



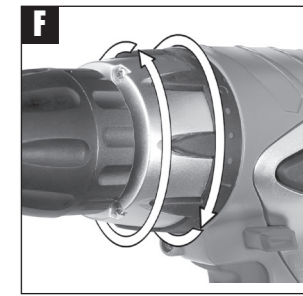
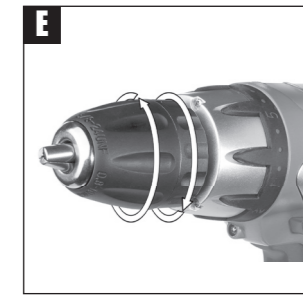
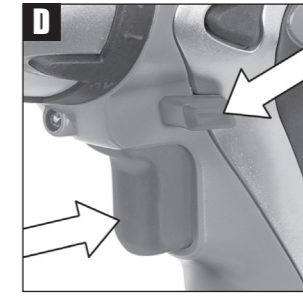
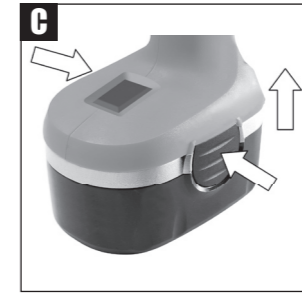
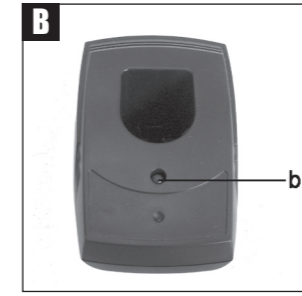
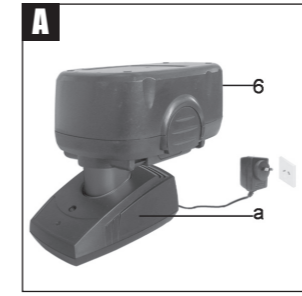
SAFETY AND OPERATING MANUAL

12V/14.4V / 18V
CORDLESS DRILL

IC12CD/IC14CDS2 / IC18CDS2



Thank you for purchasing an Icon product. We are confident that this product will meet and exceed your expectations of quality and reliability. Please take the time to carefully read this entire instruction manual before using your new product. Take note of the safety precautions contained herein.



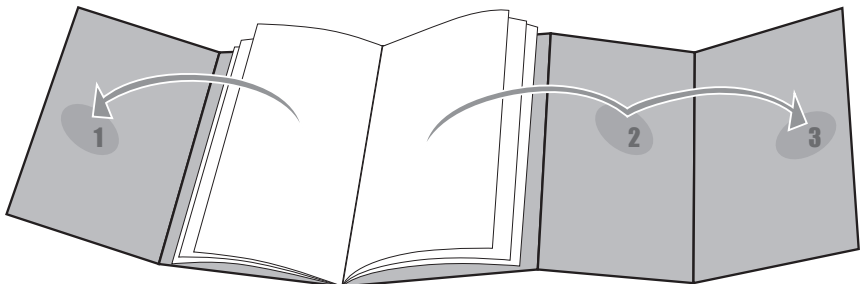
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I - Component List

1. Keyless chuck
2. Variable clutch
3. Forward and reverse rotation selector
4. Soft grip handle
5. Battery pack latch
6. Battery pack
7. Magnetic tray
8. On/Off switch with variable speed control


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



II - Technical specifications

	IC12CD	IC141CDS2	IC181CDS2
Rated voltage	12 V $\overline{=}$	14.4 V $\overline{=}$	18 V $\overline{=}$
Rated no load speed	0-550 /min	0-550 /min	0-550 /min
Number of clutch position	20+1	20+1	20+1
Chuck capacity	10 mm	10 mm	10 mm
Max. torque	10 N.m	15 N.m	16 N.m
Max. drilling capacity			
Wood	12 mm	12 mm	12 mm
Steel	8 mm	8 mm	8 mm
Weight	1.5 kg	1.6 kg	1.7 kg
Charge voltage	230-240V~50Hz	220-240V~50/60Hz	220-240V~50/60Hz

III - Safety instructions

 **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 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) **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 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 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) **Ensure the switch is in the off position before inserting battery pack.** Inserting the battery pack into power tools that have the switch on invites accidents.
 - b) **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack.
 - c) **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
 - d) **When battery pack is not in use, keep it away from other metal objects like paper clips, coins, keys, nails, screw, or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or fire.
 - e) **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.

ADDITIONAL SAFETY RULES FOR YOUR

1. Remove the battery pack from the drill before carrying out adjustments.

2. Do not expose to rain or water.
3. Do not store the battery pack in temperatures over 40°C.
4. Always charge the battery pack between temperatures 0°C to 30°C. Ideal charging temperature is 18°C to 24°C.
5. Only use the charger and the battery pack provided no others.
6. Avoid short circuit of the battery pack connections (screws & nails).
7. Do not incinerate or burn the battery pack, it may explode.
8. Do not charge a damaged battery pack.
9. Replace any damaged supply cords on your charger.
10. Always disconnect the charger power supply before making or breaking the connections to the battery pack.
11. Battery pack and charger will be warm during charging this is normal.
12. When not in use, remove a charged battery pack from the charger.
13. Always remove the battery pack from the charger immediately after re-charging is completed.
14. Your drill and battery pack will be warm when working, this is normal.
15. Do not dispose of batteries in fire, or with household waste. Return exhausted batteries to your local collection or recycling point.
16. Always check walls, floors and ceilings for hidden power cables and pipes.
17. Wear ear protection with cordless drill. Exposure to noise can cause hearing loss.
18. Accessories and metal parts can become very hot.
19. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring. Contact with a 'live' wire will also make exposed metal parts of the tool 'live' and shock the operator.

 **WARNING: If a small amount of electrolyte should leak from the battery pack under extremes of temperature or after heavy use, then wash off immediately from your skin and hands using clean water. For eye contact, rinse thoroughly with clean water and seek medical treatment immediately.**

 **WARNINGS FOR THE CHARGER:**

1. Before using the tool, read the instruction book carefully.
2. Charger is for indoor use only. Do not expose to rain or water.
3. Do not charge non-rechargeable batteries.
4. 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.

IV - Symbols



Read the manual



Warning



Indoor use only



Wear dust mask



Wear eye protection



Wear ear protection



Do not expose to rain or water



Do not burn



RCM approval

5112

V - Accessories

IC12CD:
3-5 h charger 1

IC141CDS2:
1200mAh Ni-Cd battery pack 2
3-5 h charger 1

IC181CDS2:
1200mAh Ni-Cd battery pack 2
3-5 h charger 1

We recommend that you purchase your accessories from the same store that sold you the tool. 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 advic.

VI - Charging procedure



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

1

BEFORE USING YOUR CORDLESS DRILL

Your battery pack is UNCHARGED and you must charge once before use. When you charge the new battery or one which has not been used for long periods of time, it may not reach full charge until after you have discharged it fully in use and recharge it several times.



WARNING: The charger and battery pack are specifically designed to work together so do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because an electrical failure and hazard will occur.

2

TO CHARGE THE BATTERY PACK (See Fig. A)

Note:

Insert the charger plug (A) into a suitable mains socket (B). Insert the battery pack (C) into the

charger (D), the power indicator (green) (F) will illuminate.

Press the charging start button (G) on the charger station. The green light (F) will switch off while the red light (E) will illuminate to indicate that charging is taking place.

When fully charged, the red light (E) will go out while the green light (F) switches back 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.

Note: A fully-discharged battery will take approximately 60 minutes to become fully charged. After 60 minutes, a timer circuit inside the charger will activate to switch off the charging system. When a partly discharged battery is charged, it may become fully charged before the timer circuit is activated. In this case, a safety cutout inside the battery pack will terminate the charging process. The safety cutout will also terminate the charging process if the internal temperature of the battery pack gets too high.

3

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

Locate latches on side of battery pack and depress both sides to release battery pack from your drill. Remove battery pack from your drill. After recharge insert the battery pack into drill's battery port. A simple push and slight pressure will be sufficient.

VII - Operating instructions

1

ON/OFF SWITCH (See Fig.D)

Depress to start and release to stop your drill. The on/off switch is fitted with a brake function which stops your chuck immediately when you quickly release the switch.

It is also a variable speed switch that delivers higher speed and 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.

2

SWITCH LOCK (See Fig.D)

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.

3

REVERSIBLE (See Fig.D)

For drilling and screw driving use forward rotation marked "◀" (lever is moved to the left). Only use reverse rotation marked "▶" (lever is moved to the right) to remove screws or release a jammed drill bit.

Warning: Never change the direction of rotation when the chuck is rotating. Wait until it has stopped.

4

CHUCK ADJUSTMENT (See Fig.E)

To open the chuck jaws rotate the front section of the chuck. Insert the drill bit between the chuck jaws and rotate the front section in the opposite direction. Ensure the drill bit is in the center of the chuck jaws. Finally, firmly rotate the front chuck section in the opposite directions. Your drill bit is now clamped in the chuck.

5

TORQUE ADJUSTMENT (See Fig.F)

(Screw driving force of your drill driver) The torque is adjusted by rotating the torque adjustment ring. The torque is greater when the torque adjustment ring is set on a higher setting. The torque is less when the torque adjustment ring is set on a lower setting.

Make the setting as follows:

1 low setting, e. g., small screws, soft materials.

20 high setting, e. g., large screws, hard materials.

⊞ for heavy drilling

6

DRILLING

When drilling into a hard smooth surface, use a center punch to mark the desired hole location. This will prevent the drill bit from slipping off center as the hole is started. Hold the tool firmly and place the tip of the bit at the point to be drilled. Depress the switch trigger to start the tool. Move the drill bit into the workpiece, applying only enough pressure to keep the bit cutting. Do not force or apply side pressure to elongate a hole.

WARNING: Tungsten carbide drill bits should always be used for concrete and masonry. When drilling in metal, only use HSS drill bits in good condition. Always use a magnetic bit holder when using short screwdriver bits. When screw-driving, apply a small quantity of liquid soap or similar to the screw threads to ease insertion.

7

MAGNETIC TRAY

The bits/screws provided with the drill can be placed on the magnetic tray during working for convenience.

8

DISPOSAL OF AN EXHAUSTED BATTERY PACK

To preserve natural resources, please recycle or dispose of the battery pack properly. This battery pack contains NI-CD batteries. Consult your local waste authority for information regarding available recycling and/or disposal options. Discharge your battery pack by operating your drill, then remove the battery pack from the drill housing and cover the battery pack connections with heavy duty adhesive tape to prevent short circuit and energy discharge. Do not attempt to open or remove any of the components.

VIII - Problem solution

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

The forward and reverse switch, which is on

7

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 drill will start to rotate.

2. THE DRILL STOPS BEFORE THE SCREW IS COMPLETELY TIGHTENED. WHY?

Verify the torque position of the variable clutch, you can find the variable clutch between the chuck and the drill body. Position 1 is the lowest torque (screw driving force) and position 20 is the highest torque (screw driving force). Position 21 is for drill operation. Regulate the variable clutch to a higher position to reach the best result.

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

The battery can be inserted into the charger only in one direction. Turn the battery around until it can be inserted into the slot, the red LED light should turn on when the battery is charging.

4. 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 drill. Heavy working conditions such as large screws into hard wood will use up the battery pack energy faster than lighter working conditions. Do not re-charge your battery pack below 0oC and above 30oC as this will affect performance.

IX - Maintenance

Remove the battery pack from the tool before carrying out any adjustment, servicing or maintenance.

Your tool requires no additional lubrication or maintenance.

There are no user serviceable parts in your tool, battery pack or charger. Never use water or chemical cleaners to clean your tool. Wipe clean with a dry cloth. Always store your tool in a dry place. Keep the motor ventilation

slots clean. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

X - Warranty

This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A small freight charge may apply.

The warranty replacement unit only made available by returning the tool to the place of purchase with a confirmed register receipt.

Proof of purchase is essential.

We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use.