

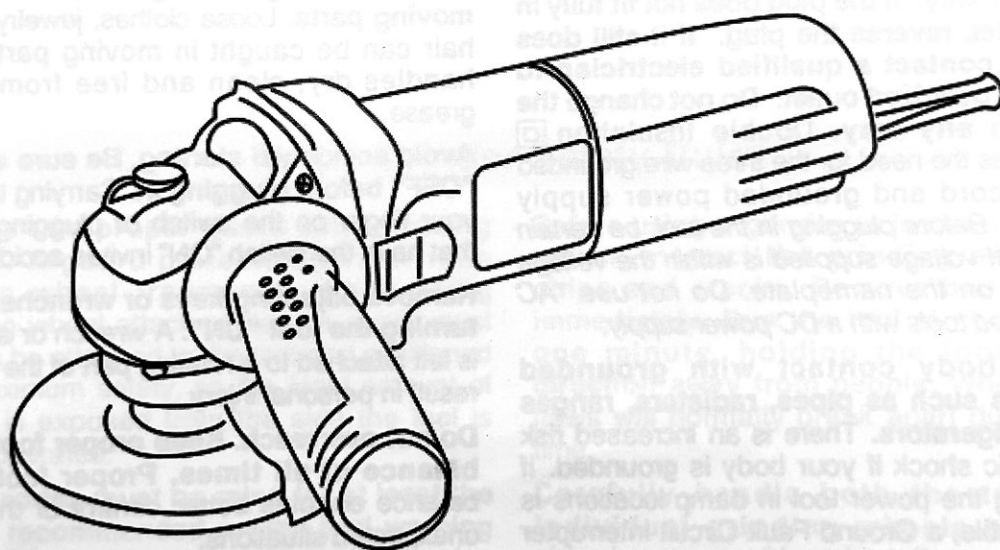


QWATT

ECO PRO SERIES

ANGLE GRINDER

QW 6-100 PRO



Read through carefully and understand these instructions before use.

Power Tool Safety Rules



WARNING

Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

Work Area

Keep your work area clean and well lit. Cluttered benches and dark areas invite accidents.

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.

Keep by-standers, children, and visitors away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

Double Insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double Insulation ☐ eliminates the need for the three wire grounded power cord and grounded power supply system. *Before plugging in the tool, be certain the outlet voltage supplied is within the voltage marked on the nameplate. Do not use "AC only" rated tools with a DC power supply.*

Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded. If operating the power tool in damp locations is unavoidable, a Ground Fault Circuit Interrupter must be used to supply the power to your tool. Electrician's rubber gloves and footwear will further enhance your personal safety.

Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.

When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W." These cords are rated for outdoor use and reduce the risk of electric shock. Refer to "Recommended sizes of Extension Cords" in the Accessory section of this manual.

Personal Safety

Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.

Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts. Loose clothes, jewelry, or long hair can be caught in moving parts. Keep handles dry, clean and free from oil and grease.

Avoid accidental starting. Be sure switch is "OFF" before plugging in. Carrying tools with your finger on the switch or plugging in tools that have the switch "ON" invites accidents.

Remove adjusting keys or wrenches before turning the tool "ON". A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.

Do not overreach. Keep proper footing and balance at all times. Proper footing and balance enables better control of the tool in unexpected situations.

Use safety equipment. Always wear eye protection. Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

Tool Use and Care

Use clamps or other practical way to secure and support the workpiece to a stable platform. Holding the work by hand or against your body is unstable and may lead to loss of control.

Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.

Do not use tool if switch does not turn it "ON" or "OFF". Any tool that cannot be controlled with the switch is dangerous and must be repaired.

Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.

Store idle tools out of reach of children and other untrained persons. Tools are dangerous in the hands of untrained users.

Maintain tools with care. Keep cutting tools sharp and clean. Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control. Any alteration or modification is a misuse and may result in a dangerous condition.

Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools

operation. If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools. Develop a periodic maintenance schedule for your tool.

Use only accessories that are recommended by the manufacturer for your model. Accessories that may be suitable for one tool, may become hazardous when used on another tool.

Service

Tool service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury. For example: internal wires may be misplaced or pinched, safety guard return springs may be improperly mounted.

When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury. Certain cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc. may damage plastic parts.

Angle Grinder Safety Rules

Always use proper guard with grinding wheel. A guard protects operator from broken wheel fragments. When using grinding wheel attachments, the guard must always be attached to the tool and positioned for maximum safety, so the least amount of wheel is exposed from the side the tool is being operated.

Accessories must be rated for at least the speed recommended on the tool warning label. Wheels and other accessories running over rated speed can fly apart and cause injury. Grinding wheels or any other accessory must have a maximum safe operating speed greater than the "no load RPM" marked on the tool's nameplate.

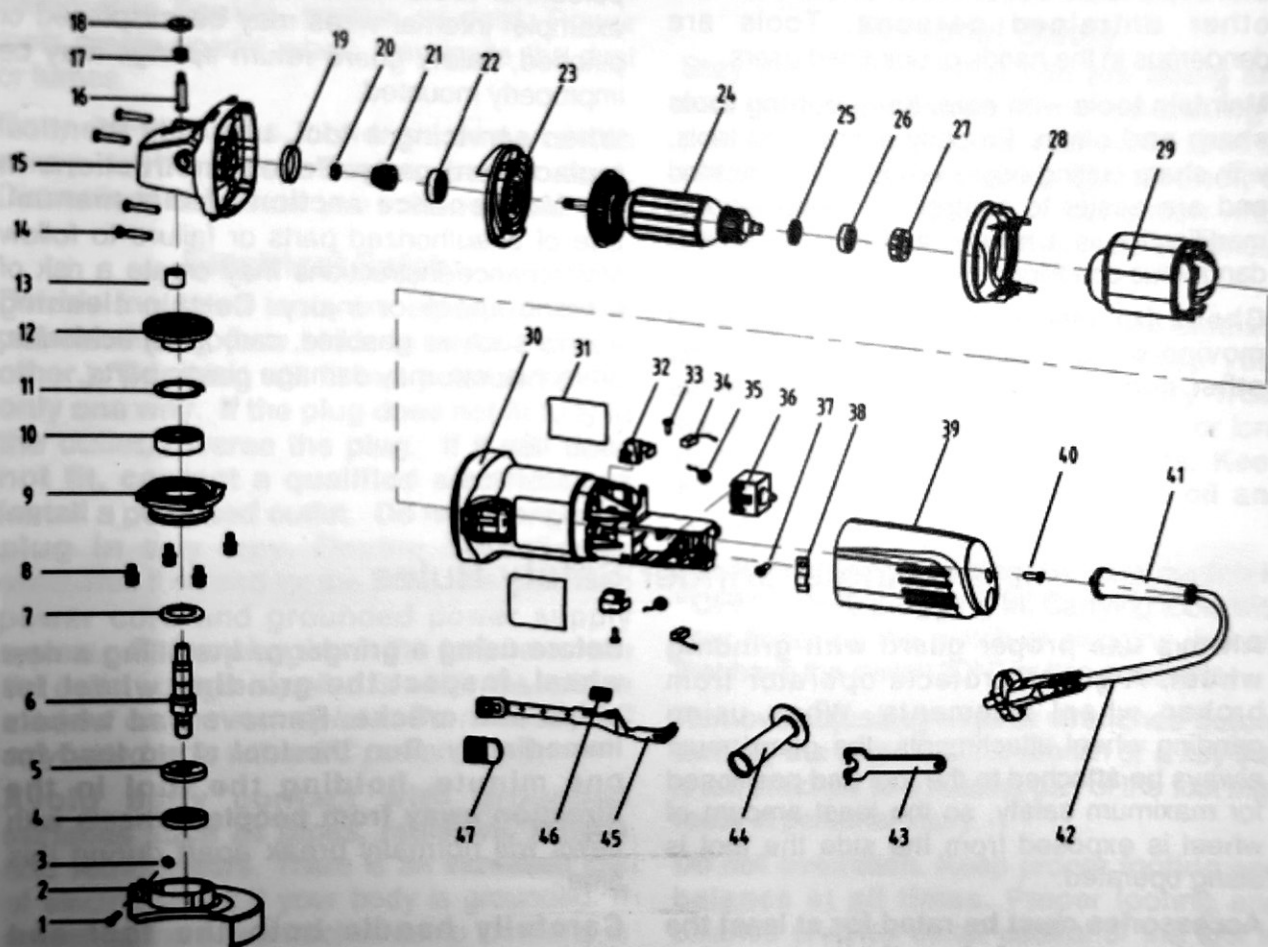
Hold tool by insulated gripping surfaces when performing an operation where the cutting tools may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.

Before using a grinder or installing a new wheel, inspect the grinding wheel for chips and cracks. Remove bad wheels immediately. Run the tool at no load for one minute, holding the tool in the direction away from people. Wheels with flaws will normally break apart during this time.

Carefully handle both the tool and individual grinding wheels to avoid chipping or cracking. Install a new wheel if tool is dropped while grinding. Do not use a wheel that may be damaged. Fragments from a wheel that bursts during operation will fly away at great velocity possibly striking you or bystanders.

Do not use grinding wheel that is larger than the maximum recommended size for your tool, or worn down damaged wheels from larger grinders. Wheels intended for large angle sander/grinders are not suitable for the high speed of a small angle sander/grinder, these wheels may easily

ANGLE GRINDER



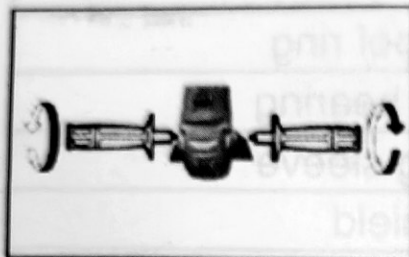
ANGLE GRINDER SPARE PARTS LIST

No.	Items	No.	Items
1	Screw	25	Dustproof ring
2	Wheel guard	26	Rolling bearing
3	Screw bolt	27	Bearing sleeve
4	Upper plate	28	Windshield
5	Lower plate	29	Stator
6	Output shaft	30	housing
7	Dust cover	31	label
8	Screw	32	Brush Holder
9	The front cover	33	Screw
10	Rolling bearing	34	Carbon brush
11	Conca	35	Coil spring
12	Big gear	36	Switch
13	Needle roller bearing	37	Screw
14	Screw	38	Crimping board
15	gear box	39	back housing
16	Self-locking pin	40	Screw
17	Self-locking spring	41	Cable sleeve
18	self-locking cap	42	Cable
19	O-tpye ring	43	Wrench
20	Nut	44	Side handle
21	Small gear	45	Cable
22	Rolling bearing	46	Switch push rod
23	Air-intake ring	47	Switch push button
24	Rotor		

ASSEMBLY

⚠ CAUTION:

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



Installing side grip (handle)

⚠ CAUTION:

- Always be sure that the side grip is installed securely before operation.

Screw the side grip securely on the position of the tool as shown in the figure.

OPERATION

⚠ WARNING:

- It should never be necessary to force the tool. The weight of the tool applies adequate pressure. Forcing and excessive pressure could cause dangerous wheel breakage.
- ALWAYS replace wheel if tool is dropped while grinding.
- NEVER bang or hit grinding disc or wheel onto work.
- Avoid bouncing and snagging the wheel, especially when working corners, sharp edges etc. This can cause loss of control and kickback.
- NEVER use tool with wood cutting blades and other sawblades. Such blades when used on a grinder frequently kick and cause loss of control leading to personal injury.

⚠ CAUTION:

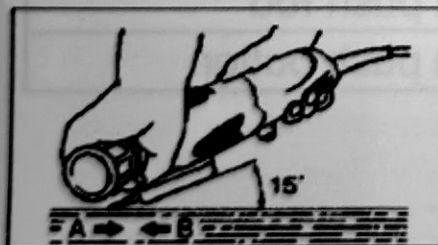
- After operation, always switch off the tool and wait until the wheel has come to a complete stop before putting the tool down.

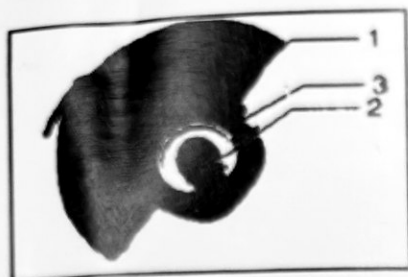
Grinding and sanding operation

ALWAYS hold the tool firmly with one hand on housing and the other on the side handle. Turn the tool on and then apply the wheel or disc to the workpiece.

In general, keep the edge of the wheel or disc at an angle of about 15 degrees to the workpiece surface.

During the break-in period with a new wheel, do not work the grinder in the B direction or it will cut into the workpiece. Once the edge of the wheel has been rounded off by use, the wheel may be worked in both A and B direction.





1. Wheel guard
2. Bearing box
3. Screw

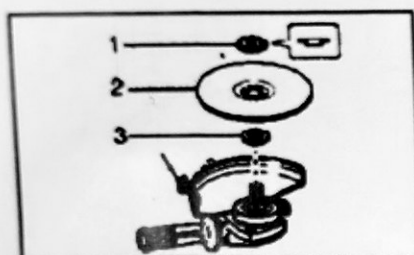
Installing or removing wheel guard

⚠ CAUTION:

- When using a depressed center grinding wheel/Multi-disc, flex wheel, wire wheel brush or cut-off wheel, the wheel guard must be fitted on the tool so that the closed side of the guard always points toward the operator.

Mount the wheel guard with the protrusion on the wheel guard band aligned with the notch on the bearing box. Then rotate the wheel guard around 180 degrees. Be sure to tighten the screw securely.

To remove wheel guard, follow the installation procedure in reverse.



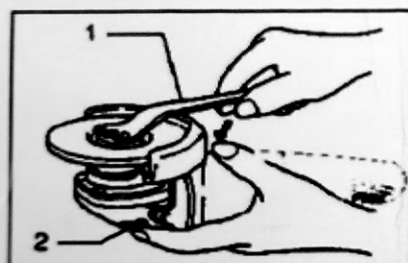
1. Lock nut
2. Depressed center grinding wheel/Multi-disc
3. Inner flange

Installing or removing depressed center grinding wheel/Multi-disc

⚠ WARNING:

- Always use supplied guard when depressed center grinding wheel/Multi-disc is on tool. Wheel can shatter during use and guard helps to reduce chances of personal injury.

Mount the inner flange onto the spindle. Fit the wheel/disc on the inner flange and screw the lock nut onto the spindle.



1. Lock nut wrench
2. Shaft lock

To tighten the lock nut, press the shaft lock firmly so that the spindle cannot revolve, then use the lock nut wrench and securely tighten clockwise.

To remove the wheel, follow the installation procedure in reverse.



1. Lock nut
2. Flex wheel
3. Plastic pad
4. Inner flange

Installing or removing flex wheel (optional accessory)

⚠ WARNING:

- Always use supplied guard when flex wheel is on tool. Wheel can shatter during use and guard helps to reduce chances of personal injury.

Follow instructions for depressed center grinding wheel/Multi-disc but also use plastic pad over wheel. See order of assembly on accessories page in this manual.