



THE TOOL COMPANY

# 18V CORDLESS CIRCULAR SAW

■ STOCK No.73530

■ PART No.CCS140

## • INSTRUCTIONS •

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS TOOL.



## GENERAL INFORMATION

This manual has been compiled by Draper Tools and is an integrated part of the product with which it is enclosed and should be kept with it for future references.

This manual describes the purpose for which the product has been designed and contains all the necessary information to ensure its correct and safe use. We recommend that this manual is read before any operation or, before performing any kind of adjustment to the product and prior to any maintenance tasks. By following all the general safety instructions contained in this manual, it will ensure both product and operator safety, together with longer life of the product itself.

All photographs and drawings in this manual are supplied by Draper Tools to help illustrate the operation of the product.

Whilst every effort has been made to ensure accuracy of information contained in this manual, the Draper Tools policy of continuous improvement determines the right to make modifications without prior warning.



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## DECLARATION OF CONFORMITY

We  
Draper Tools Ltd. Hursley Road, Chandler's Ford, Eastleigh, Hampshire.  
SO53 1YF. England.

Declare under our sole responsibility that the product:

**Stock No:-** 73530.

**Part No:-** CCS140.

**Description:-** Cordless Circular Saw.

To which this declaration relates is in conformity with the following directive(s)  
73/23/EEC, 89/336/EEC & 98/37/EC

With reference to:

EN63305-2-29+A11, EN60335-1+A1+A2+A11+A12+A13+A14+A15+A16,  
EN61000-3-2:1995+A1+A2+A14, EN55014-1:2000, EN61000-3-3:1995, EN55014-2:1997,  
EN61000-4-4:1995, EN61000-4-5:1995, EN61000-4-6:1996, EN61000-4-11:1994

JOHN DRAPER  
Managing Director

26/02/2004



# SPECIFICATION

The Draper Tools policy of continuous improvement determines the right to change specification without notice.

|                            |                      |
|----------------------------|----------------------|
| Stock No. ....             | 73530                |
| Part No. ....              | CCS140               |
| Battery Pack .....         | 18V/1.5Ah            |
| Blade Diameter .....       | 140mm                |
| Blade Bore .....           | 10mm                 |
| Max. Depth Cut @ 90°.....  | 40mm                 |
| 45°.....                   | 29mm                 |
| Speed (no load) .....      | 4000RPM              |
| Sound Pressure Level ..... | 74.90dB(A)           |
| Sound Power Level .....    | 85.90dB(A)           |
| Vibration Level .....      | <2.5m/s <sup>2</sup> |
| Weight (machine) .....     | 2.6kg                |

**ALWAYS WEAR APPROVED PROTECTIVE GOGGLES,  
DUST MASK & EAR DEFENDERS.**



# GUARANTEE (Hand held professional electric power tools)

Draper hand held professional electric power tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase except where tools are hired out when the guarantee period is ninety days from the date of purchase.

Should the machine develop any fault where warranty applies, arrangements will be made for the tool to be returned free-of-charge to the Service Centre at Draper Tools Limited.

Please contact: **DRAPER HELPLINE – (023) 8049 4344**

A proof of purchase must be provided with the tool.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship the product will be repaired and tested as soon as possible free of charge, normally within five working days. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted by any personnel other than the Service Center at Draper Tools Limited or other authorised agent.

**Note:** If the tool is found not to be within the Terms of Warranty, repair and carriage charges will be quoted and made accordingly.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorised.

Your Draper guarantee is not effective unless you produce a dated receipt or invoice to verify your proof of purchase within the 12 month period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

Draper Tools Limited.



# GENERAL SAFETY INSTRUCTIONS FOR POWER TOOLS

## WARNING:

Please read the following instructions carefully, failure to do so could lead to serious personal injury. When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and save these instructions.

## IMPORTANT:

Draper Tools Limited recommends that this machine should not be modified or used for any application other than that for which it was designed. If you are unsure of its relative applications do not hesitate to contact us in writing and we will advise you.

### 1. KNOW YOUR POWER TOOL

Read and understand the owner's manual and labels affixed to the tool. Learn its application and limitations as well as the specific potential hazards peculiar to this tool.

### 2. KEEP WORK AREA CLEAN

Cluttered areas and benches invite accidents. Floors must not be slippery due to oil or sawdust.

### 3. AVOID DANGEROUS ENVIRONMENTS

Do not use power tools in damp or wet locations, or expose them to rain. Keep work area well lit. Provide adequate space surrounding the work area. Do not use in environments with a potentially explosive atmosphere.

### 4. KEEP CHILDREN AWAY

All visitors should be kept a safe distance from work area.

### 5. STORED TOOLS

When not being used, all tools should be stored in a dry, locked cupboard and out of the reach of children.

### 6. WEAR PROPER CLOTHING

Do not wear loose clothing, neckties or jewelry (rings, wristwatches) to catch in moving parts. NONSLIP footwear is recommended. Wear protective hair covering to contain long hair. Roll long sleeves above the elbow.

### 7. USE SAFETY GOGGLES (Head Protection)

Wear CE approved safety goggles at all times. Normal spectacles only have impact resistant lenses, they are NOT safety glasses. Also, use face or dust mask if application is dusty and ear protectors (plugs or muffs) during extended periods of operation.

### 8. NOISE LEVELS

Some types of machines may have high noise levels when working. In such cases ear protection must be worn.

### 9. VIBRATION LEVELS

Hand held power tools produce different vibration levels. You should always refer to the specifications and relevant Health and Safety guide.

### 10. DUST EXTRACTION

If your tool is fitted with a dust extraction fitting, always ensure that it is connected and being used with a dust extractor. Vacuum cleaners can be used if suitable for the material being extracted.

### 11. PROTECT YOURSELF FROM ELECTRIC SHOCK

When working with power tools, avoid contact with any earthed items (e.g. pipes, radiators, hobs and refrigerators, etc.). If you are using a power tool in extreme conditions (e.g. high humidity or generating metal dust), always use an RCD (residual current device) at the power socket.

### 12. STAY ALERT

Always watch what you are doing and use common sense. Do not operate a power tool when you are tired or under the influence of alcohol or drugs.

### 13. WHEN WORKING OUT OF DOORS

Only use extension leads designed for that purpose.

### 14. ACCESS TO MAINS SOCKET

If a stationary machine is fitted with a moulded plug and cable, the machine should not be positioned so that access to the mains socket is restricted.

### 15. DISCONNECT POWER TO THE TOOL

When not in use, before servicing and when changing accessories such as cutters, etc.

### 16. AVOID ACCIDENTAL STARTING

Make sure the switch is in the OFF position before plugging the machine into the power supply.

### 17. NEVER LEAVE MACHINE RUNNING UNATTENDED

Turn power off. Do not leave machine until it comes to a complete stop.

### 18. DO NOT ABUSE THE CORD

Never carry the tool by the power cable or pull it from the socket. Keep the power cable away from heat, oil and sharp edges. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid hazard.

### 19. NEVER STAND ON TOOL

Serious injury could occur if the tool is tipped or if the cutting tool is accidentally contacted. Do not store materials above or near the tool, so that it is necessary to stand on the tool to reach them.

### 20. CHECK DAMAGED PARTS

Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be repaired properly or replaced by an authorized service centre unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.

### 21. KEEP GUARDS IN PLACE

And in working order.

### 22. MAINTAIN TOOLS WITH CARE

Keep tools sharp and clean for the best and safest performance. Follow instructions for lubricating and changing accessories. All extension cables must be checked at regular intervals and replaced if damaged. Always keep the hand grips on the tool clean, dry and free of oil and grease.

### 23. USE RECOMMENDED ACCESSORIES

Consult the owners manual for recommended accessories. Follow the instructions that accompany the accessories. The use of improper accessories may cause hazards.

### 24. REMOVE ADJUSTING KEYS AND WRENCHES

Form a habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.

### 25. SECURE WORK

Use clamps or a vice to hold work. This frees both hands to operate the tool.

### 26. DO NOT OVERREACH

Keep proper footing and balance at all times.

### 27. USE RIGHT TOOL

Do not force the tool or attachment to do a job for which it was not designed.

### 28. DO NOT FORCE TOOL

It will do the job better and safer at the rate for which it was designed.

### 29. DIRECTION OF FEED

Feed work into a blade or cutter against the direction of rotation of the blade or cutter only.

### 30. WHEN DRILLING OR SCREWING INTO WALLS

Always make sure there is no danger of hitting any hidden power cables, water or gas pipes in the wall.

### 31. HAVE YOUR TOOL REPAIRED BY A QUALIFIED PERSON

This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

## IMPORTANT NOTE:

Residual Risk. Although the safety instructions and operating manuals for our tools contain extensive instructions on safe working with power tools, every power tool involves a certain residual risk which can not be completely excluded by safety mechanisms. Power tools must therefore always be operated with caution!



# ADDITIONAL SAFETY INSTRUCTIONS

## CHARGING

This battery was discharged after manufacturing and will therefore require five to ten charges/discharges before it reaches its capacity.

## SAFETY INSTRUCTIONS FOR RECHARGEABLE BATTERIES:

- Do not expose to rain or water.
- Do not overcharge the battery as this may damage the battery cells.
- Ensure that the battery pack is not exposed to direct sunlight, domestic heaters or other sources of heat.
- Temperatures of more than 50°C and high moisture levels will damage the battery pack.

## HEALTH AND SAFETY FOR BATTERY PACKS:

### General

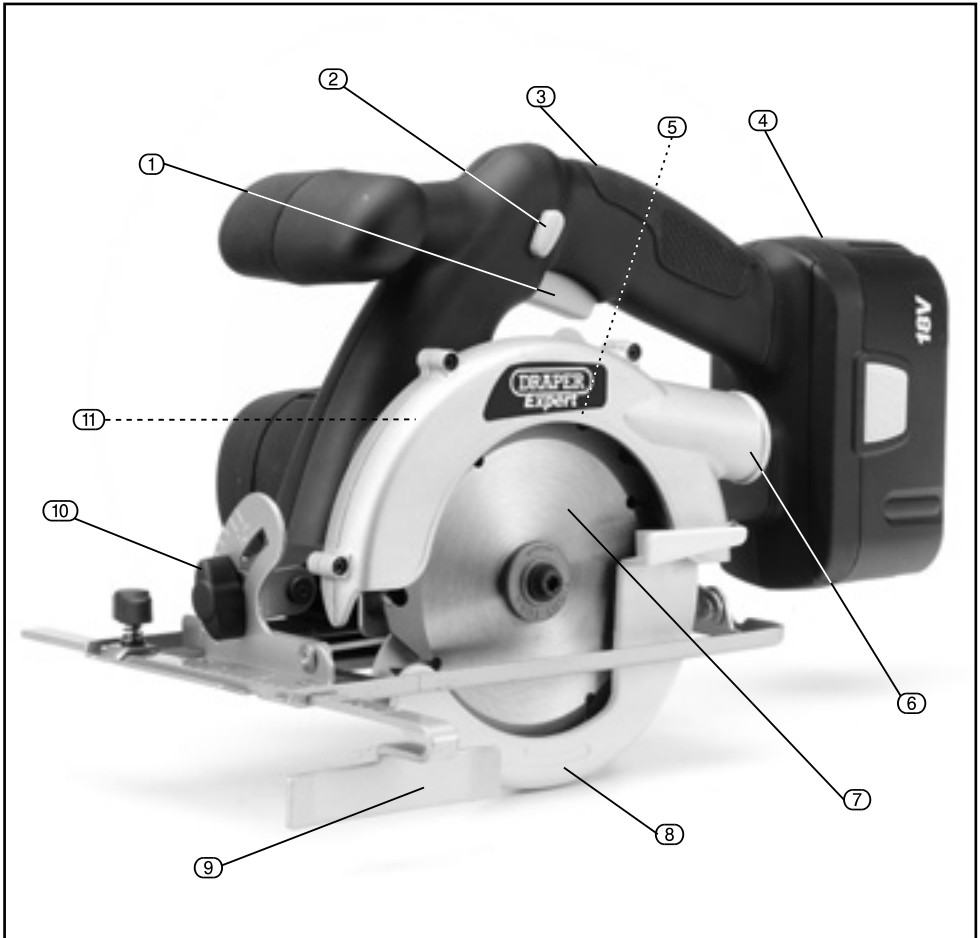
- Do not put in a fire or mutilate - the cells may burst or release toxic materials.
- Do not short circuit the cells as they may cause burns.

### Disposal

- Do not mutilate the batteries as corrosive electrolyte will be released.
- Do not incinerate - danger of explosion and release of toxic fumes.
- Do not dispose of batteries or cells when they are in a charged condition.
- Expired nickel-cadmium batteries must be recycled/disposed of in accordance with the appropriate regulations legislation. They should be returned to your local warranty agent/stockist.



## GETTING TO KNOW YOUR CORDLESS CIRCULAR SAW



- |                                  |                                 |
|----------------------------------|---------------------------------|
| ① On/Off Trigger                 | ⑥ Dust Extraction               |
| ② Safety Switch                  | ⑦ Blade                         |
| ③ Soft Grip                      | ⑧ Lower Blade Guard             |
| ④ Battery                        | ⑨ Parallel Guide                |
| ⑤ Height Adjustment Locking Knob | ⑩ Bevel Adjustment Locking Knob |
|                                  | ⑪ Spindle lock                  |

**UNPACKING:** After removing the packing material, make sure the product is in perfect condition and that there are no visible damaged parts. If in doubt, do not use the circular saw and contact the dealer from whom it was purchased.

The packaging materials (plastic bags, polystyrene etc.,) must be disposed of in an appropriate refuse collection container. These materials must not be left within the reach of children as they are potential sources of danger.

# OPERATION AND USE

## **BATTERY CHARGING: (Figs. 1 & 2)**

To charge the battery pack, it must first be removed from the tool. To release the battery pack, squeeze the grips located on either side of the battery casing and gently slide the battery pack off (Fig. 1). Plug the battery charger unit into a 230V/A.C. 13amp, three pin socket.

The amber light (A) will illuminate. Slide the battery on to the charger as shown (Fig.2). Do not force. Ensure the battery is inserted correctly. The red light (B) on the charger will now illuminate to show that the battery is fast charging. If the green light illuminates, remove the battery. This indicates the temperature of the battery is too high or low. When the battery is at room temperature, retry. When the battery is fully charged (approx. 1hour), the red light will go out and the green light will illuminate to indicate it is now trickle charging. The battery pack can then be removed and used to power the tool. To refit the battery pack to the tool, push firmly until the battery pack locates and snaps into place.

**NOTE:** The battery was discharged after manufacturing and will therefore require five to ten charges/discharges before it reaches its full capacity.

**NOTE:** Remove the battery pack from the machine before carrying out adjustment, servicing or maintenance.

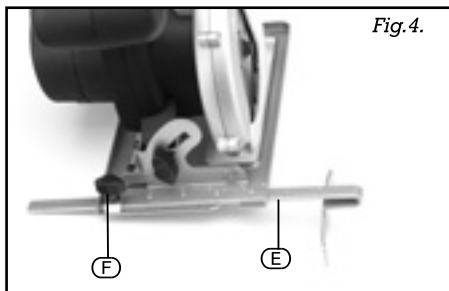
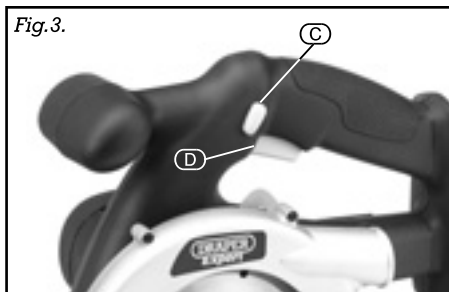
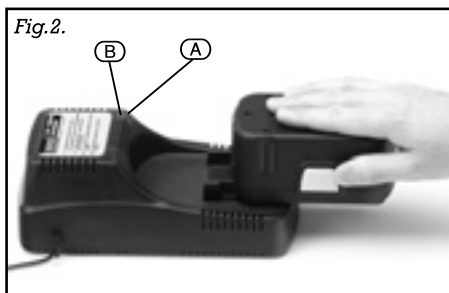
## **ON/OFF SWITCH: (Fig. 3)**

To operate the circular saw press button (C), pull trigger (D), and release button (C). Release trigger (D) to stop the circular saw.

**NOTE:** The circular saw is fitted with a safety switch to prevent accidental starting.

## **PARALLEL GUIDE: (Fig. 4)**

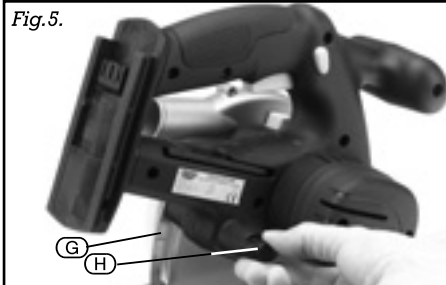
When requiring a straight parallel cut to a set width, the parallel guide (E) can be used. Loosen lock (F) to adjust the guide to the desired settings and then retighten. Adjust by performing test cuts on a scrap piece of timber.



## OPERATION AND USE

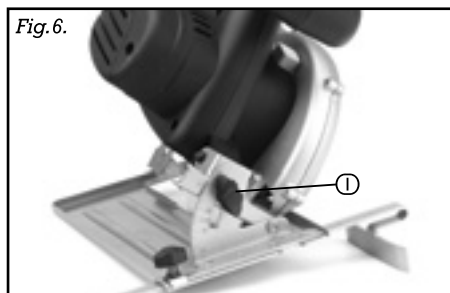
### CUTTING DEPTH: (Fig. 5)

To adjust the depth of cut loosen locking lever (G) and set the depth on the guide scale (H) to lock in place again, push down on lever (G).



### BEVEL CUTS: (Fig. 6)

To alter the angle of the cut, loosen locking knob (I) on the front of the base.



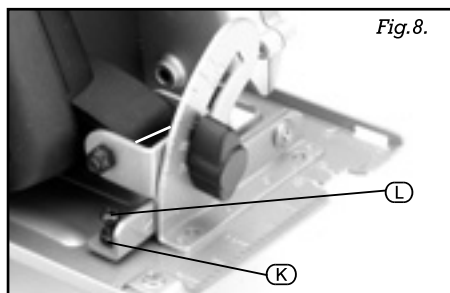
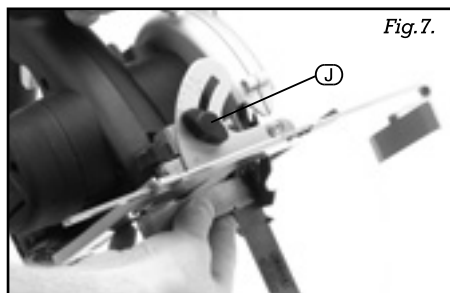
### END STOP ADJUSTMENT: (Figs. 7 & 8)

To ensure complete accuracy at 0° the end stop is adjustable. With the battery disconnected slide the blade guard to expose the blade. Measure the blade against the underside of the base using an engineers square to ensure it is at 90°.

**NOTE:** Check the square is not resting against a blade tooth and that the saw is securely in the 0° position.

If adjustment is necessary loosen the bevel adjustment locking knob (J), then loosen locking nut (K) and turn screw (L) clockwise to increase and anti-clockwise to decrease.

When correctly set resecure lock nut (K) without moving screw (L).



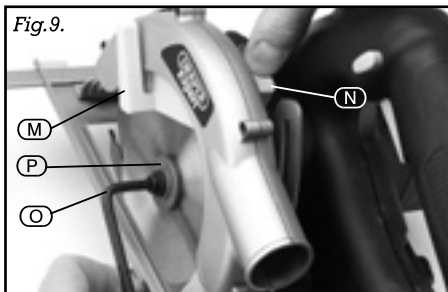


## OPERATION AND USE

**NOTE:** Remove the battery pack from the machine before carrying out adjustment, servicing or maintenance.

**CHANGING THE BLADE: (Fig. 9)**

Slide the blade guard (M) back, press the spindle lock lever (N) in and using the hex wrench (O) (clipped into the handle) loosen and remove the blade locking bolt in a clockwise direction. Remove the keyed flange (P). When fitting the new blade ensure the arrow on the blade matches the direction arrow on the lower blade guard.



**DUST EXTRACTION: (Fig. 10)**

Draper Tools recommend that the dust extraction facility be used in conjunction with a suitable vacuum cleaner to reduce the amount of airborne dust. (Draper Stock No. 64674)

**NOTE:** It is advisable to use a dust mask in addition to these methods.





## MAINTENANCE

Regular inspection and cleaning reduces the necessity for maintenance operations and will keep your tool's in good working condition. The tool bearings and gears are life-long lubricated. The motor must be correctly ventilated during tool operation. For this reason avoid blocking the air inlets with hands. After use disconnect the tool from the power supply and vacuum carefully through ventilation slots.

### DISPOSAL:

At the end of the machine's working life, or when it can no longer be repaired, ensure that it is disposed of according to the standard regulations of the country in which it is being used, and that the disposal operation is carried out by specialized personnel following authorised guidelines. In all circumstances:

- Do not abandon in the environment;
- Do not dispose of together with solid urban waste products;
- Contact the special recycling centres.

**WARNING - Disconnect the machine from the Battery before replacing any parts.**

### REPLACING THE POWER SUPPLY CABLE (1HR FAST CHARGER)

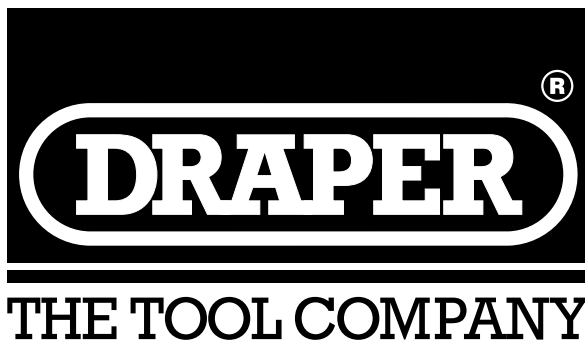
Check that the power supply cable is in good condition, if not have it replaced by an authorised person.



## OPTIONAL ACCESSORIES

| ACCESSORY/ SPARE | SIZE             | STOCK No. | PART No. |
|------------------|------------------|-----------|----------|
| TCT Saw Blade    | 140mm x 10mm 18T | 75293     | CSB140   |





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YOUR DRAPER STOCKIST

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