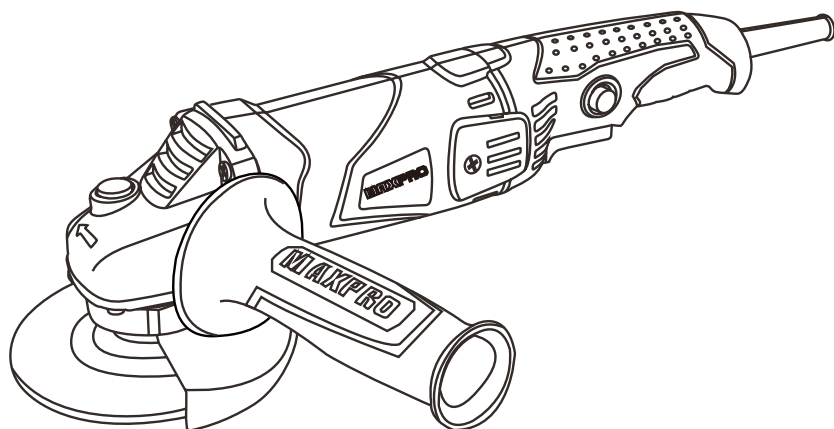
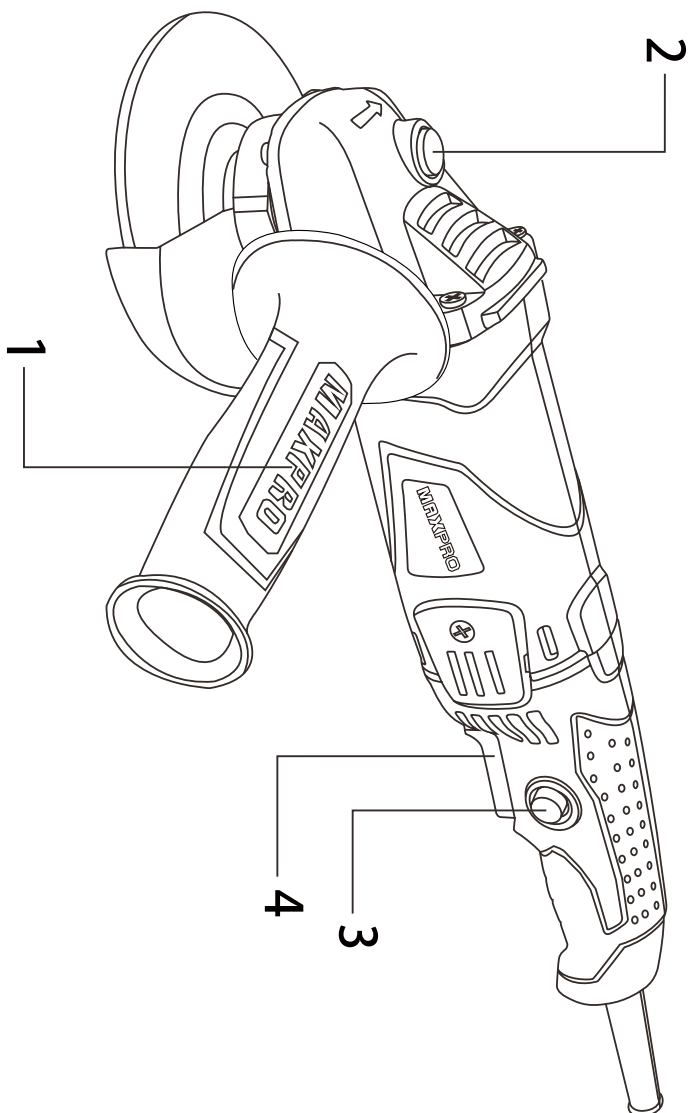


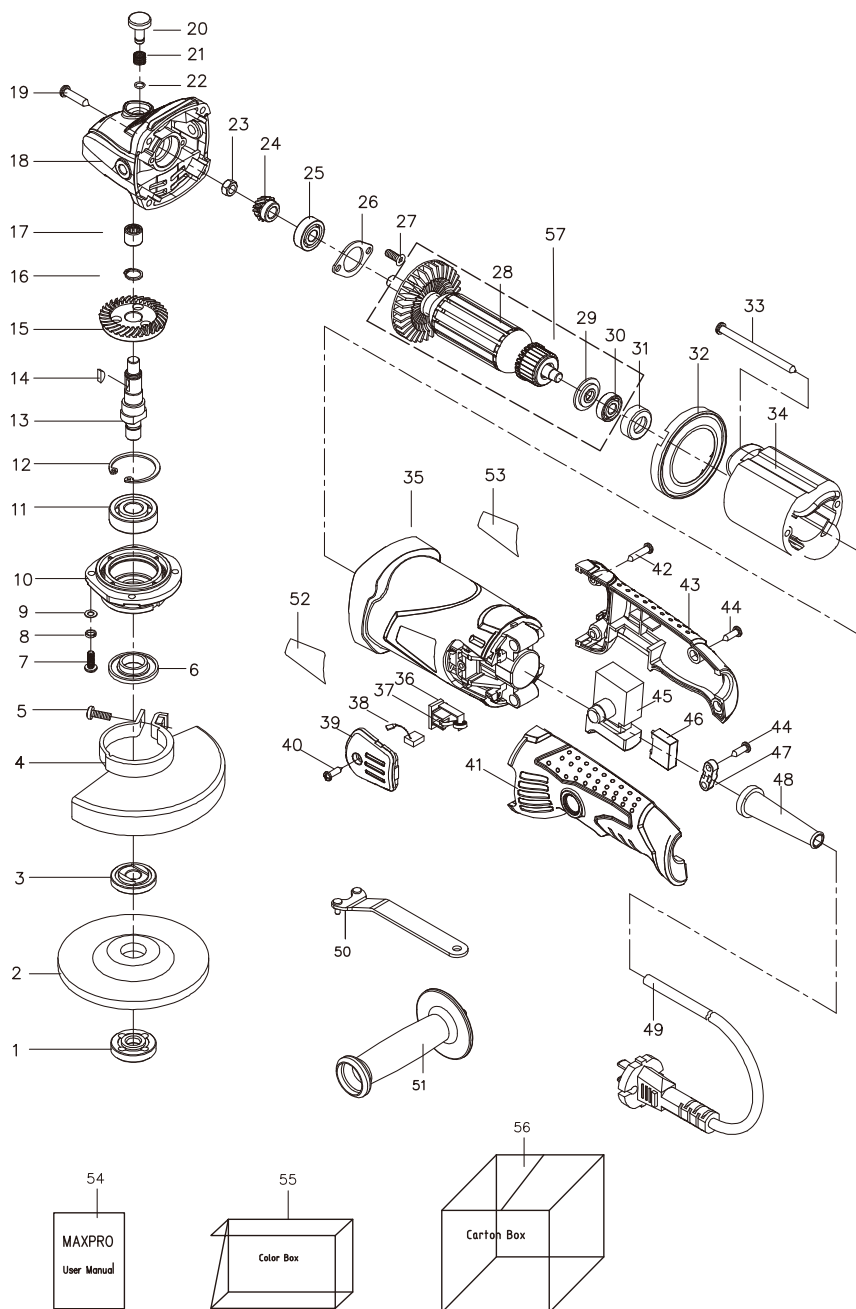


Angle grinder

1-9







SPARE PART LIST

MPAG951/100L 111-0043

MPAG951/115L 111-0044

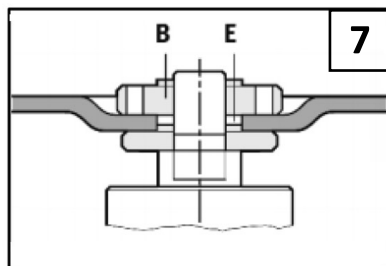
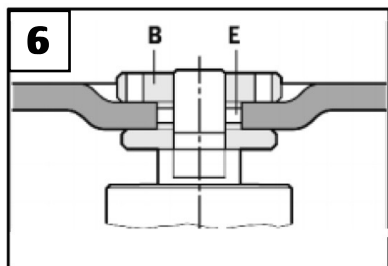
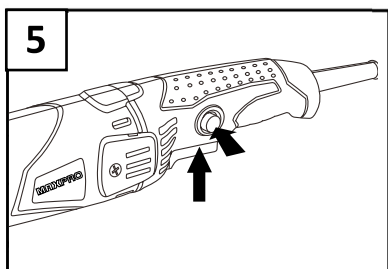
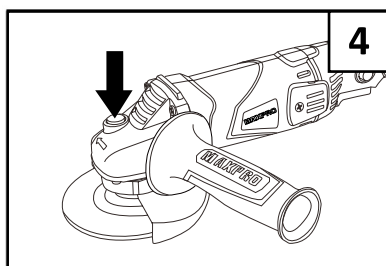
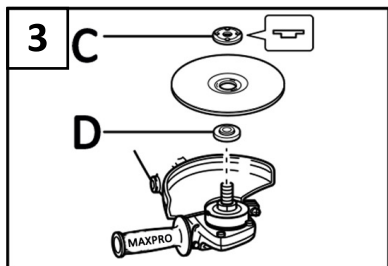
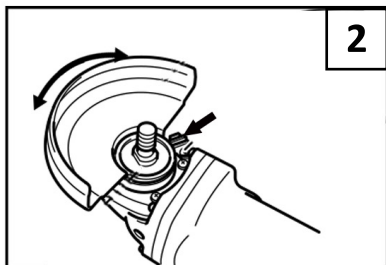
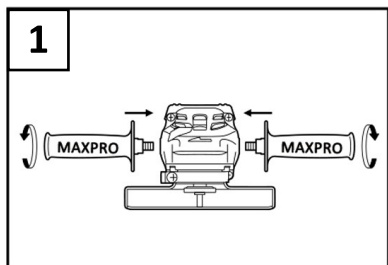
MPAG951/125L 111-0045

PART NO.	ARTICLE CODE	DESCRIPTION	SPECIFICATION	WEARING PART	QTY REQUIRED
1	111-00**-001	outer flange		×	1
2	111-00**-002	grinding wheel		√	1
3	111-00**-003	inner flange		×	1
4	111-00**-004	wheel cover		×	1
5	111-00**-005	screw	M6X18	×	1
6	111-00**-006	anti-dust cover		×	1
7	111-00**-007	screw	M4X14	×	4
8	111-00**-008	spring washer 4		×	4
9	111-00**-009	flat washer 4		×	4
10	111-00**-010	bearing box		×	1
11	111-00**-011	bearing	6201-2RS	×	1
12	111-00**-012	retainer	32	×	1
13	111-00**-013	spindle	M10. M14	×	1
14	111-00**-014	key	2.5*3.7*10	√	1
15	111-00**-015	big gear		×	1
16	111-00**-016	retainer	11	√	1
17	111-00**-017	needle bearing	HK0810	×	1
18	111-00**-018	gear box		×	1
19	111-00**-019	screw st4.2*22		×	1
20	111-00**-020	pin cap		×	1
21	111-00**-021	spring	ST4.2X22	×	1
22	111-00**-022	retainer ring	6	×	1
23	111-00**-023	hex,nut	M6	×	1
24	111-00**-024	small gear		√	1
25	111-00**-025	bearing	608-2RS	√	1
26	111-00**-026	bearing clamp		×	1
27	111-00**-027	screw	M4X14	×	2
28	111-00**-028	Armature assembly		√	1
29	111-00**-029	insulation washer		√	1
30	111-00**-030	bearing	607-2Z	×	1
31	111-00**-031	bearing sleeve		×	1
32	111-00**-032	wind baffle		×	1
33	111-00**-033	screw	ST4.2X70	×	2
34	111-00**-034	stator assembly		√	1
35	111-00**-035	motor housing		×	1
36	111-00**-036	brush holder		×	2
37	111-00**-037	coil spring		√	2
38	111-00**-038	carbon brush		√	2
39	111-00**-039	brush cap	ST2.9X10	×	2
40	111-00**-040	screw	ST4.2x10F	√	2
41	111-00**-041	left handle		√	1
42	111-00**-042	screw	ST4.2x25F	×	2
43	111-00**-043	right handle		×	1
44	111-00**-044	screw	ST4.2*16F	×	2
45	111-00**-045	switch		√	1
46	111-00**-046	Capacitor	0.22uf	×	1
47	111-00**-047	cord clamp		×	1
48	111-00**-048	cord guard		×	1
49	111-00**-049	plug		×	1
50	111-00**-050	sapnner		×	1
51	111-00**-051	side handle		×	1
52	111-00**-052	Brand label		×	1
53	111-00**-053	Rating label		×	1

SPARE PART LIST

MPAG951/100L 111-0043 MPAG951/115L 111-0044 MPAG951/125L 111-0045

PART NO.	ARTICLE CODE	DESCRIPTION	SPECIFICATION	WEARING PART	QTY REQUIRED
54	111-00**-054	User manual		×	1
55	111-00**-055	Color box		×	1
56	111-00**-056	Carton box		×	1
Assembly					
PART NO.	ARTICLE CODE	DESCRIPTION	SPECIFICATION	WEARING PART	QTY REQUIRED
57	111-00**-057	Rotor Assembly		√	1
28	111-00**-028	Armature assembly			
29	111-00**-029	insulation washer			
30	111-00**-030	bearing	607-2Z		



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TECHNICAL DATA

Model	MPAG951/100L	MPAG951/115L	MPAG951/125L
Article code	111-0043	111-0044	111-0045
Voltage	220-240V~ 50/60Hz	220-240V~ 50/60Hz	220-240V~ 50/60Hz
Rated power input	950W	950W	950W
No-load speed	11000/min	11000/min	11000/min
Disc size	100mm	115mm	125mm
Spindle thread	M10	M14	M14
Cable	PVC	PVC	PVC
Cable length	2M	2M	2M
Weight according to EPTA-Procedure 01/2003	1.85 KG	1.90 KG	1.95 KG

Noise/Vibration Information			
LpA sound pressure level	87.8dB(A)	87.8dB(A)	87.8dB(A)
LWA sound power level	95.6dB(A)	95.6dB(A)	95.6dB(A)
Uncertainty	3 dB(A)	3 dB(A)	3 dB(A)
Vibration emission value	14.1 m/s ²	14.1 m/s ²	14.1 m/s ²
Uncertainty	1.5 m/s ²	1.5 m/s ²	1.5 m/s ²

The vibration emission level given in this information sheet has been measured in accordance with a standardised test given in EN 60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

The declared vibration emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration emission may differ. This may significantly increase the exposure level over the total working period.

An estimation of the level of exposure to vibration should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration such as: maintain the tool and the accessories, keep the hands warm, organisation of work patterns.

APPLICATION

The angle grinder is intended for cutting and roughing metal. Not for stone material and tile.

MAXPRO® are devoted to continuously improving and perfecting the existing products. Therefore, the technical performance and design concept of products may vary without any prior notice; our apology for any possible incurrance of inconvenience therefrom. Read and follow the operating instructions and safety information before using for the first time. Save this manual.

WARNING

Remove the plug from the socket before carrying out any adjustment, servicing or maintenance. Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Make sure the voltage corresponds to the type label on the unit. Packing materials are no toys! Children must not play with plastic bags! Danger of suffocation! The power tool noise output may exceed 85dB(A) at the workplace. In this instance, wear ear protection.

GENERAL SAFETY

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

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.

2) Electrical safety

- a) Power tool plugs must match the 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 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 tools 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 and moving parts.** Damaged 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 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 energising 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. **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 your hair, clothing and gloves 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.

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 the job better 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 the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool 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. 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 the 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 are easier to control.

g) Use the 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.

5) Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

SAFETY INSTRUCTION

1) SAFETY INSTRUCTIONS FOR ALL OPERATIONS

a) This power tool is intended to function as a grinder, sander, wire brush, or cut-off tool. Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

b) This power tool is not recommended for polishing. Operations for which the power tool was not designed may create a hazard and cause personal injury.

c) Do not use accessories which are not specifically designed and recommended by the tool manufacturer. Just because the accessory can be attached to your power tool, it does not assure safe operation.

d) The rated speed of the accessory must be at least equal to the maximum speed marked on the power tool. Accessories running faster than their rated speed can fly apart.

e) The outside diameter and the thickness of your accessory must be within the capacity rating of your power tool. Incorrectly sized accessories cannot be adequately guarded or controlled.

f) The arbour size of wheels, flanges, backing pads or any other accessory must properly fit the spindle of the power tool. Accessories with arbour holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.

g) Do not use a damaged accessory. Before each use inspect the accessory such as abrasive wheels for chips and cracks, backing pads for cracks, tear or excess wear, wire brushes for loose or cracked wires. If the power tool or accessory is dropped, inspect for damage or install an undamaged accessory.

After inspecting and installing an accessory, position yourself and bystanders away from the plane of the rotating accessory and run the power tool at maximum no load speed for one minute. Damaged accessories will normally break apart during this test time.

h) Wear personal protective equipment. Depending on application, use face shield, safety goggles or safety glasses. As appropriate, wear dust mask, hearing protectors, gloves and shop apron capable of stopping small abrasive or work piece fragments. The eye protection must be capable of stopping flying debris generated by various operations. The dust mask or respirator must be capable of filtering particles generated by your operation. Prolonged exposure to high intensity noise may cause hearing loss.

i) Keep bystanders a safe distance away from work area. Anyone entering the work area must wear personal protective equipment. Fragments of the work piece or of a broken accessory may fly away and cause injury beyond the immediate area of operation.

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

k) Position the cord clear of the spinning accessory. If you lose control, the cord may be cut or snagged and your hand or arm may be pulled into the spinning accessory.

l) Never lay the power tool down until the accessory has come to a complete stop. The spinning accessory may grab the surface and pull the power tool out of your control.

m) Do not run the power tool while carrying it at your side. Accidental contact with the spinning accessory could snag your clothing, pulling the accessory into your body.

n) Regularly clean the power tool’s air vents. The motor’s fan will draw the dust inside the housing and excessive accumulation of powdered metal may cause electrical hazards.

o) Do not operate the power tool near flammable materials. Sparks could ignite these materials.

p) Do not use accessories that require liquid coolants. Using water or other liquid coolants may result in electrocution or shock.

2) KICKBACK AND RELATED WARNINGS

- Kickback is a sudden reaction to a pinched or snagged rotating wheel, backing pad, brush or any other accessory. Pinching or snagging causes rapid stalling of the rotating accessory which in turn causes the uncontrolled power tool to be forced in the direction opposite of the accessory’s rotation at the point of the binding.

- For example, if an abrasive wheel is snagged or pinched by the work piece, the edge of the wheel that is entering into the pinch point can dig into the surface of the material causing the wheel to climb out or kick out. The wheel may either jump toward or away from the operator, depending on the direction of the wheel’s movement at the point of pinching. Abrasive wheels may also break under these conditions.

- Kickback is the result of power tool misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below.

a) Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up. The operator can control torque reactions or kickback forces, if proper precautions are taken.

b) Never place your hand near the rotating accessory. The accessory may kickback over your hand.

c) Do not position your body in the area where power tool will move if kickback occurs. Kickback will propel the tool in the direction opposite to the wheel’s movement at the point of snagging.

d) Use special care when working corners, sharp edges etc. Avoid bouncing and snagging the accessory. Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.

e) Do not attach a saw chain woodcarving blade or toothed saw blade. Such blades create frequent kickback and loss of control.

3) SAFETY WARNINGS SPECIFIC FOR GRINDING AND CUTTING OFF OPERATIONS

a) Use only wheel types that are recommended for your power tool and the specific guard designed for the selected wheel. Wheels for which the power tool was not designed cannot be adequately guarded and are unsafe.

b) The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator. The guard helps to protect the operator from broken wheel fragments and accidental contact with the wheel.

c) Wheels must be used only for recommended applications. For example: Do not grind with the side of a cut-off wheel. Abrasive cut-off wheels are intended for peripheral grinding; side forces applied to these wheels may cause them to shatter. **d) Always use undamaged wheel flanges that are of correct size and shape for your selected wheel.**

Proper wheel flanges support the wheel thus reducing the possibility of wheel breakage. Flanges for cut-off wheels may be different from grinding wheel flanges.

e) Do not use worn down wheels from larger power tools. A wheel intended for a larger power tool is not suitable for the higher speed of a smaller tool and may burst.

4) ADDITIONAL SAFETY WARNINGS SPECIFIC FOR CUTTING OFF OPERATIONS

a) Do not “jam” the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut. Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.

b) Do not position your body in line with and behind the rotating wheel. When the wheel, at the point of operation, is moving away from your body, the possible kickback may propel the spinning wheel and the power tool directly at you.

c) When the wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cutoff wheel from the cut while the wheel is in motion, otherwise kickback may occur. Investigate and take corrective action to eliminate the cause of wheel binding.

d) Do not restart the cutting operation in the work piece. Let the wheel reach full speed and carefully re-enter the cut. The wheel may bind, walk up or kickback if the power tool is restarted in the work piece.

e) Support panels or any oversized work piece to minimize the risk of wheel pinching and kickback. Large work pieces tend to sag under their own weight. Supports must be placed under the work piece near the line of cut and near the edge of the work piece on both sides of the wheel.

f) Use extra caution when making a “pocket cut” into existing walls or other blind areas. The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.

5) SAFETY WARNINGS SPECIFIC FOR SANDING OPERATIONS

a) When sanding, do not use excessively oversized sanding disc paper. Follow the manufacturers’ recommendations when selecting sanding paper. Larger sanding paper extending beyond the sanding pad presents a laceration hazard and may cause snagging, tearing of the disc, or kickback.

6) SAFETY WARNINGS SPECIFIC FOR WIRE BRUSHING OPERATIONS

a) Be aware that wire bristles are thrown by the brush even during ordinary operation. Do not overstress the wires by applying excessive load to the brush. The wire bristles can easily penetrate light clothing and/or skin.

b) If the use of a guard is recommended for wire brushing, do not allow any interference of the wire wheel or brush with the guard. Wire wheel or brush may expand in diameter due to work load and centrifugal forces.

GENERAL

- Only use this tool for dry grinding/cutting
- Only use the flanges which are supplied with this tool
- This tool should not be used by people under the age of 16 years
- **Always disconnect plug from power source before making any adjustment or changing any accessory**

ACCESSORIES

- Maxpro can assure flawless functioning of the tool only when the correct accessories are used which can be obtained from your Maxpro dealer
- For mounting/using non-Maxpro accessories observe the instructions of the manufacturer concerned
- Never use reducers or adaptors to fit large-hole grinding/cutting discs
- Never use accessories with a “blind” threaded hole smaller than M10 x 16 mm **OUTDOOR USE**
- Connect the tool via a fault current (FI) circuit breaker with a triggering current of 30 mA maximum

BEFORE USE

- Before using the tool for the first time, it is recommended to receive practical information
- Do not work materials containing asbestos (asbestos is considered carcinogenic)
- **Use suitable detectors to find hidden utility lines or call the local utility company for assistance** (contact with electric lines can lead to fire or electrical shock; damaging a gas line can result in an explosion; penetrating a water pipe will cause property damage or an electrical shock)

- Dust from material such as paint containing lead, some wood species, minerals and metal may be harmful (contact with or inhalation of the dust may cause allergic reactions and/or respiratory diseases to the operator or bystanders); **wear a dust mask and work with a dust extraction device when connectable**
- Certain kinds of dust are classified as carcinogenic (such as oak and beech dust) especially in conjunction with additives for wood conditioning; **wear a dust mask and work with a dust extraction device when connectable**
- Follow the dust-related national requirements for the materials you want to work with
- Be careful when cutting grooves, especially in supporting walls (slots in supporting walls are subject to country-specific regulations; these regulations are to be observed under all circumstances)
- Clamp the work piece in case it does not remain stationary from its own weight
- Do not clamp the tool in a vice
- Use completely unrolled and safe extension cords with a capacity of 16 Amps (U.K. 13 Amps)

DURING USE

- Inrush currents cause short-time voltage drops; under unfavourable power supply conditions, other equipment may be affected (if the system impedance of the power supply is lower than 0,104 + j0, 065 Ohm, disturbances are unlikely to occur); if you need further clarification, you may contact your local power supply authority
- If the cord is damaged or cut through while working, do not touch the cord, but immediately disconnect the plug;
- Never use the tool with a damaged cord
- In case of electrical or mechanical malfunction, immediately switch off the tool and disconnect the plug
- In case of current interruption or when the plug is accidentally pulled out, unlock the on/off switch immediately in order to prevent uncontrolled restarting

AFTER USE

- After switching off the tool, never stop the rotation of the accessory by a lateral force applied against it
- WHEN CONNECTING NEW 3-PIN PLUG (U.K. ONLY):**
- Do not connect the blue (= neutral) or brown (= live) wire in the cord of this tool to the earth terminal of the plug
 - If for any reason the old plug is cut off the cord of this tool, it must be disposed of safely and not left unattended

SYMBOLS

	Read the manual		Wear ear protection
	Warning		Wear dust mask
	Double insulation		Do not dispose of old appliances in the household garbage
	Wear eye protection		Disconnect from power supply while maintenance

OPERATING INSTRUCTION

Mounting the handle Risk of injury! (Fig.1)

Never insert the mains plug in a socket when you are mounting and/or removing the handle. The handle (1) can be mounted on the angle grinder in three different positions: on the left, upright and on the right.

ANTI-VIBRATION AUXILIARY HANDLE

This front handle incorporates a flexible vibration absorbing mounting between the bolt and handle grip to

reduce vibration and increase comfort.

Mounting the guard

1. Carefully fit the clamp of the guard on the spindle shaft.
2. Turn the guard so that the exposed part of the disc is located as far as possible from your hand on the handle

Mounting a disc Risk of injury!

Caution, a used disc may be very hot!

1. Pull the mains plug.
2. Press and hold down the spindle locking mechanism.
3. Unscrew the flange nut with the hook wrench.

Mounting cut-off, grinding and buffing discs (Fig.3)(Fig.6) (Fig.7)

These discs are not included in the product contents. The diameter of the discs used may not exceed 100mm. The permissible speed specified on the discs must be greater than the max. speed of your angle grinder (see Technical data).

1. Mount the flange C on the spindle shaft D with the groove forward and turn it until it locks into place and is securely seated on the spindle.

2. Place the disc on the flange C with the swell forward.

3. Depending on the disc type, screw the flange nut B onto the spindle as shown in the following figures:

- Grinding disc

For thick grinding discs, the protruding ring E of the flange nut B must extend into the disc hole.

-Cut-off disc

For thin cut-off discs, the protruding E of the flange nut B must be pointing to the outside.

4. Press and hold down the spindle locking mechanism on the upper side of the device. Tighten the flange nut with the hook wrench. Then release the spindle locking mechanism.

5. Check whether the mounted disc is able to freely rotate under the guard.

6. Keep the device away from your body. Insert the plug in a socket, turn on the device and let it run for approximately 30 seconds without applying a load. Pull the plug and check whether the disc is firmly seated.

Activating/deactivating (Fig.5)

Caution!

Before you start working with the two-handed angle grinder, check whether the voltage stated on the specification plate of the angle grinder corresponds to the available grid voltage.

Activating

1. Insert the mains plug in a properly installed socket.
2. Press down the switch button(4) to start the angle grinder; to stop the tool from running, release the switch button(4); to keep the tool running continuously, press down the lock-on button(3); press down the switch button again will unlock the tool

Deactivating

- Release the On/Off switch (4).

Adjusting the guard (Fig.2)

Adjustment of protection shield's angle: release bolt by rotating bolt left to adjust the angle of protection shield, then rotate bolt right to fasten the bolt.

Note:

If applicable, you must stop working in order to adjust the position of the guard.

Grinding and fine grinding

"Grinding" refers to working on a surface with a very coarse tool (e. g. a file or sandpaper). When grinding, a large amount of material is removed, this is therefore always the first work step. Afterwards, the surface can be worked on with a finer tool.

1. Mount a corresponding disc.

2. Turn on the device and allow it to run without applying a load.

3. Turn the device so that the disc is at an approximately 150° angle to the work piece. You will achieve best results in this way and protect the device from being overloaded.

4. Work on the surface using uniform circular movements.

Buffing

1. Remove the guard

2. Mount a buffing disc.
3. Turn on the device and allow it to run without applying a load.
4. Buff the surface using uniform circular movements.

Cut-off grinding

Risk of injury!

When using cutting discs, splinters may come away from the cutting disc during cutting and spin off. When cutting, we recommend use the special protective cover.

High risk of injury!

Fragments of cut-off discs may be projected at a very high velocity.

- Do not apply any lateral pressure to the disc as the cut-off disc may tilt and burst.

1. Remove the protective special cover
2. Attach the protective cover
3. Mount a cut-off disc.
4. Turn on the device and allow it to run without applying a load.
5. Hold the motor block at an angle of 300 to 450 to the work piece.
6. Slowly and evenly run the disc along the designated cut-off line.

CLEANING AND MAINTANCE

Before any work on the machine itself, pull the mains plug. For safe and proper working, always keep the machine and ventilation slots clean. In extreme working conditions, conductive dust can accumulate in the interior of the machine when working with metal. The protective insulation of the machine can be degraded. The use of a stationary extraction system is recommended in such cases as well as frequently blowing out the ventilation slots and installing a residual current device (RCD). Please store and handle the accessory(-ies) carefully. If the machine should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by an after-sales service centre for Maxpro power tools.

ENVIRONMENT

Do not dispose of electric tools, accessories and packaging together with household waste material - in observance of European Directive 2002/96/EC on waste of electric and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

TROUBLE SHOOTING

Fault Symptom	Possible Cause	Troubleshooting
Out of service	Disconnection between plug and power socket	Put plug in power socket
	shortcircuit in power supply	Repair and reconnection
	At switch-off	Switch on
	Loose switching contact	Replace switchboard by repairer
	Damage in soft starting block	Replace soft starting block by repairer
	Burnout of stator or rotor coil	Replace stator or rotor by repairer
	Stator wiring disconnection	Reconnection by repairer
Sluggish start-up, falling short of running speed	Disconnection between carbon brush and commutator	Replace carbon brush
	Unsmooth running in mechanical part	Check mechanical part by repairer
	Low supply voltage	Regulate supply voltage
	Burnout of switch contact	Replace switchboard by repairer

Excessive sparking during running	Underpressure in carbon brush spring	Replace carbon brush by repairer
	Excessive wearout of carbon brush	Replace carbon brush by repairer
	Ring fire caused by shortcircuit in rotor winding shortcircuit	Check or replace rotor by repairer
	Ring fire caused by shortcircuit in commutator segment	Check or replace rotor by repairer
	Overvoltage in supply power	Regulate supply voltage
	Disconnection between carbon brush and commutator	Replace carbon brush
Excessive machinery noise	Motor failure, edge friction or bearing damage	Check or replace motor or bearing by repairer
	Gear wheel failure	Replace gear wheel or rotor by repairer
Failed to reach rated power	Electrocircuit overload due to lighting device, public utility or other electric appliances	No use of public utility or other electric appliances on machine-connected electrocircuit
Machine superheating	Electromotor overload	Overload protection
	Insufficient motor cooling	Dedust air outlet
Excessive mechanical vibration	Rotor damage	Replace electric machine rotor by repairer
	Gear wheel damage	Replace gear wheel or rotor by repairer
	Improper installation of cutting blade or grinding disc	Redo with reference to installation specification
Substandard cutting effect or grinding effect	Severe wear of cutting blade or grinding disc	Replace cutting blade or grinding disc



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