

# Polymak®

Solutions Provider For Industry & Trade

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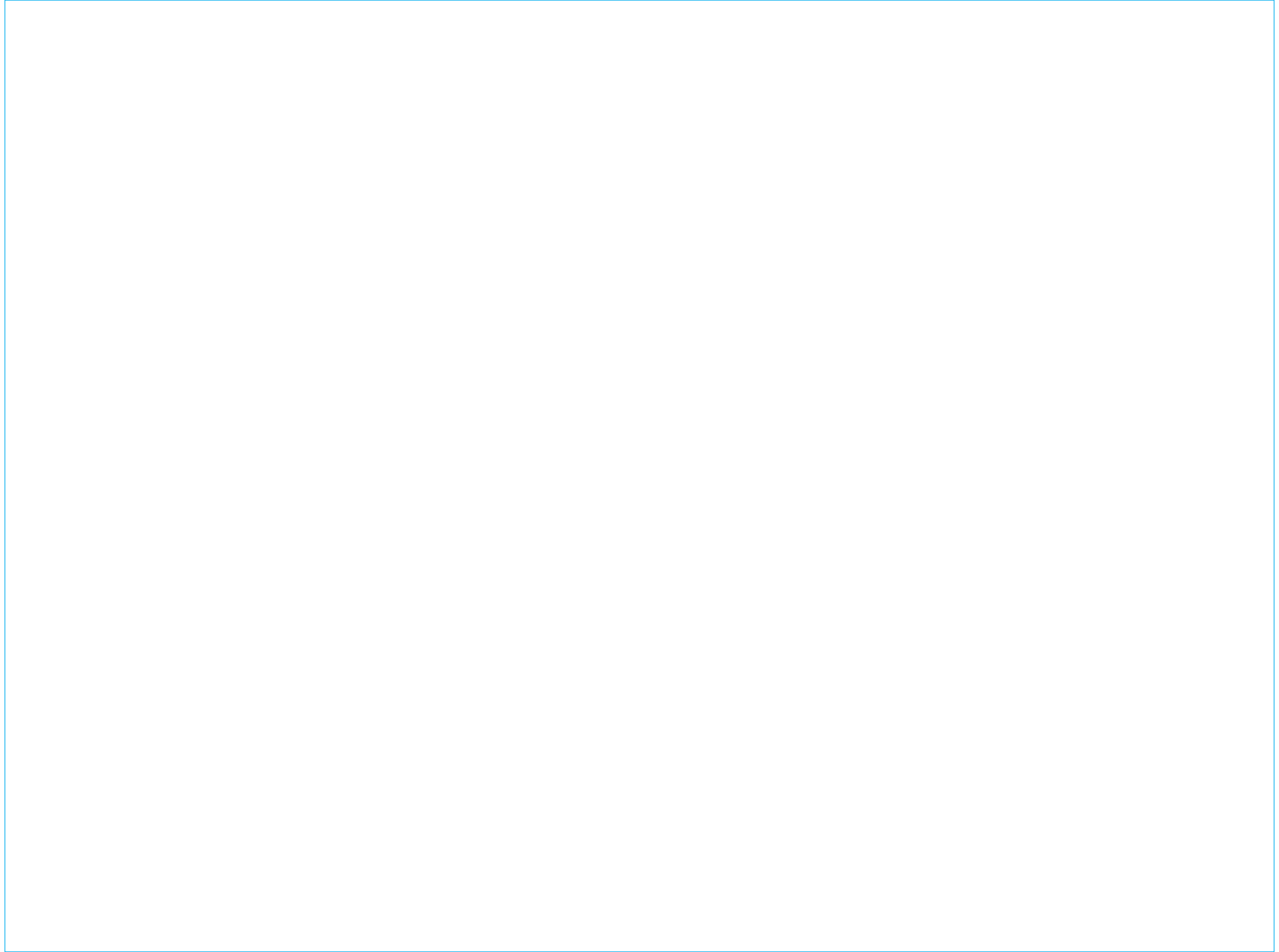
## ANGLE GRINDER

### PMAG4-803DY

INSTRUCTION MANUAL



Read through carefully and understand these instructions before use.



## PMAG4-803DY ANGLE GRINDER SPARE PARTS LIST

No.	Name.	No.	Name.
1	Cruciform Slot Screw5X22	26	Bearing Socket
2	Safe Wheel Guard	27	Retainer Ring
3	Nut M5	28	Stotor 59X48mm
4	Outer Flange	29	Plastic Housing
5	Inner Flange	30	Brand Sticker
6	Output Shaft	31	self tapping screw3X12
7	Cruciform Slot	32	Carbon Brush Holder
8	Front Cover	33	Carbon Brush 5X8X13
9	Dust Proof Mat	34	self tapping screw4X12
10	Rolling Bearing 62001	35	Fix Spring
11	Bowl-shaped Component	36	Switch Base
12	Gear Wheel 36	37	Wiring Cap
13	Needle Roller HK0810	38	capacitor(On Demand )
14	self-tapping screw4X20	39	Carbon Brush Cap
15	Gear Housing	40	slot Screwdriver 4X9
16	Lockpin	41	Plastic Housing
17	Lockpin Spring	42	self tapping screw4X35
18	Lockpin Cap	43	Cable Sheath
19	Holder M7	44	Cable
20	Gear Wheel 11	45	Switch Sheath
21	Rolling Bearing 608	46	Switch
22	Platen	47	Cable Fix Plate
23	Armature 35X48mm	48	Wrench
24	Creeping Circle	49	Side Handle
25	Rolling Bearing 607		

## 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

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