

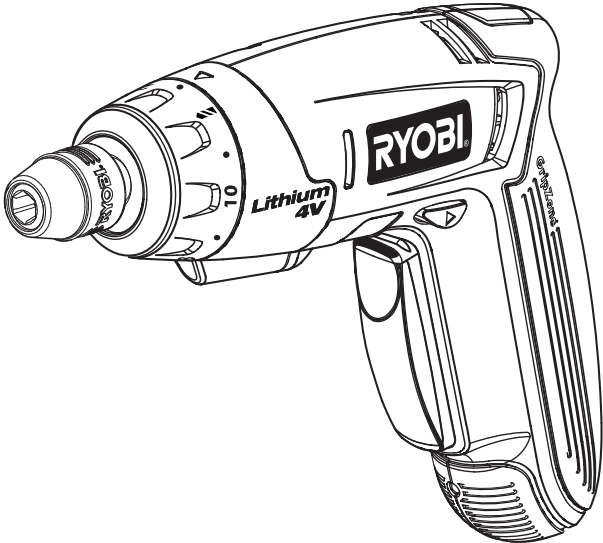


---

**CSD-4107BG**

---

# 4V LITHIUM-ION SCREWDRIVER OWNER'S OPERATING MANUAL



Your screwdriver has been engineered and manufactured to our high standard for dependability, ease of operation, and operator safety. When properly cared for, it will give you years of rugged, trouble-free performance.

**⚠ WARNING:** To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

Thank you for your purchase.

**SAVE THIS MANUAL FOR FUTURE REFERENCE**

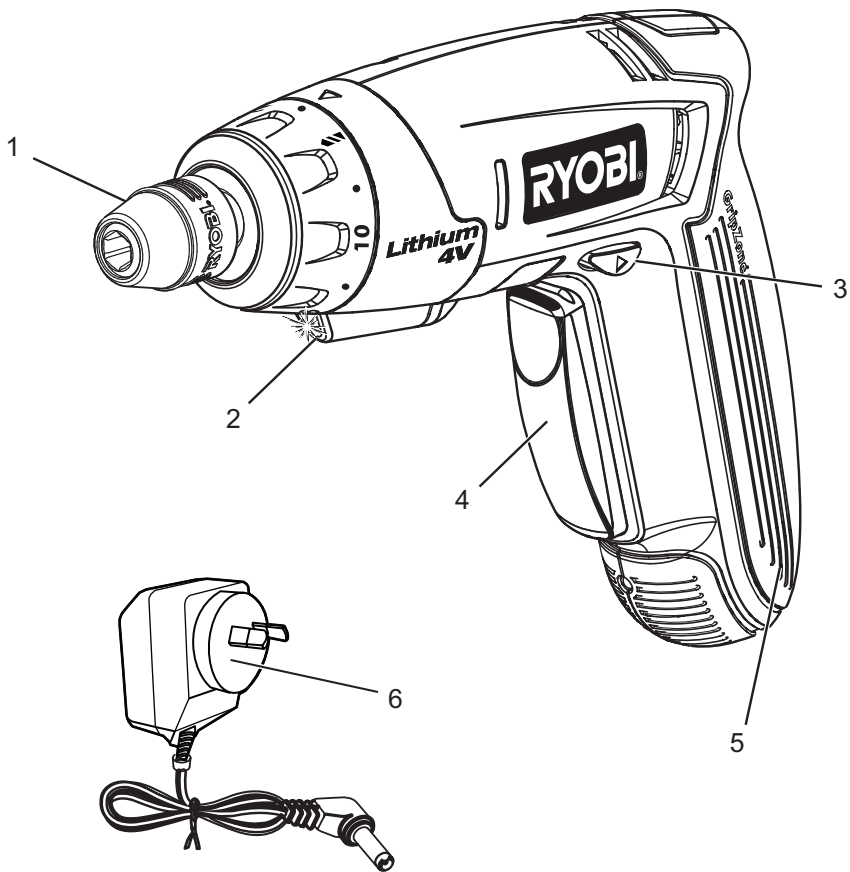
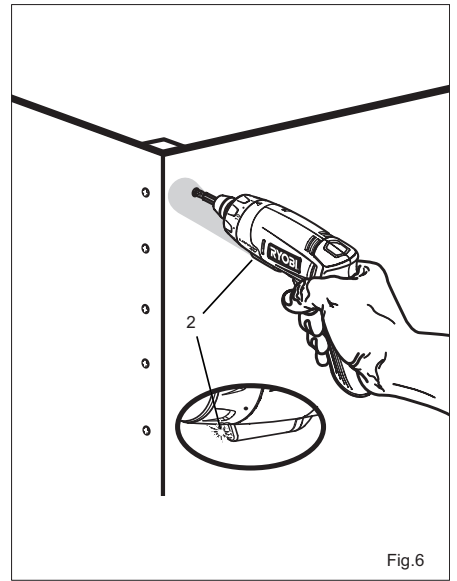
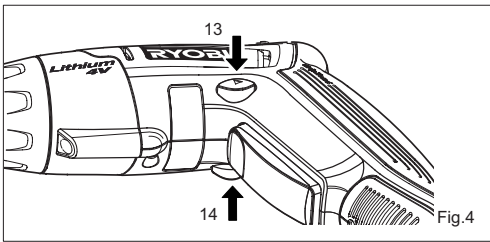
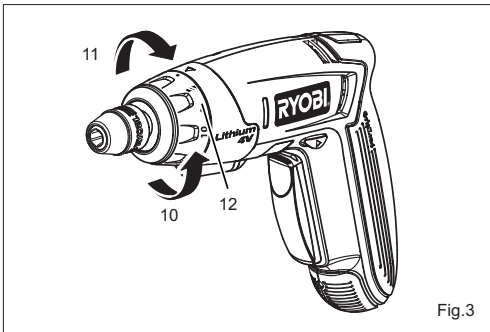
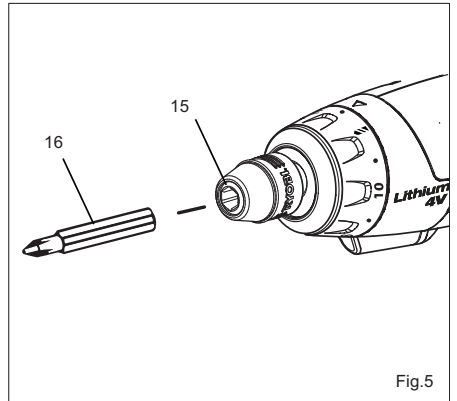
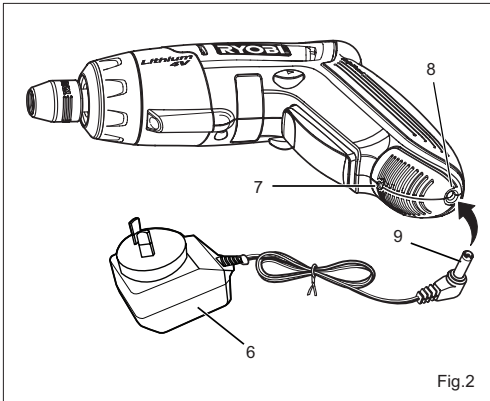


Fig.1



## GENERAL SAFETY RULES



### WARNING

**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.



**SAVE THESE INSTRUCTIONS.**

### WORK AREA

- **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
- **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.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### ELECTRICAL SAFETY

- **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.
- **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.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **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.

- **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.
- **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.

### PERSONAL SAFETY

- **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.
- **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.
- **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.
- **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.
- **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
- **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.
- **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.

### POWER TOOL USE AND CARE

- **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.

## GENERAL SAFETY RULES

- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that can not be controlled with the switch is dangerous and must be repaired.
- **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.
- **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.
- **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.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **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.

## BATTERY TOOL USE AND CARE

- **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.
- **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- **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.
- **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.

## SERVICE

- **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.

## CHARGER SAFETY

- Do not expose charger to wet or damp conditions.
- Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injuries to person.
- To reduce risk of damage to charger body and cord, pull by charger plug rather than cord when disconnecting charger.
- Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage and stress.
- An extension cord should not be used unless absolutely necessary. Use of improper extension cord could result in a risk of fire and electric shock. If extension cord must be used, make sure:
  - a. That pins on plug of extension cord are the same number, size and shape as those of plug on charger.
  - b. That extension cord is properly wired and in good electrical condition.
- Do not operate charger with a damaged cord or plug. If damaged, have it replaced immediately by a qualified serviceman.
- Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
- Do not disassemble charger; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- To reduce risk of electric shock, unplug the charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
- Disconnect charger from power supply when not in use.
- Risk of electric shock. Do not touch uninsulated portion of output connector or uninsulated battery terminal.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this unit. If you loan someone this unit, loan them these instructions also.

## SPECIFICATIONS

Motor	4 V DC
Switch	Single Speed/Reversible
No load Speed	180 r/min.(RPM)
Clutch	12 Positions
Torque	5 Nm max
Collet	6.35 mm
Weight (included battery)	0.47 kg
Charger Rating	Input: 240V, 50Hz, AC only Output: 5.6V-DC 140mA
Charge Time	10-12 hours

## DESCRIPTION

1. Quick change chuck
2. LED worklight
3. Direction of rotation selector ( forward/reverse/ center lock)
4. Switch Trigger
5. Grip zone
6. Charger
7. Red charge light
8. Input jack
9. Charger plug
10. To decrease torque
11. To increase torque
12. Torque adjustment ring
13. Reverse
14. Forward
15. Collet
16. Bit

## OPERATION



### WARNING:

Do not allow familiarity with products to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.



### WARNING:

Always wear safety goggles or safety glasses with side shields when operating products. Failure to do so could result in objects being thrown into your eyes, resulting in possible serious injury.



### WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

## APPLICATIONS

You may use this product for the purposes listed below:

- Driving screws with screwdriver bits
- Light-duty drilling

## TO CHARGE

See Figure 2.

When charging the screwdriver, a red charge light will illuminate on the handle of the screwdriver. This red charge light will go off when the screwdriver is fully charged.

- Insert charger plug into input jack making sure it is properly connected.
- Charger can be used with normal household voltage of 240 V, 50Hz, AC only.
- Connect charger to power supply.
- After normal usage, a minimum of  $\frac{1}{2}$  hours charging time is required to fully recharge the screwdriver.
- **Do not** place charger in an area of extreme heat or cold. It will work best at normal room temperature.
- Remove the product from the charger once it is fully charged and ready for use.



### WARNING:

Battery products are always in operating condition. Therefore, the switch should always be locked when not in use or carrying at your side.


## ADJUSTABLE TORQUE CLUTCH

This screwdriver is equipped with an adjustable torque clutch for driving different types of screws into different materials. The proper setting depends on the type of material and the size of screw you are using.

## ADJUSTING TORQUE

See Figure 3.

There are twelve torque indicator settings located on the front of the screwdriver.

- Rotate adjustment ring to desired setting, aligning number on adjustment ring with arrow on housing.
  - 1 - 2 For driving small screws
  - 3 - 4 For driving screws into soft material
  - 5 - 7 For driving screws into soft and hard materials
  - 8 - 9 For driving screws into hard wood
  - 10 - 11 For driving large screws
  -  For full power applications

## OPERATION

### DIRECTION OF ROTATION SELECTOR (FORWARD/REVERSE/CENTER LOCK)

See Figure 4.

The direction of bit rotation is reversible and is controlled by a selector located above the switch trigger. With the screwdriver held in normal operating position, the direction of rotation selector should be positioned to the left of the switch trigger for forward motion. The direction is reversed when the selector is to the right of the switch trigger.

Setting the switch trigger in the **OFF** (center lock) position helps reduce the possibility of accidental starting when not in use.

To stop the screwdriver, release the switch trigger and allow the collet to come to a complete stop.

### QUICK CHANGE CHUCK

See Figure 5.

A quick change chuck mounted on the screwdriver, is easy for inserting or removing the bits. To insert a bit, insert the bit into collet till lock. To remove a bit, simply pull the sleeve of collet forward.

### SPINDLE LOCK

The screwdriver spindle is locked when the On/Off switch is not pressed.

This enables screws to be screwed in, even when the battery is empty.

### GRIP ZONE

Soft grip reduces the danger of slipping and thereby improves the grip on the tool and handling.

At the same time, The rubber coating achieves a vibration-reducing effect.

### LED WORKLIGHT

See Figure 6.

The screwdriver has a built-in LED worklight. This feature is convenient when working in close or tight areas where additional light is needed. Whenever the switch trigger is depressed, the LED worklight will illuminate.

**NOTE:** During normal operation, if the LED worklight will not illuminate, charge the screwdriver.

## MAINTENANCE



#### WARNING:

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.



#### WARNING:

Always wear safety goggles or safety glasses with side shields during product operation or when blowing dust. If operation is dusty, also wear a dust mask.

### GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.



#### WARNING:

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Do not open the battery yourself. There is a danger of short circuit.

Only the parts shown on the parts list are intended to be repaired or replaced by the customer. All other parts should be replaced at an Authorized Service Center.

## ENVIRONMENTAL PROTECTION



Recycle raw materials instead of disposing as waste. The machine, accessories and packaging should be sorted for environmental-friendly recycling.