P.I.T.
Progressive Innovational Technology

EN PRODUCT PASSPORT
USER'S MANUAL

RU ПАСПОРТ ИЗДЕЛИЯ ИНСТРУКЦИЯ ПОЛЬЗОВАТЕЛЯ

RECIPROCATING SAW
САБЕЛЬНАЯ ПИЛА

PSA115-C
PSA1200-C

PROGRESSIVE INNOVATIONAL TECHNOLOGY
ПРОГРЕССИВНЫЕ ИННОВАЦИОННЫЕ ТЕХНОЛОГИИ

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P.I.T. RECIPROCATING SAW

GENERAL SAFETY PRECAUTIONS

1) Work area safety
a) Keep your workplace clean. Disorder or unlit areas of the workplace can lead to accidents.
b) Do not use power tools in an explosive environment, such as in the direct proximity of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
c) Do not allow children or strangers to operate the power tool. Distractions can cause you to lose control.

2) Electrical safety
a) The power plugs of the power tool must match the socket. Do not change the plug in any way. Do not use lightning adapter with ground for the electric wiring. Plugs and matching sockets will reduce electric shock risk.
b) Avoid body contact with grounded surfaces, such as pipes, radiators, cookers and refrigerators. There is an increased risk of electric shock if your body comes in contact with grounded surface.
c) Do not expose power tools to rain or dampness. The water penetration into the power tool increases the electric shock risk.
d) Do not use the cord for the wrong way. Never use the cord to pull the plug out of the socket. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the electric shock risk.
e) When operating a power tool outdoors, use an extension cable suitable for outdoor use. Using a cord designed for outdoor use reduces the electric shock risk.

3) Personal safety
a) Stay alert, watch what you are doing and use common sense when operating with power tools. Do not use a power tool if you are tired or under the influence of drugs, alcohol or medication. A moment lapse of concentration with a power tool can result in serious injury.
b) Use personal protective equipment. Always wear safety glasses. Protective equipment such as respirator, non-skid safety shoes, hard hat, hearing protection, used for appropriate conditions will reduce the injury risk.
c) Prevent inadvertent energization. Put the on/off control in the OFF position before connecting to the power supply and/or battery pack, picking up or carrying the tool. Carrying a power tool with a finger on the on/off control or on the active state of the power supply may result in an accident.
d) Remove all wrenches or set wrenches before turning on the tool. A nut or wrench bolted to the left side of the power tool rotating part may cause injury.
e) Do not overreach. Stand firmly on your feet and keep balance all the time. This allows you to better control the power tool in unexpected situations.
f) Dress appropriately. Do not wear loose clothing or jewelry. Keep hair, clothing and gloves away from moving parts. Loose clothing, jewelry or long hair can get into moving parts.
g) If devices are provided for the dust collection, make sure they are connected and used properly. The use of a dust collection can reduce the risk of dust hazards.

4) Use and care
a) Do not overload the tool. Use the right tool for the job. A tool with the right power will do the job better and safer at the speed for which it was designed.
b) Do not use the power tool if the on/off control does not turn it on or off. A power tool that cannot be controlled by the on/off control is dangerous and must be repaired.
c) Disconnect the plug from the power supply and / or the battery unit from the power tool before setting up, replacing accessories or packing it. Such preventive safety measures reduce the risk of the tool inadvertent starting.
d) Keep unused 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 inexperienced users.
e) Requires proper care. Check the faultlessness of the moving parts, the absence of damage to parts and any other circumstances that may affect the operation of the power tool. If damaged, have the tool repaired before use. Many accidents are caused by improper care of the power tool.
f) The cutting parts of the tool must be sharp and clean. With proper care of the tool cutting parts with sharp edges, the probability of jamming is reduced and it is easier to control.
g) Use the power tool, accessories, parts, etc. in accordance with these manuals, all working conditions and the work to be performed. Use of the power tool for other purposes may result in a hazardous situation.

P.I.T. RECIPROCATING SAW

EXPLANATION OF P.I.T. TRADEMARK

P.I.T. Progressive Innovational Technology

Currently, 10 kinds of mechanical and electrical equipment are produced under the P.I.T. trademark. In terms of sales, reciprocating saws occupy one of the leading positions.

The designation of the reciprocating saw model has the following meaning.

For example: **PSA115-C**

PSA – reciprocating saw

115 – Maximum cutting capacity

C – modification name

INTENDED USE

This multifunctional saw is designed for cutting wood, iron, non-ferrous metals, as well as plastic, based on the different saw blades used. The saw can be used for both dry cutting and cutting with the use of water. Any other use, not expressly permitted in these instructions, such as the cutting of stone caused by use of the tool for other than its intended purpose is the responsibility of the user/operator and not the manufacturer. Please note that the tool is not intended for commercial, trade or industrial use. If used for commercial, trading or industrial use, the warranty is void.

PRODUCT SPECIFICATIONS

	PSA115-C	PSA1200-C
Rated voltage:	220 V	220 V
Rated output capacity:	900 W	1200W
Stroking speed	0-2,500 strokes per minute	0-3,000 strokes per minute
Stroke length	18 mm	18 mm
Maximum cutting depth on wood	115mm	115mm
Maximum cutting depth on metal	15 mm	15 mm
Weight	3.4 kg	3.5kg

Note:
As the products are constantly being improved, we reserve the right to make changes to the product specifications listed without prior notice.

STANDARD SET

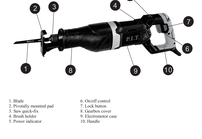
- Blade for metal cutting
- Blade for wood cutting
- Hex wrench
- Operation manual
- Reciprocating saw

P.I.T. RECIPROCATING SAW

FEATURES

- Electronic speed control
- Pendulum stroke
- Bearing shoe
- Double insulation

COMPONENT PARTS



1. Blade
2. Hex locally mounted pad
3. Saw quick-fit
4. Brush holder
5. Power indicator
6. On/off control
7. Speed dial
8. Gearbox cover
9. Electronmotor case
10. Handle

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RULES OF OPERATION

Blade installation
1. Unplug the tool from the power supply.
2. Turn the screwdriver 45 to 135 by hand counterclockwise.
3. Then pressure the saw (1) until it reaches the deepest position, then loosen the saw quick-fit (3), make sure it is firmly fixed.

Switch
1. Connect the tool to the power supply, the power indicator (5) will illuminate, indicating that the tool is ready to work.
2. To turn the tool on or off, press or release the on/off control (6).
3. For continuous operation, press the lock button (7) on the left side of the handle.

Switch for protection of the power supply (restarted after power failure)
If the power supply is interrupted during operation, then restart the tool from the power supply, may result in the tool starting under load and serious injury.
2. Loosen bolts screws on the gearbox frame within the hex wrench.
3. Insert or remove the pivotally mounted pad.
4. Tighten the bolts screws.
5. Remove the hex wrench.

Adjustment speed
For the ride on the workpiece if it is portable, place the tool bearing shoe on the workpiece [make sure the saw does not touch the workpiece] and start cutting with enough pressure to keep the bearing shoe on the workpiece at all times. Don't put too much effort into it. Do not curve or roll the saw, let the tool and the saw do the work.
The speed of the saw depends on the type of wood, plastic and composite materials, and fine saws for cutting metal. Loose parts or vibrations may indicate that you should select a fine saw. If you select a high speed if the saw overheats or becomes clogged, this may indicate that you need a rougher saw. Dull saw will give poor results and can lead to overheating of the tool.

Precautions with hot metal pieces
Do not touch metal pieces immediately after cutting with a convenient starting point with the cut area; place the saw tip above this point parallel to the cutting line, moving down the tool until the bottom on the pad edge rests on the workpiece; the saw does not touch the workpiece, start cutting and allow it to reach full speed. Tool, based on the pad, slowly tilt forward, so that the saw will be below the cutting line. Continue until the tool is perpendicular to the workpiece.

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Metal cutting
For metal cutting it is necessary to use the saws specially intended for this purpose. You can use low-toothed saws for cutting metal, when cutting metal, it will prevent the saw overheating, help fast cutting and extend the saw service life.

MAINTENANCE

Replacing carbon brushes

NOTE: Brush should always be replaced in pairs.
CAUTION! always disconnect the tool from the power supply before replacing the carbon brushes.
Unscrew the carbon brush cover counterclockwise with a screwdriver, open the cover and remove the worn carbon brush. If one or two, they should both be replaced. Install new carbon brushes.

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TERMS OF WARRANTY SERVICE

1. The Warranty Certificate is the only document that confirms your right to free warranty service. Without presenting this document, the warranty service is not provided, and the warranty period is not counted.
2. The warranty period for the electric machine is 12 months from the date of the sale, during the warranty period the service department eliminates manufacturing defects and replaces parts that have failed due to the fault of the manufacturer free of charge, if the machine is used for its intended purpose and in accordance with the requirements of the operating instructions.
3. In accordance with Article 5 (6), during the warranty period, the consumable parts of the machine, listed in the Warranty Certificate, are not subject to warranty repair and replacement.
4. Only when each accompanied with the following duly executed documents: this Warranty Certificate, Warranty Card, with all the fields filled in, the date of sale, the seal of the trading organization and the signature of the buyer, the machine accepted for warranty repair.
5. Warranty repair is not performed in the absence of the specified in the operating instructions:
• in the absence of a Warranty Certificate and a Warranty Card or their incorrect execution;
• if the rules for the operation of the machine, set out in the operating instructions, the breaking of the working modes (interference, changing or starting/stopping device, with interval pulse nodding, frame down of electronic circuit board);
• if a Warranty Certificate or a Warranty Card does not correspond to the electric machine or to the form established by the manufacturer;
• upon acceptance of the warranty product;
• in attempts of opening or repair of the electric machine outside the warranty workshop; making constructive changes and changes in the design of the electric machine; the use of non-standard or modified spare parts not provided for the operating instructions;
• if the damage to the electric machine is caused by the ingress of objects, substances, liquid, insects into the product;
• if damage to the electric machine is caused by the use of consumables not corresponding to the technical characteristics, attachments in the electric machine of attachments, accessories, are not provided for the operating instructions;
• with mechanical damage to the case, power cord and in case of damages caused by aggressive agents and high and low temperatures, as well as in the case of damage to the electric machine as a result of the ingress of the electric machine as a result of or in case of damage resulting from improper storage (corrosion of metal parts);
• natural wear and tear on the parts of the electric machine, as a result of long-term operation (determined on the basis of the degree of wear of the working surfaces of the parts, the presence of cracks, deformations, presence of dust, metals and shards, the failure of the switches, bearings, windings, brushes, etc.);
• in the absence of the serial number in the operating instructions, warranty;
• mechanical damages to the tool;
• if the tool has been used for purposes other than the intended, operating conditions specified in the instruction (see chapter "Safety Precautions" of the Manual);
• damage to the product due to nonobservance of the rules of storage and transportation;
• damage to the product due to the use of cleaning, washing, lubrication, replacement of uniform, pieces and sealing rings during the warranty period is a paid service;
The service life of the product is determined by the manufacturer as 2 years from the date of manufacture.
The service life of the product is determined by the manufacturer as 2 years from the date of manufacture.
6. The warranty does not cover:
• damage to the product due to nonobservance and nonperformance, by the consumer, of the rules of operation, set out in the operating instructions, as well as the rules of storage and transportation;
• damage to the product due to unauthorized repair or modification of its design;
• damage to the product due to the use of consumables not corresponding to the technical characteristics, attachments in the electric machine of attachments, accessories, are not provided for the operating instructions;
• damage to the product due to the use of cleaning, washing, lubrication, replacement of uniform, pieces and sealing rings during the warranty period is a paid service;
• damage to the product due to the ingress of objects, substances, liquid, insects into the product;
• damage to the product due to nonobservance of the rules of storage and transportation;
• damage to the product due to the use of consumables not corresponding to the technical characteristics, attachments in the electric machine of attachments, accessories, are not provided for the operating instructions;
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