

# GAZELLE<sup>®</sup>

## **GM4560**

Reciprocating Saw  
User Manual



## General power tool safety warnings



**WARNING** 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.

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 or 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 a 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 and clothing 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.
  - h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.
- ### 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 remove the battery pack, if detachable, 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 and accessories. 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.
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

#### 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 instructions for reciprocating saws

**Hold the power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.** Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

**Use clamps or another practical way to secure and support the workpiece to a stable platform.** Holding the workpiece by hand or against your body leaves it unstable and may lead to loss of control.

## Symbol



WARNING



To reduce the risk of injury, user must read instruction manual



Class II tool

## TECHNICAL DATA

Model		GM4560
Rated Power Input	W	1300
No-load Strokes	/min	0-2900
Length of Strokes	mm	30
Max. Cutting Capacity(Wood/Steel Pipe)	mm	255/130
Net Weight	kg	3.8

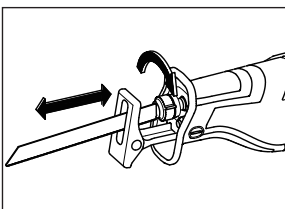
※Due to the continuing program of research and development, the specifications herein are subject to change without prior notice.

## INSTRUCTIONS FOR OPERATION

### • Installing the Saw Blade

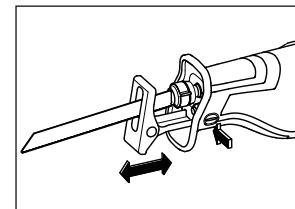
Rotate the sleeve according to the direction of the arrow, put the blade part of the saw blade up or down and insert the saw blade, make the hole on the knife handle aim at the protruding part in the clamping sleeve of the blade, then release the sleeve and the chuck will automatically fix the saw blade.

**CAUTION: Always be sure that the tool is switched off and unplugged from the supply outlet before installing or removing saw blade.**



### • Adjusting the Shoe

Press the button in the direction of arrow, slide back and forth, adjust the shoe to the desired position, put down the button to fix the shoe.



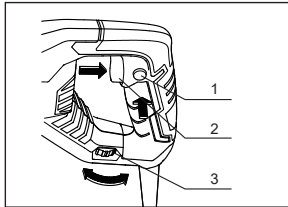
### • Switch Operation

To start the tool, simply pull the switch button. Release the button to stop. For continuous operation, pull the button and then push in the lock button. To stop the tool from the locked position, pull the button fully and then release it.

Speed can be adjusted by turning the speed control

knob on the switch button. The speed regulation has 1-6 gears, 1 for low speed, 6 for high speed.

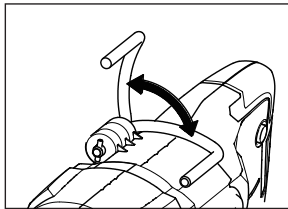
**CAUTION:** Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released. The machine has power-off protection function. In case of abnormal power-off after the machine is started, the machine can be started normally only after the switch is reset.



- 1.Lock Button
- 2.Switch Button
- 3.Speed Control Knob

#### • Hang Buckle Operation

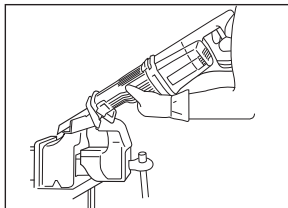
Click the arrow in the picture to open the buckle, so that the machine can be placed on the rope or tool belt for temporary operation, and it can be rotated and closed when not in use.



#### • Operation

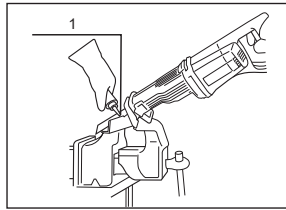
Switch on the tool and wait until the blade attains full speed, then press the shoe against the workpiece and start cutting operation.

**CAUTION:** Too much force can cause the blade to bend or twist, which can cause the blade to snap.



#### • Metal Cutting

Always use a suitable coolant (cutting oil) when cutting metal. Failure to do so will cause premature wear of the blade.



1.Feed Coolant

## MAINTENANCE AND CARE

**CAUTION:** Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

#### • Checking Mounting Screw

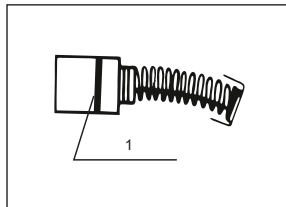
Always check whether the mounting screw is tight. If found loose, it should be immediately retightened to avoid accidents.

#### • Maintenance of the Motor

The motor unit winding is the very "heart" of the power tool. Exercise due care to ensure the winding does not become damaged and /or wet with oil or water.

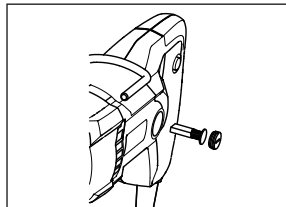
#### • Inspecting the Carbon Brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time.



1.Limit Mark

Use a screwdriver to remove the brush cover, take out the worn carbon bush and replace a new one, and then tighten the brush cover securely.



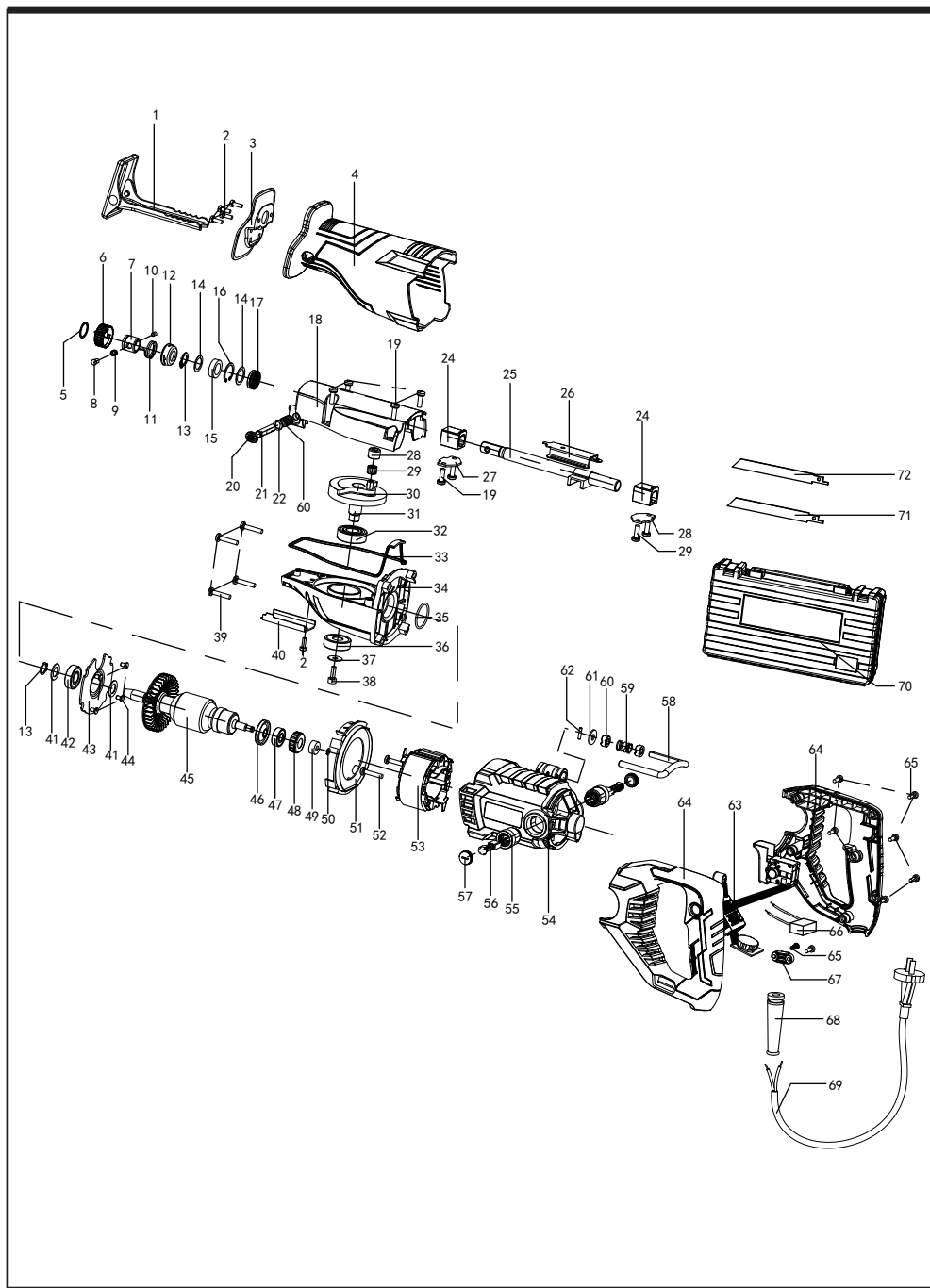
※If the replacement of the supply cord is necessary, this has to be done by the manufacturer or his agent in order to avoid a safety hazard.

## EXPLANATION OF GENERAL VIEW

1	Adjusting Ruler	26	Guide plate
2	Pan Head Screw M4×12	27	Flange
3	Baffle	28	Shaft Sleeve 11×14×10
4	Protective Sleeve	29	Pin 2×8
5	Snap Ring	30	Gear
6	Drive Bushing	31	Support Gear
7	Guide Bushing	32	Ball Bearing 6202ZZ(LFB)
8	Lock Pin	33	Oil Seal
9	Spring 6×0.45×5	34	Gear Housing
10	Pin 4×6	35	O Ring(28×2)
11	Compression Spring	36	Ball Bearing 6201DDW(NSK)
12	Blade Chuck Cover	37	Encircling Ring φ6.4×φ16×1
13	Circlip for Shaft12	38	Hex Socket Head Screw M5×16
14	Washer D	39	Pan Head Tapping Screw ST5×25 (with Flat Washer)
15	Felt Ring	40	Guide Plate
16	Circlip for Hole	41	Shim
17	X-Ring	42	Ball Bearing 6001-2RS(RB)
18	Gear Housing Cover	43	Guide Rule
19	Pan Head Screw M5×18 (with Spring and Flat Washers)	44	Cross Recessed Countersunk Head Screw M4×8
20	Button	45	Armature
21	Lock Lever	46	Insulation Washer
22	Washer	47	Ball Bearing
23	Spring 10x1x15	48	Bearing Cover(22×24×9.2)
24	Square Oil-Retaining Bearing	49	Magnetic Ring
25	Stroke Rod	50	Split Washer 6

## EXPLANATION OF GENERAL VIEW

51	Baffle Plate	63	Speed Switch Controller
52	Pan Head Tapping Screw	64	Handle Assembly
53	Stator	65	Pan Head Tapping Screw M4×16
54	Motor Housing	66	Capacitor
55	Carbon Brush Holder Assembly	67	Flange
56	Carbon Brush	68	Cord Guard
57	Brush Holder Cap	69	Cord
58	Hook	70	Plastic Box
59	Pipe	71	Saw blade
60	Spring	72	Saw blade
61	Washer 2		
62	Stretch Pin3×12		



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