iQPC912® VSK US

Operator’s Manual

Please read the operator’s manual carefully and make sure you understand the instructions before using the machine.
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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.

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.

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

⚠️ Always use manufacturer’s approved cutting wheels.

⚠️ Always wear protective goggles and/or a visor.

⚠️ 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.

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

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

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

7. **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.

8. **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.

9. **DON’T OVERREACH.** Keep proper footing and balance at all times.

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

11. **REDUCE THE RISK OF UNINTENTIONAL STARTING.**
    Make sure switch is in off position.

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

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

14. **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.

15. **DIRECTION OF FEED.** Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

16. **NEVER LEAVE TOOL RUNNING UNATTENDED TURN POWER OFF.** Don’t leave tool until it comes to a complete stop.
Dear Customer
We at IQ Power Tools™ want to congratulate you on selecting the iQPC912®VSK Power cutter attachment Dust Control Attachment. 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 iQPC912®VSK should provide you with years of quality service. This owners manual contains information you need to operate and maintain your iQPC912®VSK safely and correctly. Please take a few minutes to familiarize yourself with your new iQPC912®VSK by reading and reviewing this manual.

If you should have any questions concerning your iQPC912®VSK, please feel free to contact us at: 888-274-7744 or 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 authorised 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 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.

iQPC912®VSK
The iQPC912®VSK is a dry, concrete and masonry power cutter with an integrated dust control system. Operated and used according to the manual, the iQPC912®VSK will provide years of dependable service.

BLADE CAPACITY:
The iQPC912®VSK uses a 12-inch diameter laser welded segmented diamond blades

MATERIAL TYPES:
The iQPC912®VSK can cut a variety of masonry and concrete products, types include, wall brick, paver brick, concrete block and concrete pipe or cylinders, roofing tile, marble, granite, decorative rock or almost any other non-ferrous material.

NOTE:
The iQPC912®VSK is not designed to cut plastic, wood or ferrous (metals) materials.
WHAT IS WHAT?

1 - Outer dust guard
2 - Inner Dust Guard
3 - Blade Bolt
4 - Blade Thrust Washer
5 - Blade
6 - Blade Guard
7 - Filter Housing
8 - Front Handle
9 - Filter Cover
10 - Decompression Valve
11 - Starter Handle
12 - Fuel Tank
13 - Filter Spin Handle
14 - Lower Dust Chamber
15 - Door Latch
16 - Door Pull Handle
WHAT IS WHAT?

1 - Throttle Lockout
2 - Air Filter Cover
3 - Warning Label
4 - Front Handle
5 - Operating Procedure Label
6 - Filter Housing
7 - Beam Cover
8 - Paver Skate
9 - Belt Tensioner Screw
10 - Dust Door
11 - Dust Door Latch Tab
12 - Beam Bolts
13 - Engine Foot Support
14 - Clutch Cover
15 - Front Handle Brace
16 - Rear Handle
WHAT IS WHAT?

1 - Ignition on/off Switch
2 - Fast Idle Lock
3 - Serial Number Plate
4 - Throttle Trigger Control
5 - Throttle Lock Out
6 - Choke Control Lever
7 - 5mm ball end driver
8 - 6” Hex T-Handle 3mm
9 - Combination T Spanner Tool
10 - Small Screwdriver
11 - Allen Wrench 4mm
12 - Allen Wrench 5mm
SAFETY

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


NEVER EXPOSE YOURSELF OR BYSTANDARDS 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.

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

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

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.

WARNING! USE OF THIS PRODUCT CAN CAUSE EXPOSURE TO CHEMICALS, INCLUDING COBALT, LEAD, AND SILICA DUST WHICH ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. FOR MORE INFORMATION, GO TO WWW.P65WARNINGS.CA.GOV
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.

PERSONAL 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 hard materials like concrete and masonry 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.
- Never use machine indoors. Be aware of the dangers of inhaling engines’ exhaust fumes.

TRANSPORT AND STORAGE
Store the power cutter in a lockable area so that it is out of reach of children and unauthorised persons. All blades should be removed from the cutter after use and stored carefully. Store cutting blades in dry, frost free conditions. Inspect new blades for transport or storage damage.

GUARD FOR THE BLADE
This guard is fitted above the cutting blade and is designed to prevent parts of the blade or cutting fragments from being thrown towards the user.

Check that the guard is complete and without any cracks or deformations.
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.

FUEL SAFETY
Fuel safety
(Refueling/Fuel mixture/Storage.)

- Never refuel the machine while the engine is running.
- Make sure there is plenty of ventilation when refueling or mixing fuel (gas and 2-stroke oil).
- Move the machine at least 10 feet from the refueling point before starting it.
- Never start the machine:
  - If you have spilled fuel on it. Wipe off the spillage and allow remaining fuel to evaporate.
  - If you have spilled fuel on yourself or your clothes, change your clothes. Wash any part of your body that has come in contact with fuel. Use soap and water.
- If the machine is leaking fuel.
  Check regularly for leaks from the fuel cap and fuel lines.
- Store and transport the machine and fuel so that there is no risk of any leakage or fumes coming into contact with sparks or naked flames, for example, from electrical machinery, electric motors, electrical relays/switches or boilers.
- Always store fuel in an approved container designed for that purpose.
- When storing the machine for long periods the fuel tank must be emptied. Contact your local gas station to find out where to dispose of excess fuel.
- Always use a fuel container with an anti-spill valve.
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

VIBRATION DAMPING SYSTEM
Your machine is equipped with a vibration damping system that is designed to minimize vibration and make operation easier.

The machine’s vibration damping system reduces the transfer of vibration between the engine unit/cutting equipment and the machine’s handle unit.

The engine body, including the cutting equipment, is insulated from the handles by vibration damping units. Regularly check the vibration damping units for cracks or deformation.

Make sure the vibration damping units are securely attached to the engine unit and handle unit.

Keep the handles clean and dry.

STOP SWITCH
Use the stop switch to switch off the engine.

\[O = OFF / I = ON\]

Start the engine and make sure the engine stops when you move the stop switch to the stop setting.

MUFFLER
The muffler is designed to keep noise levels to a minimum and to direct exhaust fumes away from the user.

**IMPORTANT INFORMATION**
For mufflers it is very important that you follow the instructions on checking, maintaining and servicing your machine. See instructions under the heading Checking, maintaining and servicing the machine’s safety equipment. Never use a machine that has a faulty muffler. Regularly check that the muffler is securely attached to the machine.

**WARNING!** THE MUFFLER GETS VERY HOT IN USE AND REMAINS SO FOR A SHORT TIME AFTERWARDS. DO NOT TOUCH THE MUFFLER IF IT IS HOT!

**WARNING!** THE EXHAUST FUMES FROM THE ENGINE ARE HOT AND MAY CONTAIN SPARKS WHICH CAN START A FIRE. NEVER START THE MACHINE INDOORS OR NEAR COMBUSTIBLE MATERIAL!

**WARNING!** THE INSIDE OF THE MUFFLER MAY BE CARCINOGENIC. AVOID CONTACT WITH THESE ELEMENTS IN THE EVENT OF A DAMAGED MUFFLER.

THROTTLE LOCKOUT
The throttle lockout is designed to prevent accidental operation of the throttle.

When the throttle lockout (A) is pressed in this releases the throttle trigger (B). The throttle lockout remains pressed in as long as the throttle trigger is pressed. When the grip on the handle is released the throttle trigger and the throttle lockout both return to their original positions. This is controlled by two independent return spring systems. This means that the throttle trigger is automatically locked in the idle position.

Make sure the throttle trigger is locked at the idle setting when the throttle lockout is released.

Press the throttle lockout and make sure it returns to its original position when you release it.

Check that the throttle trigger and throttle lockout move freely and that the return springs work properly.

Start the power cutter and apply full throttle. Release the throttle trigger and check that the cutting blade stops and remains stationary. If the cutting blade rotates when the throttle is in the idle position you should check the carburetor’s idle adjustment.
SAFETY

Ensure that the working area is sufficiently illuminated to create a safe working environment.

- Do not move the machine when the cutting equipment is rotating.
- Always ensure you have a safe and stable working position.
- Make sure that no pipes or electrical cables are routed in the area to be cut.

- Always cut at maximum speed.
- Start cutting smoothly, allowing the machine to work without forcing or pressing in the blade. Move the blade slowly follow the cutting direction arrows indicated on the blade guard. Always cut in a downward direction to ensure proper dust capture. It’s important to keep the dust guard against the material being cut for best results.
- Do not use the upper quarter of cutting blade to cut. If the upper quarter of the cutting blade is applied to material, the machine can be flung back toward the operator with great force. The machine and the rotating cutting blade can cause severe injury.
- Feed down the machine in line with the blade. Pressure from the side can damage the blade and is very dangerous.

HOW TO AVOID KICKBACK

What is kickback?
The word kickback is used to describe the sudden reaction that causes the power cutter and cutting blade to be thrown from an object when the upper quadrant of the blade, known as the kickback zone or NO Cut Zone, touches an object.

GENERAL CUTTING TECHNIQUE
The technique described below is of a general character. Check information for each blade regarding individual cutting characteristics.

- Support the work piece in such a way that it is possible to predict what will happen, and so that the cut remains open while cutting.
- Check that the blade is not in contact with anything when the machine is started.
- Stand at a comfortable distance from the work piece.
- Take care when inserting the blade in an existing cut.
- Never cut above shoulder height.
SAFETY

• Be alert to movement of the work piece or anything else that can occur, which could cause the cut to close and pinch the blade.

PULL IN
Pull in occurs when the disc’s lower section suddenly stops or when the cut closes. (To avoid, see the heading “Basic rules” and “Jamming/rotation”, here below.)

PINCHING/ROTATION
If the cut is pressed together this can lead to jamming. The machine can be pulled down suddenly with a very powerful force.

HOW TO AVOID PINCHING
Support the work piece in such a way that the cut remains open during the cutting operation and when the cut is finished.

Make sure that the right spacer bushing is used for the cutting blade to be fitted on the machine.

See the instructions under the heading Assembling the cutting blade.

High-quality blades are often most economical. Lower quality blades often have inferior cutting capacity and a shorter service life, which results in a higher cost in relation to the quantity of material that is cut.

DIAMOND BLADES
Diamond blades consist of a steel body provided with segments that contain industrial diamonds. When using diamond blades make sure that it rotates in the direction indicated by the arrow on the blade.

Always use a sharp diamond blade. Sharpen the blade by cutting in a soft material such as sandstone or brick.

Diamond blades are available in several hardness classes. A “soft” diamond blade has a relatively short service life and large cutting capacity. It is used for hard materials such as granite and hard concrete. A “hard” diamond blade has a longer service life and reduced cutting capacity, and should be used for soft materials such as brick and asphalt.

MATERIAL
Diamond blades are ideal for masonry, concrete and other composite materials. Diamond blades are not recommended for cutting metal. The iQ PowerCutter™ should never be used to cut metal.

DIAMOND BLADES FOR DRY CUTTING
Diamond blades for dry cutting are a new generation of blades that do not require water cooling. However, the blades will still be damaged by excessive heat. It is most economical to allow the blade to cool by simply lifting it out from the cut every 30–60 seconds and letting it rotate in the air for 10 seconds.

Check that the blade is approved for the same or higher speed as stated in the operator’s manual.

Never use a cutting blade with a lower speed rating than that of the power cutter.

Ensure the blade it not cracked or damaged in any other way.

Cutting Blades

GENERAL
Use only diamond blades approved for cutting concrete and masonry.

Do not cut metal materials.

Always remove the cutting blade when the machine is transported.
SHARPENING DIAMOND BLADES
Diamond blades can become dull when the wrong feeding pressure is used or when cutting certain materials such as high strength concrete. Working with a blunt diamond blade causes overheating, which can result in the diamond segments coming loose. Sharpen the blade by cutting in a soft material such as sandstone or brick.

BLADE VIBRATION
The blade can become out-of-round and vibrate if an excessive feed pressure is used. A lower feed pressure can stop the vibration. Otherwise replace the blade. The blade must be of the recommended type for the material to be cut.

CHECKING THE DRIVE AXLE AND FLANGE WASHERS
Check that the threads on the drive shaft are undamaged.

Check that the contact surfaces on the blade and the blade thrust washers are undamaged, of the correct dimension, clean, and that they run properly on the drive axle.

Do not use warped, notched, indented or dirty blade thrust washers.

Do not use different dimensions of blade thrust washers.

FITTING THE CUTTING BLADE
iQ Diamond Blades are approved for hand-held power cutters. Blades are manufactured with 1” (25.4mm) diameter center hole.

The blade is placed on the bushing “C” between the inner thrust washer “A” and the outer thrust washer “B” The thrust washer is turned so that it fits on the axle.

Tightening torque for the bolt holding the blade is: 15-25 Nm (130-215 in.lb). The shaft can be locked using a screwdriver, steel pin or the like.

This is slid in as far as possible. The blade is tightened clockwise.

When a diamond blade is mounted on the power cutter make sure that the diamond blade will rotate in the direction indicated by the arrow on the blade. When the blade is replaced with a new one, check the flange washers and the drive axle. See instructions under the heading Checking the drive axle and blade thrust washers.

GUARD FOR THE BLADE
The guard must always be fitted on the machine.

RETRACTING DUST GUARD
The lower retracting dust guard should be inspected for damage and wear to ensure smooth operation.

WARNING!
A CUTTING BLADE MAY BURST AND CAUSE INJURY TO THE OPERATOR. NEVER USE A CUTTING BLADE AT A LOWER SPEED RATING THAN THAT OF THE POWER CUTTER. NEVER USE A CUTTING BLADE FOR ANY OTHER MATERIALS THAN THAT IT WAS INTENDED FOR.

WARNING!
OVEREXPOSURE TO VIBRATION CAN LEAD TO CIRCULATORY DAMAGE OR NERVE DAMAGE IN PEOPLE WHO HAVE IMPAIRED CIRCULATION. CONTACT YOUR DOCTOR IF YOU EXPERIENCE SYMPTOMS OF OVEREXPOSURE TO VIBRATION. THESE SYMPTOMS INCLUDE NUMBNESS, LOSS OF FEELING, TINGLING, PRICKING, PAIN, LOSS OF STRENGTH, CHANGES IN SKIN COLOR OR CONDITION. THESE SYMPTOMS NORMALLY APPEAR IN THE FINGERS, HANDS OR WRISTS.
FUEL MIXING INSTRUCTIONS

CAUTION! The machine is equipped with a two-stroke engine and must always be run using a mixture of petrol and two stroke engine oil. It is important to accurately measure the amount of oil to be mixed to ensure that the correct mixture is obtained. When mixing small amounts of fuel, even small inaccuracies can drastically affect the ratio of the mixture.

Use good quality unleaded or leaded gasoline.

The lowest octane recommended is 90 (RON). If you run the engine on a lower octane grade than 90 so-called knocking can occur. This gives rise to a high engine temperature, which can result in serious engine damage.

TWO-STROKE OIL

- For best results and performance use two-stroke engine oil, which is specially formulated for air cooled two-stroke engines.
- Never use two-stroke oil intended for water-cooled engines, sometimes referred to as outboard oil (rated TCW).
- Never use oil intended for four-stroke engines.

MIXING RATIO

<table>
<thead>
<tr>
<th>Gas, gallons</th>
<th>Two-stroke oil, ounces</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2.6 (1/3 cup)</td>
</tr>
<tr>
<td>5</td>
<td>13 (1-2/3 cup)</td>
</tr>
<tr>
<td>10</td>
<td>26 (3-1/4 cups)</td>
</tr>
<tr>
<td>15</td>
<td>39 (4-7/8 cups)</td>
</tr>
<tr>
<td>20</td>
<td>52 (6-1/2 cups)</td>
</tr>
</tbody>
</table>

MIXING

- Always mix the gas and oil in a clean container intended for fuel.
- Always start by filling half the amount of the gas to be used. Then add the entire amount of oil. Mix (shake) the fuel mixture. Add the remaining amount of gas.
- Mix (shake) the fuel mixture thoroughly before filling the machine’s fuel tank. Do not mix more than one month’s supply of fuel at a time.
- If the machine is not used for some time the fuel tank should be emptied and cleaned.

FUELING

- Keep the handle dry and free from oil and fuel.
- Ensure that the fuel is well mixed by shaking the container before filling the tank.
- Always exercise care when refilling the fuel. Move the machine at least 10 feet from the fueling area before it is started. Check that the fuel cap is tightened correctly.
- Clean around the fuel cap. Clean the fuel tank regularly. The fuel filter should be changed at least once a year. Contamination in the tanks causes malfunction.

WARNING!

UNDER ALL CIRCUMSTANCES AVOID GRINDING USING THE SIDE OF THE BLADE: IT WILL ALMOST CERTAINLY BE DAMAGED, BREAK AND CAN CAUSE IMMENSE DAMAGE. ONLY USE THE CUTTING SECTION.

DO NOT PULL THE POWER CUTTER TO ONE SIDE, THIS CAN CAUSE THE BLADE TO JAM OR BREAK RESULTING IN INJURY TO PEOPLE.

CAUTION! IF THE DIAMOND BLADE SHOWS SIGNS OF FATIGUE CRACKING, REPLACE THE BLADE BEFORE STARTING WORK.

ONLY USE THE MACHINE IN AREAS WITH GOOD VENTILATION. NEGLECT CAN RESULT IN SERIOUS INJURY OR DEATH.

WARNING!

STARTING & STOPPING INSTRUCTIONS

Starting A Cold Engine

Ignition: (A) Press the ignition switch to the on position. 
I = ON / O = OFF

Choke: (B) Pull the choke control fully out.

Fast idle lock: (C)
(1) Press in the throttle lockout.
(2) Press the throttle trigger control
(3) and then press the fast idle lock
Release the throttle trigger control and it is locked in the
fast idle position. The fast idle lock releases when the
throttle trigger control is pressed in fully.

Decompression valve: (D)
Press in the decompression valve every time you pull the
starter cord to reduce the pressure in the cylinder, this is
to assist starting the power cutter. The decompression
valve should always be used when starting.

WHY IS THIS REQUIRED?
The iQ PC912TM is a high performance 93 cc high
compression engine that requires the operator to press
the decompression valve every time the starter cord is
pulled. Failure to engage the decompression valve will
damage the pull start assembly and cause injury.

STARTING

(1) Grip the front handle with your left hand.
(2) Put your right foot on the lower section of the rear
handle pressing the machine against the ground.
(3) Grip the starter handle. Press the decompression
valve with your right thumb.
(4) Slowly pull out the cord with your right hand until
you feel some resistance (the starter pawls grip), now
quickly and powerfully pull the cord.

Never twist the starter cord around your hand. Once
the engine pops or fires, push the choke control fully in.
Press the decompression valve and the engine should
start on next pull. When the engine starts, quickly apply
full throttle to automatically disengage fast idle.
Starting A Warm Engine
Use the same starting procedure as for a cold engine but without setting the choke control in the choke position.

When the engine starts, quickly apply full throttle to automatically disengage fast idle.

CAUTION! Do not pull the starter cord all the way out and do not let go of the starter handle when the cord is fully extended. This can damage the machine.

STOPPING
The engine is stopped by pressing the ignition switch to the off position.

Spin Filter Instructions
Spin the filter handle once after each cut.

When making longer cuts, stop every 12 inches and allow the blade to stop, spin the filter handle three times around then continue cutting.

*Keeping the filter clean is essential for proper operation and effective dust capture.*

DUMPING DUST AND DEBRIS
After cutting approximately 5 feet or cycling the filter five times the lower dust collection chamber will be full and must be dumped.

(A) Using a suitable container to hold dust (5 gallon bucket or similar)
- With engine idling hold the iQPC912 at a 45° angle over the container.

(B) Release the dump door latch

(C) Pull the dump door lever to open dump door.
- Wait a few seconds to allow dust and debris to slide out of the lower dust chamber.
- Spin the filter handle a few times to ensure the filter is clean allowing dust and debris to fall into the lower dust chamber.

Pull the dump door lever to open (D) the dump door again allowing any residual dust and debris to slide out.
- Visually inspect no more dust or debris is coming out, release the door pull lever allowing the dump door to return to its closed position.

(E) Rotate the dump door latch to the right or locking position.

*Continue cutting*
MAINTENANCE & TROUBLE SHOOTING

OVERVIEW
The IQPC912VSK power cutter is an innovative tool that integrates a power cutter and a dust collection vacuum and filtration system. Because the IQPC912VSK incorporates a vacuum system, the operator needs to clearly understand how the system works, proper cutting techniques, and managing the filtration and debris dumping procedure. Like any professional tool, understanding the proper operational procedures is essential to the safe and effective use of the IQPC912VSK power cutter.

PROPER CUTTING TECHNIQUE
Always cut with the bottom quadrant of the blade known as the Clean Cut Zone. Cut in a downward direction or following the indicated cutting direction arrows on the lower blade guard.

Never cut with the upper quadrant of the blade known as the No Cut Zone.

WARNING!
TO AVOID POTENTIAL KICKBACK INJURY AND DUST EXPOSURE DO NOT CUT WITH THE UPPER QUADRANT OF THE BLADE.

DUST GUARD
It’s important to keep the Dust Stop and retracting Dust Guard against the material being cut for proper dust capture.

WARNING!
KEEPING THE FILTER CLEAN AND DUST CHAMBER EMPTIED IS ESSENTIAL FOR PROPER OPERATION AND EFFECTIVE DUST CAPTURE. FAILURE TO DO SO WILL RESULT IN POOR DUST COLLECTION PERFORMANCE AND EXPOSURE TO HARMFUL DUST.

IF YOU SEE DUST ESCAPING

(A) If you see dust escaping from the top of the blade guard, that means vacuum airflow has been restricted. The following items need to be checked.
1. The spin filter needs to be spun more often.
2. The filter cleaning tab is not engaging the filter pleats enough to clean properly. You should hear a popping sound each time the filter tab pops over a filter pleat.
3. The lower dust chamber needs to be emptied of dust and free of dust and debris blockage.
4. The filter may be past its operational life of 100 hours or 90 days.

(B) If you see dust escaping from between the engine and filter housing, the following needs to be checked.
1. The filter may be past its operational life of 100 hours or 90 days and should be replaced.
MAINTENANCE & TROUBLE SHOOTING

TENSIONING THE DRIVE BELT
The drive belt is fully enclosed and well protected from dust and dirt.

When the drive belt is to be tensioned, using the combination T spanner tool to release the bolts (A) and (B) holding the beam. Using the 5 mm ball end driver turn the belt tensioning screw (C) so that the square headed nut comes to the center of the marking on the cover (D). This automatically ensures that the belt has the correct tension. Tighten both of the bolts holding the beam using the combination T spanner tool.

REPLACING THE DRIVE BELT
- First release the two bolts and then the belt tensioning screw to release the belt tension.
- Now unscrew the bolts holding the beam and release the two screws holding the beam cover.
- Remove the belt from the belt pulley.
- Remove the rear belt guard by releasing the two screws holding the guard.
- The beam is now loose and can be removed from the machine.
- Remove the fan shaft bearing mount by releasing the two screws holding the bearing mount.
- Replace the drive belt.
- Assemble in the reverse order as set out for dismantling.
- Check that the blade guard is not cracked or damaged in any way. Replace when damaged.
- Check that the dust guard is not cracked or damaged in any way. Replace when damaged

BELT PULLEY AND CLUTCH
Never start the engine when the belt pulley and clutch are removed for maintenance.

CARBURETOR
The carburetor is equipped with fixed needles to ensure the machine always receives the correct mixture of fuel and air. When the engine lacks power or accelerates poorly, do the following:
- Check the air filter and replace if necessary.
- When this does not help, contact an authorized service center.

ADJUSTING THE IDLE SPEED
Adjust the idle speed (A) using the small screw driver (B).
When an adjustment is necessary, first turn the screw clockwise until the blade starts to rotate. Now turn the screw counter-clockwise until the blade stops rotating.

Recommended idle speed is 2700 RPM

SPARK PLUG
The spark plug condition is influenced by:
• Wrong fuel mixture (too much oil)/ poor quality fuel.
• Dirty filters.

These factors cause deposits on the spark plug electrodes, which may result in operating problems and starting difficulties.
- If the machine is low on power, difficult to start or runs poorly at idle speed: always check the spark plug first before taking other steps. (to access the spark plug remove the filter cover) (A)
- If the spark plug is dirty, clean it and at the same time check that the electrode gap is 0.030” or 0.75mm (B)

- CAUTION! Always use the recommended spark plug type! Use of the wrong spark plug can damage the piston/cylinder.

COOLING SYSTEM
To keep the working temperature as low as possible the machine is equipped with a cooling system.

The cooling system consists of:
1. Air intake on the starter.
2. Air guide plate.
3. Fins on the flywheel.
4. Cooling fins on the cylinder.
5. Cylinder cover
6. Muffler cooling shield

Clean the cooling system with a brush once a week, more often in demanding conditions. A dirty or blocked cooling system results in the machine overheating which causes damage to the piston and cylinder.

MUFFLER
The muffler is designed to reduce the noise level and to direct the exhaust gases away from the operator. The exhaust gases are hot and can contain sparks, which may cause fire if directed against dry and combustible material.

Never use a machine with a defective muffler.

WARNING! WARNING! DO NOT START THE MACHINE WITHOUT THE BEAM OR CUTTING HEAD FITTED. OTHERWISE THE CLUTCH COULD COME LOOSE AND CAUSE PERSONAL INJURIES.

FUEL FILTER
- The fuel filter sits inside the fuel tank.
- The fuel tank must be protected from contamination when filling. This reduces the risk of operating disturbances caused by blockage of the fuel filter located inside the tank.
  - The fuel filter cannot be cleaned but must be replaced with a new filter when it is clogged. The filter should be changed at least once per year.

AIR FILTER
Air filters must be regularly cleaned to remove dust and dirt in order to avoid:
- Carburetor malfunctions
- Starting problems
- Loss of engine power
- Unnecessary wear to engine parts.
- Excessive fuel consumption.

The air filter system consists of an oiled foam plastic filter (C) and a paper filter (E):
The foam pre-filter (C) is easily accessible by removing the filter cover screws (A) and removing the filter cover (B). This filter should be checked weekly and replaced if necessary. In order to obtain a good filtering effect, the filter must be replaced regularly or cleaned and oiled.

A special iQ Power Tools oil has been produced for this purpose. Remove the foam pre-filter (C), wash the filter well in tepid soapy water. After cleaning, rinse the filter well in clean water. Squeeze out and allow the filter to dry. NOTE! High pressure compressed air can damage the foam. Put the filter in a plastic bag and pour the filter oil over it. Knead the plastic bag to distribute the oil.
MAINTENANCE & TROUBLE SHOOTING

Squeeze the excess oil out of the filter inside the plastic bag and pour off the excess before fitting the filter to the machine. CAUTION! Never use common engine oil. The paper filter (E) is accessible under cover (D) This filter must be replaced/cleaned when the engine’s power drops or each month. The filter is cleaned by shaking. Note that the filter must not be washed.

NOTE! High pressure compressed air can damage the filter. An air filter that has been in use for a long time cannot be cleaned completely. The filter must therefore be replaced with a new one at regular intervals. A damaged air filter must always be replaced.

STARTER
Changing a broken or worn starter cord

(A) Loosen the screws that hold the starter against the crankcase and remove the starter.

(B) Pull the cord out about 12 inches or 30 cm and lift it into the cut-out in the periphery of the starter pulley. When the cord is intact: Release the spring tension by letting the pulley rotate slowly backwards.

(C) Remove any remnants of the old starter cord and check that the return spring works. Insert the new starter cord through the hole in the starter housing and in the cord pulley.

WARNING!
WARNING! WHEN THE RECOIL SPRING IS WOUND UP IN THE STARTER HOUSING IT IS UNDER TENSION AND CAN, IF HANDLED CARELESSLY, POP OUT AND CAUSE PERSONAL INJURY. ALWAYS BE CAREFUL WHEN CHANGING THE RECOIL SPRING OR THE STARTER CORD. ALWAYS WEAR PROTECTIVE GOGGLES.

(D) Secure the starter cord around the cord pulley as illustrated. Tighten the fastening well and ensure that the free end is as short as possible. Secure the end of the starter cord in the starter handle.

(E) Guide the cord through the cut-out in the periphery of the pulley and wind the cord 3 times clockwise around the center of the starter pulley.
- Now pull the starter handle and in doing so tension the spring.
- Repeat the procedure once more, but this time with four turns.
- Note that the starter handle is drawn to its correct home position after tensioning the spring.
- Check that the spring is not drawn to its end position by pulling out the starter line fully. Slow the starter pulley with your thumb and check that you can turn the pulley at least a further half turn.

**TENSIONING THE RECOIL SPRING**
Hook the starter cord in the notch in the pulley and turn the starter pulley about 2 turns clockwise.

**CHANGING A BROKEN RECOIL SPRING**
- Undo the screw in the center of the pulley and remove the pulley. Bear in mind that the return spring lies tensioned in the starter housing.
- Loosen the screws holding the spring cassette.
- Remove the recoil spring by turning the starter over and loosen the hooks, with the help of a screwdriver. The hooks hold the return spring assembly on the starter.
- Lubricate the recoil spring with light oil. Fit the pulley and tension the recoil spring.

**RE-FITTING OR RE-INSTALLING THE STARTER**
- To fit the starter, first pull out the starter cord and place the starter in position against the crankcase. Then slowly release the starter cord so that the pulley engages with the pawls. Tighten the screws.

**CHANGING A BROKEN RECOIL SPRING**
- Undo the screw in the center of the pulley and remove the pulley.
- Bear in mind that the return spring lies tensioned in the starter housing.
- Loosen the screws holding the spring cassette.
- Remove the recoil spring by turning the starter over and loosen the hooks, with the help of a screwdriver. The hooks hold the return spring assembly on the starter.
- Lubricate the recoil spring with light oil. Fit the pulley and tension the recoil spring.

**WARNING!**
- When the recoil spring is wound up in the starter housing it is under tension and can, if handled carelessly, pop out and cause personal injury. Always be careful when changing the recoil spring or the starter cord. Always wear protective goggles.
MAINTENANCE & TROUBLE SHOOTING

Remove & replace dust collection filter

REPLACING YOUR DUST COLLECTION FILTER:
- Remove fasteners from front filter cover plate.
- (A) Pull filter out through opening.
- Remove filter spin knob by turning counterclockwise and remove filter cover from filter.
- Bag filter and dispose of it properly.
- Inspect and clean filter spindle.

TO REPLACE DUST COLLECTION FILTER CLEANING TAB:
- (B) Remove single fastener at filter cleaning tab.
- Replace with new included tab.
- Adjust tab to engage filter pleats by 1/8” to 3/16” for proper cleaning function.

REPLACING DUST COLLECTION FILTER BACK INTO FILTER HOUSING:
- (C) Inspect filter seal for proper lubrication, apply IQ filter seal lube as necessary.
- (D) Inspect bushing on filter cover plate and filter, replace new bushing with those provided with filter replacement kit.

- Install filter cover plate onto filter with bushings and secure with filter spin knob.
- Insert open end of new filter into the open housing and carefully work new filter seal onto filter spindle by rotating filter back and forth until firmly seated.
- Lineup holes on filter cover plate and install fasteners.
- Spin newly installed filter and check for proper operation.
TROUBLESHOOTING GUIDE

General maintenance instructions
Below you will find some general maintenance instructions.
If you have more questions, contact your service agent.

DAILY MAINTENANCE
1. Check that the components of the throttle control work smoothly
   (throttle control and throttle trigger lock).
2. Check the tension of the drive belt.
3. Check the condition of the blade and the drive gear.
4. Check the condition of the blade guard.
5. Check condition of the retracting dust guard.
6. Check condition of dust stop and roller.
7. Check the starter and starter cord and clean the outside of the starter unit’s air intake.
8. Check that nuts and screws are tight.
9. Check that the stop switch works correctly.
10. Check dust collection filter and filter cleaning tab for proper operation.
11. Thoroughly clean lower dust chamber of dust and debris.

WEEKLY MAINTENANCE
1. Check, clean or replace engine pre-filter.
2. Check that the handles and vibration damping elements are not damaged.
3. Clean the spark plug. Check that the electrode gap is .035”/0.5 mm.
4. Clean the fins on the flywheel. Check the starter and the recoil spring.
5. Clean the cooling fins on the cylinder.
6. Check that the muffler is securely attached and not damaged.
7. Check the idling setting and adjust if necessary.
8. Check dust door/frame sealing gasket for proper compression, adjust as needed.
9. Check dust collection filter (replace every 90 days or 100 hours of operation)
10. Check dust collection filter seal, lubricate as needed

MONTHLY MAINTENANCE
1. Check the engine paper filter
2. Check the clutch center, drive gear and clutch spring for wear.
3. Clean the outside of the carburetor.
4. Check the fuel filter and the fuel hose, replace if necessary.
5. Check that the fuel cap and its seal are not damaged.
6. Check all wires and connections.
7. Check pulley drive belt, replaced if necessary.
8. Check dump door latching and opening mechanism, replace wear parts as needed.
## TECHNICAL DATA

### ENGINE IQPC912VSK

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cylinder displacement</td>
<td>93.6 cm³</td>
</tr>
<tr>
<td>Cylinder bore</td>
<td>56 mm</td>
</tr>
<tr>
<td>Stroke</td>
<td>38 mm</td>
</tr>
<tr>
<td>Idle speed</td>
<td>2700 rpm</td>
</tr>
<tr>
<td>Recommended max. speed</td>
<td>9000 rpm</td>
</tr>
<tr>
<td>Power HP/KW/RPM</td>
<td>6.0/4.5/9000</td>
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</tbody>
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### IGNITION SYSTEM

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer of ignition system</td>
<td>Walbro</td>
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<tr>
<td>Type of ignition system</td>
<td>ET</td>
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<tr>
<td>Spark plug</td>
<td>NGK BPMR 7A</td>
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<tr>
<td>Electrode gap</td>
<td>.030” /0.75mm</td>
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### FUEL AND LUBRICATION SYSTEM

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<th>Specification</th>
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<tr>
<td>Manufacturer of carburetor</td>
<td>Walbro</td>
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<tr>
<td>Carburetor type</td>
<td>JS 282A</td>
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<tr>
<td>Fuel tank capacity,</td>
<td>1.0 liter</td>
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### WEIGHT

<table>
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<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Power cutter without fuel and cutting blade</td>
<td>31 lbs / 14 kg</td>
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</table>

### DUST COLLECTION SYSTEM

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Vacuum</td>
<td>120 cfm</td>
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<tr>
<td>Filter</td>
<td>6 sq. ft. polyester</td>
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<tr>
<td>Dust Capacity</td>
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</table>

### CUTTING EQUIPMENT

<table>
<thead>
<tr>
<th>Specification</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cutting Blade</td>
<td>12” (300mm)</td>
</tr>
<tr>
<td>Max Speed of output shaft</td>
<td>4750 rpm</td>
</tr>
</tbody>
</table>
New iQPC912®VSK, Power cutter attachment, sold by iQ Power Tools or an iQ authorized dealer is warranted to be free from manufacturing defects in normal service for a 90 day 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.