

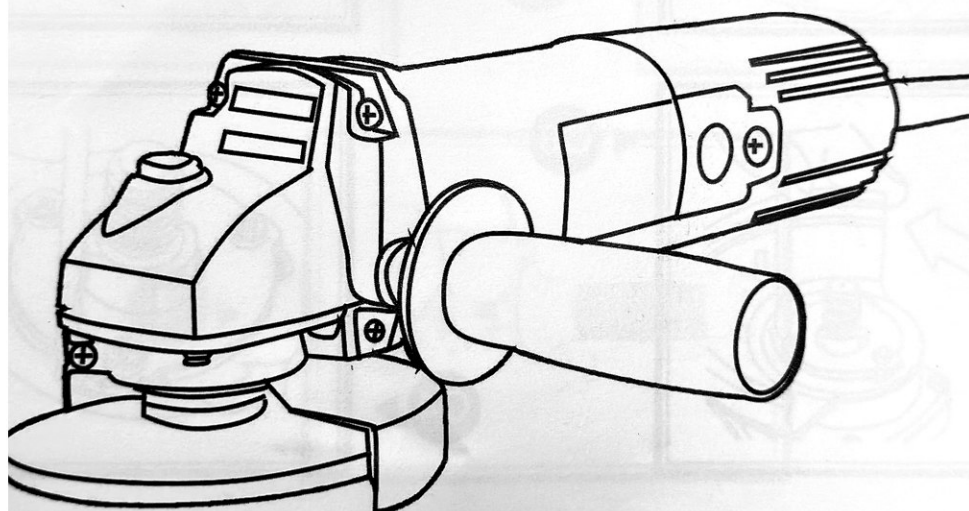


QWATT

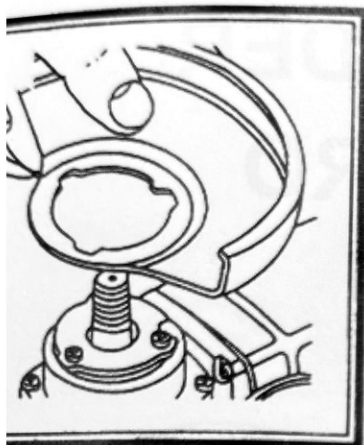
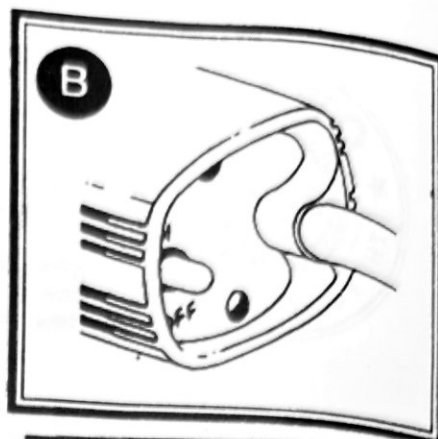
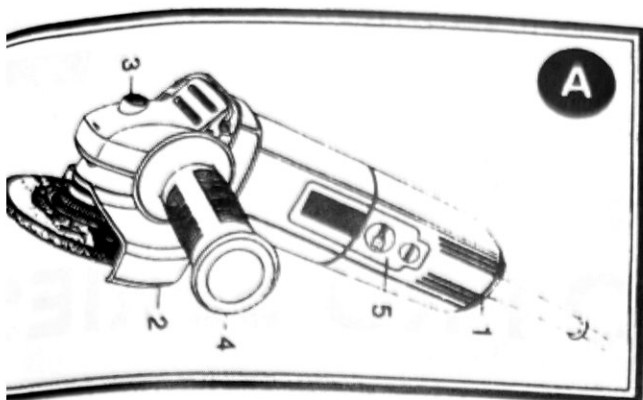
ECO PRO SERIE

ANGLE GRINDER

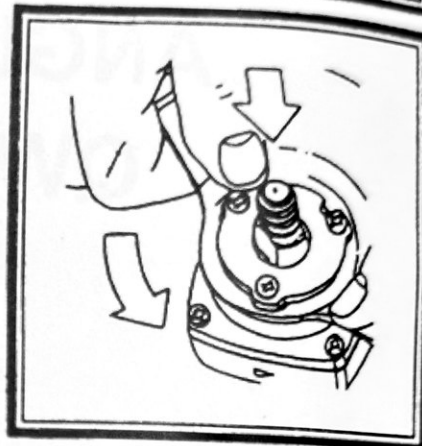
QW 0801 PRO



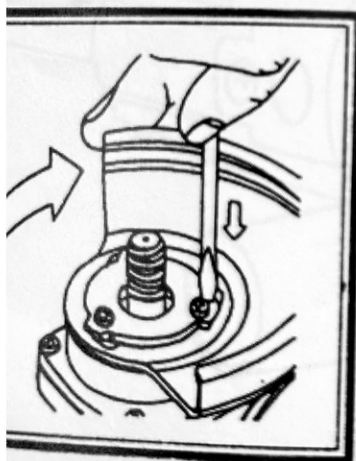
Read through carefully and understand these instructions be



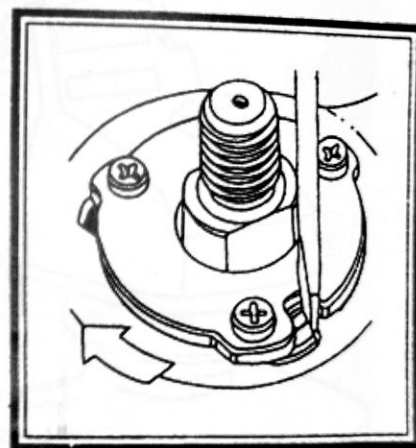
C1



C2



C3



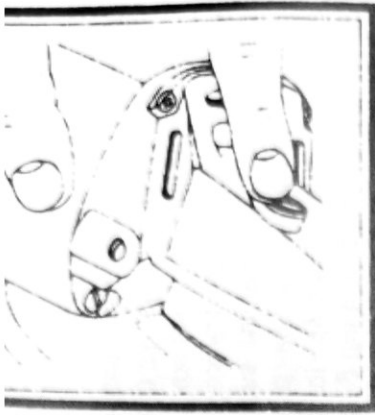
C4



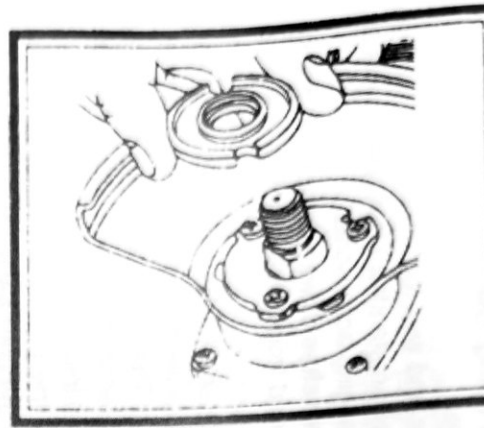
D1



D2



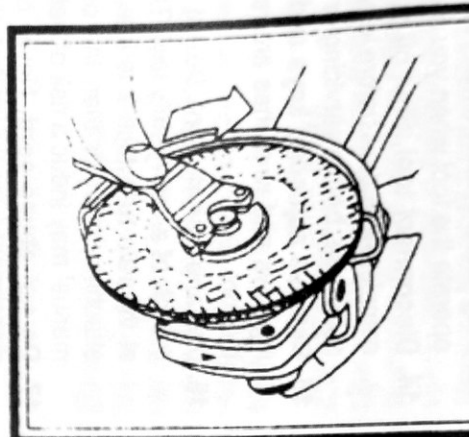
◀ D3



E1 ▶

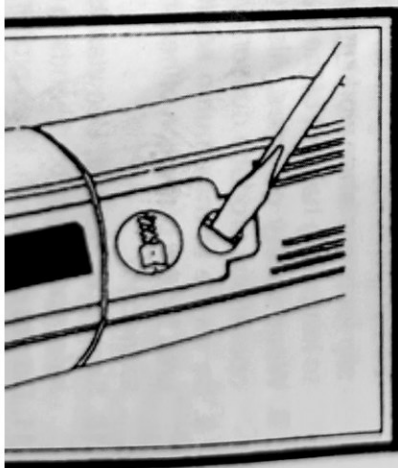
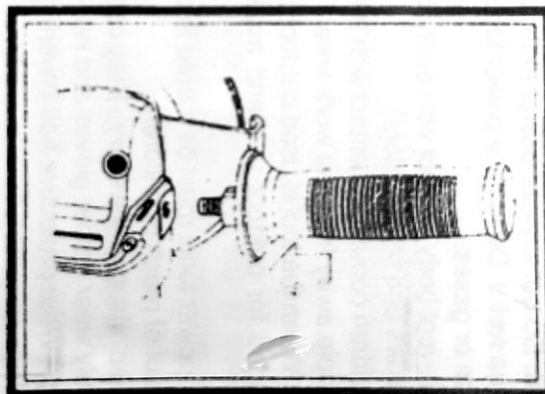


◀ E2

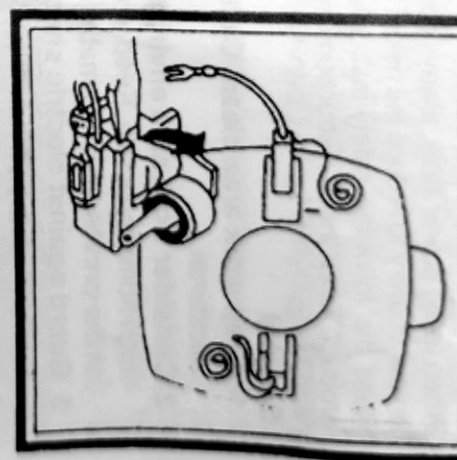


E3 ▶

F ▶



◀ G1



G2 ▶

When using power tools, always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock and personal injury. Read the following safety instructions before attempting to operate this product. Keep these instructions in a safe place!

General

- 1 **Keep work area clean.** Cluttered areas and benches can cause accidents.
- 2 **Consider work area environment.** Do not expose power tools to high humidity or rain. Keep work area well lit. Do not use power tools in the presence of flammable liquids or gases.
- 3 **Guard against electric shock.** Prevent body contact with earthed surfaces (e.g. pipes, radiators, cookers and refrigerators).
- 4 **Keep children away.** Do not let children come into contact with the tool or extension cord. Keep all people away from the work area.
- 5 **Extension cords for outdoor use.** When the tool is used outdoors, always use extension cords intended for outdoor use and mark accordingly.
- 6 **Store idle tools.** When not in use, power tools must be stored in a dry place and locked up securely, out of reach of children.
- 7 **Dress properly.** Do not wear loose clothing or jewellery. They can be caught in moving parts. Preferably wear rubber gloves and non-slip footwear when working outdoors. Wear protective hair covering to keep long hair out of the way.
- 8 **Wear safety goggles.** Also use a face or dust mask in case the operations produce dust or flying particles.
- 9 **Be aware of maximum sound pressure.** Take appropriate measures for the protection of hearing if the sound pressure of 85dB(A) is exceeded.
- 10 **Secure workpiece.** Use clamps or a vice to hold the workpiece. It is safer and it frees both hands to operate the tool.
- 11 **Do not overreach.** Keep proper footing and balance at all times.
- 12 **Avoid unintentional starting.** Do not carry the plugged-in tool with a finger on the switch. Be that the switch is released when plugging in.

operate the tool when you are tired.

- 14 **Disconnect tool.** Shut off power and wait for the tool to come to a complete standstill before leaving it unattended. Unplug the tool when not in use, before servicing or changing accessories.
- 15 **Remove adjusting keys and wrenches.** Always check that adjusting keys and wrenches are removed from the tool before operating the tool.
- 16 **Use appropriate tool.** Do not force small tools or attachments to do the job of a heavy-duty tool. The tool will do the job better and safer at the rate for which it is intended. The use of any accessories or attachments other than the ones recommended in this instruction manual may induce a risk of personal injury.
- 17 **Do not abuse cord.** Never carry the tool by its cord or pull it to disconnect from the socket. Keep the cord away from heat, oil and sharp edges.
- 18 **Maintain tools with care.** Keep tools in good condition and clean for better and safer performance. Follow the instructions for maintenance and changing accessories. Inspect tool cords at regular intervals and, if damaged, have them repaired by an authorised Repair Agent. Inspect extension cords periodically and replace them if damaged. Keep all controls dry, clean and free from oil and grease.
- 19 **Check damaged parts.** Before using the tool, carefully check it for damage to ensure it will operate properly and perform its intended function. Check for misalignment and seizure of moving parts, breakage of parts and any other conditions that may affect its operation. Have damaged guards or other defective parts repaired or replaced as instructed. Do not use the tool if the switch is defective.
- 20 **This power tool is in accordance with the relevant safety regulations.** To avoid danger, electric appliances must only be repaired by qualified technicians.

Small Angle Grinder

Package Contents

This package contains

- 1 Small Angle Grinder
- 1 Side Handle
- 1 Wheel guard
- 1 Inner flange
- 1 Outer flange
- 1 Grinding disc
- 1 Set Instruction Manual
- 1 Guarantee card

- Check for damage to the tool parts or accessories which may have occurred during transport.
- Take the time to thoroughly read and understand this manual prior to operation.

Consistent with our continuing product development, improvements may have been made which render the contents of this instruction manual slightly different to the product received.

Description (FIG. A)

Your angle grinder has been designed for professional grinding, grinding, cutting, wire-cup brushing and sanding applications.

1. ON/OFF switch
2. Wheel guard
3. Spindle lock
4. Side handle
5. External carbon brush access panel

Safety Rules For Grinders

1. Always wear goggles or other eye protection when using this tool.
2. When grinding always keep guard in place.
3. Use only grinding wheels having a maximum operating speed at least as high as "NO LOAD RPM" marked on the tool's nameplate. This precaution also applies to any accessories on any tool.

if such a crack or flaws is evident - discard the wheel! The wheel should also be inspected whenever you think the tool may have been dropped.

5. When starting the tool (with a new or replacement wheel installed) hold the tool in a well protected area and let it run for one minute. if the wheel has an undetected crack or flaw, it should burst in less than one minute. Never start the tool with a person in line with the wheel. This includes the operator.
6. In operation, avoid bouncing the wheel or giving it rough treatment. if this occurs, stop the tool and inspect the wheel.
7. Always use guard with depressed-centre or flaring cup grinding wheels.
8. Clean your tool out periodically following the procedure in the maintenance section.

SAVE THIS INSTRUCTIONS

Double Insulation

Your tool is fully insulated. This means that two independent barriers of insulation protect you from contacting metal parts thus giving further protection against the possibility of electric shock. Therefore no earth wire is required.

Electrical Safety

The electric motor has been designed for one voltage only. Always check that the power supply corresponds to the voltage on the rating plate. If the supply cord of this tool is damaged, it must only be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

Extension Cords

Use only extension cords that are approved by the country's Electrical Authority. Before using an extension cord, inspect it for loose or exposed wires, damaged insulation and defective fittings. Replace the cord if necessary.

To start the tool, select switch lever to "ON" position. To stop the tool, select switch lever to "OFF" position.

Fitting And Removing The Guard (FIG. C)

The guard is not required when using the tool for sanding with the backing pad. To fit the guard for other applications, proceed as follows:

- Align the lug on the guard with the slot in the bracket fixed to the base of the gear case (Fig. C1).
- Press the guard down towards the gear case, and then rotate the guard in the direction of the arrow (Fig. C2).
- In this position the guard locking pin located in the slot prevents the guard from coming loose, whilst allowing rotation through 105°.

To remove the guard, proceed as follows:

- Place the tool upside down on a flat surface.
- Hold the tool in your hand and rotate the guard in the direction of the arrow with your thumb (Fig. C3). At the same time, using a screwdriver or other pointed instrument, press the locking pin in the slot so that the lug on the guard comes into view (Fig. C4).
- The guard, no longer held by the locking pin, is then pushed free by thumb pressure.

Important! Mounting and removal of the guard must only be carried out with the mains plug removed from the mains supply. Use of the tool without the guard fitted is only permitted when sanding with the rubber backing pad.

Fitting A Rubber Backing Pad (FIG. D)

The rubber backing pad is available as an optional accessory in most countries. To fit the pad proceed as follows.

- Disconnect the plug at the mains.
- Remove the guard from the tool.
- Insert the backing pad onto the machine spindle (Fig. D1). The inner flange in Fig. E is not needed.
- Position the sanding disc on the pad.

fitted, onto the machine spindle (Fig. D2).

- Rotate the pad while at the same time pressing the spindle lock on the front of the gear case until it has found its locking location and holds the spindle still (Fig. D3).
- With your finger firmly on the spindle lock, tighten the outer flange with the pin spanner supplied.
- Release the spindle lock. Plug the tool into the mains and start work.
- To remove the backing pad follow the above instructions in the reverse order.

Important! When using the tool for sanding allow only a segment of the disc to contact the work and refrain from high pressure application.

Mounting Grinding Wheels/Cutting Discs (FIG. E)

Your Grinder comes with two reversible flanges to accommodate a wide variety of different accessories. Make sure the correct sides of the flanges are being used ensuring no excessive play between the accessory and the flanges. To fit a grinding wheel/disc, proceed as follows.

- Disconnect the plug at the mains.
- Locate the inner flange onto the machines spindle (Fig. E1).
- Locate the wheel or disc against the flange.
- Screw the threaded outer flange onto the spindle (Fig. E2).
- Rotate the grinding wheel/disc, while at the same time pressing the spindle lock (on the front of the gear case) fully, until it has found its locking location and holds the spindle still.
- Then firmly tighten the threaded flange with the two-pin spanner supplied (Fig. E3).
- Release the button. Plug the tool into the mains and start work.

Important!

For grinding: Using a depressed centre disc, use the machine at an angle of approximately 30° to the work for roughing, and approximately 15° for finishing.

Maintain this angle throughout the cut and do not exert side pressure on the wheel.

Fitting Wire Cup Brushes

The wire cup brush screws directly on the spindle of the machine without the use of the flanges.

Side-handle (FIG. F) (Not Included On VP100B)

The side-handle for your angle grinder can be fitted to either side of the gear case.

Replacing Brushes (FIG. G)

Disconnect the plug at the mains.

- Completely unscrew the two screws on the two external carbon brush access panels and remove cover (Fig. G1).
- Next raise the end of the spring and slide the brush out from the brush holder, easing the connector from its terminal (Fig. G2).
- Check the length of the brush and replace if under 6mm. Worn brushes should be replaced in the same holder and position as removed.
- Insert the existing brush or new brush, secure the connector, reposition the spring and then check the other brush. When brushes need replacement always renew both brushes, even if one is still more than 6mm long.
- Replace the external carbon brush access panels and re-fasten the panel screws. Make sure the internal wiring is not trapped or damaged.
- Check that the tool is working. Before use, allow it to run for a few minutes to enable the brushes to settle.

Tool Care

Keep guards, air vents and motor housing as clear as possible of dust and dirt by wiping with a clean cloth and blowing through with air. Excessive build up of metal dust or oil could lead to tracking of electrical current from internal parts to exposed metal parts.

Avoid overloading the machine for long periods.

for a minute or two until cooled to normal working temperature by the built in fan. Switching your machine on and off whilst under load will considerably reduce the life of the switch.



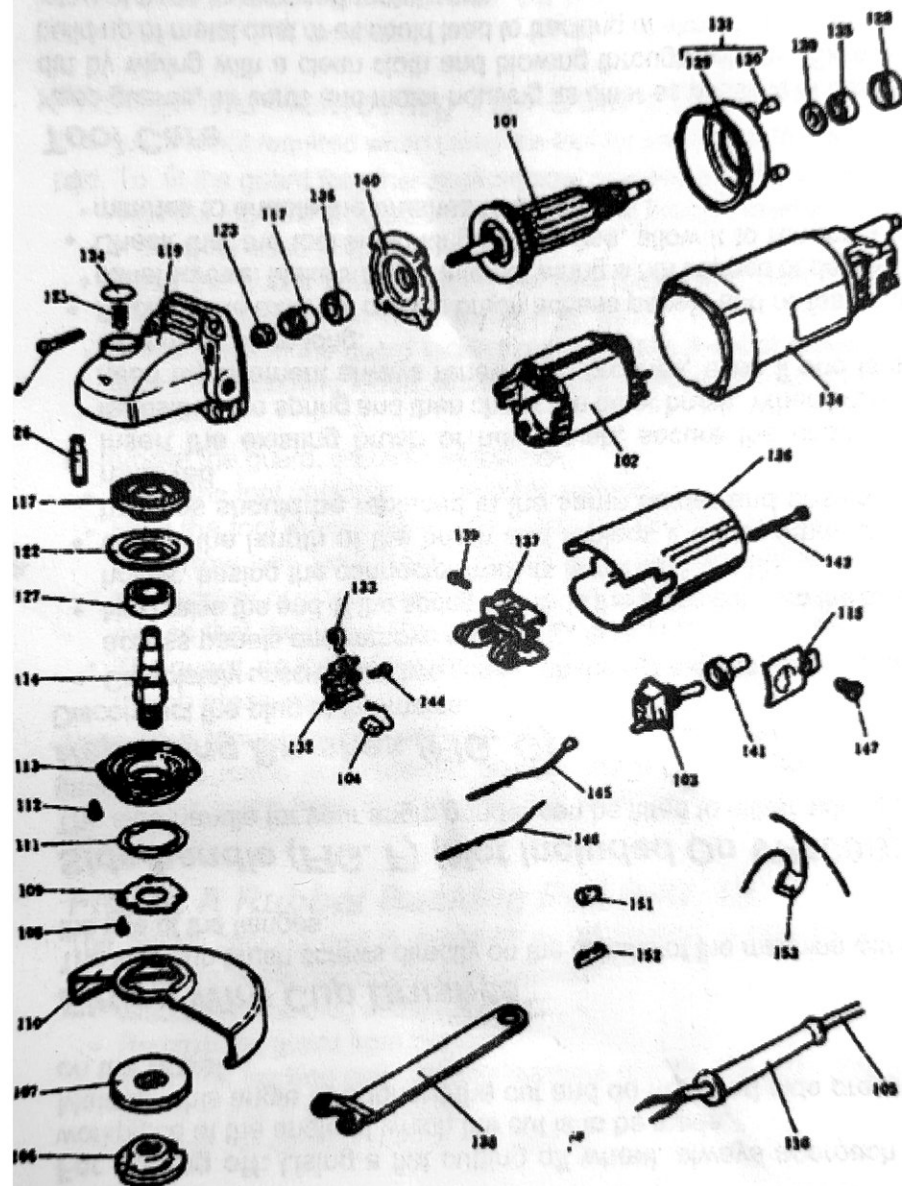
Lubrication

Your Power Tool requires no additional lubrication.



Cleaning

Keep the ventilation slots clear and regularly clean the housing with a soft cloth.



Item No.	Part Name	Item No.	Part Name
1	Armature	125	Spring
2	Stator	126	Pin
3	Switch	127	Bearing
4	Carbon Brush	128	Bearing cap
5	Cord	129	Fan guide
6	Middk flange	130	shoch absorption pin
7	flange	131	Locking sets
8	Screw	132	Brush holder
9	Washer	133	Brush spring
10	Wheel Cover	134	Housing
11	O-Ring Washer	135	Begring
12	Screw	136	Tail cover
13	Gear Cover	137	Switch holder
14	Spindle	138	Wrench
15	Brush Cap	139	Screw
16	Cord Guard	140	Gear cover
17	Gear Assembly	141	Switch
18	Screw	143	Screw
19	Gear	144	Wire head
20	Distance Washer	145	Wire
21	Awsihary handle	146	Sorew
22	Gear cover	147	Carbon brush
23	Screw nut	150	clip
24	Cover	151	