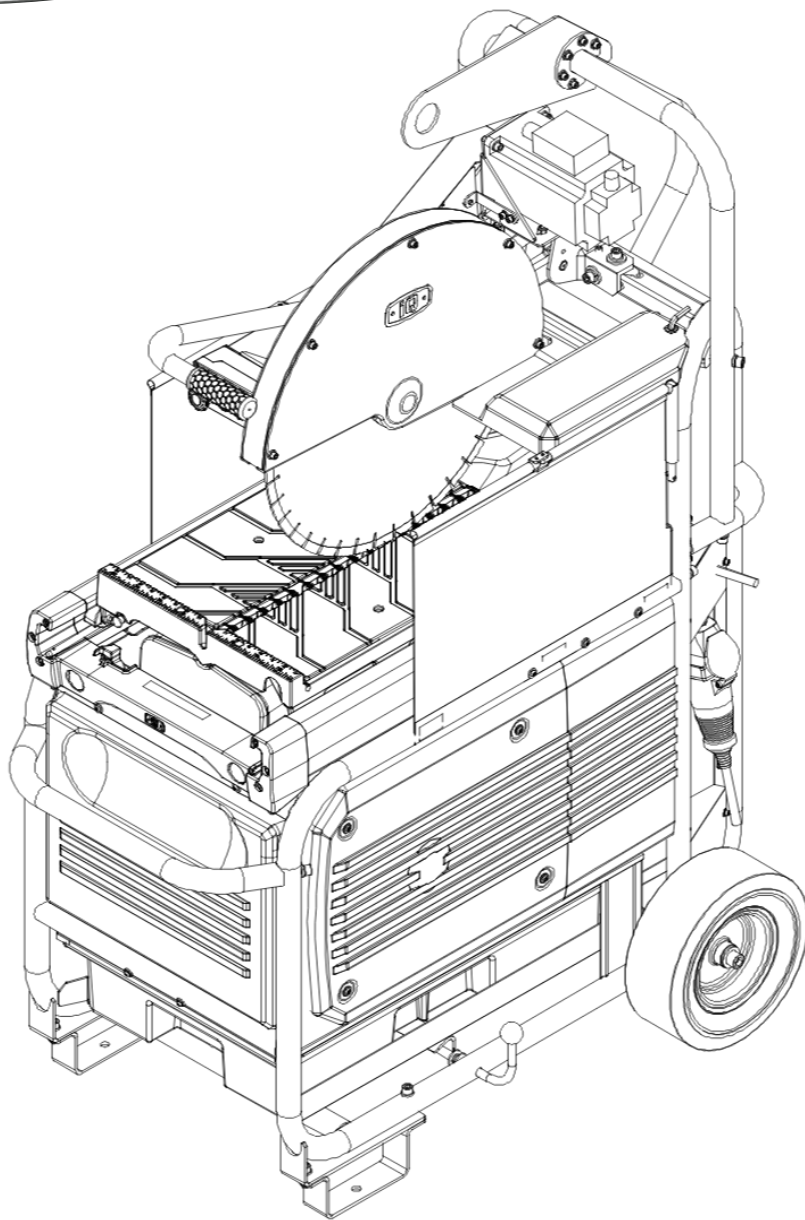




POWER TOOLS™



iQ1550 THE KING CUTTER 21.5"/550mm Masonry Saw



OPERATOR'S MANUAL | MANUEL DE L'OPÉRATEUR | MANUAL DEL OPERADOR



Use QR Code to download the iQ1550 Operator's Manual in your language. Please read the operator's manual carefully and make sure you understand the instructions before using the machine.

Utilisez le code QR pour télécharger le manuel de l'opérateur iQ1550 dans votre langue. Veuillez lire attentivement le manuel d'utilisation et assurez-vous de bien comprendre les instructions avant d'utiliser la machine.

Utilice el código QR para descargar el Manual del operador de iQ1550 en su idioma. Lea atentamente el manual del operador y asegúrese de comprender las instrucciones antes de utilizar la máquina.

(ORIGINAL INSTRUCTION)

DECLARATION

We declare in sole responsibility that the Masonry Saw (iQ1550) to which this declaration applies, complies with these normative documents:

Machinery Directive: 2006/42/EC

Supply of Machinery (Safety) Regulations 2008

Electromagnetic Compatibility Regulations 2016 and conforms to the following EN and BS standard,

EMC Directive: 2014 /30 / EU

EN 12418:2021+A1:2009

EN ISO 12100:2010

EN 60204-1:2018

Year of affixing CE and UKCA marking: 2024

Signature: *Richard Liang*

Name: Richard Liang

Title: VP, Product Engineering and Production

Date: 01/05/2024

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SAFETY RULES

Safety Rules

Warning: Read all safety warnings, instructions, illustrations and specification provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

1. WORK AREA SAFETY

- A) Keep work area clean and well lit. *Cluttered or dark areas invite accidents.*
- B) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. *Power tools create sparks which may ignite the dust or fumes.*
- C) Keep children and bystanders away while operating a power tool. *Distractions can cause you to lose control.*
- D) Set up the machine at a flat and stable surface, free of obstacles and adequately lit.

2. ELECTRICAL SAFETY

- A) Power tool plugs must match 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 the 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 tool 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. *Damages or entangled cords increase the risk of electric shock.*

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

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

3. PERSONAL SAFETY

- A) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. *A moment of inattention while operating power tools may result in serious personal injury.*
- B) Use personal protective equipment. Always wear eye protection. *Protective equipment such as a 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.*

SAFETY RULES

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 hair and clothing away from moving parts. *Loose clothes, jewellery or long hair can be caught in moving parts.*

G) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. *Use of dust collection can reduce dust-related hazards.*

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 a better job and safer at the rate for which it was designed.*

B) Do not use the power tool if the switch does not turn it on and off. *Any power tool that cannot be controlled with the switch is dangerous and must be repaired.*

C) Disconnect the plug from the power source and/or remove the battery pack, if detachable, from the power tool before making any adjustments, changing accessories, or storing power tools. *Such preventative safety measure reduces the risk of starting the power 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 accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have 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 easier to clean.*

G) Use power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. *Use of the power tool for operations different from those intended could result in a hazardous situation.*

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.*

I) Any modification which could lead to a change on the original characteristics of the machine. *For example: rotational speed or maximum diameter of the cutting-off wheel may be carried out only by the manufacturer of the machine is still in conformity with safety regulations.*

J) Adjustment, maintenance, lubrication, repair, cleaning and servicing which shall be carried out only while the machine is shut down and the prime mover stopped.

KEY SYMBOLS & SAFETY RULES

Explanation of Warning Levels

The warnings are graded in three levels.

⚠ WARNING

Used if there is a risk of serious injury or death for the operator or damage to the surroundings if the instructions in the manual are not followed.

⚠ CAUTION

Used if there is a risk of injury to the operator or damage to the surroundings if the instructions in the manual are not followed.

⚠ NOTICE

Used if there is a risk of damage to materials or the machine if the instructions in the manual are not followed.



Please read the operator's manual carefully and make sure you understand the instructions before using the machine or performing any maintenance.



Always wear hearing protection.



Always wear proper face protection.



Always wear protective goggles and/or a visor.



Symbols on the machine



WARNING! The machine can be a dangerous tool if used incorrectly or carelessly, which can cause serious or fatal injury to the operator or others.



POWER TOOLS

iQ1550™

21.5"/550mm MASONRY SAW

Q-DRIVE ARBOR | 2000/min

MAX CUT DEPTH: 8"/225mm

7000W | 220-240V | 50/60Hz

428 Lbs | 194 Kgs

WARNING: FOR YOUR SAFETY



IQPOWERTOOLS.COM • 888-274-7744

PO Box 7449 Moreno Valley, CA

2024 • Made in Taiwan



High voltage. Risk of an electric shock. Turn off machine and unplug before transportation.



Should not be disposed of with general household waste, but collected separately for reuse or recycling.



Keep your hands and feet away from the blade.



CE certified.



KEY SYMBOLS & SAFETY RULES

Other symbols/decals on the machine refer to special certification requirements for certain markets.

TRANSPORT INSTRUCTIONS

1. Turn machine OFF.
Unplug and secure power cord.
2. Lock cutting head in a down position.
3. Lock rolling table before transport.

Additional Safety Warnings



Do not expose to rain.



Never cut without using the blade guard.



Risk of injury due to accidental starting. Do not use in an area where children may be present.



Unused masonry saw may cause personal injury - Remove masonry saw blade when using other accessories.



Always use manufacturer's approved cutting wheels.

SAFETY RULES

Safety Rules

1. KEEP GUARDS IN PLACE and in working order.

2. REMOVE ADJUSTING KEYS AND WRENCHES.

Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

3. KEEP WORK AREA CLEAN. Cluttered areas and benches invite accidents.

4. DON'T USE IN DANGEROUS ENVIRONMENT. Don't use power tools in damp or wet locations, or expose them to rain. Keep work area well lighted.

5. KEEP CHILDREN AWAY. All visitors should be kept at a safe distance from work area.

6. MAKE WORKSHOP CHILD PROOF with padlocks, master switches, or by removing starter keys.

7. DON'T FORCE TOOL. It will do the job better and safer at the rate for which it was designed.

8. USE RIGHT TOOL. Don't force tool or attachment to do a job for which it was not designed.

9. USE PROPER EXTENSION CORD. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Refer to electrical safety section for proper extension cord selection.

10. WEAR PROPER APPAREL. Do not wear loose clothing, gloves, neck ties, rings, bracelets, or other jewelry which may get caught in moving parts. Nonslip footwear is recommended. Wear protective hair covering to contain long hair.

11. ALWAYS USE SAFETY GLASSES. Also use face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.

12. DON'T OVERREACH. Keep proper footing and balance at all times.

13. MAINTAIN TOOLS WITH CARE. Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.

14. DISCONNECT TOOLS before servicing; when changing accessories such as blades, bits, cutters, etc.

15. REDUCE THE RISK OF UNINTENTIONAL STARTING. Make sure switch is in off position before plugging in.

16. USE RECOMMENDED ACCESSORIES. Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury to persons.

17. NEVER STAND ON TOOL. Serious injury could occur if the tool is tipped or if the cutting tool is unintentionally contacted.

18. CHECK DAMAGED PARTS. Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function - check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced.

19. DIRECTION OF FEED. Feed piece into a blade or cutter against the direction of rotation of the blade or cutter only.

20. NEVER LEAVE TOOL RUNNING UNATTENDED
TURN POWER OFF. Don't leave tool until it comes to a complete stop.

INTRODUCTION

Dear Customer

We at IQ Power Tools™ want to congratulate you on selecting the iQ1550™ Dust Control Masonry Saw. We are certain that you will be pleased with your purchase. iQ Power Tools takes pride in manufacturing the most innovative tools and equipment in the industry.

If operated correctly, your iQ1550™ should provide you with years of quality service. This operator's manual contains information you need to operate and maintain your iQ1550™ safely and correctly. Please take a few minutes to familiarize yourself with your new iQ1550™ by reading and reviewing this manual.

If you should have any questions concerning your iQ1550™ please feel free to contact us at
Phone: (888) 274-7744
Email: customer.service@iqpowertools.com

It is our wish that you will be satisfied with your product and that it will prove to be a valued tool for a long time. A purchase of one of our products gives you access to professional help with repairs and services. If the retailer who sells your machine is not one of our authorized dealers, ask him for the address of your nearest service workshop.

This operator's manual is a valuable document. Make sure it is always at hand at the work place. By following its content (using, service, maintenance etc.) the life span and the second-hand value of the machine can be extended. If you ever lend or sell this machine, make sure that the borrower or buyer gets the operator's manual so they will also know how to properly maintain and use it.

Owner Responsibility

It is the owner's/employer's responsibility to ensure that the operator has sufficient knowledge about how to use the machine safely. Supervisors and operators must have read and understood the Operator's Manual. They must be aware of:

- The machine's safety instructions.
- The machine's range of applications and limitations.
- How the machine is to be used and maintained.

Local regulations could restrict the use of this machine. Find out what regulations are applicable where you work before you start using the machine.

The Manufacturer's Reservation

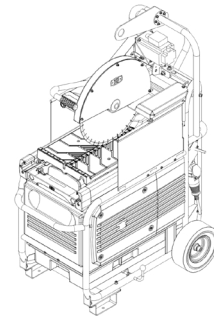
Subsequent to publishing this manual IQ Power Tools may issue additional information for safe operation of this product. It is the owner's obligation to keep up with the safest methods of operation.

iQ Power Tools has a policy of continuous product development and therefore reserves the right to modify the design and appearance of products without prior notice.

For customer information and assistance, contact us at our website: www.iQPowerTools.com

Design & Features

Values such as high performance, reliability, innovative technology, and environmental considerations distinguish iQ Power Tools' products. Safe operation of this product requires the operator to read this manual carefully. Ask your dealer or iQ Power Tools should you need more information.



iQ1550™

DESIGNED WITH AN INTEGRATED VACUUM SYSTEM, FILTER SYSTEM AND DUST CONTAINMENT

This innovative patent pending design combines the features of a professional saw with a powerful cyclonic vacuum system that cuts cleanly and efficiently with no water and no dust.

COMPACT AND MOBILE DESIGN

With compact size and built-in wheels the integrated pull out handle makes for easy transport.

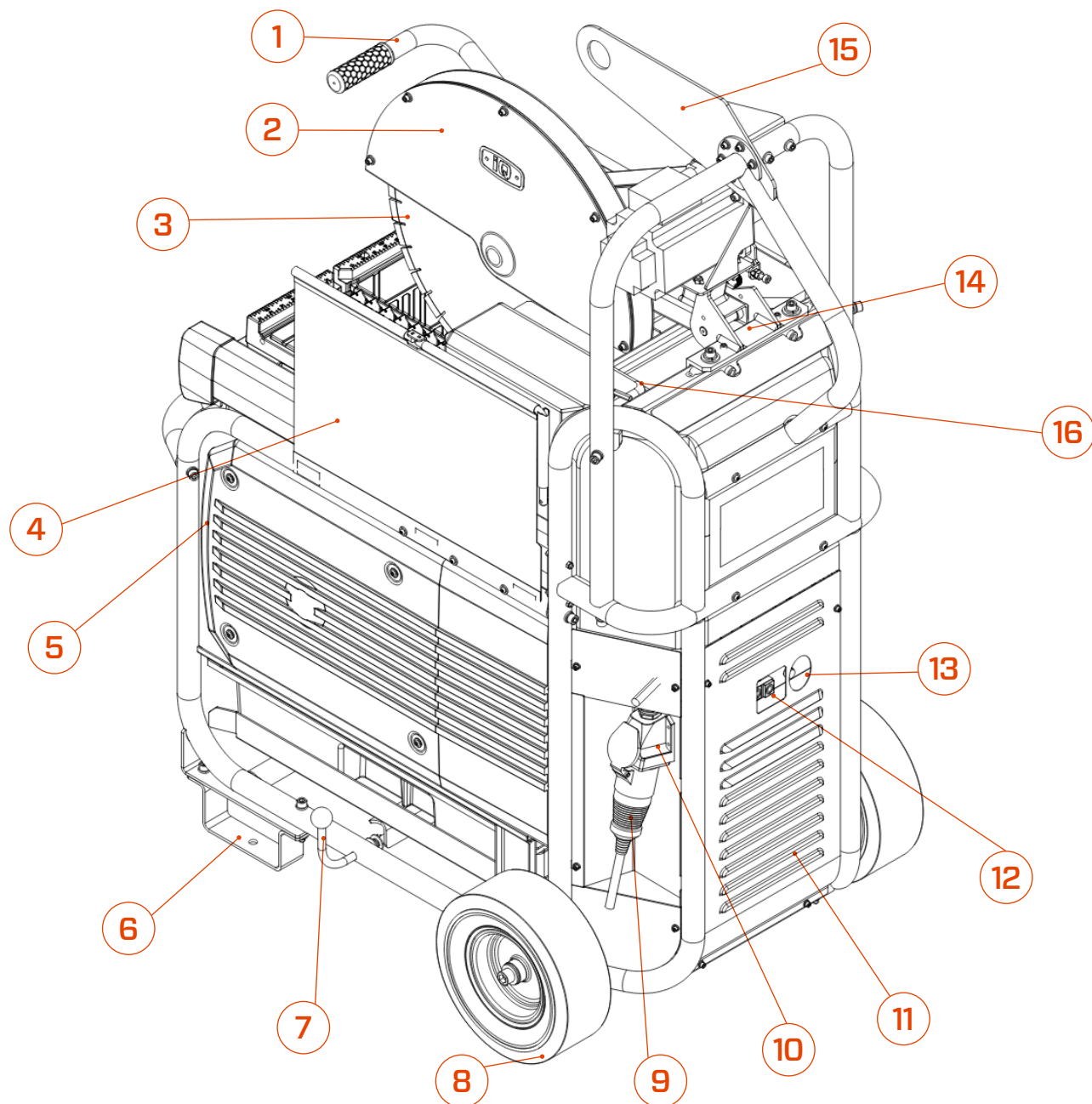
LARGE CUT CAPACITY

Enables cutting of 16"x16" (406mm x 406mm) and 27" on diagonal depending on thickness.

FUNCTIONAL ROLLING TABLE WITH EXPANDABLE TABLE EXTENSION

The rolling table is extra long for better support when cutting. The table extension can be extended for larger materials, then collapsed in for easy transport.

WHAT IS WHAT?



1 - Handle, Cutting Arm

2 - Blade Guard

3 - Blade

4 - Dust Curtain (Left & Right)

5 - Filter Access Panel

6 - Forklift Pocket (Left & Right)

7 - Dust Tray Lift Lever

8 - Wheel (Left & Right)

9 - Main Power Cord

10 - Main Power Plug

11 - Back Panel

12 - Main Power On/Off Switch

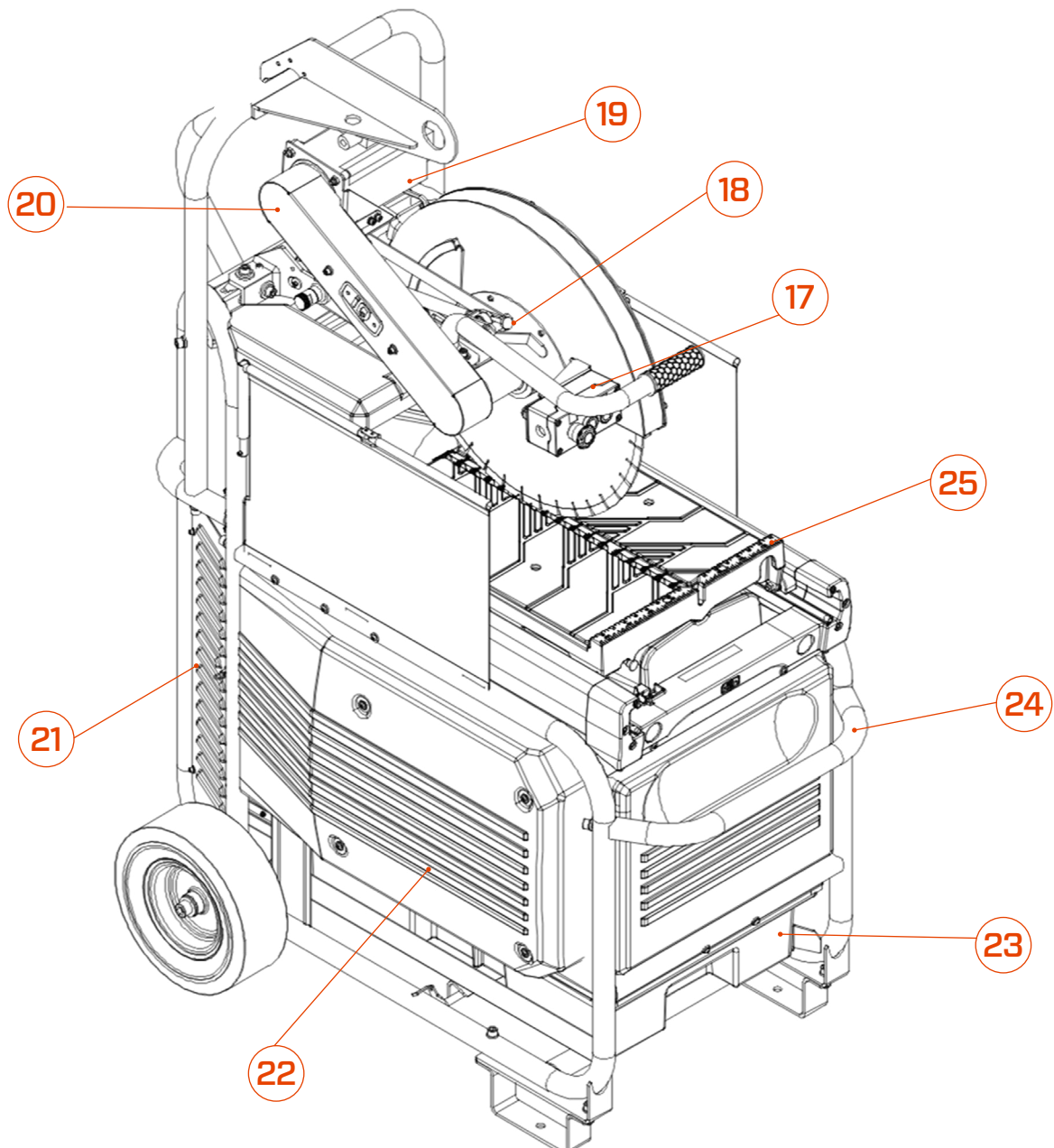
13 - Error Indicator

14 - Saw Motor

15 - Saw Lifting Point

16 - Blade/Assembly Wrench

WHAT IS WHAT?



17 - Control Box

18 - Height Adjustment Lever

19 - Saw Motor

20 - Belt Cover

21 - System Reset Lever

22 - Vacuum Motor
Access Panel

23 - Dust Bin

24 - Front Handle Bar

25 - Rolling Table

MACHINE'S SAFETY EQUIPMENT

General

This section describes the machine's safety equipment, its purpose, and how checks and maintenance should be carried out to ensure that it operates correctly.

⚠ WARNING! NEVER USE A MACHINE THAT HAS FAULTY SAFETY EQUIPMENT

BLADE GUARD

⚠ WARNING! NEVER USE THE MACHINE WITHOUT A GUARD NOR WITH A DEFECTIVE GUARD. ALWAYS CHECK THAT THE GUARD IS CORRECTLY FITTED BEFORE STARTING THE MACHINE.

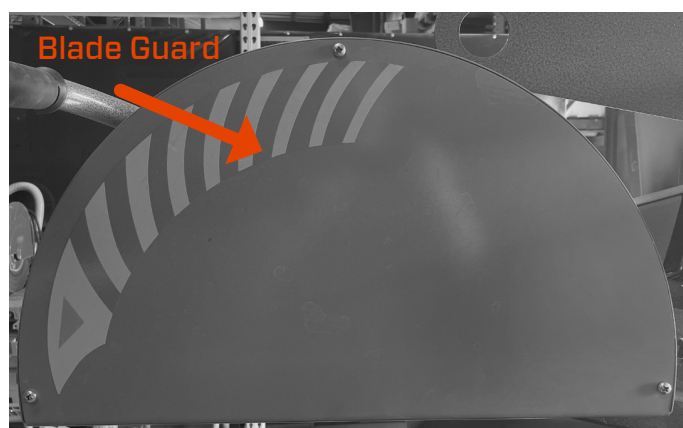
IT IS NOT PERMITTED TO EXPOSE THE BLADE MORE THAN 180 DEGREES WITHOUT PROTECTION.

The blade guard is designed to prevent parts of the blade or cutting fragments from being thrown towards the user.

CHECKING THE BLADE GUARD

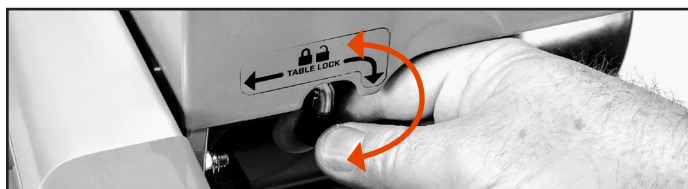
Check that the guard over the blade is not cracked or damaged in any other way. Replace when damaged.

⚠ WARNING! SHUT DOWN THE MACHINE AND DISCONNECT THE POWER PLUG.



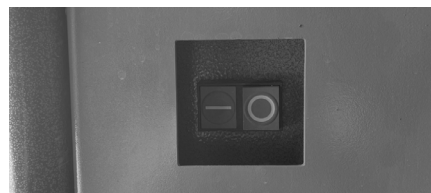
LOCKING KNOB, ROLLING TABLE

The locking knob is used to lock the rolling table in place when in transit. Be sure to lock rolling table before transit to avoid injury.



SAW POWER SWITCH

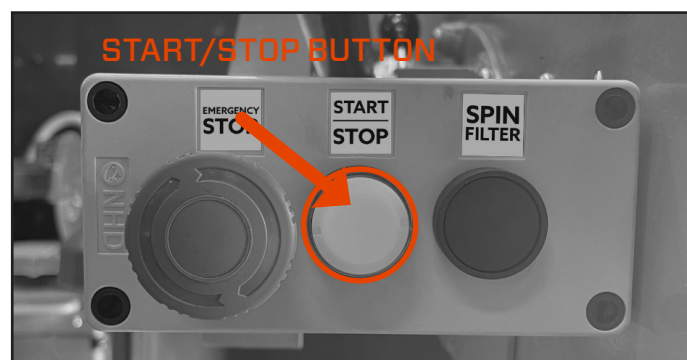
The power switch - / O should be used to start and stop the machine.



SAW START/STOP BUTTON

The Start/Stop button should be used to start and stop the machine.

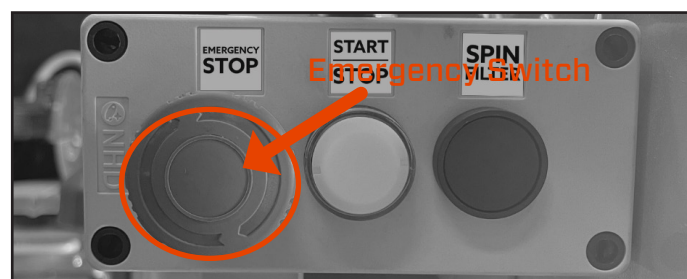
Note: When the light is on, the Start/Stop button does not work. Please wait 25 seconds until the light turns off to press the button again.



EMERGENCY STOP BUTTON

The Emergency Stop button should be used to stop the machine during an emergency.

Note: Please make sure to release the Emergency Stop button after resetting the system.



SYSTEM RESET LEVER

The System Reset Lever should be used to reset the machine after an emergency stop, and/or unexpected power outage or system failure event.

Note: Do not turn, twist, or over-pull the lever to prevent damage.



SAFETY

General

Do not use the machine unless you are able to call for help in the event of an accident. Always have a first aid kit nearby.

⚠ WARNING! POWER TOOLS AND CUTTING MACHINES HAVE THE POTENTIAL TO CREATE SPARKS. ALWAYS KEEP FIRE EXTINGUISHERS HANDY.

⚠ WARNING! SAWING, DRILLING AND GRINDING GENERATES DUST THAT COMES FROM THE MATERIAL BEING CUT, WHICH FREQUENTLY CONTAINS SILICA. SILICA IS A BASIC COMPONENT OF SAND, QUARTZ, BRICK CLAY, GRANITE AND NUMEROUS OTHER MINERALS AND ROCKS.

ALWAYS EMPLOY ENGINEERED DUST CONTROLS AND PERSONAL PROTECTION EQUIPMENT SUITABLE TO THE MATERIAL BEING SAWED, DRILLED OR GROUND; SEE OSHA (29 CFR PART 1910.1200).

NEVER EXPOSE YOURSELF OR BYSTANDERS TO HAZARDOUS DUST THAT EXCEEDS THE PERMISSIBLE EXPOSURE LIMIT (PEL) AS SET BY YOUR LOCAL JURISDICTION OR GOVERNING AGENCY. E.G. OSHA, CSST.

⚠ WARNING! THE USE OF PRODUCTS SUCH AS CUTTERS, GRINDERS, DRILLS THAT SAND OR FORM MATERIAL CAN GENERATE DUST AND VAPORS WHICH MAY CONTAIN HAZARDOUS CHEMICALS. CHECK THE NATURE OF THE MATERIAL YOU INTEND TO PROCESS AND USE AN APPROPRIATE BREATHING MASK.

⚠ WARNING! USE OF THIS PRODUCT CAN CAUSE EXPOSURE TO MATERIALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

⚠ WARNING! PROTECT YOURSELF AND OTHERS FROM OVEREXPOSURE. REFER TO YOUR LOCAL JURISDICTION OR GOVERNING AGENCY. E.G. OSHA, CSST.

PERSONAL PROTECTIVE EQUIPMENT

You must use approved personal protective equipment whenever you use the machine. Personal protective equipment cannot eliminate the risk of injury but it will reduce the degree of injury if an accident does happen.

Listen out for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the motor stops.

Always use approved eye protection

- If you use a face shield then you must also wear approved protective goggles. Approved protective goggles must comply with standard ANSI Z87.1 in the USA or EN 166 in EU countries. Visors must comply with standard EN 1731.

Recommended Personal Protective Equipment:

- Hearing protection
- Breathing mask
- Protective gloves.
- Hair covering or devices to contain long hair, i.e.: Hair Ties For Guys

⚠ CAUTION! LONG TERM EXPOSURE TO NOISE CAN RESULT IN PERMANENT HEARING IMPAIRMENT. ALWAYS USE APPROVED HEARING PROTECTION.

⚠ WARNING! THERE IS ALWAYS A RISK OF CRUSH INJURIES WHEN WORKING WITH PRODUCTS CONTAINING MOVING PARTS. WEAR PROTECTIVE GLOVES TO AVOID BODY INJURIES.

Generally, clothes should be close-fitting without restricting your freedom of movement. Be careful as clothing, long hair, and jewelry can get caught in moving parts.

SAFETY

WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- People and animals can distract you causing you to lose control of the machine. For this reason, always remain concentrated and focused on the task.
- Do not use the machine in bad weather such as dense fog, heavy rain, strong wind, intense cold, etc.
- Never start to work with the machine before the working area is clear and you have a stable work surface.
- Make sure to secure the machine to the ground before starting the machine.

PERSONNEL MUST SECURE THE MACHINE SAFETY

Never use the machine if you are fatigued, while under the influence of alcohol or drugs, medication or anything that could affect your vision, alertness, coordination or judgement.

- Check that no tools or other objects have been left lying on the machine.
- Never allow anyone else to use the machine without proper training.
- Always shut off the machine during remove work breaks.
- Never work alone, always ensure there is another person close at hand.
- Learn how to use the machine and its controls safely and learn to how to stop quickly. Also learn to recognize the safety decals.
- Keep handles dry, clean and free from oil and grease.
- Do not overreach. Keep proper footing and balance at all times.
- Never stand on the machine.

MACHINE USE AND CARE

- This machine is designed and intended for cutting tile, masonry, concrete and stone products. All other use is improper.
- Experience is very important when running the machine. A skilled worker is highly recommended.
- The machine is intended for use in industrial applications by experienced operators.
- Check that the machine is assembled correctly and does not show any signs of damage.
- Always perform daily maintenance before

starting the machine. See instructions in the section "Maintenance".

- Do not overload the machine. Overloading can damage the machine.
- The blade shall be intended for the material to be cut.
- If you are uncertain of what blade to use contact your local service dealer.
- Keep tools sharp and clean in order to enable safer work.
- Keep all parts in good working order and ensure that all fixtures are properly tightened. Replace all worn or damaged decals.
- Never leave the machine unsupervised with the motor running.
- Feed the work piece against the rotation of the blade only!
- Observe care when lifting. You are handling heavy parts, which imply the risk of pinch injuries or other injuries.
- Maximum rolling table material weight capacity is 90LBS/40KG.



Stand upright. Keep distance between your face and the cutting blade. Place both hands on the work piece as far away from the cutting blade as possible. If plunge function is used, place one hand on the cutting handle.

SAFETY

GENERAL SAFETY PRECAUTIONS

This section describes basic safety directions for using the machine. This information is never a substitute for professional skills and experience.

- Please read the operator's manual carefully and make sure you understand the instructions before using the machine. Save all warnings and instructions for future reference.
- Keep in mind that the operator is responsible for accidents or hazards occurring to other people or their property.
- All operators shall be trained in the use of the machine.

The owner is responsible for ensuring that the operators receive training.

- The machine must be kept clean. Signs and stickers must be fully legible.

⚠ WARNING! THE MACHINE CAN BE A DANGEROUS TOOL IF USED INCORRECTLY OR CARELESSLY, WHICH CAN CAUSE SERIOUS OR FATAL INJURY TO THE OPERATOR OR OTHERS.

- Never allow children or other persons not trained in the use of the machine to use or service it.
- Never allow anyone else to use the machine without first ensuring that they have read and understood the contents of the operator's manual.
- Never use the machine if you are fatigued, while under the influence of alcohol or drugs, medication or anything that could affect your vision, alertness, coordination or judgement.

⚠ WARNING! UNAUTHORIZED MODIFICATIONS AND/ OR ACCESSORIES MAY LEAD TO SERIOUS INJURY OR DEATH TO THE USER OR OTHERS.

Do not modify this product or use it if it appears to have been modified by others.

Never use a machine that is faulty. Carry out the safety checks, maintenance and service instructions described in this manual. Some maintenance and service measures must be carried out by trained and qualified specialists. See instructions under the heading Maintenance. Always use genuine accessories. Contact your dealer for more information.

ALWAYS THINK ABOUT YOUR WORK ENVIRONMENT AND USE COMMON SENSE.

It is not possible to cover every conceivable situation you can face. Always exercise care and use your common sense. If you get into a situation where you feel unsafe, stop and seek expert advice. Contact your dealer, service agent or an experienced user. Do not attempt any task or operation that makes you feel unsure whether or not it is safe.

ELECTRICAL SAFETY

WARNING! There is always a risk of shocks from electrically powered machines. Avoid unfavourable weather conditions and bodily contact with lightning conductors and metal objects. Always follow the instructions in the Operator's manual to avoid damage.

⚠ WARNING! WHEN CLEANING THE MACHINE MAKE SURE TO AVOID WATER ENTERING THE ELECTRICAL SYSTEM AND THE MOTOR UNIT. WATER CAN CAUSE DAMAGE TO THE MACHINE OR SHORT CIRCUIT.

- Never connect the machine to an outlet if plug or cord is damaged.
- Check that the main voltage corresponds with that stated on the rating plate on the machine.
- Inspection and/or maintenance should be carried out with the motor switched off and the plug disconnected.
- Always shut down the machine before disconnecting the power plug.
- Never drag the machine by means of the cord and never pull out the plug by pulling the cord. Hold the plug to disconnect the power cord.
- Never use the machine if any cable or plug is damaged, but hand it in to an authorized service workshop for repair.
- Prevent unintentional starting of the motor. Ensure the power switch is in the **OFF**-position before connecting the machine to a power source.
- Do not modify the plug. If it will not fit the outlet, have a proper outlet installed by a qualified electrician. Make sure local regulations and ordinances are followed.

SAFETY

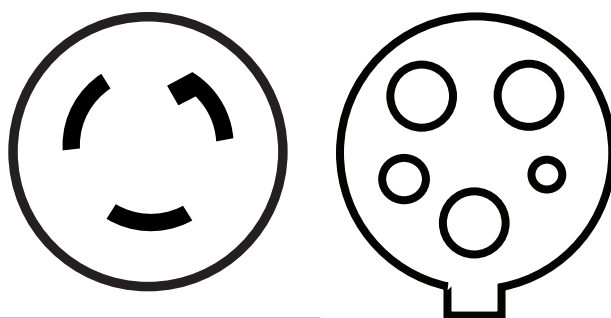
⚠ WARNING! IMPROPER CONNECTION CAN RESULT IN THE RISK OF ELECTRIC SHOCK. CONTACT A QUALIFIED ELECTRICIAN IF IN DOUBT AS TO WHETHER THE APPLIANCE IS PROPERLY GROUNDED.

EXTENSION CORDS AND CABLES

The marking on the extension cable must be the same or higher than the value stated on the machine's rating plate.

- 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.
- Keep the connection to the extension cord dry and off the ground.
- Keep cable away from heat, oil, sharp edges or moving parts. Damaged or entangled cables increase the risk of electric shock.
- Check that the cord and extension cord are intact and in good condition. Never use the machine if any cable or plug is damaged. Take it into an authorized service workshop for repair.
- To avoid overheating, do not use the extension cord while it is rolled up.
- When using an extension cable, use only certified extension cables with sufficient reach.

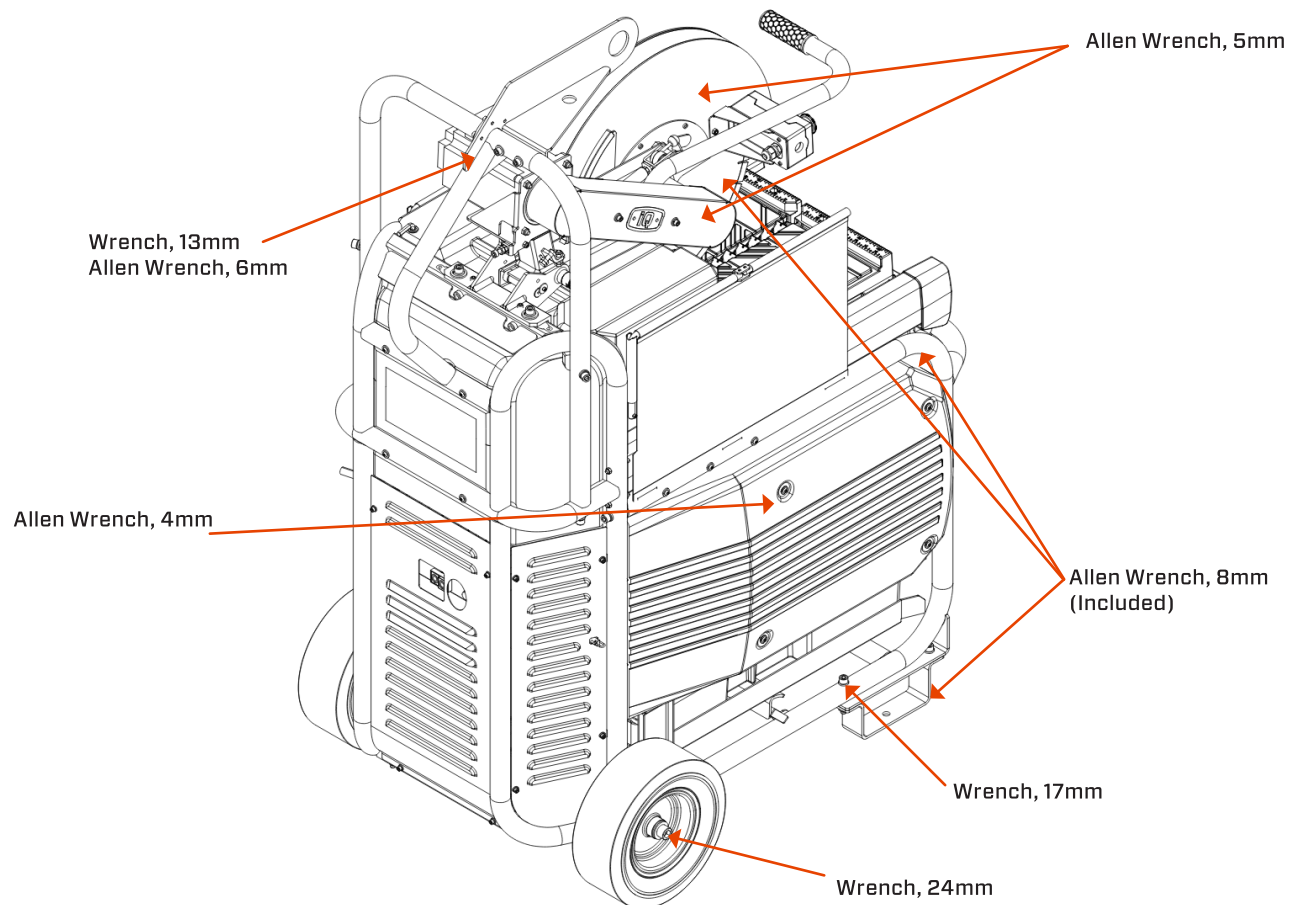
NOTE: 30 AMP POWER REQUIRED



⚠ NOTICE! GOOD MOTOR PERFORMANCE DEPENDS ON PROPER VOLTAGE. EXTENSION CABLES THAT ARE TOO LONG AND/OR HAVE A GAUGE THAT IS TOO SMALL, REDUCE POWER TO THE MOTOR UNDER LOAD, RESULTING IN REDUCED OUTPUT OR MALFUNCTIONS.

ASSEMBLING

TOOLS REQUIRED FOR ASSEMBLY



ASSEMBLING

Assembling your iQ1550

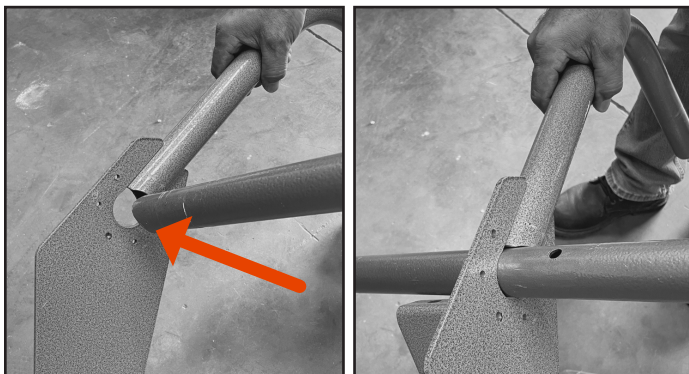
UNBOXING AND ASSEMBLING

Note: Place the saw on a flat, horizontal and stable surface to prevent the equipment from tipping over, sliding, or moving around on the surface.

Note: Please follow the Operation Manual for assembling your product and always make sure to have two person working on the assembling to prevent injuries.

INSTALLING THE LIFT POINT

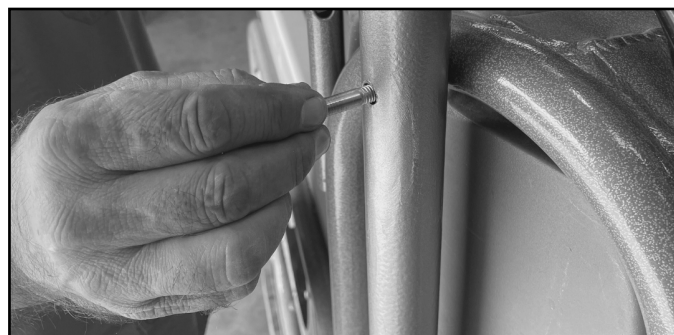
Position the Lift Point 2 to align with the 4 screw locations, and install with bolts provided.



Position the Lift Point 1 to align with the joint plate of Lift Point 2, and install with bolts included.



Install the finished Lift Point Assembly onto the frame following the locations as shown below, with the bolts included.



ASSEMBLING

INSTALLING THE FRONT HANDLE

Position and align the Front Handle to the screw locations, and install with bolts provided.



INSTALLING THE WHEELS

Remove the 4 screws used to secure the Product on the pallet. Slide the Product towards the rear and clear the mounting locations for the wheels.

Position and align the wheel to the mounting hole.

Place the washer to the bolt, and install with bolt. Then fasten the screw to secure the wheels to the frame.



INSTALLING THE FORK LIFT POCKETS

Slide the Product towards the front. Position and align the Fork Lift pockets to the mounting holes and install with bolts provided.

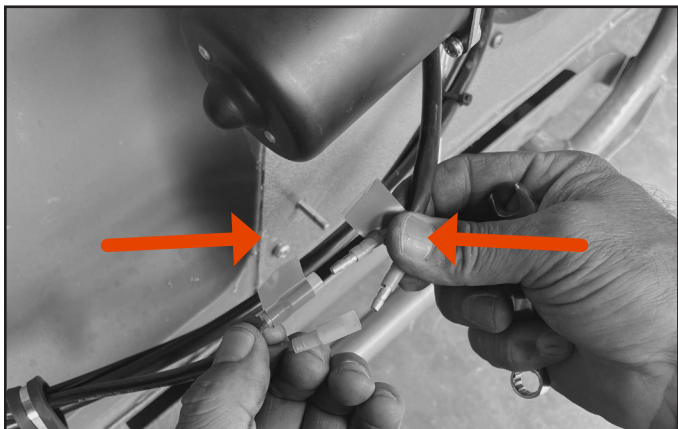
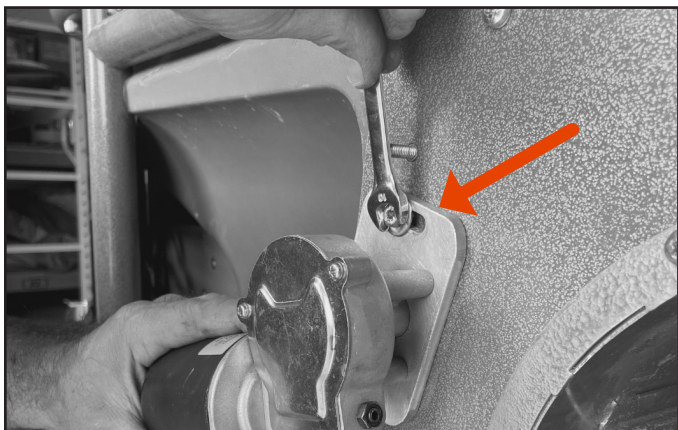


ASSEMBLING

INSTALLING THE SPIN MOTOR

Align the Spin Motor to the mounting holes and slide the motor into the frame, and screw the Spin Motor onto the frame. Last, connect the wires following colors of the label.

Note: If the Spin Motor does not slide into the frame easily, manually rotate the filter a little to adjust to enable Spin Motor sliding in. .



INSTALL THE SIDE PANELS

Position and align the side panels to the mounting holes, install with bolts provided.

Left Panel (This is the side panel covering Spin Motor)



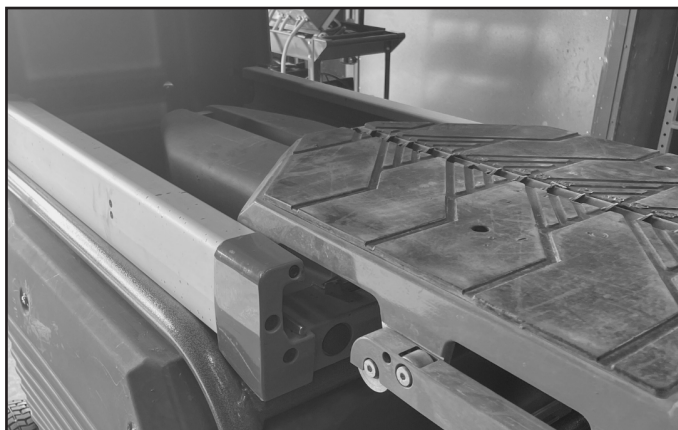
Right Panel (This is the side panel covering Filter door)



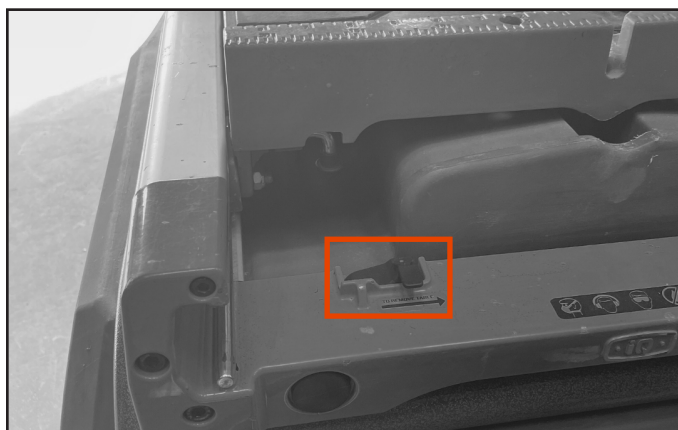
ASSEMBLING

INSTALLING THE ROLLING TABLE

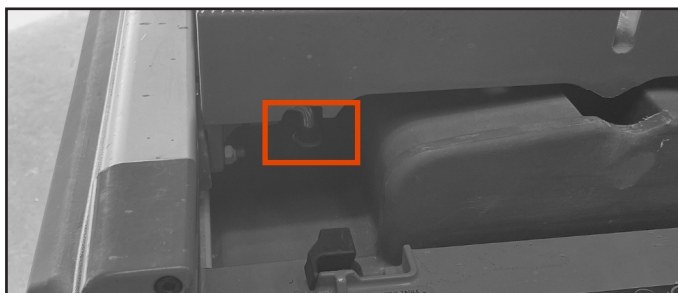
Align the front wheels of the Rolling Table to the rails and slide the Rolling Table onto the rails. Then make sure to flip the table lock to the left, to lock the table. To stop the Rolling Table, flip the rolling table lock to the top.



Put the Remove Table Lock Lever in the up position. The Remove Table Lock Lever should remain in the up position for normal operation. The Remove Table Lock Lever should only be put into the down position when removing the Rolling Table and maintenance.



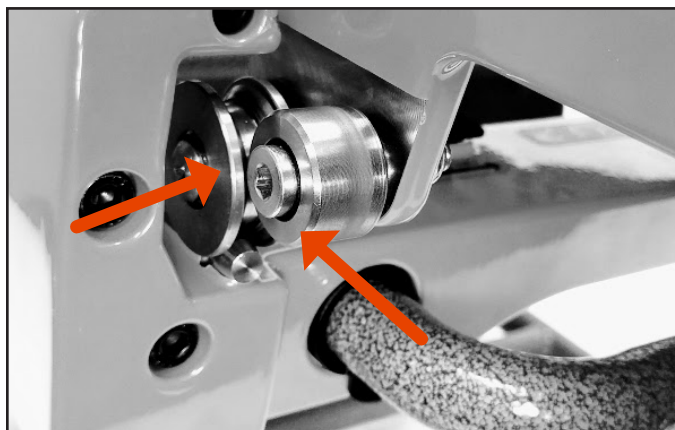
To stop the rolling table from sliding, flip the table lock to the top



⚠ WARNING!

IF THE REMOVE TABLE LOCK LEVER IS LEFT IN THE DOWN POSITION INADVERTENTLY THIS COULD CAUSE DAMAGE AND/OR INJURY

Holding the table in front of you, on the left side of the table line is the 1st notch wheel roller with the guide rail. Push the table along the guide rail until the 2nd and 3rd notch wheel rollers are on the guide rail.



Put the remove table lock lever in the up position. The remove table lock lever should remain in the up position for normal operation. The remove table lock lever should only be put in the down position for table removal and maintenance.

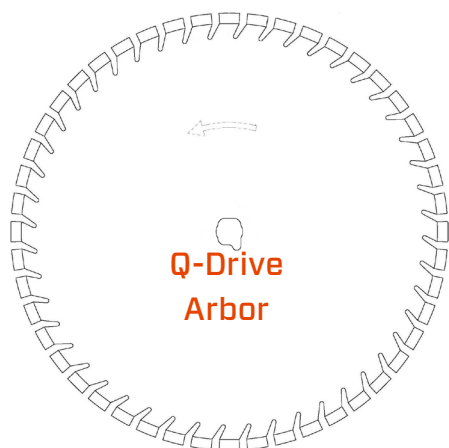
BLADES

General

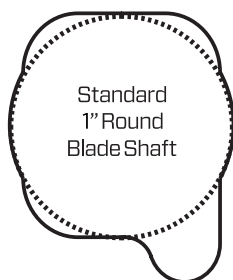
⚠ WARNING! BLADES CAN BREAK AND CAUSE SERIOUS INJURIES TO THE USER. DIAMOND BLADES CAN BECOME VERY HOT WHEN NOT USED PROPERLY. AN OVERHEATED BLADE MAY CAUSE DEFORMATION OF THE BLADE, RESULTING IN DAMAGE AND INJURIES.

The iQ1550™ dry cutting masonry saw utilizes a specially designed diamond blade with a Q-Drive Arbor hole. The 21.5" Q-Drive dry cutting blade uses a proprietary composition of diamond concentration and metal type to make a blade that cuts cool while reducing vibration and movement. The specially designed blade works in conjunction with the vacuum flow to keep the blade and the material cool while cutting.

The iQ1550 21.5" dry cutting blades with Q-Drive Arbor hole can be purchased from your local iQ Power Tools dealer or directly from iQ Power Tools by calling 888-274-7744, or through our website at www.iQpowertools.com



The Q-Drive Arbor hole shape also fits a standard 1" round blade shaft for versatility.



Blades for Different Materials

⚠ WARNING! NEVER USE A BLADE FOR ANY OTHER MATERIAL THAN THAT IT WAS INTENDED FOR. CUTTING PLASTICS WITH A DIAMOND BLADE CAN CAUSE KICKBACK WHEN THE MATERIAL MELTS DUE TO THE HEAT PRODUCED WHEN CUTTING AND STICKING TO THE BLADE. NEVER CUT PLASTIC MATERIALS WITH A DIAMOND BLADE!

Blade selection should be made according to the material being cut. Ask your local dealer for help in choosing the right product.

BLADE VIBRATIONS

- The blade can become out of round and vibrate if too high of a feed pressure is used.
- A lower feed pressure can stop the vibration. Otherwise replace the blade.

SHARPENING DIAMOND BLADES

- Always use a sharp diamond blade.
- Diamond blades can become dull when the wrong feeding pressure is used or when cutting certain materials such as very hard material. Working with a dull diamond blade causes overheating, which can result in the diamond segments coming loose.
- Sharpen the blade by using a dressing stone or by cutting in a soft material such as sandstone or soft brick.

TRANSPORT AND STORAGE

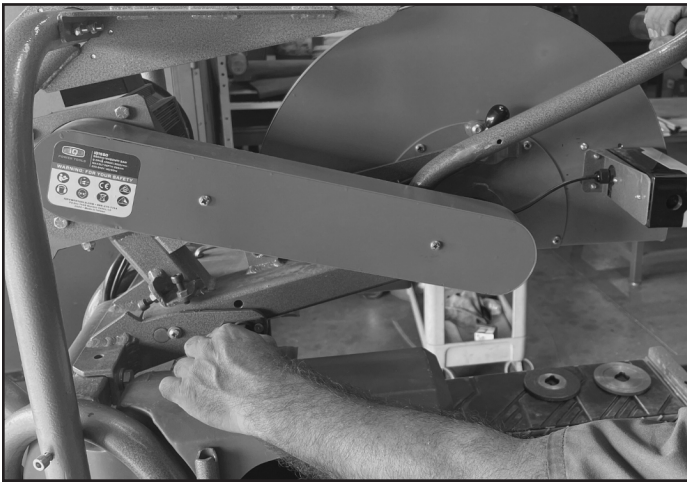
- Remove the blade before transportation or storage of the machine.
- Store the blade in a dry place.
- Inspect new blades for transport or storage damage.

BLADES

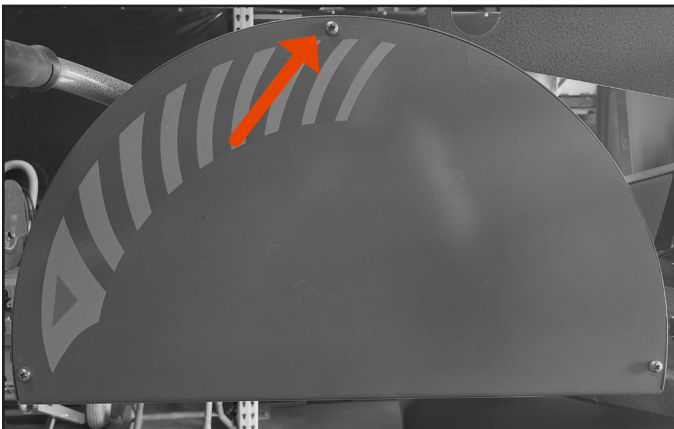
INSTALLING THE BLADE

Push down on the cutting head handle, pull out on the lock down knob, and push the lock down knob back into position to lock the cutting head. Make sure to lock the cutting head when installing/replacing blade to avoid hand injuries.

▲ Note: Please replace blade when noticing cracks or damages on the blade.



Use the provided Blade Wrench to loosen the 5 blade guard screws



Remove the blade shaft nut and outside flange washer.

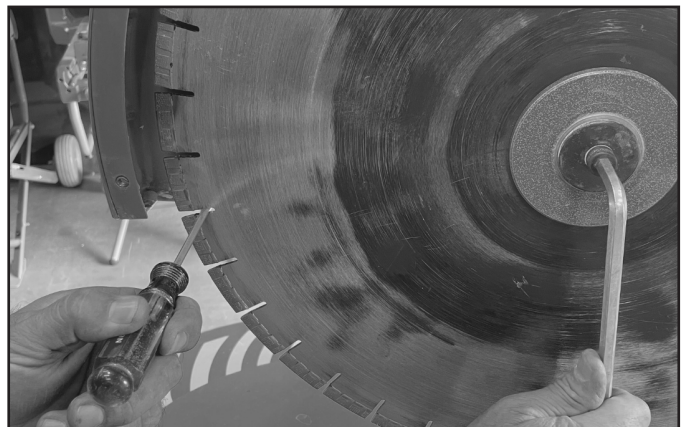


▲ Note the Q-Drive shaped blade shaft. The iQ1550 must be used with the specially designed 21.65"/550mm dry cutting blade with Q-Drive arbor hole. Make sure to always install the blade according to the Q-Drive arbor to ensure correct rotation direction.



▲ Note: The Q-Drive arbor hole shape without bushing also fits standard 1" round blade shaft for versatility.

Insert Blade into blade guard and line up Q arbor hole, and tighten blade screw. Make sure to secure the blade and stop it from rotating when installing/replacing the blade. If needed, use proper tool to stop the blade but make sure not to damage the blade.



Secure blade guard.



OPERATING

Before starting

⚠ WARNING! PLEASE READ THE OPERATOR'S MANUAL CAREFULLY AND MAKE SURE YOU UNDERSTAND THE INSTRUCTIONS BEFORE USING THE MACHINE

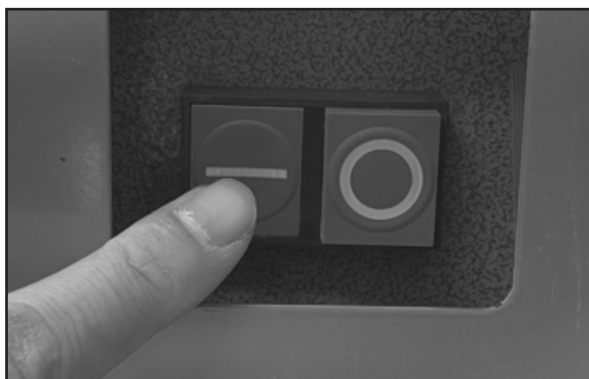
Wear personal protective equipment. See instructions under the heading "Personal Protective Equipment". Make sure no unauthorized persons are in the working area, otherwise there is a risk of serious personal injury. Prevent unintentional starting of the motor. Ensure the machine is powered off before connecting to a power space

Check that the machine is assembled correctly and do not show any signs of damage. See instructions in the section "Assembling and Adjustments".

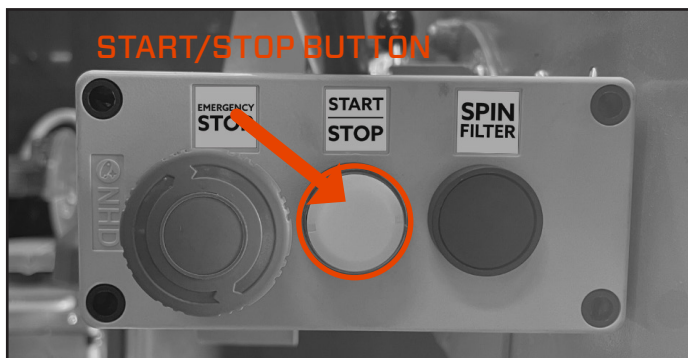
- Perform daily maintenance. See instructions in the section "Maintenance".

STARTING MACHINE

The saw power switch starts the saw motor and vacuum motor simultaneously. To start the machine, locate the main power switch on the back of the machine and press the GREEN power on button. Defective switches should be replaced by an authorized service workshop.



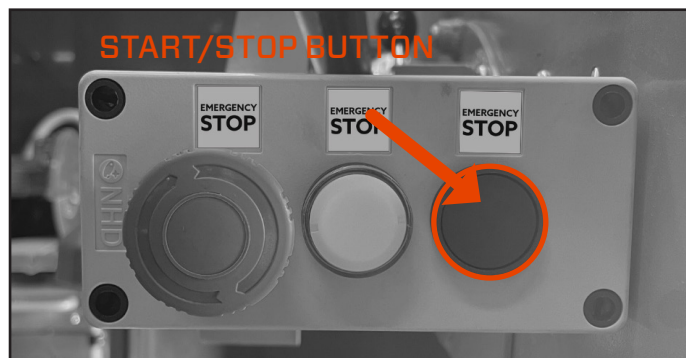
After pressing the GREEN power on button, press the Start/Stop button located under the handle bar.



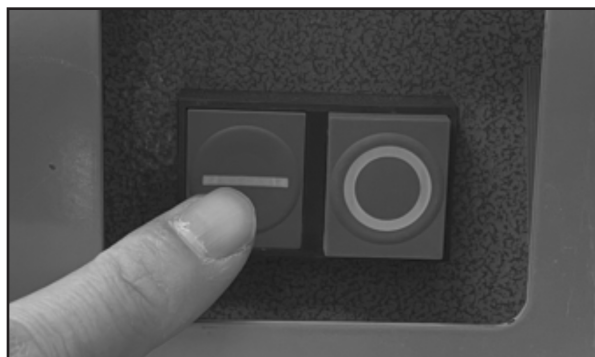
STOPPING MACHINE

To stop the machine, press the Start/Stop button located under the handle bar.

Note: Light will turn on after pressing the button to stop the machine. Light will remain on for 25 seconds before the Start/Stop button is activated again.



To power down the machine, press the RED power off button.



⚠ WARNING! MAKE SURE CUTTING BLADE COMES TO A COMPLETE STOP BEFORE PERFORMING ANY MAINTENANCE OR TRANSPORTING.

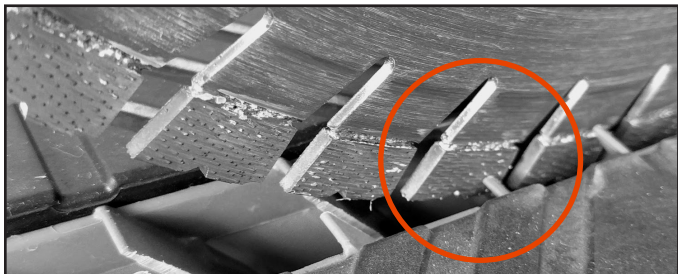
Note: The Q-Drive shaped blade shaft. The iQ1550 must be used with the specially designed 21.65"/550mm dry cutting blade with Q-Drive arbor hole. Make sure to always install the blade according to the Q-Drive arbor to ensure correct rotation direction.

OPERATING

Basic working techniques

MAKING THE FIRST CUT

While making the first cut, you will notice the blade is cutting into the plastic louvers. This is normal and part of their design.



TYPICAL CUTTING OPERATION

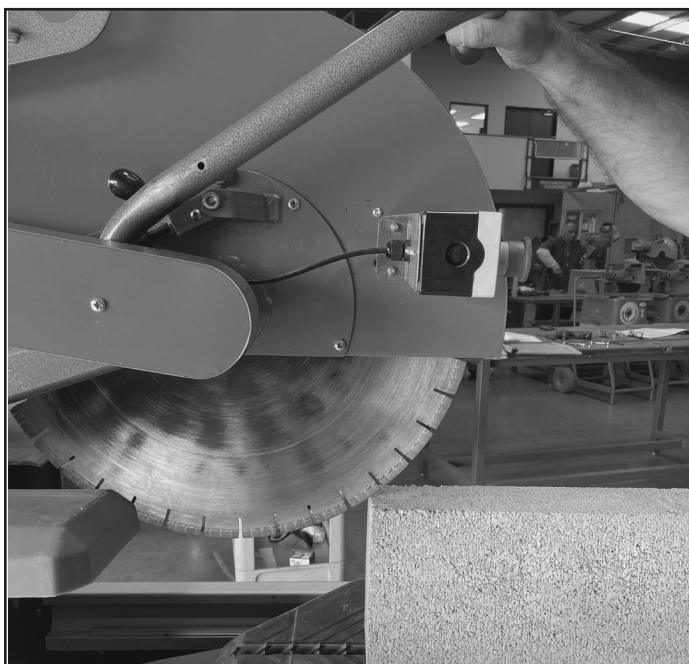
The cutting head should be left in the lock down position for typical tile cutting.

⚠ WARNING!

OPERATING THE MACHINE IN SITUATIONS WHERE DUST COLLECTION IS LIMITED FOR PROLONGED PERIODS CAN CREATE DUSTY AND POTENTIALLY HAZARDOUS WORK ENVIRONMENT FOR THE OPERATOR AND OTHER PERSONS IN THE VICINITY.

CHOP CUTTING

When cutting oversized material, it is recommended that the operator keep the blade as low as possible to direct dust into the louvers.



OPERATING

Maintenance

⚠ WARNING! PLEASE READ THE OPERATOR'S MANUAL CAREFULLY AND MAKE SURE YOU UNDERSTAND THE INSTRUCTIONS BEFORE USING THE MACHINE

⚠ WARNING! NEVER CLEAN MOTOR AND ELECTRIC PARTS WITH WATER.

GENERAL

To prevent accidental starting, the steps described in this chapter must be performed with the motor off and the power cable removed from the socket.

⚠ NOTICE! KEEP THE ROLLING TABLE SURFACE FREE OF CHIPS AND LARGE DEBRIS.

Wear personal protective equipment. See instructions under the heading "Personal Protective Equipment". The life span of the machine can be reduced and the risk of accidents can increase if machine maintenance is not carried out correctly and if service and/or repairs are not carried out professionally. If you need further information, please contact your nearest servicing dealer.

⚠ NOTICE! KEEP THE DUST COLLECTION LOUVERS AND TOP SLOT FREE OF CHIPS AND LARGE DEBRIS.

DAILY MAINTENANCE

- Check that the machine's safety equipment is undamaged. See instructions in the section "Machine's safety equipment".
- Clean the outside of the machine. Do not use a high pressure washer to clean the saw.
- Open the blade guard. Clean both the inside and outside, and close the blade guard.

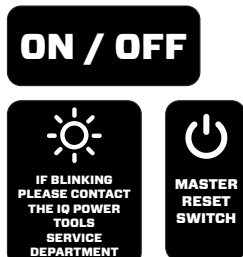
⚠ CAUTION FAILURE TO KEEP THE DUST COLLECTION LOUVERS AND TOP SLOT FREE OF CHIPS AND LARGE DEBRIS COULD RESULT IN THE ROLLING TABLE JAMMING AGAINST THE TOP SLOT AND CAUSING DAMAGE TO THE MACHINE.

⚠ WARNING! MISHANDLING OF THIS PRODUCT COULD VOID WARRANTY.

VACUUM AND FILTER MAINTENANCE

FILTER SYSTEM

Filter system of the iQ1550 is designed to function automatically with the masonry saw. The vacuum motor starts automatically when the saw motor starts, and the system is designed to operate for up to 12-month before changing new filter.

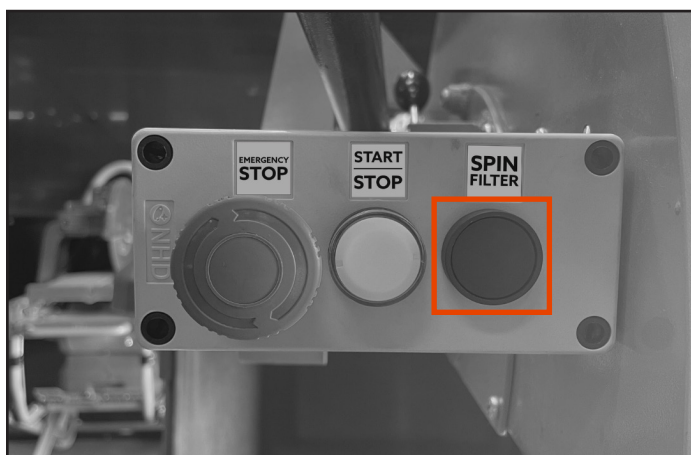


Turn the Dust Bin Release Lever to the left to disengage the Dust Bin and pull out the Dust Bin to empty the dust.



CLEANING THE FILTER AND EMPTYING DUST TRAY

Press the filter spin button every time when stopping the machine for 5-10 seconds.



NOTE: Empty the dust into bag or sealed container and dispose properly.

VACUUM AND FILTER MAINTENANCE

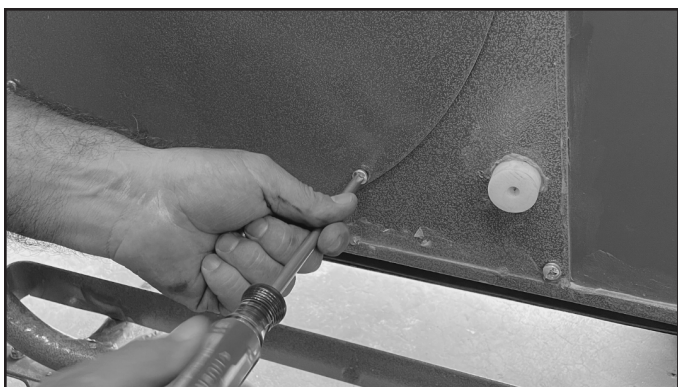
⚠ WARNING! MAKE SURE CUTTING BLADE COMES TO A COMPLETE STOP BEFORE PERFORMING ANY MAINTENANCE OR TRANSPORTING.

⚠ WARNING! WHILE DOING MAINTENANCE ON THIS MACHINE THERE IS A POTENTIAL EXPOSURE TO DUST WHICH MAY CONTAIN HAZARDOUS MATERIAL. PROTECT YOURSELF BY WEARING AN APPROPRIATE BREATHING MASK.

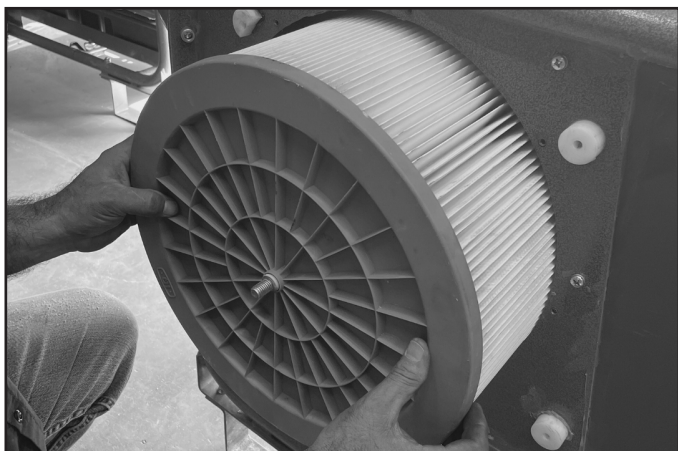
CHANGING THE FILTER AND FILTER CLEANING TAB

Remove the side panel by untightening the screws.
Remove the filter door by untightening the screws.

Remove and replace filter cleaning tab. While pushing down on retainer (A) slide filter cleaning tab out (B) of filter cleaning tab bracket.

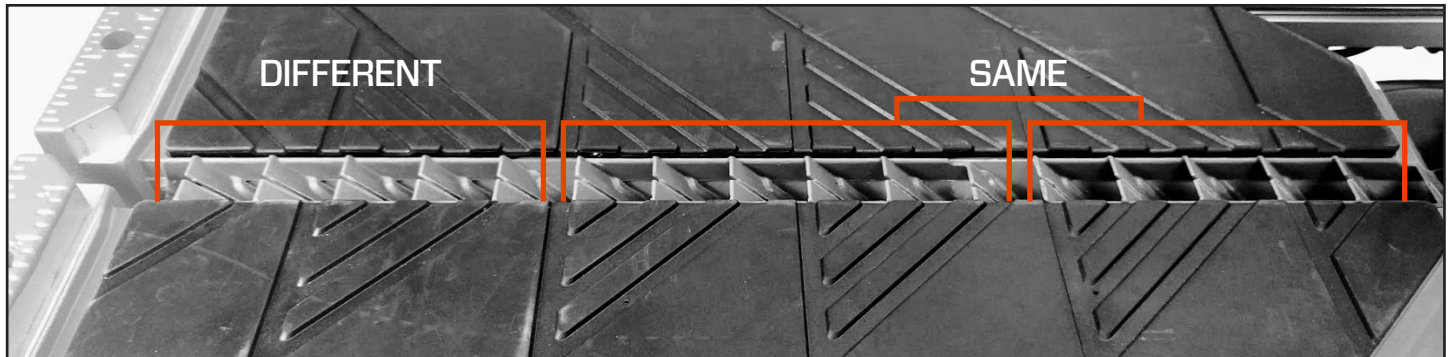


Remove the filter. It is recommended to change the filter with a new filter every 12 month of usage.
Depending on the wear and tear, you may change the filter tabs by unscrewing the screws that hold the tabs.



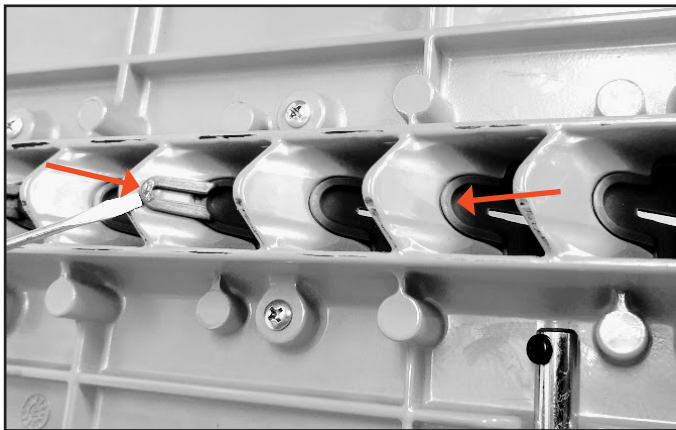
CHANGING THE LOUVERS

Periodically the plastic louvers will need to be changed. The plastic louvers are made up of three sections. The two front pieces are the same while the rear piece is different.



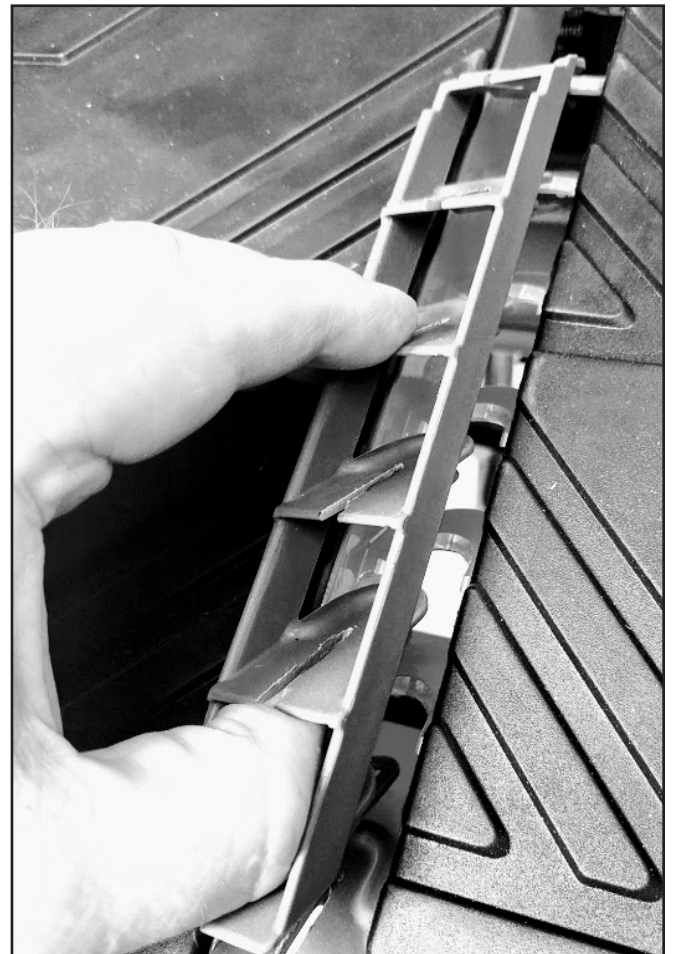
REMOVING THE LOUVERS

To change the louvers, remove the table and set it on a secure surface with the wheels up. Each section of plastic louver has a loop retainer that slips over a tab on the table louvers. With light pressure lift up plastic loop and push down to release. Repeat this process at each end of each louver.



REPLACING THE LOUVERS

Start with the back plastic louver. With the table right side up, line the plastic louvers up with table louvers, push down at 45° and snap into place.



TRANSPORTING

⚠ CAUTION!

THE LOCK CATCH MUST CLICK IN PLACE WHEN IN THE LOCKED UP POSITION & LOCKED DOWN POSITION.



Transportation

TRANSPORT INSTRUCTIONS

Make sure the table lock is secure before transporting saw. Failure to lock table may cause the table to slide off the saw and cause serious injury.

1. Turn machine OFF. Unplug and secure power cord.
2. Lock cutting head in a down position.
3. Lock rolling table to avoid injury during transport. ⚠
4. Unlock transport handle and extend for easy transport.

GENERAL

Stop the motor and disconnect the power cable before lifting or moving the machine.

- Secure the equipment during transportation in order to avoid transport damage and accidents.
- Ensure that the rolling table is locked and that the extension table is locked in its inner position.
- Store the equipment in a lockable area so that it is out of reach of children and unauthorized persons.
- For transport and storage of Blades, see the section “Blades”.
- Lift the machine at the short ends.

⚠ WARNING!

WARNING! BE SURE TO LOCK THE ROLLING TABLE BEFORE TRANSPORT TO AVOID EQUIPMENT DAMAGE OR PERSONAL INJURY.

TRANSPORTING

TRANSPORTING

Method 1: Hold the front and top handle bars to use the wheels to move the system.



Method 2: Adjust the width of the forks of the Forklift, and place both forks underneath the system.
Note: Make sure to secure the unit to the Forklift before start moving the system.



Storage

⚠ WARNING!

THE IQ1550 IS A PRECISION CUTTING TOOL. PROPER CARE DURING TRANSPORT AND STORAGE IS IMPORTANT TO MAINTAIN FACTORY SETTINGS AND CUTTING PERFORMANCE.

⚠ WARNING!

MISHANDLING OF THIS PRODUCT COULD VOID WARRANTY.

TROUBLESHOOTING GUIDE

BE SURE TO FOLLOW SAFETY RULES AND INSTRUCTIONS.
MANY COMMON PROBLEMS CAN BE SOLVED EASILY BY UTILIZING THE CHART BELOW.
FOR MORE SERIOUS OR PERSISTENT PROBLEMS, CONTACT IQ POWER TOOLS AT 1-(888)274-7744.

TROUBLE! SAW WILL NOT START

WHAT'S WRONG?	WHAT TO DO
1. Saw not plugged in	1. Plug in saw
2. Cord is damaged	2. Have cord replaced by authorized service center
3. Saw does not turn on	3. Make sure to reset Emergency Stop Button. Check and reset System Reset Lever. Turn on power button.
4. Error Indicator light is on	Check for error message and contact your service center. 1 Blink – Over voltage 2 Blink – Low voltage 3 Blink – Vacuum Controller Overheat 4 Blink – RMS over current 5 Blink – HALL error 6 Blink – Vacuum motor overload 7 Blink – Peak over current 8 Blink – Vacuum motor rotation reversed

TROUBLE! SAW MAKES UNSATISFACTORY CUTS

1. Dull cutting blade	1. Replace cutting blade
2. Blade not cutting	2. Use dressing stone
3. Build up on cutting wheel	3. Use dressing stone to remove build up
4. Incorrect cutting wheel for work being done	4. Change the cutting wheel

TROUBLE! CUTTING WHEEL DOES NOT COME UP TO SPEED

1. Extension cord too small of a wire gauge or too long	1. Replace with adequate size cord
2. Low house voltage	2. Contact your electric company

TROUBLE! MACHINE VIBRATES EXCESSIVELY

1. Stand or bench on uneven floor	1. Reposition on flat level surface
2. Damaged saw cutting wheel	2. Replace cutting wheel

TROUBLE! LOSS OF VACUUM SUCTION

1. Vacuum motor not running	1. Check vacuum motor for error codes, and replace vacuum motor by authorized service center if needed.
2. Filter spin motor not running	2. Check filter spin motor for connection, and replace filter spin motor by authorized service center if needed.
3. Filter clogged	3. Press Filter Spin button to clean filter
4. Dust tray in unlocked position	4. Lock dust tray in locked position

TECHNICAL DATA

SAW MOTOR IQ1550

POWER, HP / KW	4 / 3
VOLTAGE, V	220V
PHASES	1
FREQUENCY, HZ	50
BLADE SPEED, RPM	2000

VACUUM MOTOR

POWER, AMP / KW	13 / 1.8
VOLTAGE, V	220V - 240V
PHASES	1
FREQUENCY, HZ	50
RPM	7600
CFM	800 / 1200 MAX

CUTTING EQUIPMENT

BLADE SIZE - MAX, INCH/MM	21.65 / 550
CUT DEPTH - MIN. INCH/MM	8 / 203
THORAT CAPACITY - MIN. INCH/MM	16 / 406
RIP CAPACITY - MIN. INCH/MM	16 / 406
DIAGONAL CAPACITY - MIN. INCH/MM	27 / 685
ARBOR CONFIGURATION	Q-DRIVE

DIMENSIONS

WEIGHT (LB/KG)	428 / 194
SHIPPING WEIGHT (LB/KG)	470 / 214
SIZE (l x w x h), INCH/MM	33 x 68 x 55 / 838 x 1727 x 1397
SHIPPING DIMENSIONS (l x w x h), INCH/MM	33 x 68 x 55 / 838 x 1727 x 1397

SOUND

A-WEIGHTED SOUND PRESSURE LEVEL MEASURING

LOADING:	POSITION 1-5	LpA = 94.9 dB
THE UNCERTAINTIES		KPA = 2.5 dB

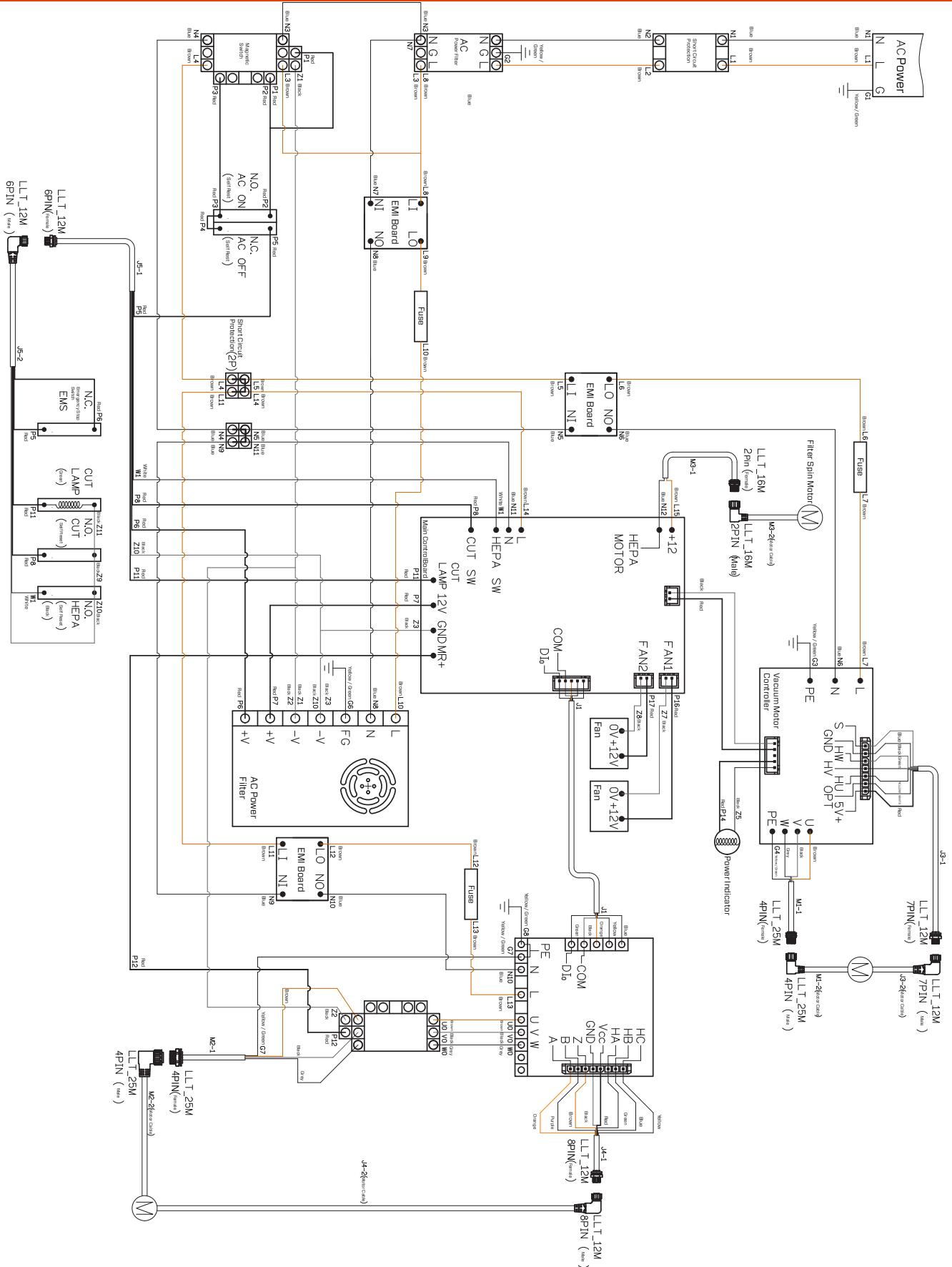
A-WEIGHTED SOUND POWER LEVEL MEASURING

LOADING:	CALCULATED	LWA = 107.9 dB
THE UNCERTAINTIES		KWA = 2.5 dB

VIBRATION

VIBRATION	2.5m/s ²
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WIRING DIAGRAM



WARRANTY

New iQ1550™ Masonry Saw, sold by iQ Power Tools or an iQ authorized dealer is warranted to be free from manufacturing defects in normal service for a one year period from date of purchase by the original consumer purchaser. Warranty period for rental items is 90 days.

All iQ products must be registered either through our website or by mailing in the Warranty Card in order for the warranty to be active and valid. This Warranty shall not apply to any parts that have been subjected to misuse or improper service, damaged in transit or handling, altered or repaired by unauthorized representatives, or used with a blade that is not recommended by iQ Power Tools.

Any claim arising under this Warranty must be submitted by the original purchaser within the Warranty period specified above and must include proof of purchase. Within Warranty period, options are either to replace or repair any parts or components that are found to be defective by iQ Power Tools at no charge to the original purchaser. iQ Power Tools shall not be responsible or obligated to pay for freight or other transportation-related costs or expenses in connection with any defective products, replacements, or components that are returned to iQ Power Tools facility or any authorized repair station.

Parts and labor needed to maintain products, and the replacement of components due to normal wear and tear, are the purchaser's responsibility and are not covered by this Warranty. All products or components replaced under Warranty become the property of the manufacturer. All replacement parts will be considered to be part of the original product and any Warranty on such parts will expire concurrently with this original Warranty.

iQ Power Tools will pay for parts and labor in connection with Warranty repairs conducted by iQ Power Tools or its authorized repair center. Replacement parts installed by anyone else will be provided without a charge but this Warranty will not apply to labor charges in connection therewith.

IN NO EVENT SHALL ANY LIABILITY UNDER THIS WARRANTY EXCEED THE REPLACEMENT COST OF ANY DEFECTIVE PRODUCT OR COMPONENT THEREOF. iQ POWER TOOLS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR FOR ANY OTHER DAMAGE OR LOSS NOT EXPRESSLY ASSUMED AS SET FORTH HEREIN.

The Warranty on the terms above is the only Warranty. This limited Warranty is expressly in lieu of all other Warranties, whether expressed or implied.



POWER TOOLS

888-274-7744 | WWW.IQPOWERTOOLS.COM