







Fig. A

17 24 13 16 22 12 XXXX XX XX

Fig. B



Fig. C Fig. D 18

13 8 13 22

7

Fig. E Fig. F

5 4

1/8" (3 mm)

Fig. G Fig. H

26



Fig. I Fig. J 4 21 30 12

Fig. K Fig. L

15

Fig. N

0.025" (0.635 mm)

Fig. M



# 18V PRUNER SAW DCMPS520

# Congratulations!

You have chosen a D <code>eWALT</code> tool. Years of experience, thorough product development and innovation make D <code>eWALT</code> one of the most reliable partners for professional power tool users.

# **Technical Data**

|                               |             | DCMPS520 |  |  |
|-------------------------------|-------------|----------|--|--|
| Voltage                       | $V_{_{DC}}$ | 18       |  |  |
| Туре                          |             | 1        |  |  |
| Battery type                  |             | Li-lon   |  |  |
| Bar Length                    | cm          | 20       |  |  |
| Maximum Chain Speed (no-load) | m/s         | 8.6      |  |  |
| Maximum Cutting Length        | cm          | 15       |  |  |
| Oil Capacity                  | ml          | 55       |  |  |
| Weight (without battery pack) | kg          | 2.1      |  |  |

Noise values and vibration values (triax vector sum) according to EN62841-4-1:

| ${\sf L}_{\sf PA}$ (emission sound pressure level at no load) | dB(A)            | 84  |
|---|------------------|-----|
| L <sub>wa</sub> (sound power level at no load)                | dB(A)            | 92  |
| K (uncertainty for the given sound level)                     | dB               | 3.0 |
| Vibration emission value a h                                  | m/s²             | 4.7 |
| Uncertainty K =   | m/s <sup>2</sup> | 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 EN62841 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 is 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

# **EC-Declaration of Conformity**

### **Machinery Directive**



# Pruner Saw DCMPS520

DeWALT declares that these products descr Technical Data are in compliance with:

2006/42/EC, EN62841-1:2015+A11:2022, V

EC type-examination
VDE Prüf- und Zertifizierungsins
Merianstraße 28, 63069 Offenbar

Notified Body number : 0
ID number: 4005673

2000/14/EC, Annex

 $L_{_{WA}}$  (measured sound power level  $L_{_{WA}}$  (guaranteed sound power)

These products also comply with Directive 2 2011/65/EU. For more information, please of the following address or refer to the back of the

The undersigned is responsible for compilat file and makes this declaration on behalf of D

Markus Rompel Vice-President Engineering, PTE-Europe DeWALT, Richard-Klinger-Straße 11, 65510, Idstein, Germany 10.05.2023



#### **Batteries**

#### Chargers/Charge Times (Minutes)\*\*\*

| Cat #     | V <sub>DC</sub> | Ah       | Weight (kg) | ) DCB104 | DCB107 | DCB112/<br>DCB1102 | DCB113 | DCB115/<br>DCB1104 | DCB116  | DCB117  | . D(  |
|-----------|-----------------|----------|-------------|----------|--------|--------------------|--------|--------------------|---------|---------|-------|
| DCB546    | 18/54           | 6.0/2.0  | 1.08        | 60       | 270    | 170                | 140    | 90                 | 80      | 40      |       |
| DCB547    | 18/54           | 9.0/3.0  | 1.46        | 75*      | 420    | 270                | 220    | 135*               | 110*    | 60      |       |
| DCB548    | 18/54           | 12.0/4.0 | 1.46        | 120      | 540    | 350                | 300    | 180                | 150     | 80      |       |
| DCB181    | 18              | 1.5      | 0.35        | 22       | 70     | 45                 | 35     | 22                 | 22      | 22      |       |
| DCB182    | 18              | 4.0      | 0.61        | 60/40**  | 185    | 120                | 100    | 60                 | 60/45** | 60/40** | 60/40 |
| DCB183    | 18              | 2.0      | 0.40        | 30       | 90     | 60                 | 50     | 30                 | 30      | 30      |       |
| DCB184/B  | 18              | 5.0      | 0.62        | 75/50**  | 240    | 150                | 120    | 75                 | 75/60** | 75/50** | 75/50 |
| DCB187    | 18              | 3.0      | 0.54        | 45       | 140    | 90                 | 70     | 45                 | 45      | 45      |       |
| DCB189    | 18              | 4.0      | 0.54        | 60       | 185    | 120                | 100    | 60                 | 60      | 60      |       |
| DCBP034/G | 18              | 1.7      | 0.32        | 27       | 82     | 50                 | 40     | 27                 | 27      | 27      |       |
|           |                 |          |             |          |        |                    |        |                    |         |         |       |

<sup>\*</sup>Date code 201811475B or later

# DECLARATION OF CONFORMITY THE SUPPLY OF MACHINERY (SAFETY) REGULATIONS 2008

#### **Pruner Saw**

### DCMPS520

D<sub>e</sub>WALT 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), EN 62841-1:2015+A11:2022, VDE-PB-0023:2022-08.

UKCA Type Examination by

Technology International (Europe) Ltd

56 Shrivenham Hundred Business Park, Watchfield, Swindon, SN6 8TY, Great Britain

Body number: 0673

UK Machinery Type-examination Certificate Number: TI(E) / SOMSR(08) – UKTE / 110 / 05052023

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) 96 dB(A)

 $L_{_{WA}}$  (guaranteed sound power) 99 dB(A)

These products conform to the following UK Regulations Electromagnetic Compatibility Regulations, 2016, S.I.2016/1091 (as amended).

Paul Featherstone

Product Director - Outdoor Products Group

DeWALT, UK,

270 Bath Road, Slough

Birkshire SL1 4DX

England

10.05.2023

WARNING: To reduce the risk of injury instruction manual.

# **Definitions: Safety Guid**

The definitions below describe the level of seve signal word. Please read the manual and pay a these symbols.

DANGER: Indicates an imminently situation which, if not avoided, will resuserious injury.

WARNING: Indicates a potentially had which, if not avoided, could result in de-

serious injury.

CAUTION: Indicates a potentially ha

<sup>\*\*</sup>Date code 201536 or later

<sup>\*\*\*</sup>Battery charge times matrix provided for guidance only; charge times will vary depending on temperature and condition of batteries.



#### 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

- c ) Prevent unintentional starting. Ensits in the off position before connecting source and/or battery pack, picking the tool. Carrying power tools with your switch or energising power tools that he invites accidents.
- d) Remove any adjusting key or wrench the power tool on. A wrench or a key ke to a rotating part of the power tool may personal injury.
- e) Do not overreach. Keep proper footil at all times. This enables better control in unexpected situations.
- f) Dress properly. Do not wear loose clo jewellery. Keep your hair and clothin moving parts. Loose clothes, jewellery caught in moving parts.
- g) If devices are provided for the conne extraction and collection facilities connected and properly used. Use can reduce dust-related hazards.
- h) Do not let familiarity gained from free tools allow you to become complace tool safety principles. A careless action injury within a fraction of a second.

#### 4) Power Tool Use and Care

- a) Do not force the power tool. Use the tool for your application. The correct will do the job better and safer at the rate was designed.
- b) Do not use the power tool if the switch it on and off. Any power tool that cannwith the switch is dangerous and must
- c ) Disconnect the plug from the power or remove the battery pack, if detact the power tool before making any changing accessories, or storing popreventive safety measures reduce the power tool accidentally.
- d) Store idle power tools out of the read and do not allow persons unfamil tool or these instructions to operate Power tools are dangerous in the hand
- e ) Maintain power tools and accessorie misalignment or binding of movin of parts and any other condition that power tool's operation. If damaged, tool repaired before use. Many accided poorly maintained power tools.



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 authorised service providers.

### **Pruner Safety Warnings**

a) Keep all parts of the body away from the saw chain when the pruner is operating. Before you start the pruner, make sure the saw chain is not contacting anything. A moment of inattention while operating

- Saw chains contacting a "live" wire ma metal parts of the pruner "live" and con an electric shock.
- d) Wear safety glasses and hearing protective equipment for, head, hearing feet is recommended. Adequate proceeding reduce personal injury from flying debicontact with the saw chain.
- e ) Do not operate a pruner saw in a trefrom a rooftop, or any unstable so of a pruner saw in this manner could re personal injury.
- f) Always keep proper footing and open only when standing on fixed, secure surface. Slippery or unstable surfaces balance or control of the pruner.
- g) When cutting a limb that is under ten for spring back. When the tension in the released, the spring loaded limb may s and/or throw the pruner out of control.
- h ) Use extreme caution when cutting saplings. The slender material could c and be whipped toward you or pull you
- i) Carry the pruner with the pruner sw away from your body. When trans the pruner always fit the guide bar of handling of the pruner will reduce the accidental contact with the moving
- j) Follow instructions for lubricating, of and changing the bar and saw chain tensioned or lubricated chain could be pruner chain.
- k) Keep handles dry, clean, and free fro and grease. Greasy, oily handles ar causing loss of control.
- Cut wood only. Do not use pruner for intended. For example: do not us metal, plastic, masonry or non-we materials. Use of the pruner for operating intended could result in a hazardous s.
- m) Maintain a firm grip, with thumbs encircling the pruner handles, wit the pruner. Maintaining control of reduce the risk of losing control. Do no pruner.
- n ) Do not overreach and do not cut abo height. This enables better control of the



- q) This pruner is not intended for tree felling. Use of the pruner for operations different than intended could result in serious injury to the operator or bystander.
- r) Follow all instructions when clearing jammed material, storing or servicing the pruner saw. Make sure the switch is off and the battery pack is removed.

#### 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 pruner user, you should take several steps to keep your cutting jobs free from accident or injury.

Kickback is the result of tool 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 pruner 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 pruner.
- b) Do not overreach and do not cut above shoulder height. This helps prevent unintended tip contact and enables better control of the pruner in unexpected situations.
- c) Only use replacement bars and chains specified by the manufacturer. Incorrect replacement bars and 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 pruner firmly with both hands when the motor is running. Use a firm grip with thumbs and fingers encircling the pruner handles. Pruner 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.
  - R Koon proper feeting and balance at all times

- 8 . Never let the moving saw chain contact a tip of the guide bar.
- 9 . Keep the working area free from obstruction as other trees, branches, rocks, fences, Eliminate or avoid any obstruction that you hit while you are cutting through a particular
- 10 . Keep your saw chain sharp and properl loose or dull chain can increase the cha Check tension at regular intervals with the tool unplugged, never with the motor running
- 11 . Begin and continue cutting only with the at full speed. If the chain is moving at a slower a greater chance for kickback to occur.
- 12. Cut one log at a time.
- 13. Use extreme caution when re-entering a Engage the ribbed bumpers 21 onto the chain to reach full speed before proceeding
- 14. Do not attempt plunge cuts or bore cuts
- 15. Watch for shifting logs or other forces the cut and pinch or fall into chain.

#### Kickback Safety Features

WARNING: The following features are saw to help reduce the hazard of kickly features will not totally eliminate this d As a pruner user do not rely only on safet must follow all safety precautions, inst maintenance in this manual to help avother forces which can result in seriou

- Reduced-Kickback Guide Bar, designed wi tip which reduces the size of the kickback dang bar tip. A reduced-kickback guide bar is one we been demonstrated to significantly reduce seriousness of kickbacks when tested in ac requirements for electric pruners.
- Low-Kickback Chain, designed with a conte and guard link which deflects kickback force to gradually ride into the cutter. A low-kickback which has met kickback performance requil B175.1–2012.
- Do not operate pruner while in a tree, on a lade or from any unstable surface.
- Hold tool by insulated gripping surfaces who operation where the cutting tool may contact with a "live" wire will make exposed mutool "live" and shock the operator.
  - Do not attempt operations beyond your cap Read thoroughly and understand complete this manual.
- Before you start pruner, make sure saw cha



- 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.

#### **Pruner 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.
- Pruner Powerhead A pruner 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 pruner.
- Front Hand Guard A structural barrier between the front handle of a pruner 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 pruners).
- 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

- Saw Chain A loop of chain having cutting wood, and that is driven by the motor and i guide bar.
- Ribbed Bumper The ribs used when fellin pivot the saw and maintain position while s
- Switch A device that when operated will c interrupt an electrical power circuit to the m
- Switch Linkage The mechanism that trans a trigger to the switch.
- Switch Lockout A movable stop that preve unintentional operation of the switch unt

#### **Residual Risks**

In spite of the application of the relevant safety and the implementation of safety devices, certa cannot be avoided. These are:

- Impairment of hearing.
- · Risk of personal injury due to flying particle
- Risk of burns due to accessories becoming ho during operation.
- Risk of personal injury due to prolonged us

# SAVE THESE INSTRUCT

# Chargers

DeWALT chargers require no adjustment and a as easy as possible to operate.

#### **Electrical Safety**

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

Your D eWALT charger is double in accordance with EN60335; there is required.

If the supply cord is damaged, it must be replace DeWALT 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
  - Connect the blue lead to the neutral termin WARNING: No connection is to be ma earth terminal.

Follow the fitting instructions supplied with g



# 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 D eWALT 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 D <sub>e</sub>WALT 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

- reassembly may result in a risk of electric s or fire.
- in case of damaged power supply cord, the be replaced immediately by the manufactur or similar qualified person to prevent any ha
- Disconnect the charger from the outlet the attempting any cleaning. This will reduce electric shock. Removing the battery pack this risk.
- NEVER attempt to connect two chargers to
- The charger is designed to operate on s 230V household electrical power. Do no use it on any other voltage. This does not a vehicular charger.

#### Charging a Battery (Fig. B)

nOTE: To ensure maximum performance an battery packs, charge the battery pack fully before

- Plug the charger into an appropriate out battery pack.
- Insert the battery pack 16 into the charbettery pack is fully seated in the charger. Iight will blink repeatedly indicating that process has started.
- The Stage 1 charging blink indicator represe charge process that charges the majority of capacity. Stage 2 charging blink indicator reremainder, or top off charge process, for the full capacity.
- 4. The completion of charge for Stage 1 or Stage indicated by the stage's light remaining. The battery pack is fully charged when both Stage 2 charging lights remain ON continue be removed and used at this time or left in

nOTE: To remove the battery pack, some charge battery pack release button 17 to be presented to the indicators below for the charge state battery pack.

Indicators

Stage 1 Charging

Stage 2 Charging

Fully Charged

Hot/Cold Pack Delay\*



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-lon 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.

## READ ALL INSTRUCT

- Do not charge or use battery in explo such as in the presence of flammable lid dust. Inserting or removing the battery from ignite the dust or fumes.
- Never force battery pack into charger battery pack in any way to fit into a no charger as battery pack may rupture personal injury.
- · Charge the battery packs only in D eW
- · DO NOT splash or immerse in water or oth
- Do not store or use the tool and battery where the temperature may fall below 4 (such as outside sheds or metal building reach or exceed 40 °C (104 °F) (such as outside sheds or metal buildings in summer).
- Do not incinerate the battery pack even damaged or is completely worn out. The explode in a fire. Toxic fumes and materials lithium-ion battery packs are burned.
- If battery contents come into contact immediately wash area with mild soal battery liquid gets into the eye, rinse water for 15 minutes or until irritation ceases. If m is needed, the battery electrolyte is composliquid organic carbonates and lithium sa
- Contents of opened battery cells may irritation. Provide fresh air. If symptoms per medical attention.

WARNING: Burn hazard. Battery liquid flammable if exposed to spark or flame WARNING: Never attempt to open the any reason. If battery pack case is crado not insert into charger. Do not crush battery pack. Do not use a battery pack has received a sharp blow, been dropp damaged in any way (i.e., pierced with a hammer, stepped on). Electric shock may result. Damaged battery packs sheervice centre for recycling. WARNING: Fire hazard. Do not sto.

warning: Fire hazard. Do not stop battery pack so that metal objects exposed battery terminals. For exal the battery pack in aprons, pockets, to boxes, drawers, etc., with loose nails, CAUTION: When not in use, place

a stable surface where it will not cal

#### Rattery Packs



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 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 D eWALT 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, DeWALT 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 FIEXVOIT  $\ ^{\text{TM}}$  Battery The D  $_{\text{e}}$ WALT FLEXVOLT  $\ ^{\text{TM}}$  battery has two modes: Use and Transport.

Use Mode: When the FLEXVOLT  $^{\text{TM}}$  battery stands alone or is in a D  $_{\text{e}}$ WALT 18V product, it will operate as an 18V battery. When the FLEXVOLT  $^{\text{TM}}$  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

3 batteries of 36 Wh each. The Use Wh rating r 108 Wh (1 battery implied).

#### Storage Recommendations

- The best storage place is one that is cool at from direct sunlight and excess heat or battery performance and life, store batter temperature when not in use.
- For long storage, it is recommended to store battery pack in a cool, dry place out of the optimal results.

nOTE: Battery packs should not be stored condepleted of charge. The battery pack will need before use.

#### Labels on Charger and Battery Pa

In addition to the pictographs used in this malabels on the charger and the battery pack may fellowing pictographs:

Read instruction manual before us

See Technical Data for charging tir

Do not probe with conductive obje

Do not charge damaged battery pa

Do not expose to water.

Have defective cords replaced imr

Charge only between 4 °C and 40 °C

Only for indoor use.

Discard the battery pack with due car the environment.

Charge battery packs only with dechargers. Charging battery packs of designated D eWALT batteries with charger may make them burst or lead



#### **Battery Type**

The following tools operate on an 18-volt battery pack: DCMPS520.

These battery packs may be used: DCB181, DCB182, DCB183, DCB184, DCB184B, DCB187, DCB189, DCB546, DCB547, DCB548, DCBP034, DCBP034G. Refer to Technical Data for more information.

### **Package Contents**

The DCMPS520 package contains:

- 1 Pruning Saw
- 1 Guide Bar
- 1 20 cm Saw Chain
- 1 Guide Bar Cover
- 1 Wrench
- 1 Li-Ion battery pack (C1, D1, E1, G1, H1, L1, M1, P1, Q1, S1, T1, U1, X1, Y1, Z1 models)
- 2 Li-Ion battery packs (C2, D2, E2, G2, H2, L2, M2, P2, Q2, S2, T2, U2, X2, Y2, Z2 models)
- 3 Li-Ion battery packs (C3, D3, E3, G3, H3, L3, M3, P3, Q3, S3, T3, U3, X3, Y3, Z3 models)
- 1 Instruction manual

nOTE: Battery packs, chargers and kitboxes are not included with B 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 D eWALT 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 eye, ear and head protection.

Wear gloves.

Wear proper foot protection.

Always use two hands when operathe pruning saw.

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

99 Directive 2000/14/EC guaranteed s

#### Date Code Position (Fig. A)

The production date code 24 consists of by a 2-digit week and is extended by a 2-digit fa

### Description (Fig. A)

WARNING: Never modify the power to Damage or personal injury could resul

- 1 Trigger switch
- 2 Lock-off lever
- 3 Front hand guard
- 4 Guide bar
- 5 Saw chain
- 6 Bar tip guard
- 7 Chain assembly cover
- 8 Bar lock nut
- 9 Chain tensioning screw
- 10 Oil level indicator
- 11 Oil cap
- 12 Guide bar cover
- 13 Wrench
- 14 Rear handle
- 15 Front handle
- 16 Battery pack
- 17 Battery pack release button

#### Intended Use

The DCMPS520 pruner saw is designed for cut up to 15 cm in diameter. The pruner saw is not operated in a tree, on a ladder, from any unstable should always be operated with two hands.

DO nOT use under wet conditions, during he or in presence of flammable liquids or gases.

DO nOT use in dark or foggy conditions. This to with sufficient light.

These pruners are professional power tools.



# English 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 D e WALT batteries and chargers.

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

nOTE: Make sure your battery pack <sup>16</sup> is fully charged.

#### To Install the Battery Pack into the Tool Handle

- Align the battery pack with the rails inside the tool's handle (Fig. B).
- 2. Slide it into the handle 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

- Press the battery release button 17 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. B)

Some D eWALT 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 20. 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, C–G)

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

WARNING: Sharp moving chain. To prevent accidental operation, ensure that 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

- Ensure the saw chain is properly set in the entire guide bar.
- Place the saw chain around the sprocket the slot on the guide bar with chain tens the bolt 18, on the base of the tool as s
- Once in place, hold the bar still, replace charcover 7. Install the rear of the sprocket of it down and make sure the bolt hole on the with the bolt 18 on the main housing
- 8. Install the bar lock nut

  8 and rotate of wrench

  13 provided until snug, then lot turn, so that the saw chain can be properly
- Rotate the chain tensioning screw
   tension as shown in Fig. D. Make sure the
   snug around the guide bar
   <sup>4</sup> . Tighte
   until snug.
- Follow the instructions in the section Adj Chain Tension.

#### Adjusting Chain Tension (Fig. A,

WARNING: Incorrect saw chain tension saw chain to come off of the guide bar serious injury or death.

nOTE: Saw chain tension should be adjuste each use.

- With the saw still on a firm surface check th tension. The tension is correct when the sa back after being pulled 1/8" (3 mm) awa bar <sup>4</sup> with light force from the middle fi as shown in Fig. E. There should be no "sa guide bar and the saw chain on the unders Fig. F.
- 2. To adjust saw chain tension, loosen bar lock
- 3. Rotate the chain tensioning screw 9 housing using the flat screwdriver end of the
- 4. Check saw chain tension, adjust if needed.
- Do not over-tension the saw chain as this w excessive wear and will reduce the life of the saw chain.
- 6. Once saw chain tension is correct, tighten but until snug. Torque the bar lock nut
- 7. A new chain stretches slightly during the firs use. It is important to check the tension disconnecting battery remove the bat first two hours of use.

#### Replacing the Saw Chain (Fig. A

WARNING: Sharp moving chain. To



- 1. Place the saw on a flat, firm surface.
- Remove chain assembly cover <sup>7</sup> as described in Installing the Guide Bar and Saw Chain section.
- 3. To remove the saw chain 5, rotate the chain tensioning screw in the front of the housing using the flat screwdriver end of the wrench. 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.
- Ensure guide bar is installed with the bar tip guard
   positioned as shown in Fig. E.
- 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 chain assembly cover <sup>7</sup> shown in Fig. G.
- 7. Follow instructions for Installing the Guide Bar and Saw Chain.

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

The DCMPS520 requires replacement 8" (203 mm) chain DT20693. Replacement 8" (203 mm) bar DT20694.

### Saw Chain and Guide Bar Oiling (Fig. A)

#### Auto Oiling System

This pruner is equipped with an auto oiling system that keeps the saw chain and guide bar constantly lubricated.

- The oil level indicator 10 shows the level of the oil in the pruner. If the oil level is less than a quarter full, remove the battery from the pruner and refill the oil tank with the correct type of oil.
- 2. Always empty oil tank when finished cutting.
- 3. Always empty oil tank before storing this unit.

nOTE: Do not operate this pruner without oil.

nOTE: Always use a high-quality, biodegradable bar and chain oil for proper saw chain and bar lubrication. When pruning trees, vegetable-based bar and chain oil is recommended, as mineral-based oils may harm living trees. Never use dirty, used, or contaminated oil. Doing so may damage the tool.

#### Filling the Oil Reservoir

- Unscrew counterclockwise and then remove the oil cap Fill the reservoir with the recommended bar and chain oil until the oil level has reached the top of the oil level indicator 10 ·
- 2. Refit the oil cap and tighten clockwise.
- 3. Periodically switch the pruner off and check the oil

#### guide Bar Cover

- 1. To open the guide bar cover  $$^{12}$$  , lift  $\iota$  pull the two halves apart.
- Fit the guide bar cover 12 onto the guine Fig. A, H–J. Ensure that the retaining pin bar cover 12 aligns with the retaining guide bar 4.
- 3. To close the guide bar cover  $^{12}$  , closensure the latch  $^{25}$  is secured to the n

#### Wrench

- 1. Open the guide bar cover 12 to gain wrench 13 ·
- Remove the wrench 13 by lifting the way from the guide bar cover.
- Store the wrench in the guide bar cover whinstall flat screwdriver end of the wrench in slot 27 and then press the wrench end do retaining clips 28 firmly secure the wren

#### Bar Tip Guard (Fig. A)

WARNING: Never operate the prun bar tip guard properly mounted on t prevent rotational kickback.

The bar tip guard 6 reduces the chance of at the end of the guide bar 4 from comin objects which may cause the bar and saw chair towards the operator. In addition to reducing the kickback, the bar tip guard 6 will reduce the chain from touching the ground.

#### Transporting Pruner (Fig. A, I)

Always turn unit off, remove the battery and bar <sup>4</sup> with the guide bar cover <sup>12</sup> with the pruner.

#### **OPERATION**

11 .

#### Instructions for Use

WARNING: Always observe the safety applicable regulations. WARNING: To reduce the risk of se injury, turn tool off and disconnect b

before making any adjustments of

installing attachments or accessorie start-up can cause injury.

#### Proper Hand Position (Fig. A, K)

WARNING: To reduce the risk of serio



### Operating the Pruner (Fig. A)

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 Important Safety Instructions
   Causes and Operator Prevention of Kickback, 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 <sup>15</sup> and your right hand on the rear handle <sup>14</sup> so that your body is to the left of the guide bar.

WARNING: Do not hold pruner by front hand guard.

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 when operating the pruner.

- Never operate pruner while in a tree, in any awkward position or on a ladder or other unstable surface. You may lose control of pruner causing severe injury.
- Keep the pruner running at full speed the entire time you are cutting.
- Allow the chain to cut for you. Exert only light pressure.

  Do not put pressure on pruner at end of cut.

WARNING: When not in use always have the chain brake (if equipped) engaged, unit turned off and remove the battery pack.

WARNING: Never operate the pruner without the bar tip guard properly mounted on the guide bar to prevent rotational kickback.

# ON/OFF Switch (Fig. A)

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

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

- To turn the unit on, push down on the lock-off lever
   shown in Fig. A, and squeeze the trigger switch
   in it is running, you may release the lock-off lever.
- To keep the unit running you must continue to squeeze the trigger switch

nOTE: If too much force is applied while making pruner will turn off. To restart pruner, you must r lock-off lever <sup>2</sup> and the trigger switch <sup>1</sup> restart. Begin your cut again, this time with less pruner to cut at its own pace.

# Common Cutting Techniques

# Limbing

Removing the branches from a fallen tree. Whe larger lower limbs to support the log off the grouthe small limbs in one cut. Branches under tens cut from the bottom of the branch towards the tobinding the pruner as shown below. Trim lim side keeping tree stem between you and pruner cuts with pruner between your legs or straddle to be cut.

#### Bucking

WARNING: Recommend that first-time practice cutting on a pruner horse.

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

- Always start a cut with the pruner chain run full speed.
- 2. Place the ribbed bumper 21 of the pr



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 pruner quickly.

CUT FROM TOP (OVERBUCK)

AVOID CUTTING EARTH

21

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.

2nd CUT OVERBUCK
(2/3 DIAMETER)
TO MEET 1st CUT
(TO AVOID PINCHING)

1st CUT UNDERBUCK (1/3 DIAMETER) AVOID SPLINTERING

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.

> 1st CUT OVERBUCK (1/3 DIAMETER) TO AVOID SPLINTERING

2nd CUT UNDERBUCK
(2/3 DIAMETER)
TO MEET 1st CUT
(TO AVOID PINCHING)

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 pruner handles. Don't let the chain contact the ground. After completing the cut, wait for the pruner chain to stop before you move the pruner. Always stop the motor before moving from cut to cut.

installing attachments or accessors start-up can cause injury.

The charger and battery pack are not serviceab

#### Lubrication

Refer to Auto Oiling System described in the Guide Bar Oiling section.

# Cleaning

WARNING: Electrical shock and me Disconnect the electrical appliance fro before cleaning.

WARNING: To ensure safe and efficie always keep the electrical appliance a slots clean.

WARNING: Never use solvents or other for cleaning the non-metallic parts of the chemicals may weaken the materials of Use a cloth dampened only with water Never let any liquid get inside the tool; part of the tool into a liquid.

Ventilation slots can be cleaned using a dry, brush and/or a suitable vacuum cleaner. Do not any cleaning solutions. Wear approved eye approved dust mask.

#### Saw Chain and Guide Bar

After every few hours of use, remove the chain guide bar and saw chain and clean thoroughly ubristle brush. Ensure oiling hole on bar is clear

# Sprocket and Chain Assembly C (Fig. A, C–G)

CAUTION: Sharp chain. Always wear when handling the saw chain. The sav can cut you when it is not running.

WARNING: Sharp moving chain. To operation, ensure the battery is remove before performing the following operate this could result in serious personal injuries.

- 1. Place the saw on a flat, firm surface.
- 2. Remove chain assembly cover <sup>7</sup> as the Guide Bar and Saw Chain section.
- Wearing protective gloves, use a clean, soft wipe away any saw dust, sticks, vines or ot may have collected inside the chain assem around the saw chain



# **English**

7. Install the chain, guide bar and chain assembly cover as described in Installing the Guide Bar and Saw Chain, Replacing the Saw Chain sections and adjust chain tension properly before use as described in the Adjusting Chain Tension section.

#### **Optional Accessories**

WARNING: Since accessories, other than those offered by D eWALT, have not been tested with this product, use of such accessories with this tool could be hazardous.

To reduce the risk of injury, only D eWALT-recommended accessories should be used with this product.

Consult your dealer for further information on the appropriate accessories.

#### Saw Chain Sharpening (Fig. L-N)

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 that battery is removed from the tool before performing the following operations. Failure to do this could result in serious personal injury.

WARNING: Do not over file chain rakers, this will increase the risk of kickback. If the chain has been sharpened more than four times, replace it.

Each time the chain is sharpened, it loses some of the low kickback qualities and extra caution should be used.

It is recommended that a saw chain be sharpened no more than four times.

nOTE: The cutters will dull immediately if they touch the ground/dirt or a nail while cutting.

To get the best possible performance from your pruner it is important to keep the teeth of the saw chain sharp. Follow these helpful tips for proper saw chain sharpening:

- For best results use a 11/64" (4.5 mm) file and a file holder or filing guide to sharpen your saw chain. This will ensure you always get the correct sharpening angles.
- 2. Place the file holder flat on the top plate and depth gauge of the cutter.
- 3. Keep the correct top plate  $_{23}$  filing angle line of 30  $^{\circ}$  on your file guide parallel with your chain (file at 60  $^{\circ}$  from chain viewed from the side) as shown in Fig. L.
- 4. Sharpen cutters on one side of the chain first. File from the inside of each cutter to the outside. Then turn your saw around and repeat the processes (2, 3, 4) for cutters on the other side of the chain.

nOTE: Use a flat file to file the tops of the rakers (portion

# Protecting the Environment

Separate collection. Products and b with this symbol must not be dispos household waste.

Products and batteries contain material recovered or recycled, reducing the demand for Please recycle electrical products and batteries provisions. Further information is available at

#### Rechargeable Battery Pack

This long-life battery pack must be recharged when produce sufficient power on jobs that were easily do end of its technical life, discard it with due care for c

- Run the battery pack down completely, the tool.
- Li-lon cells are recyclable. Take them to yo local recycling station. The collected batter recycled or disposed of properly.









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| Ireland                        | D <sub>e</sub> WALT   | Tel:            | 00353-2781800                    | www.d            |
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Sanayi ve Ticareet Bakanlığı tebliğince kullanim ömrü 7 yıldır.

Stanley Black & Decker Turkey Alet Üretim San. Tic. Ltd.Şti.

AND Kozyatağı - İçerenköy Mah. Umut Sok. AND Ofis Sit. No: 10-12 / 82-83-84

# Total Company State Reference