DEWALT®

XR®

DCMCS574
DCMCS575

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Fig. A

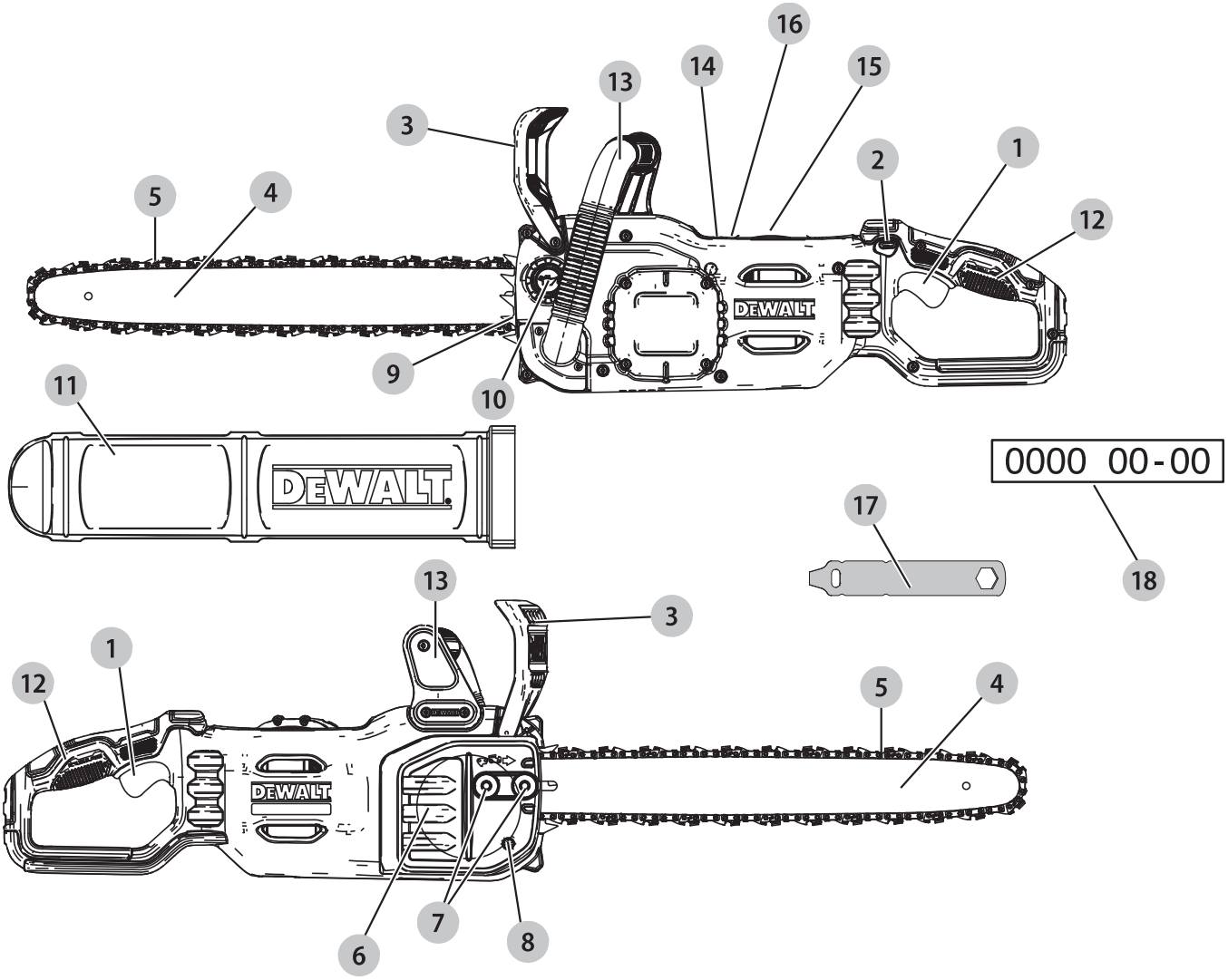


Fig. B

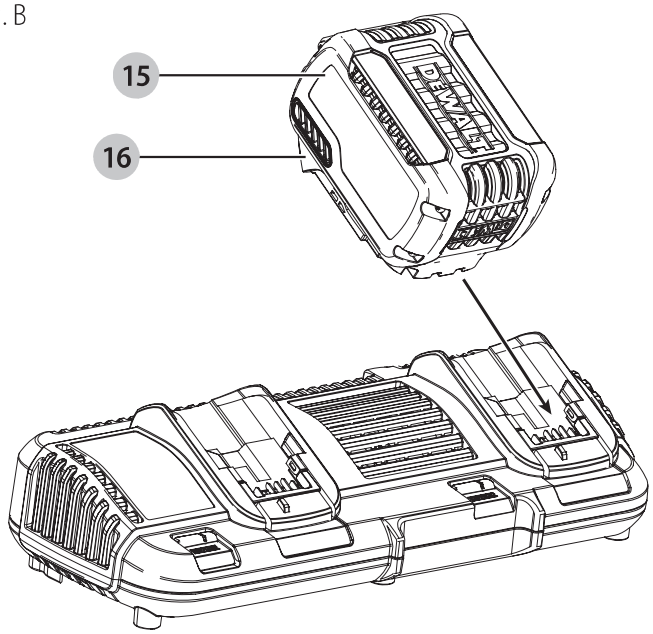


Fig. C

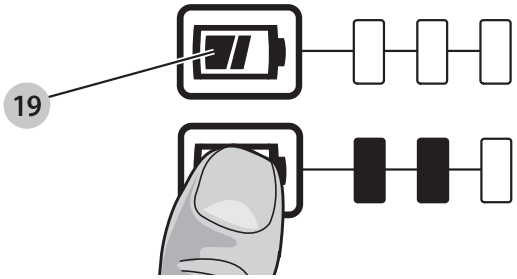


Fig. D

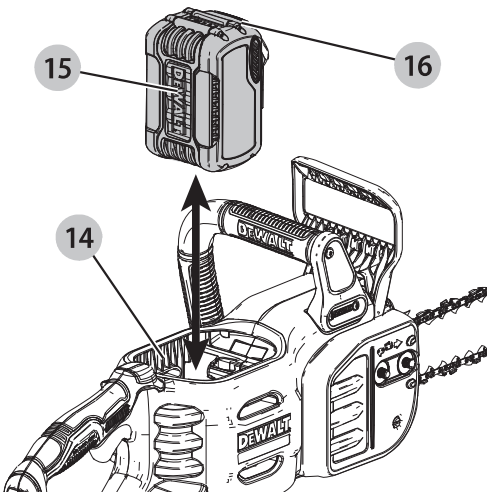


Fig. E

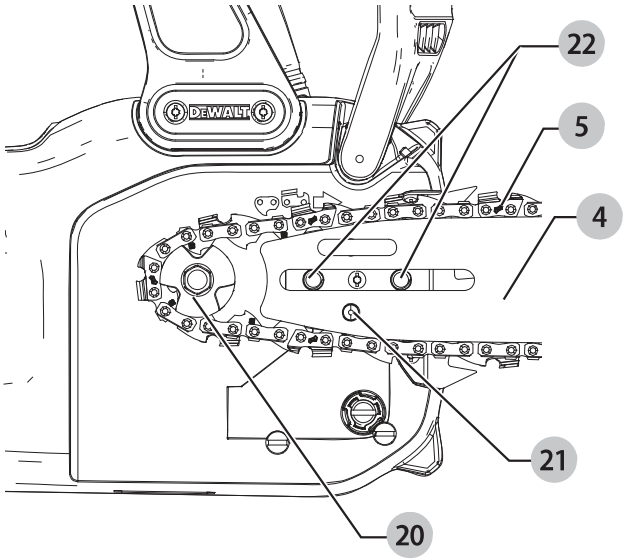


Fig. F

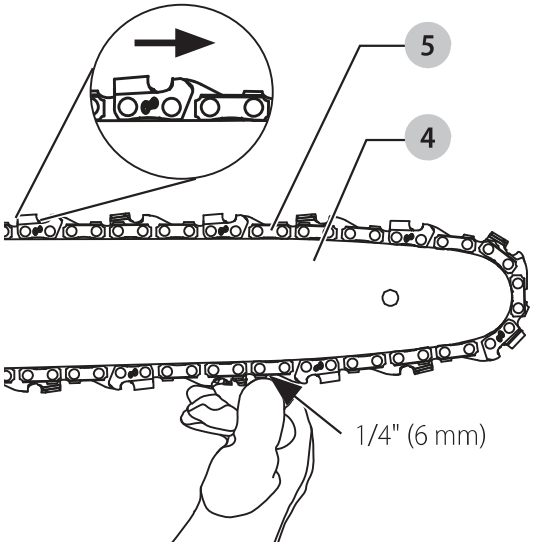


Fig. G

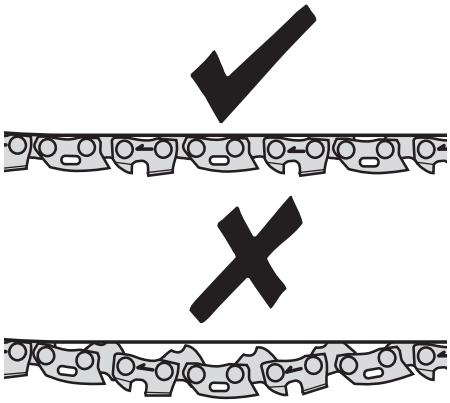


Fig. H

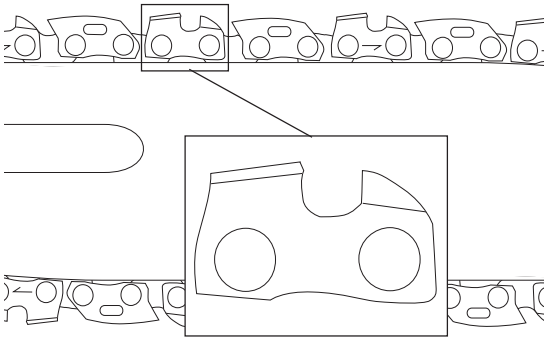


Fig. I

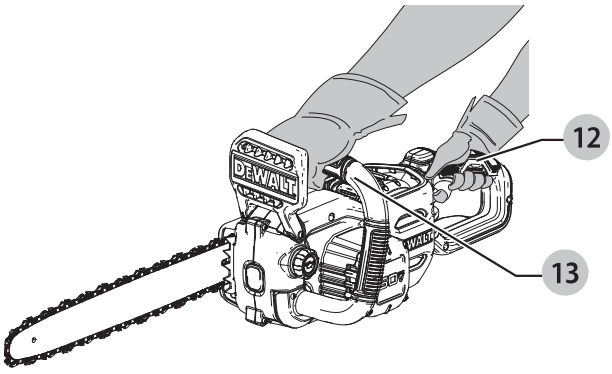


Fig. J

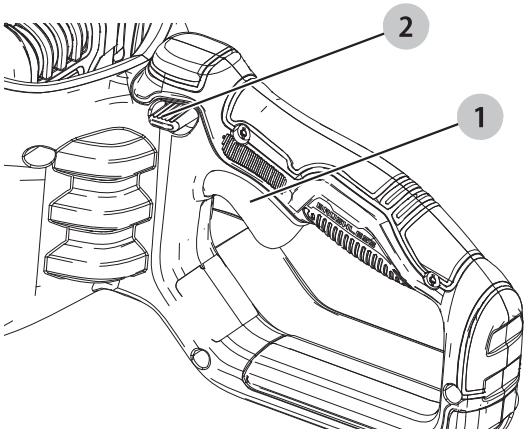
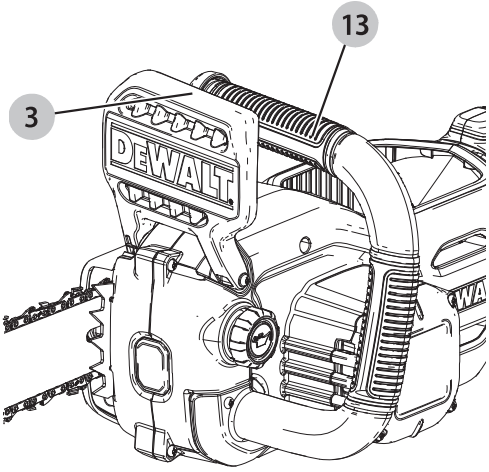


Fig. K



54V CHAINSAW
DCMCS574, DCMCS575

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

		DCMCS574	DCMCS575
Voltage	V_{DC}	54	54
Type		1	1
Battery type		Li-Ion	Li-Ion
Bar Length	cm	45	50
Maximum Chain Speed (no-load)	m/s	15	15
Maximum Cutting Length	cm	40	45
Oil Capacity	ml	115	115
Weight (without battery pack)	kg	5	5.7
Noise values and/or vibration values (triax vector sum) according to EN60745-2-13:2009+A1:2010:			
L_{PA} (emission sound pressure level)	dB(A)	83	83
L_{WA} (sound power level)	dB(A)	99	100
K (uncertainty for the given sound level)	dB(A)	1,8	2
Vibration emission value a_h =	m/s^2	4.4	4.1
Uncertainty K =	m/s^2	1.5	1.5

The vibration and/or noise emission level given in this information sheet has been measured in accordance with a standardised test given in EN60745 and may be used to compare one tool with another. It may be used for a preliminary assessment of exposure.

WARNING: *The declared vibration and/or noise emission level represents the main applications of the tool. However if the tool is used for different applications, with different accessories or poorly maintained, the vibration and/or noise emission may differ. This may significantly increase the exposure level over the total working period.*

An estimation of the level of exposure to vibration and/or noise should also take into account the times when the tool is switched off or when it is running but not actually doing the job. This may significantly reduce the exposure level over the total working period.

Identify additional safety measures to protect the operator from the effects of vibration and/or noise such as: maintain the tool and the accessories, keep the hands warm (relevant for vibration), organisation of work patterns.

EC-Declaration of Conformity

Machinery Directive

CE

54V Chainsaw
DCMCS574, DCMCS575

DEWALT declares that these products described under ***Technical Data*** are in compliance with:
2006/42/EC, EN62841-1:2015, EN62841-4-1:2020.

2000/14/EC, Annex V

L_{WA} (measured sound power level)
99 dB(A) (DCMCS574)/100 dB(A)DCMCS575,

Uncertainty (K)
1.8 dB(A) (DCMCS574)/2.0 dB(A)DCMCS575,

L_{WA} (guaranteed sound power)
102 dB(A)

These products also comply with Directive 2014/30/EU and 2011/65/EU. For more information, please contact DEWALT at the following address or refer to the back of the manual.

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of DEWALT.



Markus Rompel
Vice-President Engineering, PTE-Europe
DEWALT, Richard-Klinger-Straße 11,
65510, Idstein, Germany
15.10.2021

DECLARATION OF CONFORMITY

THE SUPPLY OF MACHINERY (SAFETY) REGULATIONS 2008

UK CA

54V Chainsaw
DCMCS574, DCMCS575

DEWALT declares that these products described under "technical data" are in compliance with:

The Supply of Machinery (Safety) Regulations, 2008, S.I. 2008/1597 (as amended), EN62841-1:2015, EN62841-4-1:2020.

The Noise Emission in the Environment by Equipment for use Outdoors Regulations 2001, S.I. 2001/1701 (as amended), Schedule 8.

L_{WA} (measured sound power level)
99 dB(A) (DCMCS574)/100 dB(A)DCMCS575,

Batteries				Chargers/Charge Times (Minutes)**								
Cat #	V_{DC}	Ah	Weight (kg)	DCB104	DCB107	DCB112	DCB113	DCB115	DCB116	DCB117	DCB118	DCB132
DCB546	18/54	6.0/2.0	1.08	60	270	170	140	90	80	40	60	90
DCB547	18/54	9.0/3.0	1.46	75*	420	270	220	135*	110*	60	75*	135*
DCB548	18/54	12.0/4.0	1.46	120	540	350	300	180	150	80	120	180
DCB549	18/54	15.0/5.0	2.12	125	730	450	380	230	170	90	125	230

**Date code 201811475B or later*

Uncertainty (K)
1.8 dB(A) (DCMCS574)/2.0 dB(A)DCMCS575,
L_{WA} (guaranteed sound power)
102 dB(A)

These products conform to the following UK Regulations

The Supply of Machinery (Safety) Regulations, 2008, S.I. 2008/1597 (as amended).

Electromagnetic Compatibility Regulations, 2016, S.I.2016/1091 (as amended).

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, S.I. 2012/3032 (as amended).

For more information, please contact DEWALT at the following address or refer to the back of the manual.

The undersigned is responsible for compilation of the technical file and makes this declaration on behalf of DEWALT.



Paul Featherstone
Product Director – Outdoor Products Group
DEWALT, UK,
270 Bath Road, Slough
Birkshire SL1 4DX
England
15.10.2021

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

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.

GENERAL POWER TOOL SAFETY WARNINGS

WARNING: Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below 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 a 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 and clothing 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.*

h) ***Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.*** *A careless action can cause severe injury within a fraction of a second.*

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 remove the battery pack, if detachable, 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 and accessories. 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.*

h) ***Keep handles and grasping surfaces dry, clean and free from oil and grease.*** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

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.*

e) ***Do not use a battery pack or tool that is damaged or modified.*** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*

f) ***Do not expose a battery pack or tool to fire or excessive temperature.*** *Exposure to fire or temperature above 130 °C may cause explosion.*

g) ***Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.*** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

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.*

b) ***Never service damaged battery packs.*** *Service of battery packs should only be performed by the manufacturer or authorized service providers.*

General Chain Saw Safety Warnings

a) ***Keep all parts of the body away from the saw chain when the chain saw is operating. Before you start the chain saw, make sure the saw chain is not contacting anything.*** *A moment of inattention while operating chain saws may cause entanglement of your clothing or body with the saw chain.*

b) ***Always hold the chain saw with your right hand on the rear handle and your left hand on the front handle.*** *Holding the chain saw with a reversed hand configuration increases the risk of personal injury and should never be done.*

c) ***Hold the chain saw by insulated gripping surfaces only, because the saw chain may contact hidden wiring or its own cord.*** *Saw chains contacting a "live" wire may make exposed metal parts of the chain saw "live" and could give the operator an electric shock.*

d) ***d) Wear eye protection. Further protective equipment for hearing, head, hands, legs and feet is recommended.*** *Adequate protective equipment will reduce personal injury from flying debris or accidental contact with the saw chain.*

e) ***Do not operate a chain saw in a tree, on a ladder, from a rooftop, or any unstable support.*** *Operation of a chain saw in this manner could result in serious personal injury.*

f) ***Always keep proper footing and operate the chain saw only when standing on fixed, secure and level surface.*** *Slippery or unstable surfaces may cause a loss of balance or control of the chain saw.*

g) ***When cutting a limb that is under tension, be alert for spring back.*** *When the tension in the wood fibres is released, the spring loaded limb may strike the operator and/or throw the chain saw out of control.*

h) ***Use extreme caution when cutting brush and saplings.*** *The slender material may catch the saw chain and be whipped toward you or pull you off balance.*

i) ***Carry the chain saw by the front handle with the chain saw switched off and away from your body. When transporting or storing the chain saw, always fit the guide bar cover.*** *Proper handling of the chain saw will reduce the likelihood of accidental contact with the moving saw chain.*

j) ***Follow instructions for lubricating, chain tensioning and changing the bar and chain.*** *Improperly tensioned or lubricated chain may either break or increase the chance for kickback.*

k) ***Cut wood only. Do not use chain saw for purposes not intended.*** *For example: do not use chain saw for cutting metal, plastic, masonry or non-**wood building materials.** Use of the chain saw for operations different than intended could result in a hazardous situation.*

l) ***Do not attempt to fell a tree until you have an understanding of the risks and how to avoid them.*** *Serious injury could occur to the operator or bystanders while felling a tree.*

m) ***Do not attempt to fell a tree until you have an understanding of the risks and how to avoid them.*** *Serious injury could occur to the operator or bystanders while felling a tree.*

Causes and operator prevention of kickback:

Kickback may occur when the nose or tip of the guide bar touches an object, or when the wood closes in and pinches the saw chain in the cut.

Tip contact in some cases may cause a sudden reverse reaction, kicking the guide bar up and back towards the operator.

Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator.

Either of these reactions may cause you to lose control of the saw which could result in serious personal injury. Do not rely exclusively upon the safety devices built into your saw. As a chain saw user, you should take several steps to keep your cutting jobs free from accident or injury.

Kickback is the result of chain 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 thumbs and fingers encircling the chain saw handles, with both hands on the saw and position your body and arm to allow you to resist kickback forces. Kickback forces can be controlled by the operator, if proper precautions are taken.*** *Do not let go of the chain saw.*

b) ***Do not overreach and do not cut above shoulder height.*** *This helps prevent unintended tip contact and enables better control of the chain saw in unexpected situations.*

c) ***Only use replacement guide bars and saw chains specified by the manufacturer.*** *Incorrect replacement guide bars and saw chains may cause chain breakage and/or kickback.*

d) ***Follow the manufacturer's sharpening and maintenance instructions for the saw chain.*** *Decreasing the depth gauge height can lead to increased kickback.*

The Following Precautions Should Be Followed to Minimize Kickback:

1. ***Grip saw firmly. Hold the chain saw firmly with both hands when the motor is running. Use a firm grip with thumbs and fingers encircling the chain saw handles.*** *Chain saw will pull forward when cutting on the bottom edge of the bar, and push backward when cutting along the top edge of the bar.*

2. ***Do not over reach.***
3. ***Keep proper footing and balance at all times.***
4. ***Don't let the nose of the guide bar contact a log, branch, ground or other obstruction.***
5. ***Don't cut above shoulder height.***
6. ***Use devices such as low kickback chain and reduced kickback guide bars that reduce the risks associated with kickback.***
7. ***Only use replacement bars and chains specified by the manufacturer or the equivalent.***
8. ***Never let the moving chain contact any object at the tip of the guide bar.***
9. ***Keep the working area free from obstructions such as other trees, branches, rocks, fences, stumps, etc.*** *Eliminate or avoid any obstruction that your saw chain could hit while you are cutting through a particular log or branch.*
10. ***Keep your saw chain sharp and properly tensioned. A loose or dull chain can increase the chance of kickback.*** *Check tension at regular intervals with the motor stopped and tool unplugged, never with the motor running.*
11. ***Begin and continue cutting only with the chain moving at full speed.*** *If the chain is moving at a slower speed, there is a greater chance for kickback to occur.*
12. ***Cut one log at a time.***
13. ***Use extreme caution when re-entering a previous cut.*** *Engage bucking spikes into wood and allow chain to reach full speed before proceeding with cut.*
14. ***Do not attempt plunge cuts or bore cuts.***
15. ***Watch for shifting logs or other forces that could close a cut and pinch or fall into chain.***

Kickback Safety Features

WARNING: *The following features are included on your saw to help reduce the hazard of kickback; however such features will not totally eliminate this dangerous reaction. As a chain saw user do not rely only on safety devices. You must follow all safety precautions, instructions, and maintenance in this manual to help avoid kickback and other forces which can result in serious injury.*

- *Reduced-Kickback Guide Bar, designed with a small radius tip which reduces the size of the kickback danger zone on bar tip. A reduced - kickback guide bar is one which has been demonstrated to significantly reduce the number and seriousness of kickbacks when tested in accordance with safety requirements for electric chain saws.*
- *Low-Kickback Chain, designed with a contoured depth gauge and guard link which deflect kickback force and allow wood to gradually ride into the cutter. A low-kickback chain is a chain which has met kickback performance requirements of ANSI B175.1–2012.*
- *Do not operate chain saw while in a tree, on a ladder, on a scaffold, or from any unstable surface.*
- *Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.*
- *Do not attempt operations beyond your capacity or experience. Read thoroughly and understand completely all instructions in this manual.*
- *Before you start chain saw, make sure saw chain is not contacting any object.*
- *Do not operate a chain saw with one hand! Serious injury to the operator, helpers, or bystanders may result from one handed operation. A chain saw is intended for two-handed use only.*
- *Keep the handles dry, clean, and free of oil or grease.*
- *Do not allow dirt, debris, or sawdust to build up on the motor or outside air vents.*
- *Stop the chain saw before setting it down.*
- *Do not cut vines and/or small under brush.*
- *Use extreme caution when cutting small size brush and saplings because slender material may catch the saw chain and be whipped toward you or pull you off balance.*

Chain Saw Names and Terms

- ***Bucking -*** *The process of cross cutting a felled tree or log into lengths.*
- ***Motor Brake (if equipped) -*** *A device used to stop the saw chain when the trigger is released.*
- ***Chain Saw Powerhead -*** *A chain saw without the saw chain and guide bar.*
- ***Drive Sprocket or Sprocket -*** *The toothed part that drives the saw chain.*
- ***Felling -*** *The process of cutting down a tree.*
- ***Felling Back Cut -*** *The final cut in a tree felling operation made on the opposite side of the tree from the notching cut.*
- ***Front Handle -*** *The support handle located at or toward the front of the chain saw.*
- ***Front Hand Guard -*** *A structural barrier between the front handle of a chain saw and the guide bar, typically located close to the hand position on the front handle.*
- ***Guide Bar -*** *A solid railed structure that supports and guides the saw chain.*
- ***Scabbard/Guide Bar Cover -*** *Enclosure fitted over guide bar to help prevent tooth contact when saw is not in use.*
- ***Kickback -*** *The backward or upward motion, or both of the guide bar occurring when the saw chain near the nose of the top area of the guide bar contacts any object such as a log or branch, or when the wood closes in and pinches the saw chain in the cut.*
- ***Kickback, Pinch -*** *The rapid pushback of the saw which can occur when the wood closes in and pinches the moving saw chain in the cut along the top of the guide bar.*
- ***Kickback, Rotational -*** *The rapid upward and backward motion of the saw which can occur when the moving saw chain near the upper portion of the tip of the guide bar contacts an object, such as a log or branch.*
- ***Limbing -*** *Removing the branches from a fallen tree.*

- ***Low-Kickback Chain -*** *A chain that complies with the kickback performance requirements of ANSI B175.1–2012 (when tested on a representative sample of chain saws.)*
- ***Normal Cutting Position -*** *Those positions assumed in performing the bucking and felling cuts.*
- ***Notching Undercut -*** *A notch cut in a tree that directs the tree's fall.*
- ***Rear Handle -*** *The support handle located at or toward the rear of the saw.*
- ***Reduced Kickback Guide Bar -*** *A guide bar which has been demonstrated to reduce kickback significantly.*
- ***Replacement Saw Chain -*** *A chain that complies with kickback performance requirements of ANSI B175.1–2012 when tested with specific chain saws. It may not meet the ANSI performance requirements when used with other saws.*
- ***Saw Chain -*** *A loop of chain having cutting teeth, that cut the wood,and that is driven by the motor and is supported by the guide bar.*
- ***Ribbed Bumper -*** *The ribs used when felling or bucking to pivot the saw and maintain position while sawing.*
- ***Switch -*** *A device that when operated will complete or interrupt an electrical power circuit to the motor of the chain saw.*
- ***Switch Linkage -*** *The mechanism that transmits motion from a trigger to the switch.*
- ***Switch Lockout -*** *A movable stop that prevents the unintentional operation of the switch until manually actuated.*

Residual Risks

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 personal injury due to flying particles.*
- *Risk of burns due to accessories becoming hot during operation.*
- *Risk of personal injury due to prolonged use.*

SAVE THESE INSTRUCTIONS

Chargers

DEWALTFATMAX chargers require no adjustment and are designed to be as easy as possible to operate.

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 DEWALTFATMAXcharger is double insulated in accordance with EN60335; therefore no earth wire is required.

If the supply cord is damaged, it must be replaced only by DEWALTFATMAX or an authorised service organisation.

Mains Plug Replacement (U.K. & Ireland Only)

If a new mains plug needs to be fitted:

- *Safely dispose of the old plug.*
- *Connect the brown lead to the live terminal in the plug.*
- *Connect the blue lead to the neutral terminal.*



WARNING: *No connection is to be made to the earth terminal.*

Follow the fitting instructions supplied with good quality plugs. Recommended fuse: 3 A.

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.

Important Safety Instructions for All Battery Chargers

SAVE THESE INSTRUCTIONS: This manual contains important safety and operating instructions for compatible battery chargers (refer to ***Technical Data***).

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



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



WARNING: *We recommend the use of a residual current device with a residual current rating of 30mA or less.*



CAUTION: *Burn hazard. To reduce the risk of injury, charge only DEWALTFATMAX rechargeable batteries. Other types of batteries may burst causing personal injury and damage.*



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

NOTICE: *Under certain conditions, with the charger plugged into 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 DEWALTFATMAX 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.*
- ***Do not place any object on top of charger or place the charger on a soft surface that might block the ventilation slots and result in excessive internal heat.*** *Place the charger in a position away from any heat source. The charger is ventilated through slots in the top and the bottom of the housing.*
- ***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 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 two chargers together.*
- ***The charger is designed to operate on standard 230V household electrical power. Do not attempt to use it on any other voltage.*** *This does not apply to the vehicular charger.*

Charging a Battery (Fig. B)

1. Plug the charger into an appropriate outlet before inserting battery pack.
2. Insert the battery pack **15** into the charger, making sure the battery pack is fully seated in the charger. The red (charging) light will blink repeatedly indicating that the charging process has started.
3. The completion of charge will be indicated by the red light remaining ON continuously. The battery pack is fully charged and may be used at this time or left in the charger. To remove the battery pack from the charger, push the battery release button **16** on the battery pack.

NOTE: To ensure maximum performance and life of lithium-ion battery packs, charge the battery pack fully before first use.

Charger Operation

Refer to the indicators below for the charge status of the battery pack.

Charge Indicators	
Charging	— — — —
Fully Charged	———

Charge Indicators	
Hot/Cold Pack Delay*	— — — | ———

*The red light will continue to blink, but a yellow indicator light will be illuminated during this operation. Once the battery pack has reached an appropriate temperature, the yellow light will turn off and the charger will resume the charging procedure.

The compatible charger(s) will not charge a faulty battery pack. The charger will indicate faulty battery by refusing to light.

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

A cold battery pack will charge at a slower rate than 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 pack warms.

The DCB118 charger is equipped with an internal fan designed to cool the battery pack. The fan will turn on automatically when the battery pack needs to be cooled. Never operate the charger if the fan does not operate properly or if ventilation slots are blocked. Do not permit foreign objects to enter the interior of the charger.

Electronic Protection System

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

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

Wall Mounting

These chargers are designed to be wall mountable or to sit upright on a table or work surface. If wall mounting, locate the charger within reach of an electrical outlet, and away from a corner or other obstructions which may impede air flow. Use the back of the charger as a template for the location of the mounting screws on the wall. Mount the charger securely using drywall screws (purchased separately) at least 25.4 mm long with a screw head diameter of 7–9 mm, screwed into wood to an optimal depth leaving approximately 5.5 mm of the screw exposed. Align the slots on the back of the charger with the exposed screws and fully engage them in the slots.

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. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.*

Battery Packs

Important Safety Instructions for All Battery Packs

When ordering replacement battery packs, be sure to include catalogue 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. Then follow charging procedures outlined.

READ ALL INSTRUCTIONS

- ***Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.*** *Inserting or removing the battery from the charger may ignite the dust or fumes.*
- ***Never force battery pack into charger. Do not modify 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 DEWALTFATMAX 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 fall below 4 ˚C (39.2 ˚F) (such as outside sheds or metal buildings in winter), or reach or exceed 40 ˚C (104 ˚F) (such as outside sheds or metal buildings in summer).***
- ***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 area with mild soap and water.*** *If 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.*



WARNING: *Never attempt to open the battery pack for any reason. If battery pack case is cracked or damaged, do not insert into 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 (i.e., pierced with a nail, hit with a hammer, stepped on). Electric shock or electrocution may result. Damaged battery packs should be returned to service centre for recycling.*



WARNING: Fire hazard. Do not store or carry the battery pack so that metal objects can contact exposed battery terminals. *For example, do not place the battery pack in aprons, pockets, tool boxes, product kit boxes, drawers, etc., with loose nails, screws, keys, etc.*



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.*

Transportation



WARNING: Fire hazard. *Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.* ***NOTE:*** *Lithium-ion batteries should not be put in checked baggage.*

DEWALT FATMAX batteries comply with all applicable shipping regulations as prescribed by industry and legal standards which include UN Recommendations on the Transport of Dangerous Goods; International Air Transport Association (IATA) Dangerous Goods Regulations, International Maritime Dangerous Goods (IMDG) Regulations, and the European Agreement Concerning The International Carriage of Dangerous Goods by Road (ADR). Lithium-ion cells and batteries have been tested to section 38.3 of the UN Recommendations on the Transport of Dangerous Goods Manual of Tests and Criteria.

In most instances, shipping a DEWALTFATMAX battery pack will be excepted from being classified as a fully regulated Class 9 Hazardous Material. In general, only shipments containing a lithium-ion battery with an energy rating greater than 100 Watt Hours (Wh) will require being shipped as fully regulated Class 9. All lithium-ion batteries have the Watt Hour rating marked on the pack. Furthermore, due to regulation complexities, FATMAXDEWALT does not recommend air shipping lithium-ion battery packs alone regardless of Watt Hour rating. Shipments of tools with batteries (combo kits) can be air shipped as excepted if the Watt Hour rating of the battery pack is no greater than 100 Wh.

Regardless of whether a shipment is considered excepted or fully regulated, it is the shipper's responsibility to consult the latest regulations for packaging, labeling/marking and documentation requirements.

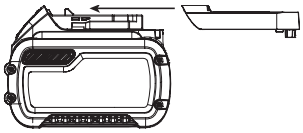
The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with the applicable regulations.

Transporting the FLEXVOLT™ Battery

The DEWALT FLEXVOLT™ battery has two modes: **Use** and **Transport**.

Use Mode: When the FLEXVOLT™ battery stands alone or is in a DEWALT 18V product, it will operate as an 18V battery. When the FLEXVOLT™ battery is in a 54V or a 108V (two 54V batteries) product, it will operate as a 54V battery.

Transport Mode: When the cap is attached to the FLEXVOLT™ battery, the battery is in Transport mode. Keep the cap for shipping.



When in Transport mode, strings of cells are electrically disconnected within the pack resulting in 3 batteries with a lower Watt hour (Wh) rating as compared to 1 battery with a higher Watt hour rating. This increased quantity of 3 batteries with the lower Watt hour rating can exempt the pack from certain shipping regulations that are imposed upon the higher Watt hour batteries.

For example, the Transport Wh rating might indicate 3 x 36 Wh, meaning 3 batteries of 36 Wh each. The Use Wh rating might indicate 108 Wh (1 battery implied).

Example of Use and Transport Label Marking



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 may show the following pictographs:




Read instruction manual before use.



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



Do not probe with conductive objects.



Do not charge damaged battery packs.



Do not expose to water.



Have defective cords replaced immediately



Charge only between 4 °C and 40 °C.



Only for indoor use.



Discard the battery pack with due care for the environment.



Charge FATMAX battery packs only with designated DEWALTFATMAX chargers. Charging battery packs other than the designated DEWALTFATMAX batteries with a DEWALTFATMAX charger may make them burst or lead to other dangerous situations.



Do not incinerate the battery pack.



USE (without transport cap). Example: Wh rating indicates 108 Wh (1 battery with 108 Wh).



TRANSPORT (with built-in transport cap). Example: Wh rating indicates 3 x 36 Wh (3 batteries of 36 Wh).

Battery Type

The following tools operate on a 54 volt battery pack: DCMCS574, DCMCS575, Cat #3

These battery packs may be used: DCB546, DCB547, DCB548, DCB549. Refer to ***Technical Data*** for more information.

Package Contents

The DCMCS574 package contains:

1 Chainsaw
1 Scabbard
1 Bar 45 cm
1 Chain 45 cm
1 Wrench
1 Instruction manual

The DCMCS575 package contains:

1 Chainsaw
1 Scabbard
1 Bar 50 cm
1 Chain 50 cm
1 Wrench
1 Instruction manual

NOTE: Battery packs, chargers and kitboxes are not included with N models. Battery packs and chargers are not included with NT models. B models include Bluetooth® battery packs.

NOTE: The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth®, SIG, Inc. and any use of such marks by DEWALT is under license. Other trademarks and trade names are those of their respective owners.

- *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.*

Markings on Tool

The following pictograms are shown on the tool:



Read instruction manual before use.


Wear ear protection.


Wear eye protection


Wear head protection.


Wear gloves.


Wear proper foot protection.


Do not expose the tool to rain or high humidity or leave outdoors while it is raining.


Contact of the guide bar tip with any object should be avoided.

Rotational direction of the saw chain.


Always use two hands when operating the chainsaw.


Switch the tool off. Before performing any maintenance on the tool, remove the battery from the tool.



Directive 2000/14/EC guaranteed sound power.

Date Code Position (Fig. A)

The date code **18**, which also includes the year of manufacture, is printed into the housing.

Example:

2021 XX XX

Year and Week of Manufacture

Description (Fig. A)

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

1 Variable speed trigger switch
2 Lock-off lever
3 Chain brake / front hand guard
4 Guide bar
5 Saw chain
6 Sprocket cover
7 Bar lock nuts
8 Chain tensioning screw
9 Oil level indicator
10 Oil cap
11 Guide bar scabbard
12 Rear handle
13 Front handle
14 Battery housing
15 Battery Pack
16 Battery release button
17 Wrench
18 Date code

Intended Use

The DCMCS574 chainsaw is designed for cutting logs up to 40 cm in diameter.

The DCMCS575 chainsaw is designed for cutting logs up to 45 cm in diameter.

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

These chainsaws are professional power tools.

DO NOT let children come into contact with the tool. Supervision is required when inexperienced operators use this tool.

- **Young children and the infirm.** This appliance is not intended for use by young children or infirm persons without supervision.
- 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.

ASSEMBLY AND ADJUSTMENTS

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.*

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

Inserting and Removing the Battery Pack from the Tool (Fig. D)

NOTE: Make sure your battery pack **15** is fully charged.

To Install the Battery Pack into the Tool

1. Align the battery pack **15** with the rails inside the tool's battery housing **14** (Fig. D).
2. Slide it into the battery housing until the battery pack is firmly seated in the tool and ensure that you hear the lock snap into place.

To Remove the Battery Pack from the Tool

1. Press the battery release button **16** and firmly pull the battery pack out of the tool.
2. Insert battery pack into the charger as described in the charger section of this manual.

Fuel Gauge Battery Packs (Fig. C)

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 **19**. 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.

Installing the Guide Bar and Saw Chain (Fig. A, E–G)

CAUTION: *Sharp chain. Always wear protective gloves when handling the chain. The chain is sharp and can cut you when it is not running.*

WARNING: *Sharp moving chain. To prevent accidental operation, ensure the battery is removed from the tool before performing the following operations. Failure to do this could result in serious personal injury.*

If the saw chain 5 and guide bar 4 are packed separately in the carton, the chain has to be attached to the bar, and both must be attached to the body of the tool.

1. Place the saw on a flat, firm surface.
2. Rotate the bar lock nuts 7 counterclockwise with the wrench 17 provided.
3. Remove sprocket cover 6, and bar lock nuts 7.
4. Wearing protective gloves, grasp the saw chain 5 and wrap it around the guide bar 4, ensuring the teeth are facing the correct direction.
5. Ensure the chain is properly set in the slot around the entire guide bar.
6. Place the saw chain around the sprocket 20. While lining up the slot on the guide bar with chain tensioning pin 21, and the bolts 22, on the base of the tool as shown in Fig. E.
7. Once in place, hold the bar still, replace sprocket cover 6. Make sure bolt holes on the cover line up with the bolts 22, on the main housing.
8. Install the bar lock nuts 7 and rotate clockwise with the wrench 17 provided until snug, then loosen the nut(s) one full turn, so that the saw chain can be properly tensioned.
9. Using the flat screwdriver end of the wrench 17 rotate the chain tensioning screw 8 clockwise to increase tension. Make sure the saw chain 5 is snug around the guide bar 4 as shown in Fig. F and Fig. G then tighten the bar lock nut(s) 7 until snug.
10. Follow the instructions in the section ***Adjusting Chain Tension***.

Adjusting Chain Tension (Fig. A, E–G)

NOTE: Saw chain tension should be adjusted regularly before each use.

1. With the saw still on a firm surface check the saw chain 5 tension. The tension is correct when the saw chain snaps back after being pulled 6 mm away from the guide bar 4 with light force from the middle finger and thumb as shown in Fig. F. There should be no "sag" between the guide bar and the saw chain on the underside as shown in Fig. G.
2. To adjust saw chain tension, loosen bar lock nuts 7.
3. Rotate the chain tension screw 8 located on the sprocket cover using the flat screwdriver end of the wrench 17.
4. Check saw chain tension, adjust if needed.
5. Do not over-tension the saw chain as this will lead to excessive wear and will reduce the life of the guide bar and saw chain.
6. Once saw chain tension is correct, tighten bar lock nuts 7 until tight using 6 ft. lbs. (8 Nm) of torque.
7. A new chain stretches slightly during the first few hours of use. It is important to check the tension frequently (after removing the battery pack) during the first 2 hours of use.

Replacing the Saw Chain (Fig. A, E, H)

CAUTION: *Sharp chain. Always wear protective gloves when handling the chain. The chain is sharp and can cut you when it is not running.*

WARNING: *Sharp moving chain. To prevent accidental operation, ensure the battery is removed from the tool is unplugged before performing the following operations. Failure to do this could result in serious personal injury.*

1. To remove the saw chain 5, place the saw on a flat, firm surface.
2. Remove sprocket cover 6 as described in ***Installing the Guide Bar and Saw Chain*** section.
3. Rotate the chain tension screw 8 using the flat screwdriver end of the wrench 17. Turning the screw counterclockwise allows the guide bar 4 to recede and reduces the tension on the chain so that it may be removed.
4. Wearing protective gloves, grasp the saw chain and lift the worn saw chain out of the groove in the guide bar.
5. Flip guide bar over every time you replace the chain to ensure even wear.
6. Place the new chain in the slot of the guide bar, making sure the saw teeth are facing the correct direction by matching the arrow and graphic of the saw chain on the sprocket cover 6 shown in Fig. H.
7. Follow instructions for ***Installing the Guide Bar and Saw Chain.***

Replacement chain and bar are available from your nearest authorized service center.

- The DCMCS574 chain saw requires a replacement 45 cm chain DT20688-QZ and a replacement 45 cm bar DT20687-QZ.
- The DCMCS575 chain saw requires a replacement 50 cm chain DT20690-QZ and a replacement 50 cm bar DT20689-QZ.

Saw Chain and Guide Bar Oiling (Fig. A)

Auto Oiling System

This chainsaw is equipped with an auto oiling system that keeps the saw chain and guide bar constantly lubricated. The oil level indicator 9 shows the level of the oil in the chainsaw. If the oil level is less than a quarter full, remove the battery from the chainsaw and refill with the correct type of oil. Always empty oil tank when finished cutting.

NOTE: Use a high quality bar and chain oil for proper saw chain and bar lubrication. As a temporary substitute, a non-detergent SAE30 weight motor oil can be used. The use of a vegetable based bar and chain oil is recommended when pruning trees. Mineral oil is not recommended because it may harm trees. Never use waste oil or very thick oil. These may damage your chain saw.

Filling the Oil Reservoir

1. Unscrew counterclockwise and then remove the oil cap (10). Fill the reservoir with the recommended bar and chain oil until the oil level has reached the top of the oil level indicator (9).
2. Refit the oil cap and tighten clockwise.
3. Periodically switch the chainsaw off and check the oil level indicator to ensure the bar and chain are being properly oiled.

Transporting Chain Saw (Fig. A)

- Always remove the battery from the tool and cover the guide bar (4) with the scabbard (11) when transporting the saw.

OPERATION

Instructions for Use

WARNING: *Always observe the safety instructions and applicable regulations.*

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.*

Proper Hand Position (Fig. I)

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.*

Proper hand position requires the left hand on the front handle (13), with the right hand on the rear handle (12).

Operating the Chain Saw (Fig. A, I–K)

WARNING: *Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.*

- *Guard Against Kickback which can result in severe injury or death. See* **General Power Tool Safety Warnings** *and* **General Chainsaw Safety Warnings,** *and* **Causes and Operator Prevention of Kickback** *and* **Kickback Safety Features**, *to avoid the risk of kickback.*
- *Do not overreach. Do not cut above chest height. Make sure your footing is firm. Keep feet apart. Divide your weight evenly on both feet.*
- *Use a firm grip with your left hand on the front handle (13) and your right hand on the rear handle (12) so that your body is to the left of the guide bar.*
- *Do not hold chain saw by chain brake/front hand guard (3). Keep elbow of left arm locked so that left arm is straight to withstand a kickback.*

WARNING: *Never use a cross-handed grip (left hand on the rear handle and right hand on the front handle).*

WARNING: *Never allow any part of your body to be in line with the guide bar (4) when operating the chain saw.*

- *Never operate while in a tree, in any awkward position or on a ladder or other unstable surface. You may lose control of saw causing severe injury.*
- *Keep the chain saw running at full speed the entire time you are cutting.*
- *Allow the saw chain to cut for you. Exert only light pressure. Do not put pressure on chain saw at end of cut.*

WARNING: When not in use always have the chain brake engaged and battery removed.

Setting the Chain Brake (Fig. K)

Your chain saw is equipped with a chain braking system which will stop the chain quickly in case of kickback.

1. Remove the battery from the tool.
2. To engage the chain brake, push the chain brake/front hand guard (3) forward until it clicks into place.
3. Pull the chain brake/front hand guard (3) towards the front handle (13) into the "set" position as shown in Fig. K.
4. The tool is now ready to use.

NOTE: In the event of kickback, your left hand will come in contact with the front guard, pushing it forward, toward the workpiece. This will stop the tool.

Testing the Chain Brake (Fig. A, K)

Test the chain brake before every use to make sure it operates correctly.

1. Place the tool on a flat, firm surface. Make sure the saw chain (5) is clear of the ground.
2. Grip the tool firmly with both hands and turn the chain saw on.
3. Rotate your left hand forward around the front handle (13) so the back of your hand comes in contact with the chain brake/front hand guard (3) and push it forward, toward the workpiece. The saw chain should stop immediately.

NOTE: If saw does not stop immediately, stop use of tool and bring it to an authorized service center nearest you.

WARNING: Make sure to set chain brake before cutting.

ON/OFF Switch (Fig. J)

Always be sure of your footing and grip the chain saw firmly with both hands with the thumb and fingers encircling both handles.

1. To turn the unit on, push down on the the lock off lever ❷, shown in Fig. J, and squeeze the trigger switch ❶. Once the unit is running, you may release the lock off lever.
2. In order to keep the unit running you must continue to squeeze the trigger. To turn the unit off, release the trigger.

NOTE: If too much force is applied while making a cut the saw will turn off. To restart saw, you must release the trigger switch ❶ before the saw will restart. Begin your cut again this time with less force. Allow the saw to cut at its own pace.

WARNING: Never attempt to lock a switch in the ON position.

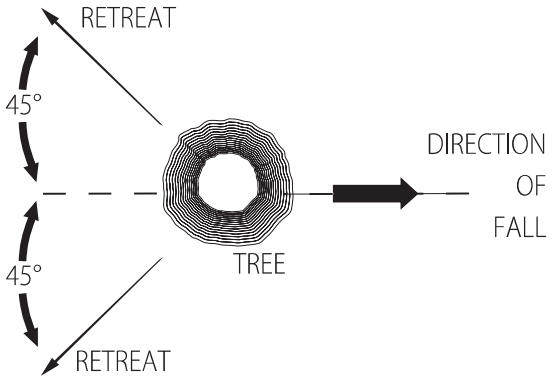
Common Cutting Techniques

Felling

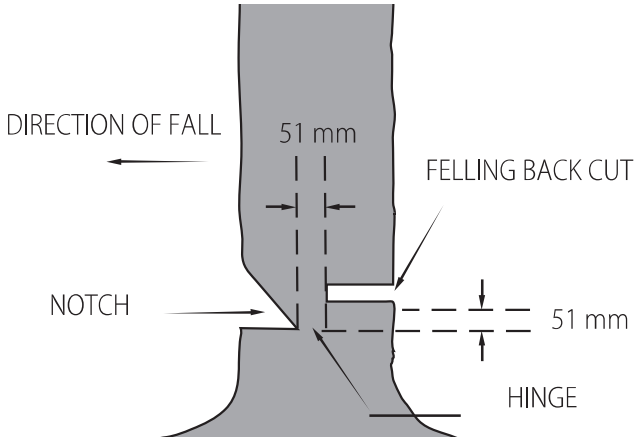
The process of cutting down a tree. Do not fell trees in high wind conditions.

WARNING: *Felling can result in injury. It should only be performed by a trained person.*

- A retreat path should be planned and cleared as necessary before cuts are started. The retreat path should extend back and diagonally to the rear of the expected line of fall as shown below.

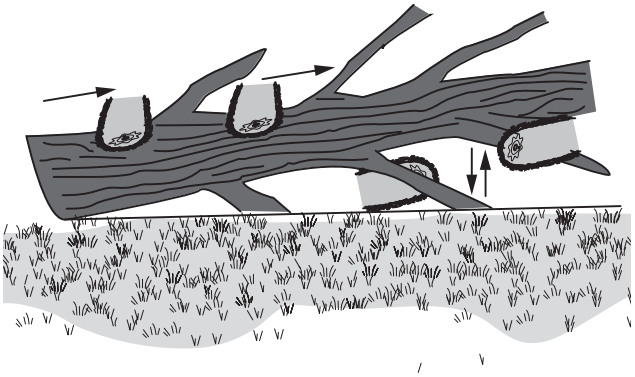


- Before felling is started, consider the natural lean of the tree, the location of larger branches and the wind direction to judge which way the tree will fall. Have wedges (wood, plastic or aluminum) and a heavy mallet handy. Remove dirt, stones, loose bark, nails, staples, and wire from the tree where the felling cuts are to be made.
- **Notching Undercut -** Make the notch 1/3 of the diameter of the tree, perpendicular to the direction of the fall. Make the lower horizontal notching cut first. This will help to avoid pinching of either the saw chain or the guide bar when the second notch cut is being made as shown below.
- **Felling Back Cut -** Make the felling back cut at least 51 mm higher than the horizontal notching cut. Keep the felling back cut parallel to the horizontal notching cut. Make the felling back cut so enough wood is left to act as a hinge. The hinge wood keeps the tree from twisting and falling in the wrong direction. Do not cut through the hinge as shown below.
- As the felling cut gets close to the hinge the tree should begin to fall. If there is any chance that the tree may not fall in the desired direction or it may rock back and bind the saw chain, stop cutting before the felling cut is complete and use wedges to open the cut and drop the tree along the desired line of fall. When the tree begins to fall remove the chainsaw from the cut, stop the motor, put the chainsaw down, then use the retreat path planned. Be alert for overhead limbs falling and watch your footing.



Limbing

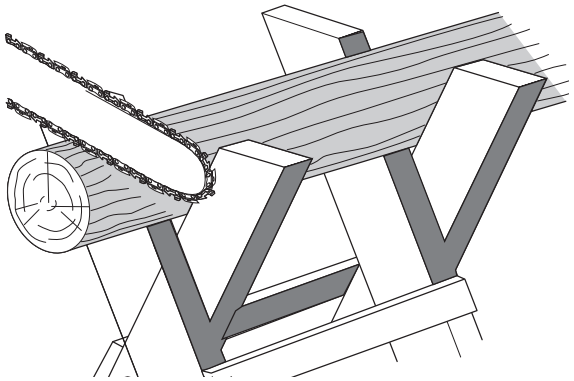
Removing the branches from a fallen tree. When limbing, leave larger lower limbs to support the log off the ground. Remove the small limbs in one cut. Branches under tension should be cut from the bottom of the branch towards the top to avoid binding the chainsaw as shown below. Trim limbs from opposite side keeping tree stem between you and saw. Never make cuts with saw between your legs or straddle the limb to be cut.



Bucking

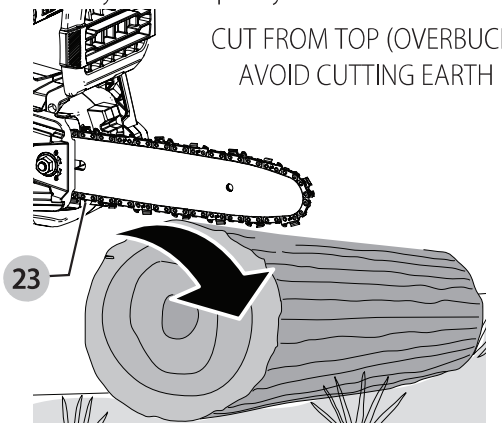
WARNING: *Recommend that first time users should practice cutting on a saw horse.*

Cutting a felled tree or log into lengths. How you should cut depends on how the log is supported. Use a saw horse whenever possible as shown below.

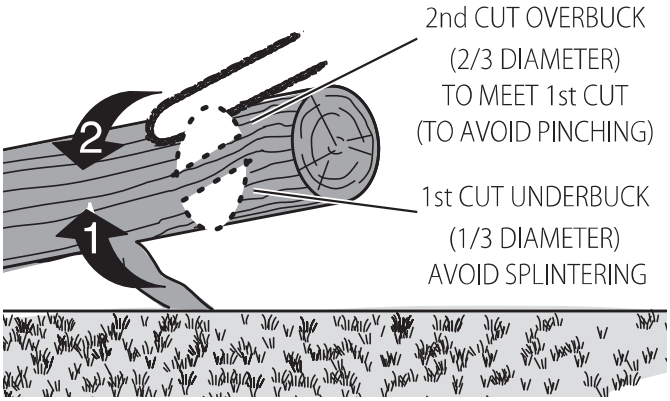


1. Always start a cut with the saw chain running at full speed.

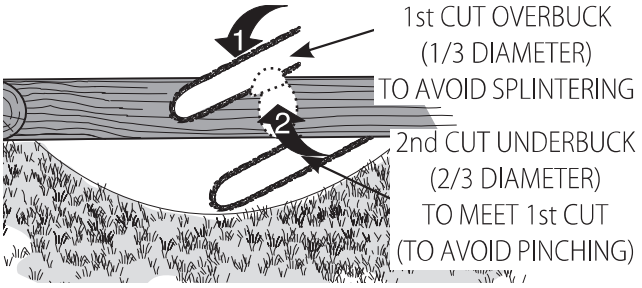
2. Place the bottom spike **23** of the chainsaw behind the area of the initial cut as shown below.
3. Turn the chainsaw on then rotate the saw chain and bar down into the tree, using the spike as a hinge.
4. Once the chainsaw gets to a 45 ° angle, level the chainsaw again and repeat steps until you cut fully through.
5. When the tree is supported along its entire length, make a cut from the top (overbuck), but avoid cutting the earth as this will dull your saw quickly.



- When supported at one end first, cut 1/3 the diameter from the underside (underbuck). Then make the finishing cut by overbucking to meet the first cut as shown below.



- When supported at both ends. First, cut 1/3 down from the top overbuck. Then make the finished cut by underbucking the lower 2/3 to meet the first cut as shown below.



- When on a slope always stand on the uphill side of the log. When "cutting through", to maintain complete control reduce the cutting pressure near the end of the cut without relaxing your grip on the chain saw handles. Don't let the chain contact the ground. After completing the cut, wait for the saw chain to stop before you move the chain saw. Always stop the motor before moving from cut to cut.

MAINTENANCE

Your 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.

Saw Chain Sharpness

CAUTION: *Sharp chain. Always wear protective gloves when handling the chain. The chain is sharp and can cut you when it is not running.*

IMPORTANT: The chain cutters will dull immediately if they touch the ground, stones, masonry or a nail while cutting.

To get the best possible performance from your chain saw it is important to keep the teeth of the saw chain sharp. Chain sharpening services are available from your nearest DEWALT service center.

NOTE: Each time the saw chain is sharpened, it loses some of the reduced kickback qualities and extra caution should be used. It is recommended that a saw chain be sharpened no more than four times.

Lubrication

Your power tool requires no additional lubrication.

Cleaning

WARNING: *Blow dirt and dust out of the main housing 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.*

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.*

Optional Accessories

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

Consult your dealer for further information on the appropriate accessories.

Protecting the Environment



Separate collection. Products and batteries marked with this symbol must not be disposed of with normal household waste.

Products and batteries contain materials that can be recovered or recycled reducing the demand for raw materials. Please recycle electrical products and batteries according to local provisions. Further information is available 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.

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