

LIMITED 1 YEAR WARRANTY

We make every effort to ensure that this product meets high quality and durability standards and warrants to the original purchaser - this product is free from defects in materials and workmanship for the period of one year from the date of shipment (90 days if used by a professional contractor or if used as rental equipment). This warranty does not apply to damages due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, normal wear and tear, or due to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

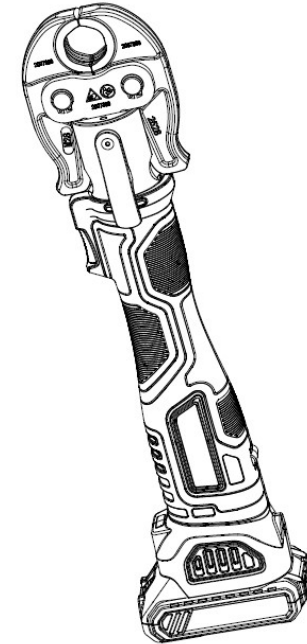
To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our discretion or we may decide to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect results from causes not within the scope of our warranty, then you must bear the cost of returning the product.

The warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Instruction Manual

SHOWY-391/392

Battery Powered Mechanical Press Tool MP-1930



Due to continuous improvements, actual product may differ slightly from the product described herein.



Read this material before using this product.

Failure to do so can result in serious injuries.






SAFE KEEP THIS MANUAL

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Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the month and year of purchase. Keep this manual and the receipt in a safe and dry place for future reference.

IMPORTANT SAFETY INFORMATION

Found in this manual, on the labeling, and all other information provided with this product:

Warning icons	Explanation/ Meaning
	Please read the manual and security icon carefully before using the product
	Use with caution
	Caution: Please operate carefully, have ample protection on all parts of the body particularly ones fingers
	If the equipment is misused or the jaws are worn out, the fractured pieces might shatter and cause serious injuries which can be dangerous.
	Important information

MAINTENANCE AND SERVICING



Damaged equipment may cause serious personal injuries. DO NOT USE damaged equipment. If abnormal noises or vibrations were to occur, do have the problem rectified before further usage.

- Please note that routine maintenance and inspection can extend the life of your tools.
Before each use, inspect the general condition of the tool. Check for loose screws, misalignment or binding of moving parts, cracked or broken parts, or any other conditions that may affect its safe operation.
After using, clean external surfaces of the tool with clean & moist cloth, clear the rust, prevent oil on the metal surface of the tool and the dials to prevent rust. Store the tool in a dry environment.
- Keep the tool and spare parts dry. If the tool is wet, take out the battery, and wait till the tool is completely dry before reloading the battery.
- Do not store the tool in extremely hot or cold environments. Otherwise, the spare parts will be damaged.
- Do not use aggressive chemical cleaners or strong detergents to clean the tools.
- The warranty for the tool is 1 year or 10,000 cycles. To prolong the life of the tool please ensure proper maintenance is done after every 10,000 cycles.
- If the tool is unused for long periods of time, please ensure the push rod stays at its starting position, clean up the tool and apply the rust proof oil on both the tool and the accessories. Take the battery out and place them into the box and store the tool in a dry and cool environment.

3.3. Jaw cleaning and maintenance

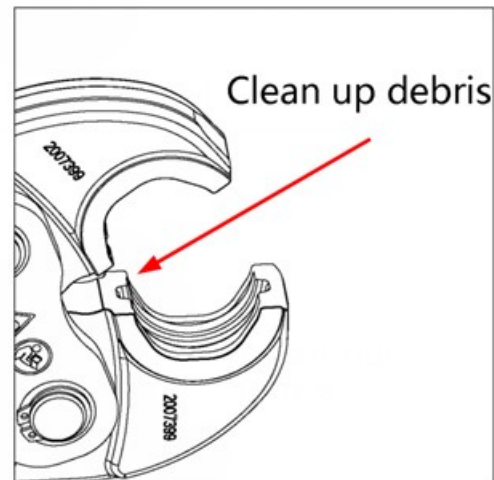
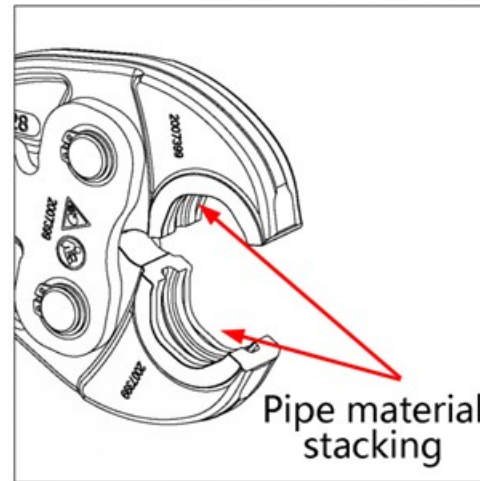
1) Remove the residue accumulated on the pressing jaws from time to time. Cleaning while removing any residue can be done with a scouring pad or steel wool. Pls do not use cleaning tools that are rough/harsh on surfaces (such as sandpaper, filer, etc.), which will accelerate the wear on the edge of the cavity.

2) After each pressing is completed, remove the impurities and dust on the surface of the jaws, especially the gap at the bottom of the jaws; then rub the lubricant on the surface of the jaw, especially the pin and jaws, and then put it back into the dedicated toolbox.

3) Do not come into strong impact with any hard metal surfaces and any sharp objects.

4) Check the jaw return spring before each use. Normally, the jaw can be easily opened and closed by a gentle gesture of the finger.

5) It is recommended to check the wear of the jaw once a year by the dealer/manufacturer.



GENERAL SAFETY RULES

PLS WORK UNDER SAFE CONDITIONS WHILE USING THIS TOOL, IT IS IMPERATIVE TO READ THE DIRECTIONS BEFORE USE AND FOLLOW THE INSTRUCTIONS. OTHERWISE, THE WARRANTY WILL/MIGHT BE CANCELLED.

1. Work area safety

- Keep work area clean and clear. Cluttered or dark areas invite accidents.
- This tool is not insulated; please do not use it on live conductor environments.
- Please do not use or store the tool under high temperature, or with surroundings filled with corrosive fluid. Pay attention to the sealing kits to prevent aging.
- Keep children and bystanders away while operating the Battery Powered Tool. Avoid distractions to prevent accidents.
- Do not use or charge the tool around flammables, or potentially explosive environments

2. Electrical safety

- Make sure the plug matches with the plug seat. Never make any changes on the plug.
- Do not place tool, battery and charger under a wet/ humid surroundings, it is easy to trigger an electric shock accident if any water goes into the electric system of the tool.
- Do not use electric wire to carry, pull, or to draw out the plug and do not connect the “-” and “+”, the damaged or twined wire may cause an electric shock accident.
- If the charger was damaged, do not do any repair works yourself please send it back to the authorized service center as soon as possible. The damaged charger may cause an electric shock accident.
- The best temperature for charging is between 10°C-40°C. Make sure the air hole of the battery and charger are uncovered during charging.
- Please cut the power of the charger after each usage. This prevents accidents

around children or unexperienced users.

- l. Do not overcharge the battery, it can damage it. Please keep the battery out of the tool to avoid power discharge.
- m. Please do not overheat the battery and do prevent any short-circuit incidents, it may cause explosions.
- n. Do not use the waste battery, otherwise it might cause electric shock.
- o. Do not disassemble the battery and charger. If there are any problems, please contact the manufacturer or agent.

3. Personal safety

- p. Stay alert, watch what you are doing and use common sense when operating the tool. Do not use the tool while you are tired or still under the influence of drugs, alcohol or medication. A moment of inattention may result in serious personal injury.
- q. Use safety equipment. Always use safety equipment such as mask, helmet, safety cap, insulating shoes etc. This is paramount to reduce the risk of personal injury.
- r. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes jewelry or long hair can be caught in moving parts.
- s. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the tool operation. If damaged, have the tool repaired before use. Many accidents are caused by poorly maintained power tools.
- t. Please use the tool properly, the tool with correct power will do the job better and safer at the rate for which it was designed.
- u. Do not put your fingers into the head of the tool during operating. Your fingers could be pinched and could cause very severe injuries.

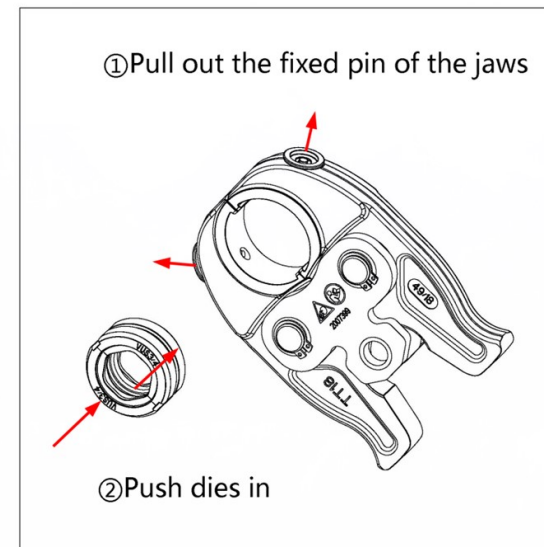


CAUTION:

Improper operation can lead to leaks at the joint

- 1) Please ensure that the press fitting specifications are the same as the jaw.
- 2) Do ensure that the jaw is completely closed after the pressing is completed.
- 3) When pressing, make sure that the jaw along with the pressing tool is properly positioned on the flange of the fitting.
- 4) If the jaw cannot be completely closed when pressed, it should be sent to the tool dealer or manufacturer for repair.
- 5) If the jaw's connection is incorrectly squeezed, replace a new jaw and do not continue usage.
- 6) If there is a burr on the pipe joint after pressing, it should be handed over to the tool dealer or manufacturer for inspection.

3.2. Please refer the illustration For Economic type below:



Important information:

- 1) The jaw is a consumable part. When it is often used for pressing, the material will be fatigued and cracks will occur. A heavily worn jaw is prone to breakage, especially if it is used improperly (such as over-sized fittings, skewed presses, etc.) or under illegal operation.
- 2) Check the jaw for any breakage, cracks, or component jams and any other unfavorable factors that compromise safety and normal operation. Do check either periodically or before each use. If you find any problems, please stop using them immediately, and return them to the professional repairing manufacturer or return to the factory for repair until the problem is resolved.
- 3) Once you encounter any of the below issues, please stop usage and seek replacement soonest.
 - a. the board is cracked
 - b. the jaw arm is cracked and deformed
 - c. the jaw is cracked, scratched, sunken or severely worn
 - d. other anomalies
- 4) It is forbidden to disassemble the tools by yourself. It is strictly forbidden to weld, polish, drill or other changes to the die accessories
- 5) Do not place any of your fingers or any body part into the jaw ring during the usage of the tool
- 6) This tool is a high-strength, heavy-duty appliance. Please follow the instructions and precautions strictly.

4. Service

Have your Battery Powered Mechanical Press Tool serviced by a qualified service technician using only identical replacement parts. This will ensure that the safety of the Battery Powered Pressing Tool Kit is maintained.

SPECIFIC SAFETY RULES

- 1) Maintain labels and nameplates on the tool which carry important safety information. If unreadable or missing, contact the agent to replace.
- 2) This product is not a toy, keep it out of reach of children.
- 3) Do not put your fingers into the head of the tool during operating. Your fingers could be pinched very severely.
- 4) Make sure the head is locked firmly during operation.
- 5) Do not knock any parts of the tool, otherwise it will cause injury.
- 6) Do not operate at will, it will damage the MCU and electric system
- 7) The design of the limit screw on the head is for preventing the head from dropping or popping.
- 8) Make sure the head is locked firmly during operation.
- 9) Do not use this tool for continuous use. After 30 to 40 cycles, allow the tool to cool for 15 minutes.
- 10) Do not secure this tool in a vise. This tool is designed for hand-held operation.
- 11) The built-in safety valve goes through strict pressure test before marketing; please do not adjust the pressure by an unprofessional/ unqualified person. If the pressure is not strong enough please return the tools back to the service center. The tool only can be reused after checking and testing by a trained person.
- 12) The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. **It must be understood by the operator that common sense and caution are factors which cannot be built into this product but must be supplied by the operator.**

UNDERSTAND YOUR TOOL

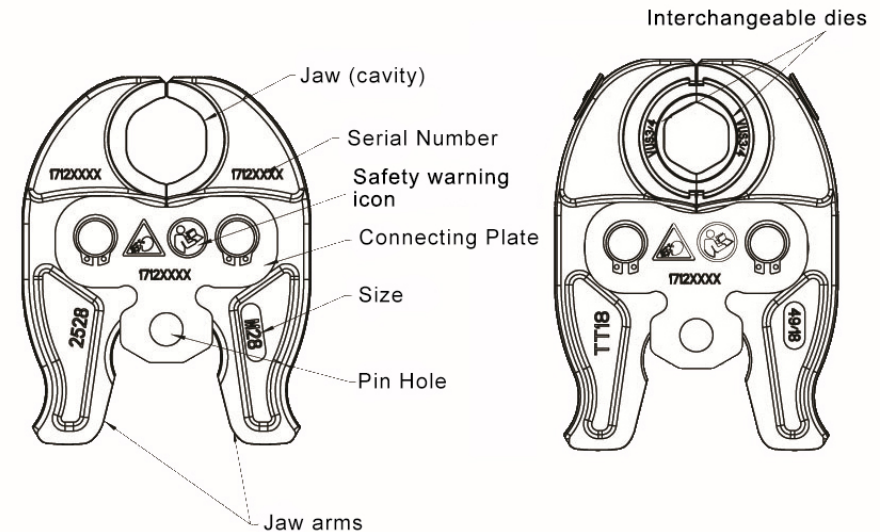
SHOWY 391/392 MP-1930 is a tool for pressing Stainless steel pipe, Copper pipe, XPAP, PEX pipe with fittings. It is powered by Li-ion, actuated by motor and controlled by MCU. It is a perfect tool to be used in plumbing and heating installations.

1. Specification

Rated pressure:	19kN
Stroke	30mm
Max pressing range:	up to 35mm Stainless steel pipe, Copper pipe up to 40mm Plastic pipe, Multi-layer composite pipe
Ambient temperature	-10~40℃
Voltage of battery:	DC 18V,2.0Ah
Charging voltage:	AC 100V~240V ;50~60Hz
Charging time:	Approx.40mins
Weight:	2.4kgs(with battery) 3.7kgs(with battery with jaw)
Size of tool:	400x119x76mm
Accessories:	
Battery:	2 pcs
Charger:	1 pc
Sealing ring of cylinder:	1 set
Sealing ring of safety valve:	1 set

3. Pressing jaws

3.1. Introduction of pressing jaws



Press jaw

Universal jaw



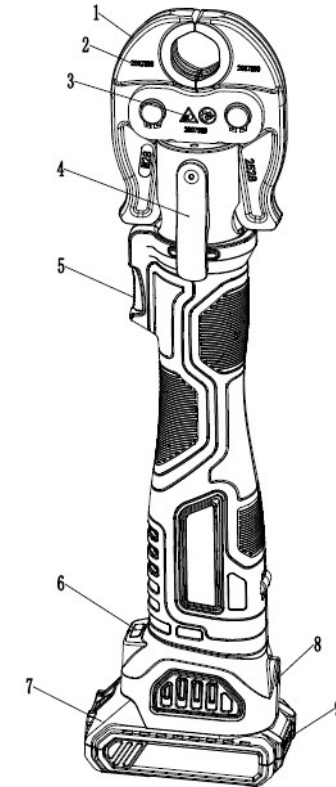
CAUTION:

- 1) The operation staff must have participated in professional training, and the construction engineering company must have the corresponding construction qualification recognized by the state.
- 2) Pressing tool and pressing jaw are only for the corresponding piping system and fittings. Use of other ways or modified standard accessories for other applications may damage tools and accessories, and may even result in personal injury.
- 3) This compact series press jaws is only suitable for 19kN press tool

- 3) After the press jaw holds the pipe, please keep your hands and fingers away from the jaw. Press the trigger and hold, at the high speed stage, the push rod will return back once releasing the trigger. At the low speed stage, tool stops working when reaches the set value, the push rod will return back after release the trigger
- 4) Do not let the tool or jaws hang directly on the pipe fittings, to avoid unnecessary injury or even fatal accidents caused by the tools falling accidentally.
- 5) Before starting the tool, the ram pin must be fully inserted into the ram and rotate the pin handle by 180° , otherwise it will easily cause damage to the ram and even personal injury.
- 6) Remove the grease from the non-lubricated parts of the tool, especially the hand-held parts, to avoid the tool slipping during use.
- 7) Do not disassemble and assemble tools at will, otherwise tool damage or even personal injury may occur.
- 8) Do not put your fingers and any part of the human body into the moving parts of the jaws during use and avoid pointing the tool head at yourself or others.
- 9) The pressure of the tool should be checked and calibrated regularly. The pressure check and calibration needs to be carried out under the special pressure detection device. Do not adjust it without permission, otherwise the tool may be damaged or even personal injury may occur.
- 10) After 30 minutes of continuous use, the tool should be cooled down before use. Otherwise, the tool will overheat, increasing its temperature resulting in early seal failure and oil leakage.

Warning: During the extension of the tool, do not put any part of the human body such as your fingers into the working jaws to avoid accidents!

2. Description of components:



Parts No.	Description	Function
1	Jaw	For pressing, interchangeable jaw
2	Serial NO.	For record
3	Security icon	For warning
4	Pin handle	For fixing pressing jaw
5	Trigger	For starting operation

6	LED indicator	For illumination
7	Battery	For supplying power, rechargeable Li-ion (18V)
8	LED indicator	For showing tool status, warning
9	Power display	For showing the battery status

3. Function description



Micro computer control system-automatically detects the pressure when in working with double safety protection. The tool resets and motor stop working after releasing the trigger when finish pressing.



The head can be smoothly turned by 180° to gain better access to tight corners and other difficult working areas.



If a deviation from the set operation pressure or low battery charge is identified, an acoustic signal will sound.



The overall structure of the tool is compact. It is ergonomically designed with a non-slip rubber grip and an optimized center of gravity for easier operation.

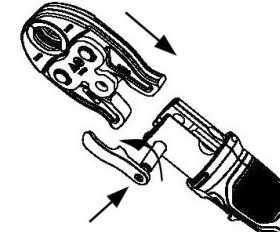


A temperature sensor makes the tool stop working automatically when the temperature over the preprogrammed value after prolong usage. When the faulty signal sounds, usage of the tool will be delayed until the temperature is reduce to the normal.

2. Operation

1.

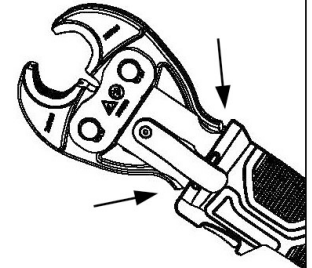
②Place into the pressing jaw



①Rotate the pin by 180° and pull out

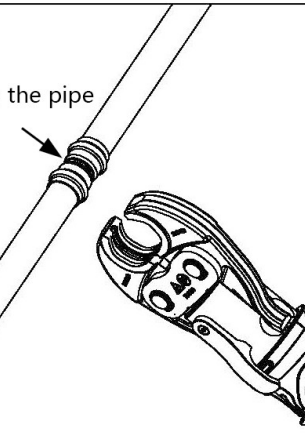
2.

Open the pressing jaw



3.

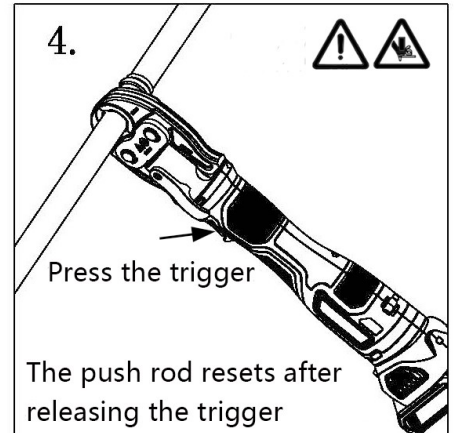
Place into the pipe

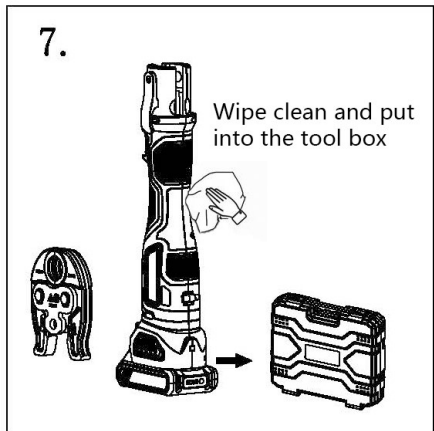
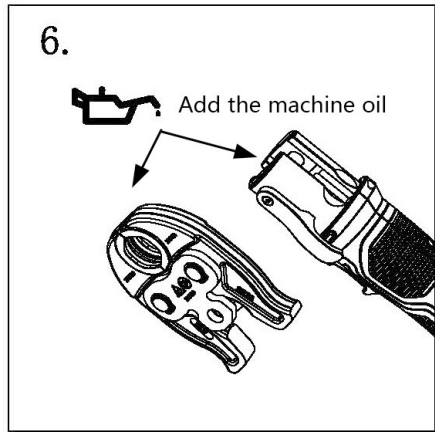
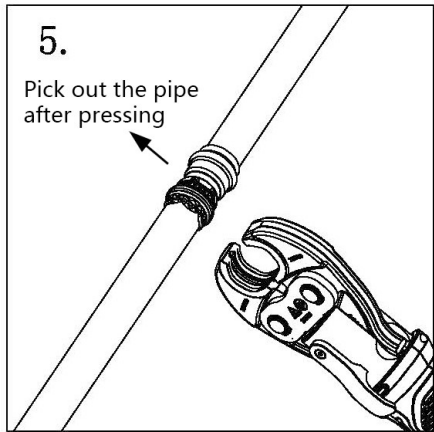


4.

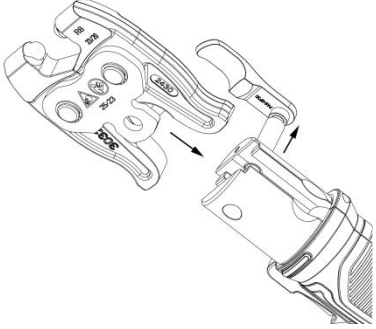
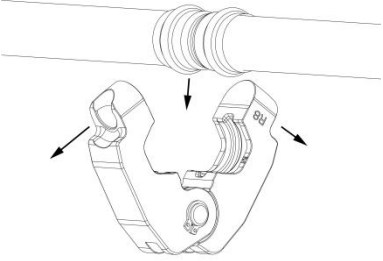
Press the trigger

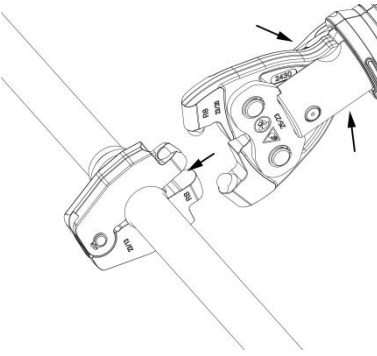
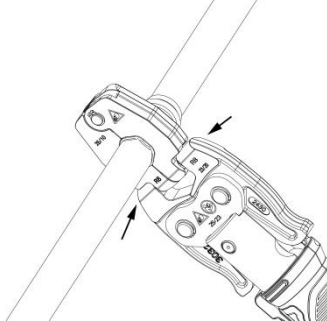
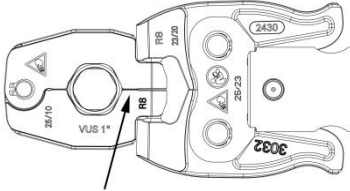
The push rod resets after releasing the trigger

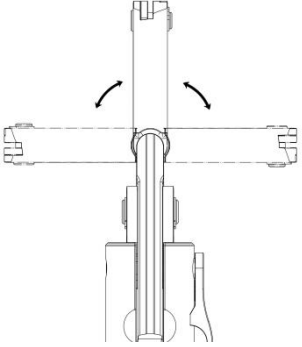




Tool Usage

NO.	Usage Instructions	Diagram
1	Rotate and pull out the jaw head pin, push the angle jaw along the inner groove of the tool's jaw head, then insert the jaw head pin and rotate to lock it. (For the tool usage method, please refer to the tool's instruction manual, the installation method of the angle jaw may vary for different tools.)	 <p data-bbox="779 592 1043 619">Installing the angle jaw</p>
2	<p>Select and open the crimp ring jaw, place the pipe fitting to be crimped into the jaw. After placing the pipe fitting into the crimp ring cavity, it must be perpendicular to the side surface of the crimp ring.</p> <p>Ensure that the connection between the pipe and the pipe fitting meets the requirements; for details, refer to the pipe fitting crimping specifications GB/T19228.1 or JWWAG116:2001.</p>	 <p data-bbox="779 1010 1149 1037">Properly Placing the Pipe Fitting</p>

3	Open the angle jaw, and release it after the two spherical surfaces contact the spherical groove of the crimp ring.	
4	Start the tool and crimp.	
5	<p>When the pressure reaches the maximum set value, the tool will automatically relieve pressure. Always pay attention to and ensure that the jaw is fully closed after complete crimping. After completion, open the angle jaw and the crimp ring, take out the pipe fitting, and be careful of sharp edges that may be generated during the crimping process.</p> <p>(If the jaw is not fully closed after crimping or an inappropriate crimp ring is</p>	 <p data-bbox="1800 1094 2119 1161">Crimping Jaw Fully Closed, Crimping Completed</p>



	selected, leakage may occur at the pipe fitting connection.)	
6	The crimp ring can be rotated 180° according to working conditions.	 A technical drawing of a pipe fitting assembly. It shows a vertical pipe with a horizontal pipe connected to it. A crimp ring is used to secure the connection. Two curved arrows indicate that the crimp ring can be rotated 180 degrees. The drawing is a line drawing with some dashed lines to indicate hidden parts.



Warning:

- 1) Before operating, you must check the tool for any damage, aging, missing parts, stuck components, and any other unfavorable factors that threaten safety. If you find any problems, please stop using it immediately until the problem is solved.
- 2) This tool is a high-pressure, high-strength, heavy-duty appliance. Please follow the instructions and precautions strictly to operate carefully!

Table 1 Signal Instruction and Meaning:

Series No	Instruction	White LED	RED	Green		What it means
1	Self-checking			Light on 5s		Self-checking to assure everything is ok
2	Illumination	 60s				The tool is on standby and automatically shuts down after 60s
3	Charging reminding		 Slow flash		⊙⊙⊙ Buzzing 3times	Lacking power, need charging, but tool still can work
			 Slow flash		⊙⊙⊙ Buzzing 3s	Lacking power, need charging, but tool can't work
4	Hall line is not connected		 Light on			Need to connect hall line
5	Motor malfunction		 Quick flash 3s			Motor wire is not connected, short circuit ect. Check the motor wire.
6	High temperature warning		 Slow flash 4times		⊙⊙⊙⊙ (2Hz)	Motor surface temperature is too high, waiting for cooling to restart the tool
7	Maintenance reminding		 Alternating flash	 Alternating flash		Tools must be maintained

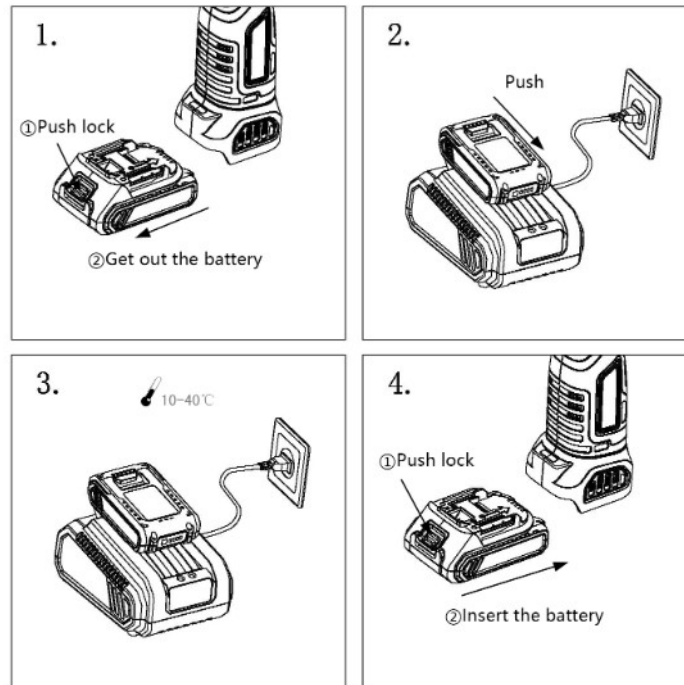
OPERATING INSTRUCTION

Read the entire SAFETY INFORMATION section at the beginning of this manual including all text under subheadings therein before using this product.

Usage of this tool is for the manufacturer's intended purpose only. Using it other than that which is described in this manual can result in injury or property damage.

1. Charging

Push battery into charger and connect the plug with the plug seat. Make sure the room temperature is between 10°C-40°C. The charging time is around 40mins. Please see the illustration below.



The detail of the charging information, please refer the manual (MANUAL FOR CHARGER)



- 1) When using the factory original battery, one must charge using the original charger. 4.0Ah/5.0Ah battery charging current shouldn't exceed 5A. 2.0Ah battery charging current shouldn't exceed 3.0A. The battery might smoke, burn, or even explode if the battery is charged with a non-compliant charger.
- 2) The battery can be used a couple of hundred times, however its life span will be reduced do change a new battery at your discretion.
- 3) Please charge the battery promptly. Do avoid using it up completely; otherwise it will become faulty. If the battery is left unused for long periods of time, it will discharge automatically. Make sure to charge it once every 3 months.
- 4) Do not connect the two poles of the battery with a wire, which is likely to cause electric spark, combustion or even explosion.
- 5) Do not use the damaged battery or charge it, or it will increase the risk of electric shock.
- 6) Under no circumstances should batteries be burned, or they may explode.
- 7) When charging the battery, do not cover the charger with any object, if the charger cannot dissipate heat, it is likely to cause fire.
- 8) Disconnect the charger when not in use. It will reduce the risk of injury to children and untrained personnel.
- 9) Do not use the charger in humid environments, and do not expose to rain and snow, or it will increase the risk of electric shock.
- 10) Do not disassemble the battery and charger without permission. If there is any fault in the process of use, please send it to professionals or the manufacturer for maintenance, until the problem is solved.



A Reliable Trademark of Quality

SHOWY 391/392 Actual Product



Complete Set