

ROCKWELL® *ShopSeries™*



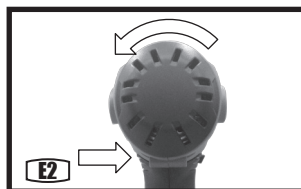
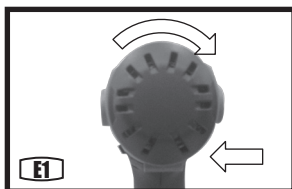
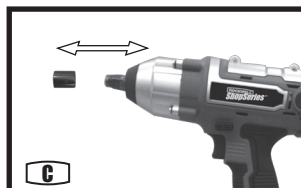
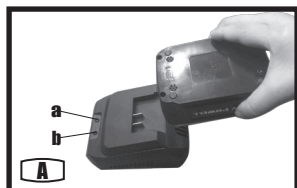
CORDLESS IMPACT WRENCH

EN

WARRANTY **2** **YEARS**

RS2317K

RS2317K



COMPONENT LIST

- 1 FORWARD, REVERSE ROTATION AND LOCK CONTROL**

- 2 SOFT GRIP HANDLE**

- 3 BATTERY PACK ***

- 4 BATTERY PACK LATCH**

- 5 LED LIGHT**

- 6 ON/OFF SWITCH WITH VARIABLE SPEED CONTROL**

- 7 TOOL HOLDER**

*Not all the accessories illustrated or described are included in standard delivery.

ACCESSORIES

3.0Ah Li-Ion battery pack	1
2hr charger	1
Socket(19/21mm)	2

Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

GENERAL POWER TOOL SAFETY WARNINGS

⚠ 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.

1. WORK AREA SAFETY

- a) Keep your 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 bystanders, children, and visitors 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) **Recommendation for the use of a residual current device with a rated residual current of 30 mA or less.**

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 adjusting keys or wrench before turning the 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 these devices 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 and in the manner intended for the particular type of power tool, 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 that safety of the power tool is maintained.

SAFETY WARNINGS FOR IMPACT WRENCHES

1. **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.

General Safety Warnings

 **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.

- 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.
- Children should be supervised to ensure that they do not play with the appliance.

Additional safety instructions for your Battery Charger

1. Before charging, read the instructions.
2. For charge Li-ion battery pack only.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
4. The battery terminal not connected to the chassis has to be connected first. The other connection is to be made to the chassis, remote from the battery and fuel line. The battery charger is then to be connected to the supply mains.
5. After charging, disconnect the battery charger from the supply mains. Then remove the chassis connection and then the battery connection.
6. Do not charge a leaking battery.
7. Do not use chargers for works other than those for which they are designed.
8. Before charging, ensure your charger is matching

the local AC supply.

9. The charging device must be protected from moisture.
10. Do not use the charging device in the open.
11. Do not short out the contacts of battery or charger.
12. Respect the polarity “+/-” when charging.
13. Do not open the unit and keep out of the reach of children.
14. Do not charge the batteries of other manufactures or ill-suited models.
15. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
16. Keep battery charger’s slots are free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
17. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
18. Do not recharge non-rechargeable batteries, as they can overheat and break.
19. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4.5°C, or above 40.5°C. This is important as it can prevent serious damage to the battery pack.

SYMBOLS



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



Warning



Wear ear protection



Wear eye protection



Wear dust mask



Double insulation



Indoor use only



C-Tick approval mark

N12702



Fuse
T2A time lag fuse with rated current of 2A



Positive terminal



Negative terminal

TECHNICAL DATA

Voltage	18
No-load speed	0-2300/min
Impact rate	0-3000/min
Max torque	380N.m
Square drive	1/2"
Battery capacity	3.0Ah Li-Ion
Weight	3.1kg

OPERATING INSTRUCTIONS



NOTE: Before using the tool, read the instruction book carefully.

BEFORE PUTTING INTO OPERATION

A) CHARGING THE BATTERY (See Fig. A) CHARGING PROCEDURE

- 1) Plug the charger into an appropriate outlet. The Green light (a) will be on.
- 2) Slide the battery pack (3) onto the charger, Green light (a) will be off and the light (b) will be red to indicate the charging process has started.
- 3) After 2 hours, the pack will be fully charged, Red light (b) will be off, and Green light (a) will be on. Unplug the charger and remove the battery pack.



WARNING! When battery charge runs out after continuously use or exposure to direct sunlight or heat, allow time for the tool to cool down before re-charging to achieve the full charge.

In a warm environment or after heavy use, the battery pack may become too hot. Allow time for the battery to cool down before recharging.

B) BATTERY CHARGING

The battery charger supplied is matched to the Li-Ion battery installed in the machine. Do not use another battery charger.

The Li-Ion battery is protected against deep discharging. When the battery is empty, the machine is switched off by means of a protective circuit: The chuck no longer rotates.

In a warm environment or after heavy use, the battery pack may become too hot to permit charging. Allow time for the battery to cool down before recharging. If you want to store the tool for a long time, please recharge it each 6-10 months to protect the battery pack.

C) TO REMOVE OR INSTALL BATTERY PACK (See Fig. B)

Depress the Battery Pack Latch (4) to release and slide the battery pack out from your tool. After re-charge, slide it back into your tool. A simple push and slight pressure will be sufficient.

OPERATION

Intended Use

This tool is intended to tighten and loosen nuts within the respective range of dimension

ASSEMBLY



CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

Selecting correct socket

Always use the correct size socket for bolts and nuts. An incorrect size socket will result in inaccurate and inconsistent fastening torque and/or damage to the bolt or nut.

Installing or removing socket (See Fig. C)

Align the socket with the four square sides and push it onto the anvil of the tool until it locks into place. Tap it lightly if required.

To remove the socket, simply pull it off.

1. ON/OFF SWITCH (See Fig. D)

Press the On/Off Switch to turn the tool on. Release the on/off switch to turn the tool off.

2. VARIABLE SPEED

This tool has a variable speed switch that delivers higher speed and higher torque with increased trigger pressure. Speed is controlled by the amount of switch trigger depression.



WARNING: Do not operate for long periods at low speed because excess heat will be produced internally.

3. SWITCH LOCK

The switch trigger can be locked in the OFF position. This helps to reduce the possibility of accidental starting when not in use. To lock the switch trigger, place the direction of rotation selector in the center position.

4. REVERSIBLE (See Fig. E1 E2)

For fastening the bolt/nuts, press the forward rotation marked “▶▶” (lever is moved to the left).

For loosening bolt/nuts press the reverse rotation marked “◀◀” (lever is moved to the right).



WARNING: Never change the direction of rotation when the chuck is rotating, wait until it has stopped!

5. LED LIGHT

To turn on the light simply press the on/off switch. When you release the on/off switch, the light will be off.

LED light increases visibility-great for dark or enclosed area.



ATTENTION! The LED light could not face to eyes directly.

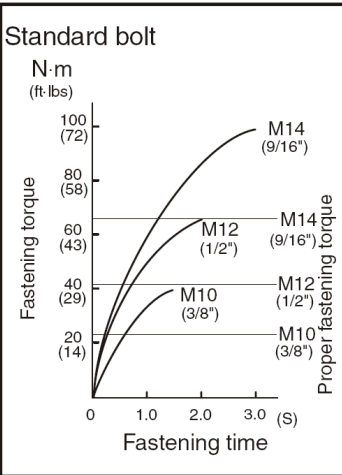
6. FASTENING TORQUE

- 1) The proper fastening torque may differ depending upon the kind or size of the bolt, the material of the workpiece to be fastened, etc. The relation between fastening torque and fastening time is shown in the figures.

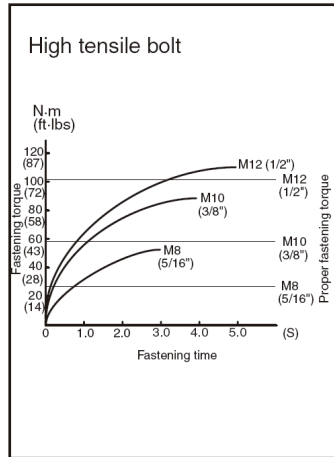
Hold the tool firmly and place the socket over the bolt or nut. Turn the tool on and fasten for the proper fastening time.

NOTE:

- When fastening bolt/nut M8 (5/16”) or smaller, carefully adjust pressure on the switch trigger so that the screw is not damaged.
- Hold the tool pointed straight at the bolt or nut.
- Excessive fastening torque may damage the bolt/nut or socket. Before starting your job, always perform a test operation to determine the proper fastening time for your bolt or nut. Especially for the bolt smaller than M8 (5/16”), perform the above test operation to prevent the trouble on socket or bolt, etc.



- f. Operating the tool at low speed will cause a reduction in the fastening torque.



- 2) • If the tool is operated continuously until the battery cartridge has discharged, allow the tool to rest for 15 minutes before proceeding with a fresh battery.
The fastening torque is affected by a wide variety of factors including the following. After fastening, always check the torque with a torque wrench.
- When the battery cartridge is discharged almost completely, voltage will drop and the fastening torque will be reduced.
 - Socket
 - Failure to use the correct size socket will cause a reduction in the fastening torque.
 - A worn socket (wear on the hex end or square end) will cause a reduction in the fastening torque.
 - Bolt
 - Even though the torque coefficient and the class of bolt are the same, the proper fastening torque will differ according to the diameter of bolt.
 - Even though the diameters of bolts are the same, the proper fastening torque will differ according to the torque coefficient, the class of bolt and the bolt length.
 - The use of the universal joint or the extension bar somewhat reduces the fastening force of the impact wrench.
Compensate by fastening for a longer period of time.
 - The manner of holding the tool or the material of driving position to be fastened will affect the torque.

7. TEMPERATURE DEPENDENT OVERLOAD PROTECTION

When using as intended for the power tool cannot be subject to overload. When the load is too high or the allowable battery temperature of 75°C is exceeded, the electronic control switches off the power tool until the temperature is in the optimum temperature range again.

8. PROTECTION AGAINST DEEP DISCHARGING

The Li-ion battery is protected against deep discharging by the "Discharging Protection System". When the battery is empty, the machine is switched off by means of a protective circuit: The inserted tool no longer rotates. When this occurs your tool will not switch on. Remove and recharge the battery pack.

PROBLEM SOLUTION

1. WHY DOES THE IMPACT WRENCH NOT TURN ON WHEN YOU PRESS THE SWITCH?

The forward and reverse switch, which is on top of the trigger, is positioned in the lock function. Unlock the forward and reverse switch putting it into the required rotation position. Push the trigger and the impact wrench will start to rotate.

2. I CANNOT FIT THE BATTERY INTO THE BATTERY CHARGER. WHY?

- a) Check if the charger and the battery pack are specifically designed for working together.
- b) The battery can be inserted into the charger only in one direction. Insert the battery to the slot, the indicator light should be red when the battery is charging.

3. REASONS FOR DIFFERENT BATTERY PACK WORKING TIMES.

Charging time issues, as above, and having not used a battery pack for a prolonged time will reduce the working life of the battery pack. This can be corrected after several charge and discharge operations by charging & working with your Impact Wrench. Do not re-charge your battery pack below 0°C and above 30°C as this will affect performance.

REASONS FOR DIFFERENT CHARGING TIMES

The charging time can be affected by many reasons which are not defects in your product.

- a) If the battery pack is only partly discharged it may be re-charged in less than 2 hour.
- b) If the battery pack and ambient temperature are very cold then re-charging may take 2-2.5 hours.
- c) If the battery pack is very hot it will not re-charge because the internal temperature safety cutout will prevent it. If the battery pack is very hot you must remove your battery pack from the charger and allow your battery pack to cool first to ambient temperature and then recharging can be started.

MAINTENANCE

Your power tool requires no additional lubrication or maintenance.

There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

**Staple your purchase receipt here
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