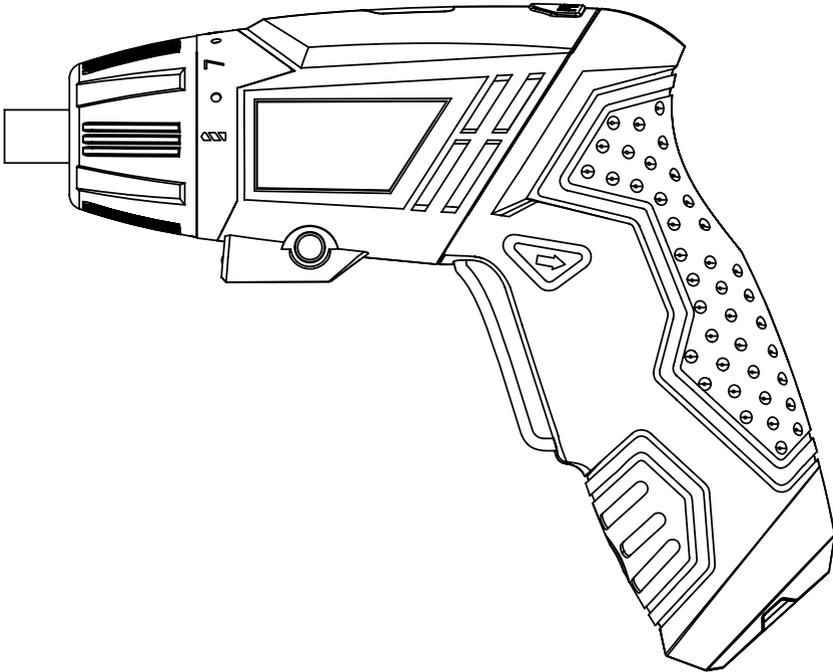




Instruction Manual

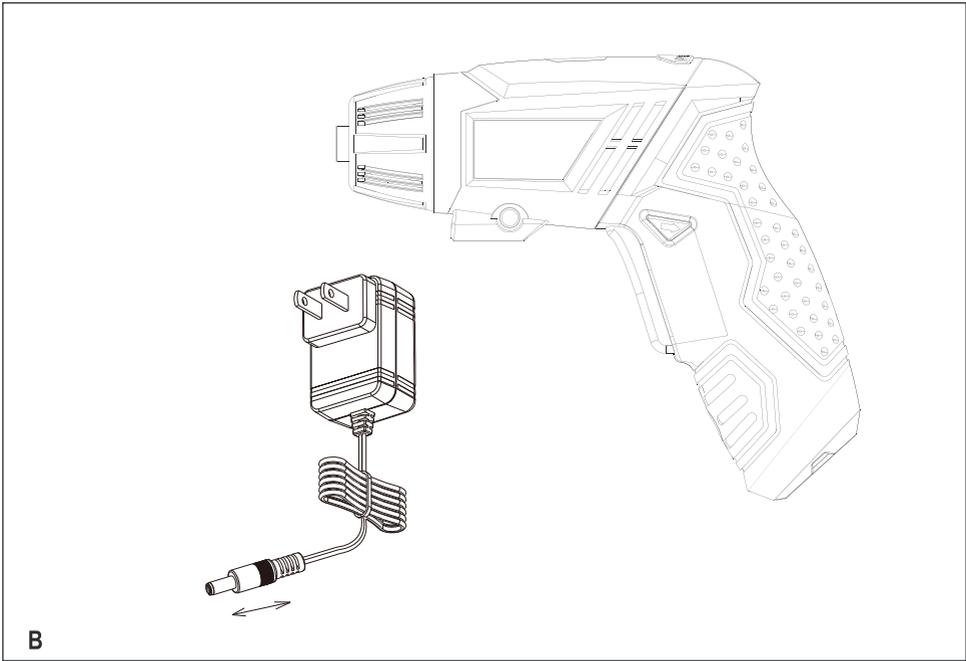
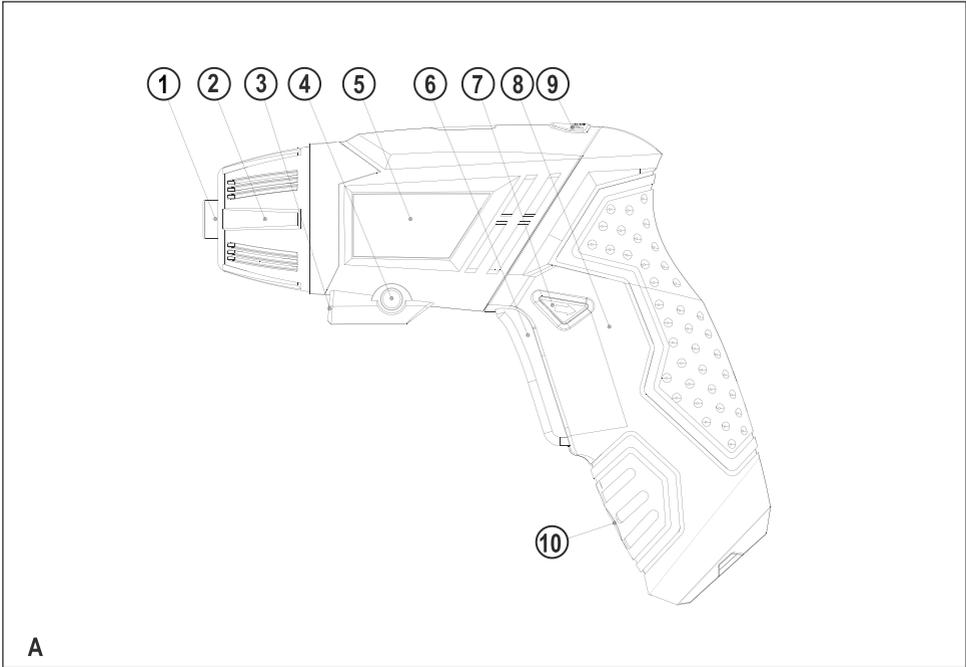
4.0V Li-Ion Screwdriver

Part #: 902-588



ECLIPSE ENTERPRISES, INC.

13302 Chula Road, Amelia Court House, VA 23002, U.S.A



Intended use

Your ECLIPSE ENTERPRISES, INC. 902-588 screwdriver has been designed for screwdriving applications. This tool is intended for consumer use only.

Safety instructions

General power tool safety warnings



Warning! Read all safety warnings and all instructions. Failure to follow the warnings and 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 all of the warnings listed below 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 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 tools 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. Battery tool use and care

- a. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- b. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws, or other small metal objects, that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
- d. **Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help.** Liquid ejected from the battery may cause irritation or burns.

6. 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.

Special Safety Advice for Screwdriver

Hold power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.

Only plug the Battery Charger in 100-240V mains. Recharge the Battery only with the provided charger. Before starting any work on walls, floors or similar, make sure that all power lines in the work area are switched off at the main switchboard. Use a suitable device such as a metal or electricity line detecting device. If in doubt contact a qualified electrician or your utility provider. Both tools and work-pieces can heat up considerably during the drilling operation. Allow a sufficient period of cooling before handling. Wear appropriate gloves.

Safety Advice for Charger

Important! Danger! There are 1 pcs 3.6V Li-ion battery in screwdriver, Never short-circuit the battery or expose it to moisture. Do not store it together with any metal parts which could short-circuit the contacts. the machine could overheat, start burning or explode.

Warning!

1. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
2. Do not recharge non-rechargeable batteries

Vibration

The declared vibration emission values stated in the technical data and the declaration of conformity have been measured in accordance with a standard test method provided by EN 60745 and may be used for comparing one tool with another. The declared vibration emission value may also be used in a preliminary assessment of exposure.

Warning! The vibration emission value during actual use of the power tool can differ from the declared value depending on the ways in which the tool is used. The vibration level may increase above the level stated.

When assessing vibration exposure to determine safety measures required by

2002/44/EC to protect persons regularly using power tools in employment, an estimation of vibration exposure should consider, the actual conditions of use and the way the tool is used, including taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time.

Labels on tool

The following pictograms are shown on the tool; along with the date code



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



The charger is intended for indoor use only.



Read this entire manual carefully before using the appliance.

Product Features

1. Keyless chuck
2. Gear box
3. LED
4. LED switch
5. Housing
6. Switch
7. Reverse-rotation lever
8. Handle casing
9. Pivot release button
10. Charging hole

Charging the Battery

Charging as shown, Must turn off the screwdriver. Only Red lights up on the power indicator when you charging. Charging time: 3-5Hours. The charger wire plug-in The position of the machine round hole, The charger plug in the socket. As shown in the figure B.

Power indicator light

Three different colors of light (From Left: Green. Yellow. Red) Charging State:

Only Red lights up when charging. Operation State:

Green . Yellow and red light will light up at the same time, With continued working, the battery voltage drops, and when the Red light turns off , this implies that the battery is used up and needs charging.

LED Light

Just press the LED switch button gently, and the LED light will turn on. Pressing the button again will turn off the LED lights.

Inserting Tool Bits

Important! Always turn off the machine before you change the screw bit to avoid unintentional starting of the machine. On/Off Trigger. In the use of driver, After make sure align Outside the six-party of bit and hexagon hole of output shaft. Keep it not fall off. If need to change bit, Turn off the screwdriver. Pull out bit from hexagon hole of output shaft by hand and change another one.

On/Off Trigger

Use the On/Off trigger to start the machine and keep holding it for continuous operation.

Reverse-rotation Lever

Important, This is a can foldable cordless screwdriver, The machine has to come to a complete stop before the reverse rotation lever can be used. otherwise the machine may be damaged,

Use the reverse-rotation lever to switch between clockwise (normal) and anticlockwise rotation or vice-versa, With the reverse-rotation lever in the central position the trigger switch is locked and cannot be depressed . Put the reverse-rotation lever in the central position before you put the machine down, to avoid unintentional starting. Right handhold handle, Left hand hold front of screwdriver. At the same time left thumb press the black button (with printed "Press"). Handle part rotated forwards 90 degrees. Then will become straighten. Same way, If you want curved. Do it like this.

Torque adjustment

Torque setting 8 torque+1 drilling setting You can control the maximum torque applied to the drill bit with the torque control knob. 8 Torque+1 Drilling. This Drilling does not mean this unit have drillability. Drilling means unit have Locked-rotor set. For the duration of the run unit. During 1-8 torque. The magnitude of the running over the unit can bear. Will make a "da-da-da" noise. when running in the maximum torque. The magnitude of the running over the unit can bear. Will protect the unit, Do not allow the tripping.

Attention! The torque control knob should only be operated when the machine is not running; otherwise the machine may be damaged.

To set the drill to the lowest available torque setting, twist the torque control knob until the small arrow on the drill-housing points to the "1" stamped on the torque control knob. In this position the torque clutch will slip with light drilling resistance. The higher the number the arrow points to on the torque control knob, the larger the maximum torque that can be applied before the torque clutch will slip. To set the machine to maximum available torque twist the torque control knob until the arrow points to the drill symbol.

In this position there is no slip in the torque clutch. Select a lower torque for insertion/removal of screws to avoid damage to the work-piece (in particular wooden work-pieces) or to the screw. For drilling select a higher torque setting. Do a test first on an item which is not your final work-piece and adjust the desired torque accordingly before you start the actual work.

Operation for working

- Using the Screwdriver as a Screw-driver
Before using the machine check whether the screw-bit is inserted correctly. Avoid over-tightening screws, otherwise the screw head may be damaged or stripping of the threads may occur.
- Screw Insertion
Set the direction of rotation of the drill to the clockwise direction. Insert the screw-bit into the slot in the head of the screw. Hold the screw bit perpendicular to the head of the screw, otherwise the screw or the screw head may be damaged. Press the screw bit against the screw with a constant pressure while driving in the screw. When the screw is completely screwed in, hold the machine firmly and release the On/Off trigger, otherwise the screw or the screw head may be damaged .if the On/Off trigger is not released immediately a high torque could also damage the drill bit or the drill.
- Screw Removal
Set the direction of rotation of the drill to the anticlockwise direction. Insert the screw-bit into the slot in the head of the screw. Hold the screw-bit perpendicular to the head of the screw, otherwise the screw or the screw head may be damaged. Press the screw bit against the screw with a constant pressure while removing the screw.

Maintenance and Cleaning

To clean, always use a dry or moist, but not wet, towel. Many cleaning agents contain chemical substances which may cause damage to the plastic parts of the machine. Therefore do not use any strong or inflammable cleaners such as petrol, paint

thinner, turpentine or similar cleaning agents.

Always keep air ventilation holes free of dust deposits to prevent overheating.

Technical Data

Model	902-588
Rated Voltage	4V
No-load Speed	180min-1
Sound pressure level	70dB(A)
Sound power level	75dB(A)
Vibration	<2.5 m/s ²
Weight	0.61 kg
Battery cell	DC 4.0V.LI-ION. 900/1000/1100/1200/1300mAh
Charger	
Rated Voltage	110V~120V, 60Hz
Output Voltage	DC5V, 300 mA
Charging Time	3-5 hours
Protection Class II	
Complied with EN60335-2-29	
Indoor operation only	



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