6.Keep cutting tools sharp and clean. A well-maintained tool with a sharp cutting edge is less likely to stick and easier to control.

7. Select power tools, accessories and tool heads according to the operation instructions, and consider the operating conditions and the operation to be carried out.Using power tools for operations that are not suitable for their purpose can lead to dangerous situations.

8.Keep the handle and grip surface dry, clean, and free of grease. In the event of an accident, a slippery handle does not guarantee a safe grip and control of the tool.

9.Do not wear cloth work gloves That may become entangled when using the

e）Maintenance

1. Use the same spare parts to repair electric tools by professional maintenance personnel. This will ensure the safety of the power tools being serviced.

2. Please follow the instructions in this manual when applying lubricating oil and replacing accessories.

Electric circular saws use safety warnings

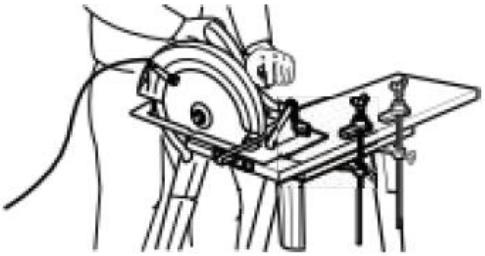
Danger:

a) Keep hands away from the sawing area and blade at all times. Always hold the auxiliary handle or motor housing with your other hand. If you hold the circular saw with both hands, you won't be hurt by the blade.

b) Do not touch the underside of the workpiece. The guard does not protect against the danger of the saw blade under the workpiece.

c) Adjust the cutting depth to the thickness of the workpiece. The serration visible under the workpiece should be less than one tooth height.

d) Do not hold the workpiece or hold the workpiece on the leg for sawing, the workpiece should be clamped on a stable platform. Proper support of the workpiece is essential to reduce personal injury, saw blade jamming or loss of control.

	Typical diagram of correct hand holding, workpiece support,and power line routing(when available).

e) When the sawing workpiece is operated, it is possible to touch the dark line or its own wire. The machine must be held through an insulated grip surface. Touching a "live" wire can also electrify the exposed metal part of the tool, thus electrocuting the operator.

f) When used as a splitting saw, always use a splitting guard and a straight edge guide. This improves the cutting accuracy and reduces the chance of the saw blade getting stuck.

g) Always use a saw blade with the right size and shaft shape (diamond or round). If the saw blade and the circular saw clamping parts do not match, it will cause eccentric operation and lead to loss of control.

h) Damaged washers and bolts that do not match dimensions shall not be used. For improved operation and safe operation, saw blade washers and bolts are specially designed for circular saws.

Reasons for rebound and operator protection:

Rebound is the sudden reverse operation when the saw blade is squeezed, stuck, or off-center, causing the circular saw to lift uncontrollably and away from the workpiece towards the operator.

When the saw blade is squeezed or tightly stuck by the closed cut, the saw blade is blocked and the motor reaction force drives the machine to snap back towards the operator.

If the blade is twisted or deviated from the cutting surface, the serrated edges on the back edge of the blade can dig into the upper surface of the wood . causing the blade to crawl out of the cut and bounce back towards the operator.

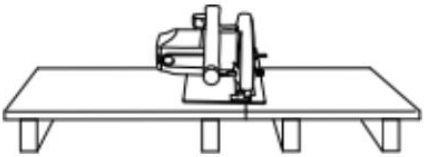
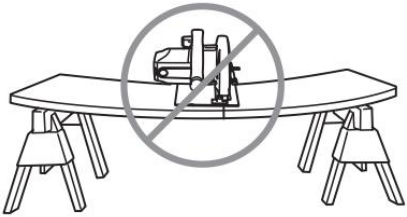
Rebound is the result of misuse of the circular saw and/or incorrect operating procedures or conditions, and can be avoided by taking appropriate precautions.

a) Grip the handle of the circular saw with both hands, and position your upper arms enough to withstand the rebound. The body is on either side of the circular saw and not aligned with the blade. Rebound will cause the circular saw to spring back, but if proper
precautions are taken, the rebound can be controlled by the operator.

b) When the saw blade is stuck, or the sawing is interrupted for any reason, release the switch trigger and hold the circular saw in the material without moving until the saw blade comes to a complete stop Do not attempt to remove the saw from the workpiece or pull the saw backward while the saw blade is in operation or is likely to spring back. Investigate and take proper action to eliminate the cause of the saw blade sticking

c) When restarting the circular saw in the workpiece, align the saw blade with the cut and check that the saw blade is inserted into the material. If the saw blade gets stuck, it will crawl out of the piece or bounce off the piece when the tool is restarted.

d) Support large sheet material to reduce the damage of saw blade extrusion and rebound. The large sheet material sags due to its own weight, and the support material must be placed in the two measures below the sheet material, near the cutting line and the edge of the
sheet material.

	
To avoid bouncing, place a support plate or panel close to the cut.	Do not place the support plate or panel far from the cutting area.

e) Do not use dull or damaged saw blades. Saw blades with no open edge or improperly installed can form narrow saw marks, which can lead to severe friction, stuck blades, and rebound.

f) Cutting depth and Angle adjustment locking buttons must be tightened and secured before sawing. If the blade regulator moves while sawing, it may cause the blade to jam and rebound.

g) Take extra care when "insert sawing" on existing walls or other blind areas. Sticking out the saw blade may cut an object that causes rebound.

Guard rebound description

a) Before each use, check that the cover is closed freely. If the lower guard does not return quickly, do not operate the circular saw. Do not clip or tie the lower guard in the open position. If the circular saw is suddenly dropped, the lower guard may bend out of shape. Lift the lower guard with a retracted handle and make sure that the guard rears at any cutting Angle and depth without touching the saw blade or any other part.

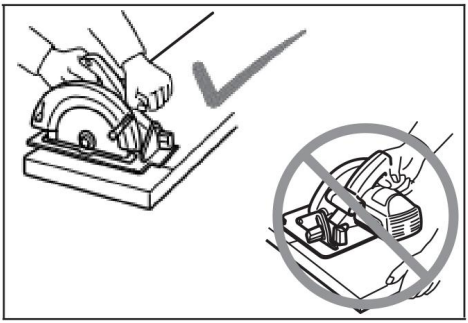
b) Check the working condition of the lower guard spring. If the guard and spring do not work properly, they must be repaired before use. The lower guard may be slow to move due to damage to parts, gum deposits, or waste buildup.

c) Lift the lower guard manually only for special sawing, such as "plug-in sawing" and "combined sawing". Lift the lower guard with the retractable handle. The lower guard must be released as soon as the saw blade enters the sawing material. For all other sawing operations, the lower guard should return automatically.

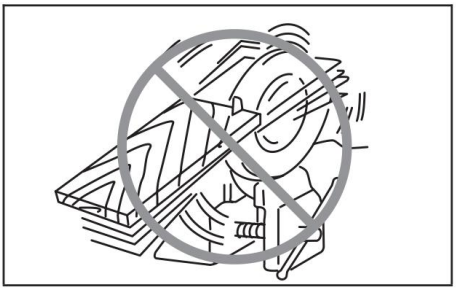
d) Always ensure that the lower guard covers the saw blade before placing the circular saw on the table or the ground. An unprotected, inertial saw blade causes the circular saw to retreat and cut an object on its travel, taking into account the time the saw blade stops after the switch is released.

Additional security warning

1. Be especially careful when cutting wet wood, pressurized wood, or trees that contain knobs. Without reducing the speed of the saw blade, keep the tool smoothly pushed to avoid overheating of the serrations, as well as to avoid the plastic melting when cutting.
2. Do not attempt to remove the cutting material when the saw blade is moving. Wait until the saw blade has stopped completely before grabbing the cutting material.
The saw blade will still move some distance after the power is turned off.
3. Be careful not to cut into nails.
Check wood for nails and remove them before cutting.
4. When cutting, please place the wider part of the base of the electric circular saw on the part of the workpiece that is firmly supported, not on the part that will be cut down. If the workpiece is short or small, clamp it. Do not try to hold short pieces!
5. Before putting down the tool after cutting, ensure that the lower protective cover is closed and the saw blade is completely stopped.
6. Do not attempt to cut with an electric circular saw held backward with a vice. This is very dangerous and can lead to serious accidents.



7. Some materials contain toxic chemicals. Be careful not to inhale dust and avoid skin contact. Follow the material supplier's safety tips.
8. Do not stop the saw blade by applying side pressure to it.
9. Do not use any grinding wheel.
10. Only use saw blades of the diameter indicated on the tool or specified in the instructions. Using an incorrectly sized saw blade can affect the proper protection of the saw blade or the operation of the protective cover, resulting in serious personal injury.
11. Keep the saw blade sharp and clean. Resin and wood bitumen that get stuck on the blade and harden can slow down the electric circular saw and increase the likelihood of rebound. Therefore, remove the saw blade from the tool first, and then clean it with resin and asphalt remover, hot water or kerosene.



Keep the saw blade clean. Do not use gasoline.
12. Wear a dust mask and protective earmuffs when using tools.
13. Be sure to use a saw blade suitable for the material being cut.
14. Only use saw blades whose marked speed is equal to or greater than the speed indicated on the tool.

Please keep this manual.
Do not follow the relevant product safety rules for convenience or because you are familiar enough with the product (experience gained due to re-use). Improper use or failure to follow the safety rules in the instruction manual can result in serious personal injury.

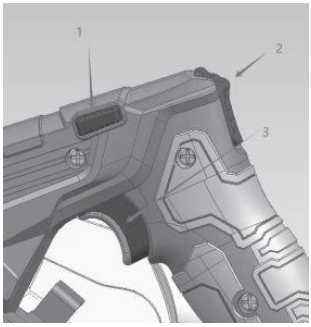
Product specification

• Due to the ongoing development program, we reserve the right to change the specifications without notice.

Item No.		80165
Blade Diameter		165 MM
Cutting depth	90°	57 MM
	45°	42 MM
No Load Speed (rpm)		4500
Voltage		110V / 220V
Safety level		II

Operation instruction

● Switch operation



1. Lock button;

2. push rod;

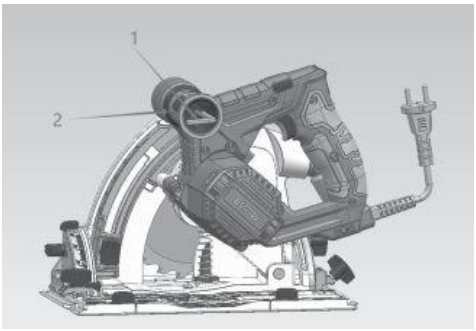
3. Switch;

Note：

• Before turning on the power, make sure to check whether the switch button is active normally and is in the open and normal closed state.

In order to prevent the user from accidentally pulling the trigger of the switch, the tool adopts a locking mechanism. When the cutting operation is required, the locking button is pushed to one side, and the switch button is activated after the push rod is pushed to the top. Then the cutting operation can be performed.

● Storage of hexagonal wrench

	**1.Hex wrench；** **2.Addtional handle**

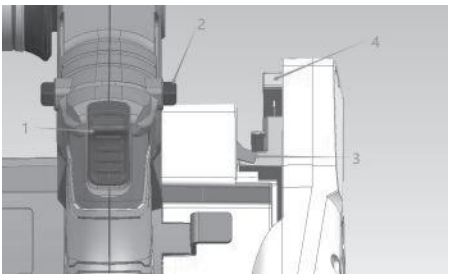
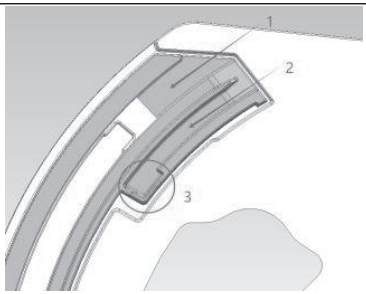
The hex key is stored on the tool. To remove the hex key, pull it out.

To install the Allen wrench, place it on the handle and insert it as far as possible.

● Remove or install the saw blade

Note：

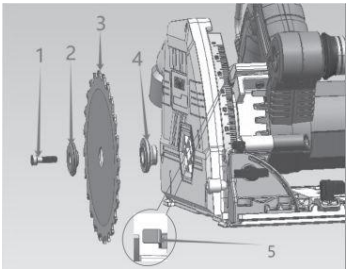
- Do not use saw blades that do not conform to the specifications specified in this manual.
- The blade speed used should at least reach the maximum no-load speed in the specification value

	
1. Push rod 2.Self lock 3.Limited borad 4.Depth Rule	1.Lead 2 . Lead 3. Stop slot

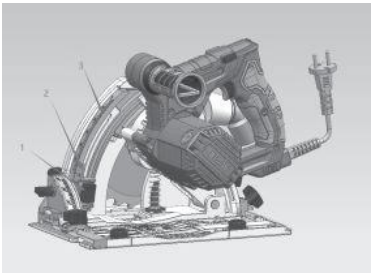
Step 1: To facilitate the removal of the saw blade, the depth ruler is designed with two lead slots. When removing the saw blade, push the latch to the right while pushing the rod up, push the limit plate into the path of lead 2, release the push rod and press the handle down, and the limit plate will be embedded in the stop slot.

Step 2: Fully press the self-locking, rotate the saw blade until the saw blade cannot be turned, then use a wrench to turn counterclockwise to loosen the screw of the press knife, and then remove the screw of the press knife and the external pressure plate, and remove the saw blade from the bottom.

If the machine is not in Step 1 state when you want to install the saw blade, repeat Step 1 and do the opposite of step 2. Lock the knife screw clockwise.

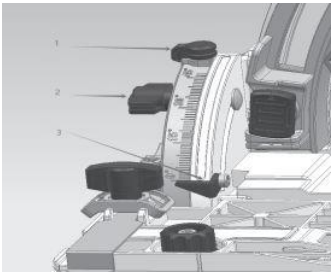
	**1.Press screw** **2.External press plate** **3.Blade** **4.Inner flange** **5.Self lock**

● Adjust the depth of the cut

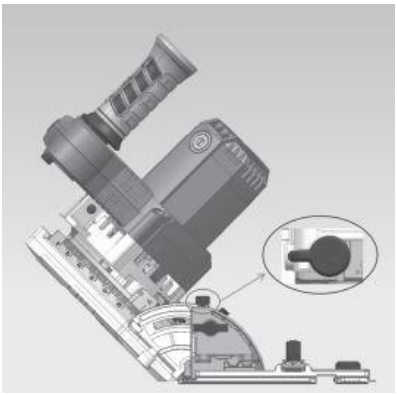
	**1. Push Button** **2. Depth adjustment plate** **3. Depth gauge**

Press the push button on the depth adjustment plate, and move the A/B scale on the depth adjustment plate to the required depth, release the push button and spring back. (The A/B scale corresponds to the cutting depth without guide rail/with guide rail) In order to make the cutting more clean and safe, please adjust the cutting depth to the position of no more than one tooth below the workpiece. Using the proper cutting depth can reduce the potential for personal injury caused by the saw blade bouncing.

● Bevel cutting

	**1.Top rod** **2.Lock knob** **3.Pointer**

-1°-47°Tilt

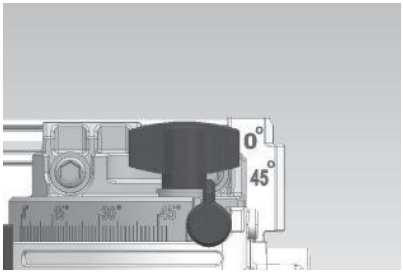


0°-45° : Loosen the front and rear locking knobs, tilt the machine, observe the pointer indicating the scale, point it at the desired Angle, tighten the locking knobs on both sides, so that it is fixed.

-1°/47° : To get -1°/47° oblique cutting Angle, turn the top rod to make it in the picture below, tilt the machine, when the pointer points to -1° /47° Angle, tighten the locking knobs on both sides to make it fixed.

Note:

Set the saw blade back to the correct Angle to set the ejector lever back.

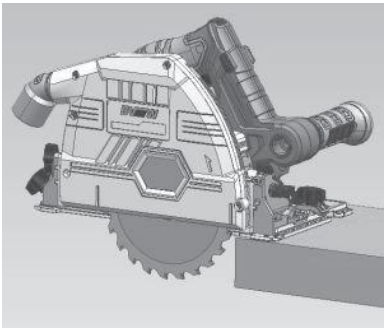


Alignment at

Align the cutting line with the 0° scale line on the base plate when a 0° cut is performed, and align the cutting line with the 45° scale line on the base plate when a 45° cut is performed.

● cutting (conventional sawing)

Attention:



Be sure to gently move the tool forward in a straight line. Applying excessive pressure to the tool or twisting the tool can cause the motor to overheat and cause the tool to rebound, potentially resulting in serious injury.

Never place any part of your body under the base of the tool when cutting, especially at the beginning of the cut.

Otherwise, serious injury may result.

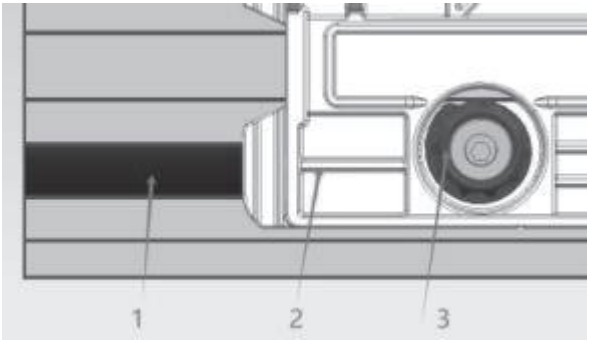
The saw blade is exposed below the tool base.

Hold on to the tools. This tool is equipped with both an auxiliary handle and a handle. Using both handles at the same time is the best way to grip the tool. If both hands are on the circular saw, the blade won't cut them. The front of the base is placed on the workpiece for cutting without any contact with the saw blade. Then start the tool according to the switch operation and wait until the saw blade reaches full speed. Now, gently press the circular saw head down to the preset cutting depth, then simply move the tool forward on the surface of the workpiece to keep it smooth and flat until the cutting operation is complete.

To make the cutting cleaner, make sure the tool cuts in a straight line and at a consistent forward speed. If the actual cutting line is different from the planned cutting line, do not attempt to turn or push the tool back to the originally planned cutting line. Doing so may cause the saw blade to get stuck and cause the tool to bounce or possibly cause serious injury. Release the switch, wait for the saw blade to stop and then pull back the tool.

Align the tool with the new cutting line and start cutting again. When determining the cutting position, try to avoid exposing the operator to debris and sawdust sprayed by the chainsaw. Wear safety goggles to avoid injury.

● When using guide rail (optional accessories)

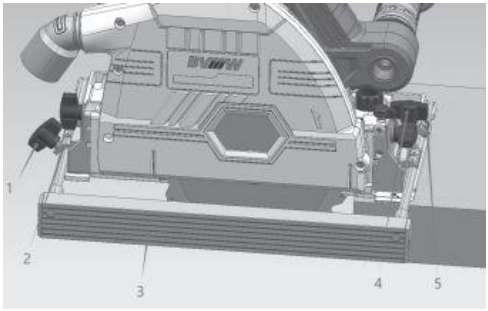


1.Guide rail
2.Bottom plate
3.Eccentric wheel

Place the tool at the end of the guide rail. Turn the two eccentric wheels on the tool base so that the tool can slide smoothly. Hold on to the tools. The tool is equipped with both a secondary handle and a handle. Using both

handles at the same time is the best way to grip the tool. Open the tool, press the tool down to the preset cutting depth (the B scale line on the depth adjustment board corresponds to the cutting depth when there is a guide rail), and then cut.

● guide ruler (optional)

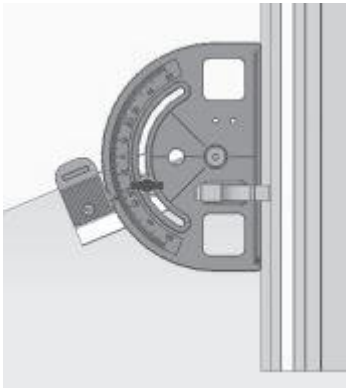


1\4. Press rule knob
2.Rear pressure ruler plate
3.Guide ruler
5.Front press plate

Angle gauges can be used for oblique cutting at different angles
A guide allows you to make more accurate straight cuts. Just insert the guide ruler into the groove reserved on the bottom plate and lock the press ruler knob, the guide ruler can be pressed tightly by pressing the front and back press ruler plates, and adjust inside and outside according to the required cutting width, so that repeated cutting of the same width is possible.

● Angle gauge (optional accessories)

Angle gauges can be used for oblique cutting at different angles.



Upkeep

Attention:

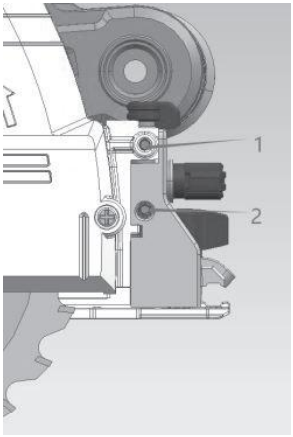
• Before preparing for inspection or maintenance, be sure to turn off the switch and unplug the tool.

• Clean the protective cover to ensure the removal of accumulated sawdust that may impede the operation of the protective cover system. A dirty protective cover system may limit its operation, resulting in serious injury. The most effective way to complete the cleaning is to use compressed air. If you blow sawdust out of the protective cover, make sure you wear proper safety glasses and respiratory protection.

• Do not use gasoline, benzene, thinner, alcohol or similar materials to clean tools. Otherwise, the tool may become discolored, deformed, or cracked.

Adjust the accuracy of 45° cutting and vertical cutting

This adjustment has been completed before the product leaves the factory. However, if the tool is turned off, use the hex wrench to adjust the adjusting screw, and check the 90° or 45° saw blade with a three-edge rule and an Angle rule.

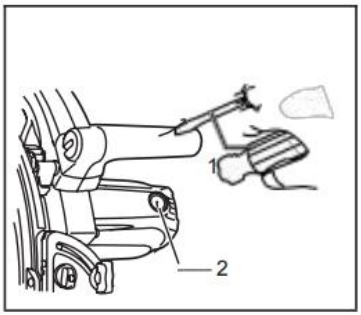


1.Adjust 45° cut;

2.Adjust vertical Angle cutting

Carbon brush replacement

Replace and check carbon brushes regularly. Both brushes should be replaced at the same time. Please use only the same carbon brush. Remove the carbon brush clamp cover with a screw driver. Remove the worn carbon brush, insert a new one, and tighten the cap.



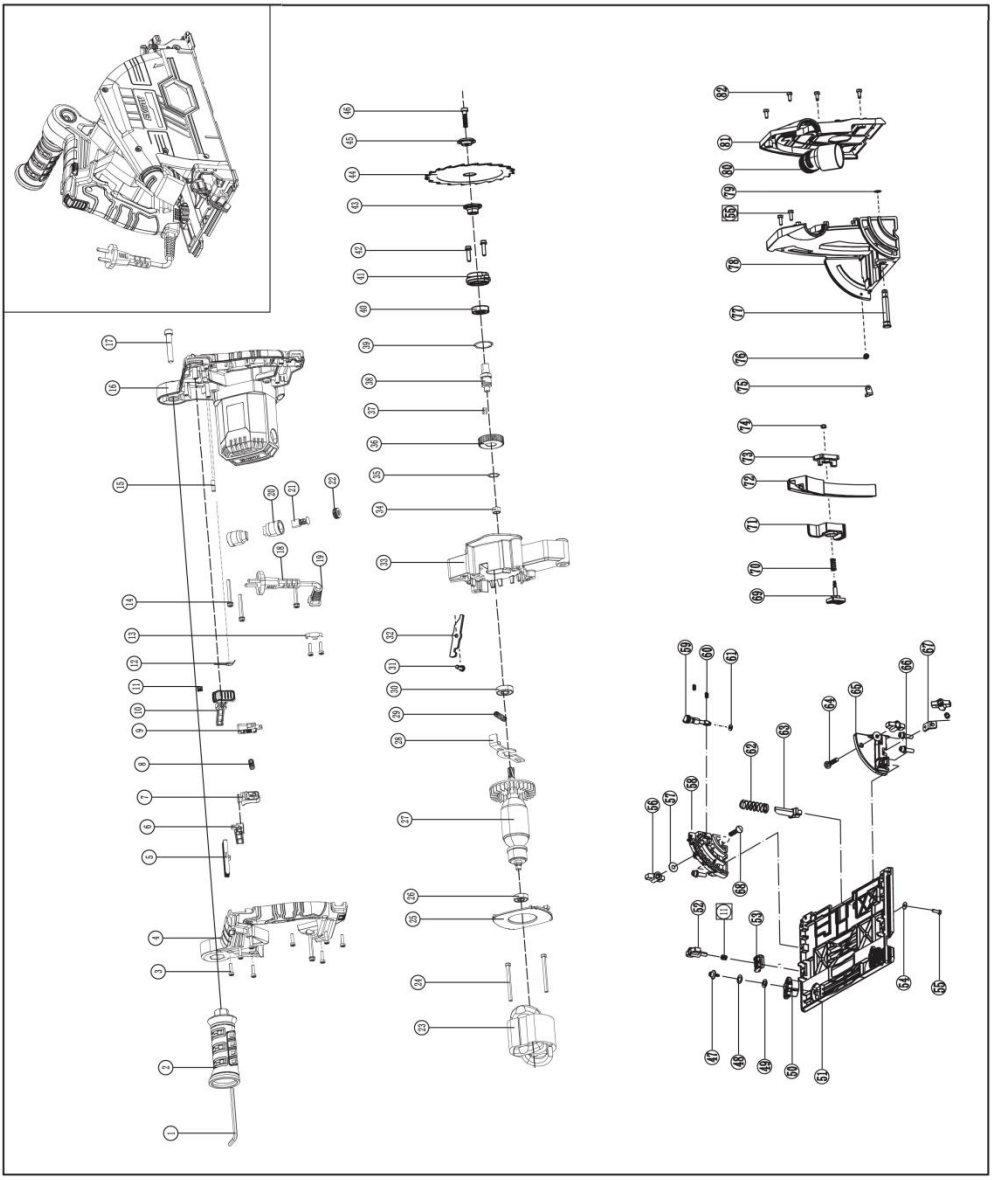
Optional accessories

These accessories or devices are intended for use with power tools listed in this specification. If other accessories or devices are used, there is a risk of injury. Optional accessories or devices may only be used for the specified purpose.

- Guide rail
- Guide ruler
- Angle gauge

80165 Parts Brakdown					
Fig	Part Name	QTY	Fig	Part Name	QTY
1	Hex wrench	1	43	Inner Flange	1
2	Auxiliary handle	1	44	165MM blade	1
3	Cross pan head self-tapping screw ST4*16	8	45	Outer Flange	1
4	Handle cover	1	46	Press screw M6x20 (equivalent to grade 12.9)	1
5	Lock catch	1	47	Hexagonal cylindrical head screw M5×12 (triplet) flat washer Φ15	2
6	Switch guide rod	1	48	Flat washer φ8.3*φ15.2*1.2	2
7	Switch button	1	49	Corrugated washer	2
8	Switch spring	1	50	Eccentric wheel	2
9	Switch	1	51	Base plate	1
10	Push rod	1	52	Press knob	2
11	Push rod spring φ0.5*7*20*φ5.2	3	53	Front press plate	1
12	Torsional spring	1	54	Flat washer Φ4 x Φ12 x 1	1
13	Press plate of cable	1	55	Cross pan head self-tapping screw	5

				ST4*12	
14	Cross pan head screw M5*40 (triple)	4	56	Locking knob	2
15	Rubber column φ5.5*9 (removed)	2	57	Flat washerΦ6*Φ16*1	2
16	Motor housing	1	58	Front leg	1
17	Hexagon socket screw M8*45	1	59	Jacking rod	1
18	Cable	1	60	Set screw M5×10	2
19	Cable sheath	1	61	O-ring d1=5 d2=2.5	1
20	Brush holder	2	62	Return spring	1
21	Carbon brush	2	63	Spring frame	1
22	Brush holder Cover	2	64	Small semi-round square diameter screw M6x25	1
23	Stator φ72*45	1	65	Rear leg	1
24	Cross pan head self-tapping screw ST5*58	2	66	Hexagonal cylindrical head screw M6x20 (triple)	4
25	windshield	1	67	Rear press plate	1
26	Ball bearing 608	1	68	Small semi-round square diameter screw M6x30	1
27	rotor	1	69	Push button	1
28	self-locking	1	70	Push button spring φ1*8*28*φ8.5	1
29	Self-locking spring	1	71	Depth Adjustment plate	1
30	Ball bearing 6000	1	72	Depth gauge	1
31	Cross pan head screw M5*15	1	73	Tape fastener	1
32	Limit plate	1	74	Lock nut M4	1
33	Gear housing	1	75	Pointer	1
34	Needle bearing HK0808	1	76	Cross pan head screw M4 x 8	1
35	Shaft retaining ring φ15	1	77	Pin	1
36	Big gear	1	78	Head housing seat	1
37	Flat key 5*5*8	1	79	Shaft retaining ring φ8	1
38	Spindle	1	80	Dust pipe	1
39	Retaining ring for φ28 holes	1	81	Head cap	1
40	Ball bearing 6001	1	82	Phillips pan head screw M4 x 10	5
41	Front cover	1			
42	Cross pan head screw M5*15 (triple)	2			



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