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DCS391

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Figure 1

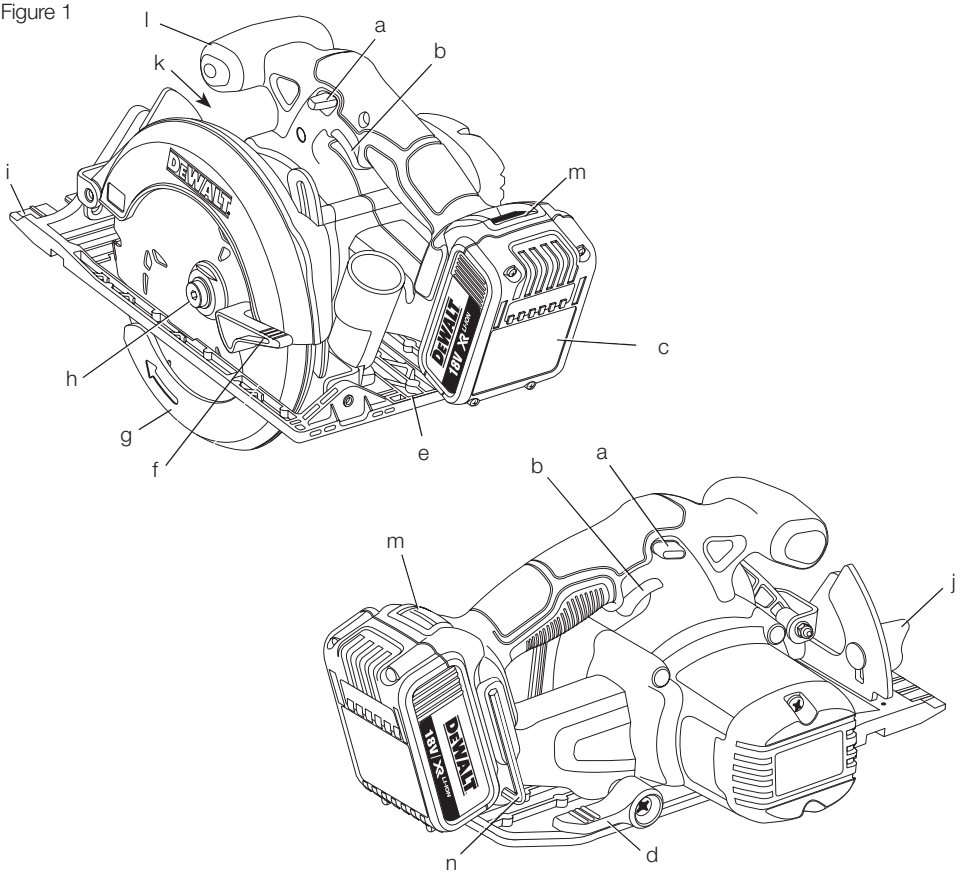


Figure 2

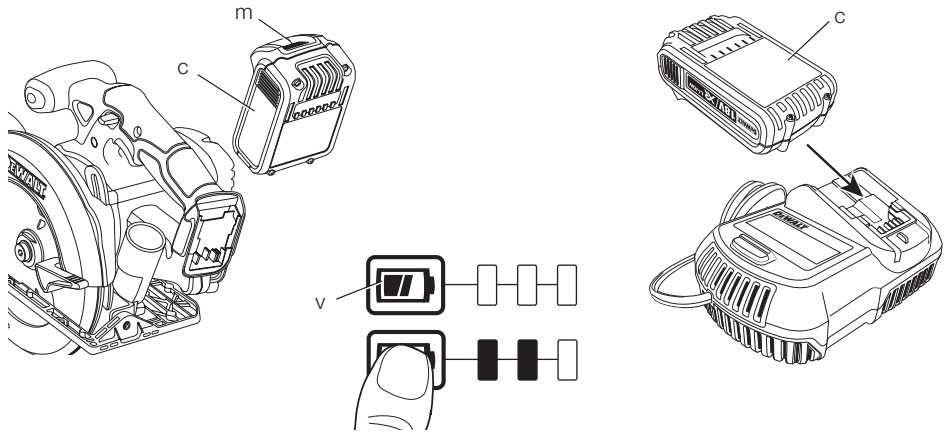


Figure 3

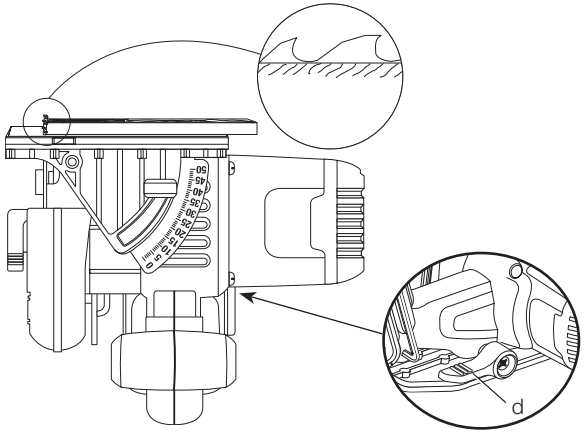


Figure 4

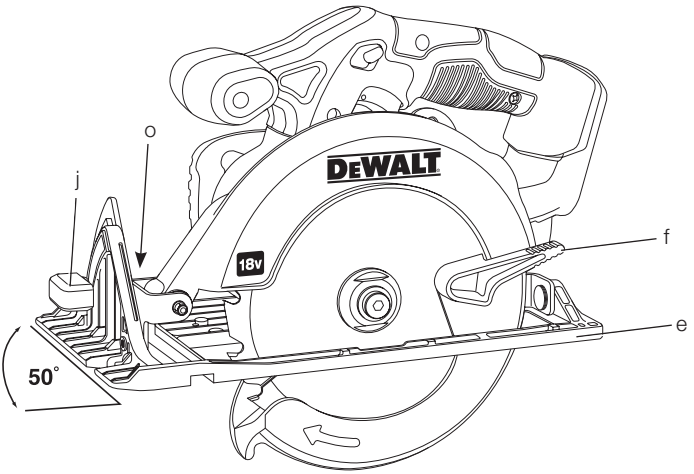


Figure 5

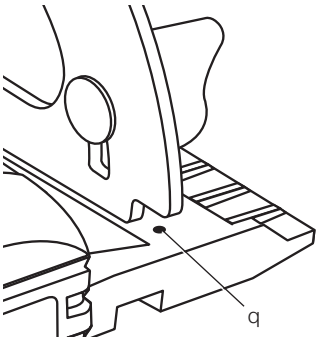


Figure 6

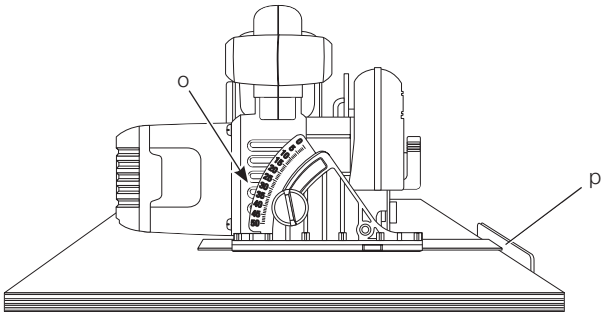


Figure 7

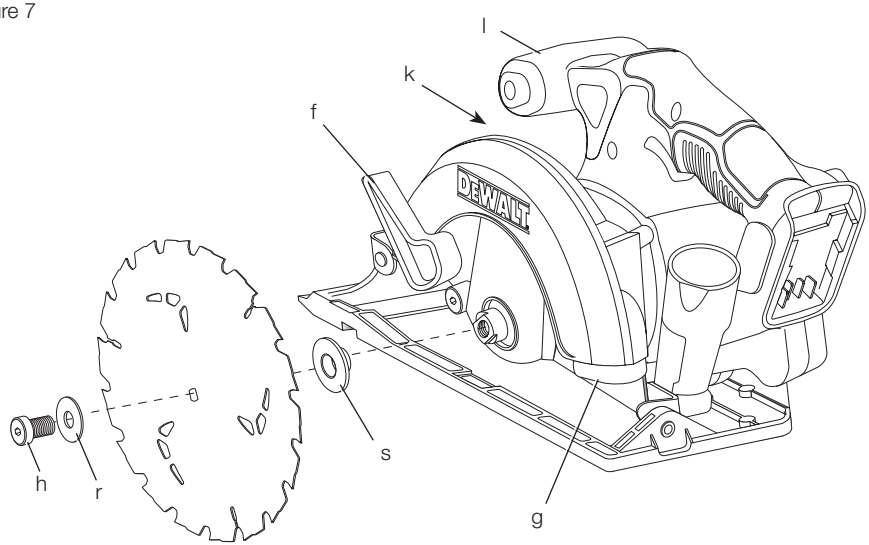


Figure 8

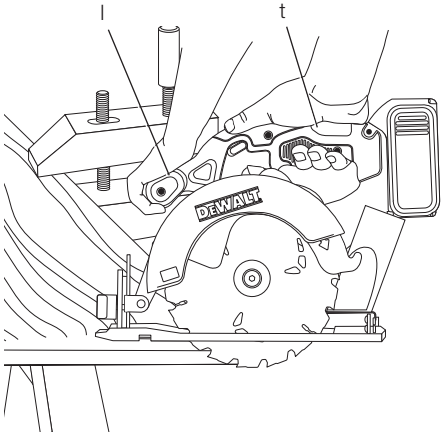
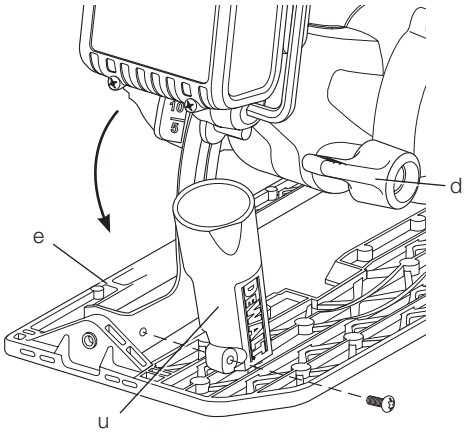


Figure 9



6-1/2" (165 mm) 18 V CORDLESS CIRCULAR SAW DCS391

Congratulations!

You have chosen a DEWALT tool. Years of experience, thorough product development and innovation make DEWALT one of the most reliable partners for professional power tool users.

Technical Data

		DCS391
Voltage	V_{DC}	18
No-load speed	min^{-1}	3700
Blade diameter	mm	165
Maximum depth of cut	mm	55
Blade bore	mm	20
Bevel angle adjustment		50°
Weight (without battery pack)	kg	2.9

Battery pack		DCB180	DCB181	DCB182
Battery type		Li-Ion	Li-Ion	Li-Ion
Voltage	V_{DC}	18	18	18
Capacity	A_h	3.0	1.5	4.0
Weight	kg	0.64	0.35	0.61

Charger		DCB105
Mains voltage	V_{AC}	220
Battery type		Li-Ion
Approx. charging time	min	30 (1.5 Ah battery packs) 55 (3.0 Ah battery packs) 70 (4.0 Ah battery packs)
Weight	kg	0.49

Definitions: Safety Guidelines

The definitions below describe the level of severity for each signal word. Please read the manual and pay attention to these symbols.

DANGER: *Indicates an imminently hazardous situation which, if not avoided,* ***will*** *result in* ***death or serious injury****.*

WARNING: *Indicates a potentially hazardous situation which, if not avoided,* ***could*** *result in* ***death or serious injury****.*

CAUTION: *Indicates a potentially hazardous situation which, if not avoided,* ***may*** *result in* ***minor or moderate injury****.*

NOTICE: *Indicates a practice* ***not related to personal injury*** *which, if not avoided,* ***may*** *result in* ***property damage****.*

Denotes risk of electric shock.

Denotes risk of fire.

WARNING: *To reduce the risk of injury, read the instruction manual.*

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 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 tool's 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.*

ADDITIONAL SPECIFIC SAFETY RULES

Safety Instructions for All Saws

a) ⚠ ***DANGER: Keep hands away from cutting area and the blade. Keep your second hand on auxiliary handle, or motor housing.*** *If both hands are holding the saw, they cannot be cut by the blade.*

b) ***Do not reach underneath the workpiece.*** *The guard cannot protect you from the blade below the workpiece.*

c) ***Adjust the cutting depth to the thickness of the workpiece.*** *Less than a full tooth of the blade teeth should be visible below the workpiece.*

d) ***Never hold piece being cut in your hands or across your leg. Secure the workpiece to a stable platform.*** *It is important to support the work properly to minimize body exposure, blade binding, or loss of control.*

e) ***Hold power 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 power tool "live" and shock the operator.*

f) ***When ripping always use a rip fence or straight edge guide.*** *This improves the accuracy of cut and reduces the chance of blade binding.*

g) ***Always use blades with correct size and shape (diamond versus round) of arbour holes.*** *Blades that do not match the mounting hardware of the saw will run eccentrically, causing loss of control.*

h) ***Never use damaged or incorrect blade washers or bolt.*** *The blade washers and bolt were specially designed for your saw, for optimum performance and safety of operation.*

Causes and Operator Prevention of Kickback

– *Kickback is a sudden reaction to a pinched, bound or misaligned saw blade, causing an uncontrolled saw to lift up and out of the workpiece toward the operator;*

– *When the blade is pinched or bound tightly by the kerf closing down, the blade stalls and the motor reaction drives the unit rapidly back toward the operator;*

– *If the blade becomes twisted or misaligned in the cut, the teeth at the back edge of the blade can dig into the top surface of the wood causing the blade to climb out of the kerf and jump back toward the operator.*

Kickback is the result of saw misuse and/or incorrect operating procedures or conditions and can be avoided by taking proper precautions as given below:

a) ***Maintain a firm grip with both hands on the saw and position your arms to resist kickback forces. Position your body to either side of the blade, but not in line with the blade.*** *Kickback could cause the saw to jump backwards, but kickback forces can be controlled by the operator, if proper precautions are taken.*

b) ***When blade is binding, or when interrupting a cut for any reason, release the trigger and hold the saw motionless in the material until the blade comes to a complete stop. Never attempt to remove the saw from the work or pull the saw backward while the blade is in motion or kickback may occur.*** *Investigate and take corrective actions to eliminate the cause of blade binding.*

c) ***When restarting a saw in the workpiece, centre the saw blade in the kerf and check that saw teeth are not engaged into the material.*** *If saw blade is binding, it may walk up or kickback from the workpiece as the saw is restarted.*

d) ***Support large panels to minimise the risk of blade pinching and kickback.*** *Large panels tend to sag under their own weight. Supports must be placed under the panel on both sides,*

near the line of cut and near the edge of the panel.

e) ***Do not use dull or damaged blades.*** *Unsharpened or improperly set blades produce narrow kerf causing excessive friction, blade binding and kickback.*

f) ***Blade depth and bevel adjusting locking levers must be tight and secure before making cut.*** *If blade adjustment shifts while cutting, it may cause binding and kickback.*

g) ***Use extra caution when making a "plunge cut" into existing walls or other blind areas.*** *The protruding blade may cut objects that can cause kickback.*

Safety Instructions for Saws with a Pendulum Blade Guard

a) ***Check lower guard for proper closing before each use. Do not operate the saw if lower guard does not move freely and close instantly. Never clamp or tie the lower guard into the open position.*** *If saw is accidentally dropped, lower guard may be bent. Raise the lower guard with the retracting handle and make sure it moves freely and does not touch the blade or any other part, in all angles and depths of cut.*

b) ***Check the operation of the lower guard spring. If the guard and the spring are not operating properly, they must be serviced before use.*** *Lower guard may operate sluggishly due to damaged parts, gummy deposits, or a build-up of debris.*

c) ***Lower guard should be retracted manually only for special cuts such as "plunge cuts" and "compound cuts". Raise lower guard by retracting handle and as soon as blade enters the material, the lower guard must be released.*** *For all other sawing, the lower guard should operate automatically.*

d) ***Always observe that the lower guard is covering the blade before placing saw down on bench or floor.*** *An unprotected, coasting blade will cause the saw to walk backwards, cutting whatever is in its path. Be aware of the time it takes for the blade to stop after switch is released.*

Additional Safety Instructions for Circular Saws

- ***Wear ear protectors.*** *Exposure to noise can cause hearing loss.*
- ***Wear a dust mask.*** *Exposure to dust particles can cause breathing difficulty and possible injury.*
- ***Do not use blades of larger or smaller diameter than recommended.*** *For the proper blade rating refer to the technical data. Use only the blades specified in this manual, complying with EN 847-1.*
- ***Never use abrasive cut-off wheels****.*
- ***Do not use water feed attachments.***
- ***Use clamps or another practical way to secure and support the workpiece to a stable platform.*** *Holding the work by hand or against your body leaves it unstable and may lead to loss of control.*

Residual Risks

The following risks are inherent to the use of circular saws.

– *Injuries caused by touching the rotating parts or hot part of the tool.*

In spite of the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These are:

– *Impairment of hearing.*

– *Risk of squeezing fingers when changing the accessory.*

– *Health hazards caused by breathing dust developed when working in wood.*

Markings on Tool

The following pictograms are shown on the tool:



Read instruction manual before use.



Wear ear protection.



Wear eye protection.

DATE CODE POSITION

The Date Code, which also includes the year of manufacture, is printed into the housing surface that forms the mounting joint between tool and battery.

Example:

2012 XX XX

Year of Manufacture

Important Safety Instructions for All Battery Chargers

SAVE THESE INSTRUCTIONS: *This manual contains important safety and operating instructions for the DCB105 battery charger.*

- *Before using the charger, read all instructions and cautionary markings on charger, battery pack and product using the battery pack.*



WARNING: *Shock hazard. Do not allow any liquid to get inside charger. Electric shock may result.*



CAUTION: *Burn hazard. To reduce the risk of injury, charge only DEWALT rechargeable battery packs. Other types of batteries may overheat and burst resulting in personal injury and property damage.*



CAUTION: *Children should be supervised to ensure that they do not play with the appliance.*

NOTICE: *Under certain conditions, with the charger plugged in to the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminum foil or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.*

- ***DO NOT attempt to charge the battery pack with any chargers other than the ones in this manual.*** *The charger and battery pack are specifically designed to work together.*
- ***These chargers are not intended for any uses other than charging DEWALT rechargeable batteries.*** *Any other uses may result in risk of fire, electric shock or electrocution.*
- ***Do not expose charger to rain or snow.***
- ***Pull by plug rather than cord when disconnecting charger.*** *This will reduce risk of damage to electric plug and cord.*
- ***Make sure that cord is located so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.***
- ***Do not use an extension cord unless it is absolutely necessary.*** *Use of improper extension cord could result in risk of fire, electric shock or electrocution.*
- ***When operating a charger outdoors, always provide a dry location and use an extension cord suitable for outdoor use.*** *Use of a cord suitable for outdoor use reduces the risk of electric shock.*
- ***Do not block the ventilation slots on the charger. The ventilation slots are located on the top and sides of the charger.*** *Place the charger in a position away from any heat source.*
- ***Do not operate charger with damaged cord or plug*** *— have them replaced immediately.*
- ***Do not operate charger if it has received a sharp blow, been dropped or otherwise damaged in any way.*** *Take it to an authorised service centre.*
- ***Do not disassemble the charger; take it to an authorised service centre when service or repair is required.*** *Incorrect reassembly may result in a risk of electric shock, electrocution or fire.*
- *In case of damaged power supply cord the supply cord must be replaced immediately by the manufacturer, its service agent or similar qualified person to prevent any hazard.*
- ***Disconnect the charger from the outlet before attempting any cleaning. This will reduce the risk of electric shock.*** *Removing the battery pack will not reduce this risk.*
- ***NEVER*** *attempt to connect 2 chargers together.*
- ***The charger is designed to operate on standard 220 V household electrical power. Do not attempt to use it on any other voltage.*** *This does not apply to the vehicular charger.*

SAVE THESE INSTRUCTIONS

Chargers

The DCB105 charger accepts 10.8 V, 14.4 V and 18 V Li-Ion (DCB121, DCB123, DCB140, DCB141, DCB142, DCB180, DCB181 and DCB182) battery packs.

This charger requires no adjustment and is designed to be as easy as possible to operate.

Charging Procedure (fig. 2)

1. Plug the charger into an appropriate 230 V outlet before inserting the battery pack.
2. Insert the battery pack (c) into the charger, making sure the pack is fully seated in the

charger. The red (charging) light will blink continuously indicating that the charging process has started.

3. The completion of charge will be indicated by the red light remaining ON continuously. The pack is fully charged and may be used at this time or left in the charger.

NOTE: To ensure maximum performance and life of Li-Ion batteries, fully charge the pack before first use.

Charging Process

Refer to the table below for the state of charge of the battery pack.

State of charge	
charging	— — — —
fully charged	————————
hot/cold pack delay	— • — • — • — •
problem pack or charger	• • • • • • • • • • • •
problem powerline	•• •• •• •• •• ••

This charger will not charge a faulty battery pack. The charger will indicate faulty battery by refusing to light or by displaying problem pack or charger blink pattern.

NOTE: This could also mean a problem with a charger.

If the charger indicates a problem, take the charger and battery pack to be tested at an authorised service centre.

Hot/Cold Pack Delay

When the charger detects a battery that is too hot or too cold, it automatically starts a hot/cold pack delay, suspending charging until the battery has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery life.

XR Li-Ion tools are designed with an Electronic Protection System that will protect the battery against overloading, overheating or deep discharge.

The tool will automatically turn off if the Electronic Protection System engages. If this occurs, place the Li-Ion battery on the charger until it is fully charged.

A cold battery pack will charge at about half the rate of a warm battery pack. The battery pack will charge at that slower rate throughout the entire charging cycle and will not return to maximum charge rate even if the battery warms.

Important Safety Instructions for All Battery Packs

When ordering replacement battery packs, be sure to include the catalog number and voltage.

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below and then follow the charging procedures outlined.

READ ALL INSTRUCTIONS

- ***Do not charge or use the battery pack in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.*** *Inserting or removing the battery pack from the charger may ignite the dust or fumes.*
- ***Never force the battery pack into charger. Do not modify the battery pack in any way to fit into a non-compatible charger as battery pack may rupture causing serious personal injury.***
- *Charge the battery packs only in designated DEWALT chargers.*
- ***DO NOT*** *splash or immerse in water or other liquids.*
- ***Do not store or use the tool and battery pack in locations where the temperature may reach or exceed 40 °C (105 °F) (such as outside sheds or metal buildings in summer).***
- *For best results, make sure the battery pack is fully charged before use.*



WARNING: *Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert it into the charger. Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocution may result. Damaged battery packs should be returned to the service centre for recycling.*



CAUTION: When not in use, place tool on its side on a stable surface where it will not cause a tripping or falling hazard. *Some tools with large battery packs will stand upright on the battery pack but may be easily knocked over.*

SPECIFIC SAFETY INSTRUCTIONS FOR LITHIUM ION (Li-Ion)

- ***Do not incinerate the battery pack even if it is severely damaged or is completely worn out.*** *The battery pack can explode in a fire. Toxic fumes and materials are created when lithium ion battery packs are burned.*
- ***If battery contents come into contact with the skin, immediately wash the area with mild soap and water.*** *If the battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, the battery electrolyte is composed of a mixture of liquid organic carbonates and lithium salts.*
- ***Contents of opened battery cells may cause respiratory irritation.*** *Provide fresh air. If symptoms persists, seek medical attention.*



WARNING: *Burn hazard. Battery liquid may be flammable if exposed to spark or flame.*

Battery Pack

BATTERY TYPE

The DCS391 operates on 18 volt battery packs.

The DCB180, DCB181 or DCB182 battery packs may be used. Refer to ***Technical Data*** for more information.

Storage Recommendations

1. The best storage place is one that is cool and dry away from direct sunlight and excess heat or cold. For optimum battery performance and life, store battery packs at room temperature when not in use.
2. For long storage, it is recommended to store a fully charged battery pack in a cool, dry place out of the charger for optimal results.

NOTE: Battery packs should not be stored completely depleted of charge. The battery pack will need to be recharged before use.

Labels on Charger and Battery Pack

In addition to the pictographs used in this manual, the labels on the charger and the battery pack show the following pictographs:



Read instruction manual before use.



Charging.



Fully charged.



Hot/cold pack delay.



Problem pack or charger.



Problem powerline.



Do not probe with conductive objects.



Do not charge damaged battery packs.



Use only with DEWALT battery packs. Others may burst, causing personal injury and damage.



Do not expose to water.



Have defective cords replaced immediately.



Charge only between 4 °C and 40 °C.



Discard the battery pack with due care for the environment.



Do not incinerate the battery pack.



Charges Li-Ion battery packs.



See ***Technical Data*** for charging time.



Only for indoor use.

Package Contents

The package contains:

1 Cordless circular saw
1 24-tooth blade
1 Hex key
1 Rip Guide
1 Plastic bag:
1 Dust extraction port

1 M4 X 18 Cap screw
2 Li-Ion battery packs (L2, M2 models)
1 Kitbox
1 Charger
1 Instruction manual
1 Exploded drawing

NOTE: Battery packs, chargers and kitboxes are not included with N-models.

- *Check for damage to the tool, parts or accessories which may have occurred during transport.*
- *Take the time to thoroughly read and understand this manual prior to operation.*

Description (fig. 1, 4, 6)

WARNING: *Never modify the power tool or any part of it. Damage or personal injury could result.*

a. Trigger switch lock-off button
b. Trigger switch
c. Battery pack
d. Depth adjustment lever
e. Shoe
f. Lower blade guard retracting lever
g. Lower blade guard
h. Blade clamping screw
i. Kerf indicator
j. Bevel adjustment knob
k. Blade lock button
l. Auxiliary handle
m. Battery release button
n. Hex key
o. Rip guide knob
p. Rip guide

INTENDED USE

Your DCS391 cordless circular saw has been designed for professional sawing applications.

DO NOT use under wet conditions or in presence of flammable liquids or gases.

These heavy-duty circular saws are professional power tools. **DO NOT** let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- This product is not intended for use by persons (including children) suffering from diminished physical, sensory or mental abilities; lack of experience, knowledge or skills unless they are supervised by a person responsible for their safety. Children should never be left alone with this product.

Electrical Safety

The electric motor has been designed for one voltage only. Always check that the battery pack voltage corresponds to the voltage on the rating plate. Also make sure that the voltage of your charger corresponds to that of your mains.

Your DEWALT charger is double insulated in accordance with EN 60335; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced by a specially prepared cord available through the DEWALT service organization.

Using an Extension Cable

An extension cord should not be used unless absolutely necessary. Use an approved extension cable suitable for the power input of your charger (see ***Technical Data***). The minimum conductor size is 1 mm^2; the maximum length is 30 m.

When using a cable reel, always unwind the cable completely.

ASSEMBLY AND ADJUSTMENTS

WARNING: *Prior to assembly and adjustment, always remove the battery pack. Always switch off the tool before inserting or removing the battery pack.*

WARNING: *Use only DEWALT battery packs and chargers.*

Inserting and Removing the Battery Pack from the Tool (fig. 2)

NOTE: For best results, make sure your battery pack is fully charged. The light will shut off without warning when the battery is fully discharged.

TO INSTALL THE BATTERY PACK INTO THE TOOL HANDLE

1. Align the battery pack (c) with the rails inside the tool's handle (fig. 2).
2. Slide it into the handle until the battery pack is firmly seated in the tool and ensure that it does not disengage.

TO REMOVE THE BATTERY PACK FROM THE TOOL

1. Press the battery release button (m) and firmly pull the battery pack out of the tool handle.
2. Insert battery pack into the charger as described in the charger section of this manual.

FUEL GAUGE BATTERY PACKS (FIG. 2)

Some DEWALT battery packs include a fuel gauge which consists of three green LED lights that indicate the level of charge remaining in the battery pack.

To actuate the fuel gauge, press and hold the fuel gauge button (v). A combination of the three green LED lights will illuminate designating the level of charge left. When the level of charge in the battery is below the usable limit, the fuel gauge will not illuminate and the battery will need to be recharged.

NOTE: The fuel gauge is only an indication of the charge left on the battery pack. It does not indicate tool functionality and is subject to variation based on product components, temperature and end-user application.

Trigger Switch (fig. 1)

WARNING: *This tool has no provision to lock the trigger switch in the ON position and should never be locked ON by any other means.*

Release the trigger switch lock-off button (a) by pressing the button as shown. Pull the trigger switch (b) to turn the motor on. Releasing the trigger switch turns the motor off.

Depth of Cut Adjustment (fig. 1, 3)

1. Loosen the depth adjustment lever (d).
2. Move the shoe (e) to obtain the correct depth of cut.
3. Tighten the depth adjustment lever (d).
4. For optimal results, allow the saw blade to protrude from the workpiece by about 3 mm (see inset in figure 3).

Bevel Adjustment (fig. 4)

The bevel angle can be adjusted between 0° and 50°.

1. Loosen the bevel adjustment knob (j).
2. Set the bevel angle by tilting the saw shoe (e) until the mark indicates the desired angle on the scale.
3. Tighten the bevel adjustment knob (j).

Shoe Adjustment for 90° Cuts (fig. 1, 5)

1. Adjust the saw to 0° bevel.
2. Retract the blade guard using the lever (f) and place the saw on the blade side.
3. Loosen the bevel adjustment knob (j).
4. Place a square against the blade and shoe to adjust the 90° setting.
5. Turn the calibration screw (q) so that the shoe will stop at the proper angle.
6. Confirm the accuracy of the setting by checking the squareness of an actual cut on a scrap piece of material.

Rip Guide Installation and Usage (fig. 6)

Ripping is the process of cutting wider boards into narrow strips, cutting the grain lengthways. Hand guiding is more difficult for this type of sawing and the use of the rip guide is recommended.

WARNING: *For your own safety, read the instruction manual before using any accessory. Failure to heed these warnings may result in personal injury and serious damage to the saw and accessory. When servicing this tool, only use identical replacements.*

ASSEMBLY

1. Loosen the rip guide knob (o).
2. Insert the rip guide (p) as shown in figure 6.
3. Tighten the rip guide knob (o) securely.

Use the supplied rip guide only with the DCS391 circular saw. Use of this rip guide with other saws may increase the risk of kickback and injury.

Before making a cut, ensure the rip fence is securely fastened to the tool.

After installing the rip guide on the saw or after moving the guide to change the rip width setting, check the operation of the lower guard before starting the saw and making a cut to make sure that the rip guide does not affect proper guard operation.

Replacing the Saw Blade (fig. 7)

1. Engage the blade lock button (k) and unscrew the blade clamping screw (h) by turning counterclockwise using the hex key supplied with the tool.
2. Retract the lower blade guard (g) using the lever (f) and replace the blade. Reinstall the washers (r, s) in the correct position.
3. Check the direction of rotation of the blade.
4. Thread on the blade clamping screw (h) by hand to hold the washer in position. Turn clockwise.

5. Press the blade lock button (k) while turning the spindle until the blade stops rotating.
6. Tighten the blade clamping screw firmly using the hex key.

Blades

WARNING: *To minimize the risk of eye injury, always use eye protection. Carbide is a hard but brittle material. Foreign objects in the workpiece such as wire or nails can cause tips to crack or break. Only operate saw when proper saw blade guard is in place. Mount blade securely in proper rotation before using, and always use a clean, sharp blade.*

WARNING: *Do not cut ferrous metals (steel), masonry, glass, masonry-type planking, cement board or tile with this saw.*

Do not use abrasive wheels or blades. A dull blade will cause slow inefficient cutting, overload on the saw motor, excessive splintering, and could increase the possibility of kickback.

If you need assistance regarding blades, please call contact your local service center listed on the back of the manual.

Prior to Operation

- Make sure your battery pack is (fully) charged.
- Make sure the guards have been mounted correctly. The saw blade guard must be in closed position.
- Make sure the saw blade rotates in the direction of the arrow on the blade.
- Do not use excessively worn saw blades.

OPERATION

WARNING: Turn unit off and disconnect battery pack before installing and removing accessories, before adjusting or when making repairs. *Lock the trigger switch when the tool is not in use and when storing the tool.*

WARNING: Always wear proper personal hearing protection. *Under some conditions and duration of use, noise from this product may contribute to hearing loss.*

Instructions for Use

WARNING:

- *Always observe the safety instructions and applicable regulations.*
- *Ensure the material to be sawn is secured in place.*
- *Apply only a gentle pressure to the tool and do not exert side pressure on the saw blade. If possible, work with the saw shoe pressed against the workpiece. This prevents damage to the blade and stops the tool from jerking and vibrating.*
- *Avoid overloading.*
- *Let the blade run freely for a few seconds before starting the cut.*

Proper Hand Position (fig. 8)

WARNING: *To reduce the risk of serious personal injury,* ***ALWAYS*** *use proper hand position as shown.*

WARNING: *To reduce the risk of serious personal injury,* ***ALWAYS*** *hold securely in anticipation of a sudden reaction.*

Hold the tool by the main grip (t) and the auxiliary handle (l) to guide the saw properly.

Switching On and Off (fig. 1)

For safety reasons the trigger switch (b) of your tool is equipped with a lock-off button (a).

Press the lock-off button to unlock the tool.

To run the tool, press the trigger switch (b). As soon as the trigger switch is released the lock-off switch is automatically activated to prevent unintended starting of the machine.

NOTICE: *Do not switch the tool ON or OFF when the saw blade touches the workpiece or other materials.*

Guiding the Tool (fig. 1)

- For optimum results, clamp the workpiece bottom up.
- Use the kerf indicator (i) to follow the line drawn on the workpiece. The kerf indicator lines up with the left side of the saw blade when set to 50° bevel. The kerf indicator lines up with the right side of the saw blade when set to 0° bevel.



Dust Extraction (fig. 9)

A dust extraction port (u) is supplied with your tool.

- Always use a vacuum extractor designed in compliance with the applicable Directives regarding dust emission when sawing wood. Vacuum hoses of most common vacuum cleaners will fit directly into the dust extraction spout.

TO INSTALL DUST EXTRACTION PORT (FIG. 9)

1. Fully loosen depth adjustment lever (d).
2. Place shoe (e) in the lowest position.
3. Align dust extraction port (u) against the bracket on the shoe as shown.
4. Align tab on the dust extraction port with the threaded hole on the bracket.
5. Insert screw and tighten securely.

MAINTENANCE

Your DEWALT power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

WARNING: To reduce the risk of serious personal injury, turn tool off and disconnect battery pack before making any adjustments or removing/installing attachments or accessories. *An accidental start-up can cause injury.*

The charger and battery pack are not serviceable. There are no serviceable parts inside.

Lubrication

Your power tool requires no additional lubrication.

Cleaning

WARNING: *Blow dirt and dust out of the main housing and the guard area with dry air as often as dirt is seen collecting in and around the air vents. Wear approved eye protection and approved dust mask when performing this procedure.*

LOWER GUARD

The lower guard should always rotate and close freely from a fully open to fully closed position. Always check for correct operation before cutting by fully opening the guard and letting it close. If the guard closes slowly or not completely it will need cleaning or servicing. Do not use the saw until it functions correctly. To clean the guard, use dry air or a soft brush to remove all accumulated sawdust or debris from the path of the guard and from around the guard spring. Should this not correct the problem, it will need to be serviced by an authorized service center.

WARNING: *Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.*

CHARGER CLEANING INSTRUCTIONS

WARNING: *Shock hazard. Disconnect the charger from the AC outlet before cleaning. Dirt and grease may be removed from the exterior of the charger using a cloth or soft non-metallic brush. Do not use water or any cleaning solutions.*

Optional Accessories

WARNING: *Since accessories, other than those offered by DEWALT, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only DEWALT, recommended accessories should be used with this product.*

DO NOT USE WATER FEED ATTACHMENTS WITH THIS SAW.

VISUALLY EXAMINE CARBIDE BLADES BEFORE USE. REPLACE IF DAMAGED.

Consult your dealer for further information on the appropriate accessories.

Protecting the Environment

Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your DEWALT product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.



Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

DEWALT provides a facility for the collection and recycling of DEWALT products once they have reached the end of their working life. To take advantage of this service please return your product to any authorised repair agent who will collect them on our behalf.

You can check the location of your nearest authorised repair agent by contacting your local DEWALT office at the address indicated in this manual. Alternatively, a list of authorised DEWALT repair agents and full details of our after-sales service and contacts are available on the Internet at: **www.2helpU.com**.



Rechargeable Battery Pack

This long life battery pack must be recharged when it fails to produce sufficient power on jobs which were easily done before. At the end of its technical life, discard it with due care for our environment:

- Run the battery pack down completely, then remove it from the tool.
- Li-Ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.

18V锂电充电式圆锯
DCS391

祝贺您!

感谢您选择得伟工具。凭借多年的经验以及全面的产品开发与创新，得伟已经成为专业电动工具使用者最值得信赖的伙伴之一。

如果你对这款或者任何的得伟工具有任何的疑问或者意见，请致电：800-820-4221或者 400-620-4221

技术数据

		DCS391
电压	伏特（直流）	18
空载转速	转 / 分	3700
锯片	毫米	165
最大锯切深度	毫米	55
锯片孔径	毫米	20
坡口调节范围		50°
重量（不含电池组）	千克	2.9

电池组	DCB180	DCB181	DCB182
类型	锂离子	锂离子	锂离子
电压 伏特	18	18	18
容量 安时	3.0	1.5	4.0
重量 千克	0.64	0.35	0.61

充电器	DCB105
电压	220V
类型	锂离子
充电时间	30分钟 (1.5安时电池组) 55分钟 (3.0安时电池组) 70分钟 (4.0 安时电池组)
Weight	0.49

定义：安全准则

下列定义解释了各警示词的严重程度。请仔细阅读本手册并注意这些符号。

危险：指示紧急的危险情形，如不加以避免，将导致死亡或严重伤害。

警告：指示潜在的危险情形，如不加以避免，可能导致死亡或严重伤害。

警示：指示潜在的危险情形，如不加以避免，可能导致轻度或中度伤害。

注意：指示不涉及人身伤害的情况，如不加以避免，可能导致财产损失。

表示有触电风险。

表示存在火灾风险。

警告：为降低伤害风险，请阅读使用手册。

电动工具安全通则

请保存所有警告和指示，以备将来查阅。

在所有以下列举的警告中术语“电动工具”指用电驱动（有线）电动工具或电池驱动（无线）电动工具。

警告！请仔细阅读所有安全警告和指示说明。不遵循下列的警告和指示则可能会导致触电、火灾和/或严重伤害。

1、工作场所安全

a） 保持工作场地清洁和明亮。混乱和黑暗的场地会引发事故。

b） 不要在易爆环境，如有易燃液体、气体或粉尘的环境下操作电动工具。电动工具产生的火花会点燃粉尘或气体。

c） 让儿童和旁观者离开后操纵电动工具。分心会使你放松控制。

2、电气安全

a） 电动工具插头必须与插座相配。不能以任何方式改装插头。需接地的电动工具不能使用任何转换插头。未经改装的插头和相配的插座将减少触电危险。

b） 避免人体接触接地表面，如管道、散热片和冰箱。如果你身体接地会增加触电危险。

c） 不得将电动工具暴露在雨中或潮湿环境中。水进入电动工具将增加触电危险。d） 不得滥用电线。绝不能用电线搬运、拉动电动工具或拔出其插头。让电动工具远离热、油、锐边或运动部件。受损或缠绕的电线会增加触电危险。

e） 当在户外使用电动工具时，使用适合户外使用的外接电线。适合户外使用的电线将减少触电危险。

f） 如果在潮湿的环境中使用电动工具，请使用漏电保护装置（RCD）。使用此装置可降低触电危险。

3) 人身安全

a） 保持警觉，当操作电动工具时关注所从事的操作并保持清醒。切勿在有疲倦、药物、酒精或治疗反应下操作电动工具。在操作电动工具期间精力分散会导致严重人身伤害。

b） 使用安全装置。始终配戴护目镜。安全装置，诸如适当条件下的防尘面具、防滑安全鞋、安全帽、听力防护等装置能减少人身伤害。

c） 避免突然起动。确保开关在插入插头时处于关断位置。手指放在已接通电源的开关上或开关处于接通时插入头可能会导致危险。

d） 在电动工具接通之前，拿掉所有调节钥匙或扳手。遗留在电动工具旋转零件上的扳手或钥匙会导致人身伤害。

e） 手不要伸得太长。时刻注意脚下和身体平衡。这样在意外情况下能很好地控制电动工具。

f） 着装适当。不要穿宽松衣服或佩带饰品。让你的头发、衣服和袖子远离运动部件。宽松衣服、佩饰或长发可能会卷入运动部件。

g） 如果提供了与排屑装置、集尘设备连接用的装置，则确保他们连接完好且使用得当。使用这些装置可减少碎屑引起的危险。

4）电动工具使用和注意事项

a） 不要滥用电动工具，根据用途使用适当的电动工具。选用适当的设计额值的电动工具会使你工作有效、更安全。

b） 如果开关不能接通或关断工具电源，则不能使用该电动工具。不能用开关来控制的电动工具是危险的且必须进行修理。

c） 在进行任何调节、更换附件或贮存电动工具之前，必须从电源上拔掉插头和 / 或将电池盒脱开电源。这种防护性措施将减少电动工具突然起动的危险。

d） 将闲置电动工具贮存在儿童所及范围之外，并且不要让不熟悉电动工具或对这些说明不了解的人操

作电动工具。电动工具在未经训练的用户手中是危险的。

e） 保养电动工具。检查运动部件的安装偏差或卡住、零件破损情况和影响电动工具运行的其它条件。如有损坏，电动工具必须在使用前修理好。许多事故由维护不良的电动工具引发。

f） 保持切削刀具锋利和清洁。保养良好的有锋利切削刃的刀具不易卡住而且容易控制。

g） 按照使用说明书以及打算使用的电动工具的特殊类型要求的方式，考虑作业条件和进行的作业来使用电动工具、附件和工具的刀头等。电动工具用作那些与要求不符的操作可能会导致危险情况。

5、电池式工具使用和注意事项

a） 只用制造商规定的充电器充电。将适用于某种电池盒的充电器用到其他电池盒时会发生着火危险。

b） 只使用配有特制电池盒的电动工具。使用其他电池盒会发生损坏和着火危险。

c） 当电池盒不用时，将它远离其他金属物体，例如回形针、硬币、钥匙、钉子、螺钉或其他小金属物体，以防一端与另一端连接。电池端部短路会引起燃烧或者火灾。

d） 在滥用条件下，液体会从电池中溅出；避免接触。如果无意间碰到了，用水冲洗。如果液体碰到了眼睛，还要寻求医疗帮助。从电池中溅出的液体会发生腐蚀或燃烧。

6、维修

让专业维修人员使用特定的备件维修电动工具。这将保证所维修的电动工具的安全。

特殊安全附则

电圆锯通用安全守则

危险：

a） 让手始终远离锯割区域和锯片。你的另一只手始终握住辅助手柄或电动机机壳。如果双手都握住圆锯，就不会被锯片伤害。

b） 不要接触工件的下面。护罩不能防止工件下方巨片的危险。

c） 将锯割深度调至工件的厚度。能看到在工件下露出的锯齿应不到一个齿高。

d） 不得手持工件或将工件架在腿上进行锯割，应将工件夹紧在一个稳定的平台上。适当支持工件对减少人身伤害、锯片卡住或操作失控是至关重要的。

e） 在锯割工具进行操作时邮可能碰到暗线或自身电线的场合，须通过绝缘握持面来握住电动工具。“带电”电线也会使工具的裸露金属部分带电，从而碰到使操作者触电。

f） 当作劈锯时，始终使用劈锯护栏和直边导向器。这样改善了锯割精度并减少了锯片卡住的几率。

g） 始终使用尺寸和轴心形状（菱形或圆形）得当的锯片。如果锯片与圆锯夹装部件不符将引起偏心运转而导致失控。

h） 不得使用损坏的和尺寸不符的垫圈和螺栓。为改善作业和安全运行，锯片垫圈及螺栓是为圆锯专门设计的。

回弹的原因和操作者的防护：

– 回弹是当锯片受挤压、被卡住或偏离中心的突然反作用，使圆锯不受控制地抬起并脱离工件冲向操作者。

– 当锯片受挤压或被收拢地切口紧紧卡住时，锯片堵转且电动机反作用力驱使整机朝操作者快速弹回。

– 如果锯片发生扭曲或偏离锯割面，锯片后边缘上的锯齿会挖入木材上表面从而引起锯片爬出切口并朝操作者回弹。

回弹是误用圆锯和/或不正确操作程序或条件导致的结果，采取以下适当预防措施可避免回弹。

a） 双手紧握圆锯上的把手，双臂放置得能抵住回弹力。身体处于圆锯得任意一侧而不对准锯片。回弹会导致圆锯的向后弹起，但如果采取了适当的防备措施，回弹力可以受操作者的控制。

b） 当锯片卡住，或因任何原因导致的锯割中断时，释放开关扳机并握持圆锯在材料中不移动，直到锯片完全停止。不得在锯片处于运转或可能发生回弹情况下尝试将圆锯从工件中拿走或向后拉动圆锯。调查并采取正确的措施以消除锯片卡住的原因。

c） 当在工件中重新起动圆锯时，将锯片对准切口并检查锯齿是否插入材料。如果锯片卡住了，工具重新起动时，锯片会爬出工件或从工件上回弹。

d） 支撑大型板料以减少锯片手挤压和回弹得危害。大型板料因自重向下垂，支撑物必须放置在板料下面的两侧，靠近切割线和板料边缘都要放置。

e） 不得使用钝的或破损的锯片。没有开锋的或安装不当的锯片会形成窄小的锯痕，从而导致剧烈摩擦、锯片卡住和回弹。

f） 锯割之前，锯割深度和倾角调节锁定钮必须旋紧和紧固。如果锯割时锯片调节器发生移动，可能会引起锯片卡住和回弹。

g） 当对现存墙体或其他盲区进行“插入式锯割”时要格外小心。伸出锯片可能会锯割到引起回弹的物体。

摆动式锯片护罩安全须知

a） 每次使用前，检查下护罩闭合是否自如。如果下护罩不能迅速回复，则不得操作圆。不得将下护罩夹住或系绑在开启位置。如果圆锯突然跌落，下护罩可能会弯曲变形。用回缩手柄抬起下护罩，确信在任何锯割角度和深度下护罩回缩自如，且碰不会触及锯片和任何其它零件。

b） 检查下护罩弹簧的工作情况，如果护罩及弹簧不能正常工作，必须在使用前对其进行维修。下护罩可能因零件损害、胶质沉积或废屑堆积而运动迟缓。

c） 仅当特殊锯割，例如“插入式锯割”和“组合式锯割”，才应用手动方式抬起下护罩。用回缩手柄抬起下护罩，锯片刚一进入到锯割材料就必须释放下护罩。对所有其他锯割作业，下护罩应自动回复。

d） 在把圆锯放置在工作台或地板上之前始终能看到下护罩式遮住锯片的。未经防护的、邮惯性的锯片会引起圆锯后退，锯割到其行程上的物体，要考虑到开关释放后锯片停下来的时间。

电圆锯安全附则

佩戴听力保护器。暴露在噪音中会损伤听力。

佩戴防尘面罩。灰尘颗粒会导致呼吸困难或损伤。

请勿使用大于或小于推荐直径的锯片。参考技术资料选择合适的锯片。仅使用本手册规定的锯片，符合EN847-1要求。

禁止使用研磨切割轮片。

禁止使用给水配件。

请使用夹钳或其它切实可行的方法来固定和支撑工件，将其固定到稳定的工作台上。用手握住工件或用身体抵住工件并不稳定，可能会导致工件失控。

残余风险

以下风险是使用电圆锯所固有的：

– 接触旋转部件或灼热部件造成的伤害。

尽管实行了相关的安全法规、采用了安全装置，某些残余风险是不可避免的，它们是：

– 听力损伤

– 更换配件时挤伤手指的风险

– 锯割木材时，吸入粉尘导致的健康风险

工具上的标识

本工具上附带下列图形：



使用前阅读使用手册。



佩戴听力保护器



佩戴护目镜

日期码的位置

日期码包含制造年份，已经印在工具外壳上，位置介于工具和电池之间的接合处。

例如：

2012 XX XX

制造年份

适用于所有电池充电器的重要安全守则

请妥善保管好这些说明：本手册含有适用于DCB105电池充电器的重要安全和操作守则。

使用充电器之前，请阅读充电器、电池组以及使用电池组的产品的所有守则和注意标示。

警告：触电危险。切勿使任何液体进入充电器。这可能导致触电。

警示：灼伤危险。要降低受伤的风险，只使用得伟充电式电池充电。其他类型的电池可能会爆裂，导致人身伤害和损害。

警示：必须监督儿童，确保他们没有玩耍本工具。

注意：特定条件下，充电器连接电源后，充电器内暴露的充电触头会被异物短路。导电性异物，包括但不限于钢绒、铝箔或聚集的金属颗粒，应远离充电器腔室。当腔室内没有电池组时，切记拔下充电器插头。清洁充电器前，亦应拔下其插头。

切勿尝试使用本手册说明以外的任何充电器为电池组充电。充电器和电池组经特别设计以便配合工作。

除了为得伟充电式电池充电以外，这些充电器并非设计用于其他用途。任何其他用途可能导火灾、触电或电击的风险。

不得将充电器暴露在雨中或雪中。

断开充电器连接时拔下插头，切勿拉拽电线。这将减低对电插头和电源线的损害风险。

确保电源线布置在不易踩踏、踢绊、拉扯或会受到损害或压力的位置。

不得使用延长电源线，除非有绝对的必要。使用不正确的延长电源线可能导致火灾、触电或电击的风险。

在室外使用充电器时，应选择干燥的地点并使用适合室外使用的延长线。室外专用的延长线能够降低触电风险。

不得遮盖充电器上的通风槽。通风槽位于充电器的顶部及侧面。充电器应远离任何热源。

操作充电器时，不得使用损坏的电源线或插头 — 必须立即将其更换。

若充电器遭受重击、掉落或因任何方式引起的损坏，切勿操作该充电器。将它送往授权的检修中心。

不得拆卸充电器；在需要检修或维修时将它送往授权的检修中心，错误的重装可能导致触电、电击或火灾的风险。

为避免发生危险，电源线一旦损坏，必须立即联系厂商、服务代理或类似有资质的人员更换。

尝试进行任何清洁工作之前，请将充电器插头从插座上断开。这将降低触电的危险。取出电池组并不会降低此危险。

禁止尝试将两个充电器连接在一起。

充电器设计用于采用220V家用电源操作。不得尝试使用任何其他电压操作。上述不适用于车用充电器。

请妥善保管好这些说明

充电器

DCB105充电器接受10.8V、14.4 V和18V锂离子（DCB121, DCB140, DCB141, DCB180和 DCB181）电池组。

这些充电器无需任何调整，专为简易操作而设计。

充电步骤（图2）

1.在插入220V电池组之前，请把充电器插入合适的220伏特插座中。

2.将电池组（i）插入充电器中，确保电池完全放入充电器内。红（充电）灯会连续闪烁，表示充电过程已经开始。

3.红灯保持持续发光时，表示充电已经完成。此时，充满电的电池可供使用，也可留在充电器中。

注意：为确保锂电池性能和寿命最大化，首次使用前请将电池充满电。

充电过程

有关电池组的充电状态可参考下表

充电状态	
	电池充电中
	电池已充满
	高/低温电池组延迟充电
	电池或充电器故障
	电源电路故障

本充电器不能给已经损坏的电池充电。充电器不亮、闪烁类型为电池或充电器故障时，均可表示电池损坏。

注意：这也可能表示充电器故障。

充电器显示故障时，请把充电器和电池组送往授权服务中心检测。

热/冷电池组延迟

当充电器检测到电池过热或过冷时，它会自动启动热/冷电池延迟模式，暂停充电，直到电池达到适当的温度。然后，充电器会自动切换到电池组充电模式。此功能可确保电池拥有最长的使用寿命。

XR 锂电池工具的设计带有防止电池超载、过热或深度放电的电子保护系统。

如果电子保护系统处于运作状态，该工具将自动停止运转。如果发生这种情况，请将锂电池放在充电器上直到完全充电。

冷电池组充电速率是温热的电池组充电速率的一半左右。电池组在整个充电周期的充电速度都会较慢，即使电池升温也不会返回到最高速度。

适用于所有电池组的重要安全守则

在订购替换电池组时，请提供产品目录号和电压。

从包装箱取出的电池组并非完全充电。使用电池组和充电器之前，请阅读下列安全守则。然后遵循所述的充电程序。

请阅读所有守则

禁止在易燃液体、气体或粉尘等存在的易爆环境中充电或使用电池组。在充电器中插入或取出电池会点燃粉尘或气体。

勿将电池强行放入充电器。不得以任何方式改动电池来放入不兼容的充电器，否则电池会破裂并导致严重的人身伤害。

电池组只可在得伟充电器中充电。

切勿喷溅或沉浸在水中或其他液体中。

勿在温度达到或超过40o C（105o F）（例如夏天的室外凉棚或金属建筑物）存放或使用电池组。

获得最佳效果，请在使用前确保电池组充满电

警告：禁止以任何理由打开电池组。

如果电池组壳体破裂或损坏，切勿将其放入充电器中。不得挤压、损坏电池组或使其跌落。如果电池组或充电器曾被重击、跌落、碾压或发生其它方式的损坏（例如针刺、锤击、踩踏等），则不得使用。否则可能导致触电或电死事故。损坏的电池组应交给维修中心回收。

充电器和电池组上的标签

除了本手册中使用的图形符号外，充电器和电池组上的标签会显示下列图形符号：

使用前阅读使用手册

电池充电中

电池已充满

高/低温电池组延迟充电

电池或充电器故障

电源电路故障

切勿插入任何导电物件

不要对损坏的电池组充电

DCB105 ✔ 只能使用得伟电池组，使用其他电池组可能会爆裂，导致人身伤害和损害

不要暴露在水中

应立即替换故障的电源线

+40°c
+4°c
只在介于4o C和40o C的环境中充电

LI-ION 弃置电池组时，请妥善处理以保护我们的环境。

切勿焚化电池组

Li Ion 锂离子电池组充电

充电时间请参阅技术数据

仅限室内使用

套装内容

包装清单：

无绳电圆锯1台

24齿锯片1片

六角扳手1把

靠尺1把

塑料袋1只：

除尘接头1只

M4×18有帽螺钉1只

锂离子电池组2只（L2、M2型）

工具箱1个

充电器1个

说明书1本

拆解图1张

注意：N型工具不含电池组、充电器和工具箱。

检查工具、部件或附件是否在运输过程中损坏。

使用前，请详细地耐心阅读并掌握本手册内容。

说明（图1、4、6）

警告：切勿修改本电动工具或其任何部件。否则，可能造成人身伤害或工具损坏。

a. 扳手开关关闭锁定按钮
b. 扳手开关
c. 电池组
d. 深度调节杆
e. 底脚
f. 下护罩收缩杆
g. 锯片下护罩
h. 锯片夹紧螺钉
i. 锯缝指示器
j. 坡口调节旋钮
k. 锯片锁定按钮
l. 副手柄
m. 电池释放按钮
n. 六角扳手
o. 靠尺旋钮
p. 靠尺

设计用途

本DCS391无绳电圆锯设计用于专业锯切作业。

禁止在潮湿或存在易燃液体、气体的条件下使用本工具。

本重型电圆锯为专业电动工具。禁止儿童接触工具。缺乏经验的操作人员必须在监护下使用本工具。

除非其安全负责人进行工具使用的监督或指导，否则体力、感知能力或心智不足的人（包括儿童），以及缺乏经验与相关知识的人不得使用本工具。切勿让儿童独自留在工具旁。

电气安全性

电动马达仅设计为一种电压。请务必检查电池组电压是否与铭牌一致。请确保您的充电器电压与您的主电源一致。

您的得伟充电器依据EN 60335以及 CCC进行双重绝缘，因此无须接地线。

如果电源线损坏，必须采用得伟维修机构提供的专用线。

使用延长线

仅在绝对必要时使用延长线。使用得延长线必须经过批准并满足您充电器的功率输入（见“技术参数”）要求。最小导体面积为1平方毫米，最大长度为30米。

使用电缆卷筒时，请确保电缆完全展开。

组装与调整

警告：安装与调整之前，必须取出电池组。插入或取出电池组之前，请关闭工具电源。

警告：只能使用得伟电池组和充电器。

电池组在工具上的拆、装步骤（图2）

注意：为达到最佳效果，请确保电池组已充满电。电池组完全放电后，指示灯会在没有任何预警的情况下关闭。

将电池组安装到工具手柄中

1. 把电池组（c）与工具手柄内的轨道对正（图2）。

2. 把电池组滑入手柄，直至牢固固定，确保不会松脱。

从工具上取下电池组

1. 按下电池释放按钮（m），把电池组用力从工具手柄中拉出。

2. 按照本手册充电器部分的说明，将电池组插入充电器。

电池组电量指示器（图2）

某些得伟电池组含有电量指示器。它由三个LED灯组成，用来显示电池组的剩余电量。

如需启动电量指示器，请按下指示器按钮（v）不要松开。三个LED灯组合点亮，代表剩余电量情况。如果电池电量低于可用水平，电量指示器不亮，电池需要充电。

注意：电量指示器仅显示电池组的余电情况，与工具的可用性能无关；电量显示随产品部件、温度、用户使用情况而有所变化。

扳手开关（图1）

警告：本工具扳手开关并无打开位置的锁定设计；切勿以任何方式将开关锁定在打开位置上。

按下图示按钮，释放扳手开关关闭锁定按钮（a）。拉扳手开关（b），启动工具马达。释放扳手开关，即可关闭工具马达。

锯切深度调节步骤（图1、3）

1.松开深度调节杆（d）。

2.移动底脚（e）到正确锯深。

3.紧固深度调节杆（d）。

4.为了达到最佳效果，使锯片突出工件约3毫米（见图3中插图）。

坡口调节步骤（图4）

坡口可以在0° 到50° 之间调节。

1.松开坡口调整旋钮（j）。

2.倾斜底脚（e）直到标记指向所需角度，设定倾角。

3.拧紧坡口调整旋钮（j）。

90° 锯切时的底脚调整步骤（图1、5）

1.把锯调到0° 坡口。

2.使用杆（f）把锯片护罩收起，并在锯片侧放置电锯。

3.松开坡口调整旋钮（j）。

4.在锯片和底脚间放直角尺，进行90° 设定。

5.旋转校准螺钉（q），使底脚停止在合适的角度。

6.在废材料上锯切并检查锯缝的垂直度，验证设定的准确度。

靠尺的安装与拆卸步骤（图6）

纵解是指沿长度方向，把较宽的板材锯解成较窄的条形材料。对于这种类型的锯切，单靠手的引导很难保证精度，因此建议使用靠尺。

警告：为了您自身的安全，使用任何 配件前，请仔细阅读本手册。如未能遵守任何警告内容，则可能会导致人身伤害，严重损坏电锯和配件。维修工具时，仅可使用相同的备件。

安装步骤

1.松开靠尺旋钮（o）。

2.如图6所示，插入靠尺（p）。

3.拧牢靠尺旋钮（o）。

原装靠尺仅可用于DCS391电圆锯；如果用于其它电锯，会增加反冲和伤害风险。

锯切之前，请确保靠尺与工具牢固连接。

靠尺安装到工具上之后，或拆卸靠尺以调节纵解宽度之后，请在重新启动电锯或开始锯切前检查下护罩的工作状态，确保靠尺不干涉护罩功能。

更换锯片步骤（图7）

1.启动锯片锁定按钮（k），使用随工具提供的六角扳手逆时针旋开锯片夹紧螺钉（h）。

2.使用杆（f）收起锯片下护罩（g），并更换锯片。重新安装垫片（r、s）到正确位置。

3.检查锯片的旋转方向。

4.用手拧上锯片夹紧螺钉（h），把垫片固定到位。顺时针旋转。

5.旋转心轴时，按下锯片锁定按钮（k），直至锯片停止转动。

6.使用六角扳手紧固锯片夹紧螺钉。

锯片

警告：为尽可能避免眼睛受伤，请务必佩戴护目镜。硬质合金很坚硬，但比较脆。工件中的异物，例如铁丝、铁钉等，会导致锯片破裂或断裂。仅可在锯片护罩正确到位的条件下操作电锯。使用前，请把锯片牢固安装到正确的旋转方向上。务必使用清洁、锋利的锯片。

警告：请勿使用本工具锯切黑色金属（钢材）、砖石材料、玻璃、砌筑板、水泥板或水泥瓦。

不得使用研磨轮或研磨锯片。钝锯片速度慢、效率低，会导致电锯马达过载、板材开裂，并增加反冲风险。

如果您需要锯片方面的帮助，请联系本手册背面所列的、您本地的维修中心。

使用前的准备工作

确保电池组已充（满）电。

确保护罩已正确安装。锯片护罩必须处于关闭位置。

确保锯片旋转方向与锯片上箭头所指方向一致。

禁止使用磨损过度的锯片。

操作步骤

警告：安装、拆卸配件，调整工具或维修之前，请关闭工具并断开电池组。不使用工具或存放工具时，请把扳手开关锁定。

警告：务必正确佩戴听力保护装置。在某些条件下或某些使用期间，本工具可能损伤听力。

使用指南

警告:

请遵守安全说明及相关条例。

确保待锯材料牢固固定。

对工具轻缓用力；不得对锯片施加侧向力。条件允许时，锯切时将电锯底脚紧顶工件。这能够防止锯片损坏、降低工具摆动或振动。

避免过载。

锯切材料前，让工具空转数秒钟。

手握工具的正确位置(图8)

警告: 为降低严重人身伤害风险，请务必采用图示的正确手位。

警告: 为降低严重人身伤害风险，请务必紧握工具，预防突发反作用力。

握住工具主把手（t）和副手柄（l），正确引导锯切方向。

工具打开与关闭步骤(图1)

出于安全考虑，本工具的扳手开关（b）配有关闭锁定按钮（a）。

按下锁定按钮，给工具解锁。

要启动工具，按下扳手开关（b）。一旦松开扳手开关，关闭锁定按钮会自动激活，防止工具意外启动。

注意：锯片接触工件或其他材料时，切勿启动或关闭工具。

锯切引导指南(图1)

为达到最佳效果，请把工件倒置夹持。

使用锯缝指示器（i）对准工件上划出的锯线。设定50° 坡口时，锯缝指示器将与锯片的左侧对齐。设定0° 坡口时，锯缝指示器将与锯片的右侧对齐。



除尘设计(图9)

本工具配有除尘接口(u)。

锯木材时，请务必使用设计满足锯木除尘法规的真空吸尘器。大多数普通吸尘器软管可直接连接到除尘接口上。

除尘接口的安装步骤(图9)

1.完全松开深度调节杆(d)。

2.把底脚(e)置于最低位置。

3.如图所示，把除尘接口(u)对准底脚上的托架。

4.把除尘接口上的凸台对准托架上的螺丝孔。

5.插入螺钉并拧牢。

保养

您的得伟电动工具设计精良，可以长期使用，仅需要极少维护。要连续获得令人满意的工作效果，需要您进行正确的保养和定期的清洁。

警告: 为降低严重的人身伤害风险，在进行任何调整或取出/安装附加装置或附件之前，请关闭工具电源和断开电池组连接。意外启动容易造成人身伤害。

本充电器不可检修。充电器内不含可检修的部件。

润滑

本电动工具无须另行润滑。

清洁

警告: 一旦发现通风口内部或周围有灰尘聚集，应立即使用干燥空气吹走主壳体和护罩内的灰尘。进行本步骤时，请佩戴合格的护目镜和防尘面罩。

下护罩

从全开至全闭位置，下护罩应始终能够自由旋转、关闭。锯切前，务必完全打开护罩并让其自行关闭，以检查护罩是否正常。如果护罩关闭缓慢或不能完全关闭，则需要清洁或维修。在护罩正常工作之前，不得使用工具。清洁护罩时，可使用干燥空气或软刷清除护罩移动路线上及护罩弹簧周围聚集的锯屑、灰尘。如果这仍不能解决问题，则需要到授权维修中心维修。

警告: 切勿使用溶剂或其它刺激性化学品来清洁工具的非金属部件。这些化学品可能削弱零件中使用的材料。只能使用抹布蘸中性肥皂水进行清洁。勿使任何液体进入工具；勿使工具的任何部分浸入液体中。

充电器清洁说明

警告: 触电危险。清洁之前将充电器从交流电插座上断开。使用软布或非金属软刷，去除充电器外部的污垢和油脂。

请勿使用水货任何清洁剂。

附件的选择

警告：由于非得伟附件未经本产品匹配测试，本工具若使用此类附件，将存在隐患。为降低人身伤害风险，本产品仅可使用得伟推荐的附件。

本工具禁止使用给水配件。

使用前请肉眼检查硬合金锯片。如损坏，须更换。

请向零售商咨询合适附近的更多信息。

保护环境

个别收集。本产品必须与一般家庭废物分开处理。

如果您发现您的得伟产品需要进行替换，或您已经不再需要使用这些产品，请不要将它们与家庭废物一起处理。务必将本产品送往个别收集处。

个别收集用过的产品和包装允许材料再循环利用。重新使用循环利用的材料有助于防止环境污染，并减少原始材料的需求。

当您购买新产品时，可能提供从家用、城市垃圾站或通过零售商个别收集电气产品的当地法规。

得伟提供设施收集和再循环利用使用寿命到期的得伟产品。要利用这项服务，请将您的产品送往任何授权的维修代理，他们将协助我们收集这些回收产品。

需要查询最靠近您的授权维修代理，您可联络本手册中所记载的您当地的得伟办事处。您也可以通过网站获得授权的得伟维修代理列表以及我们售后服务与联络人的完整详情，网站www.2helpU.com.

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