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SFMCPS415

Fig. A

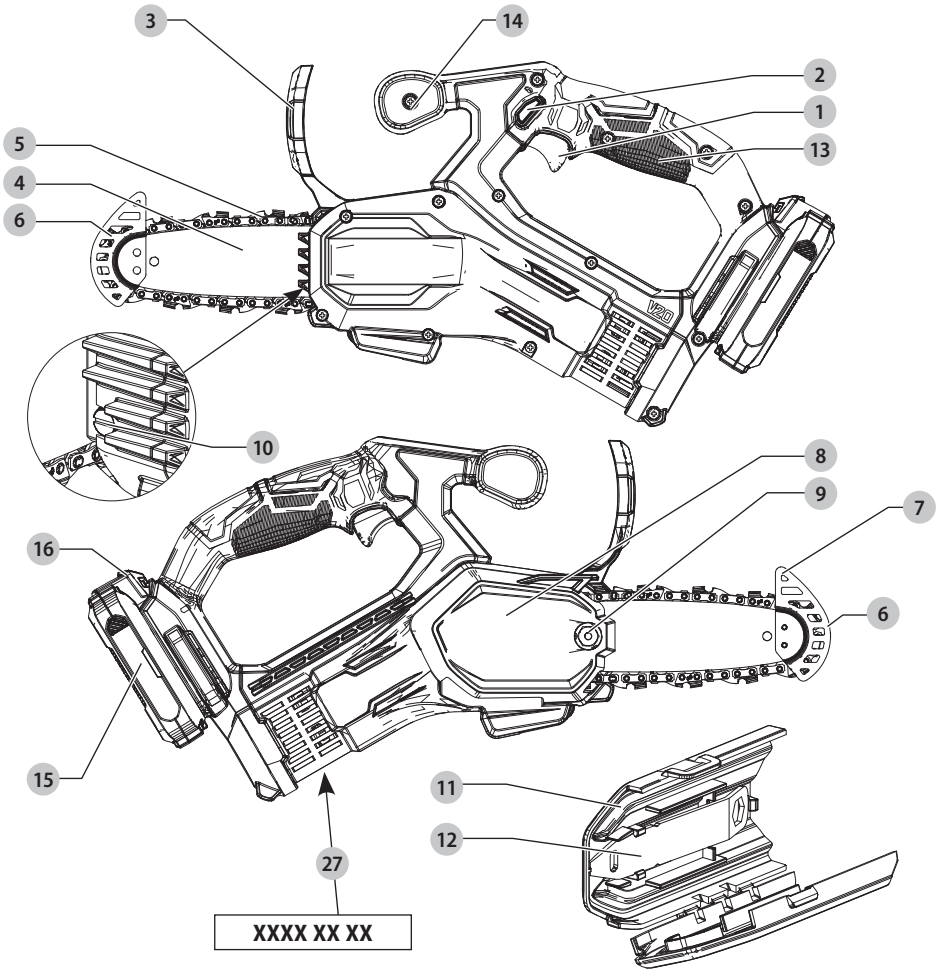
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Fig. B

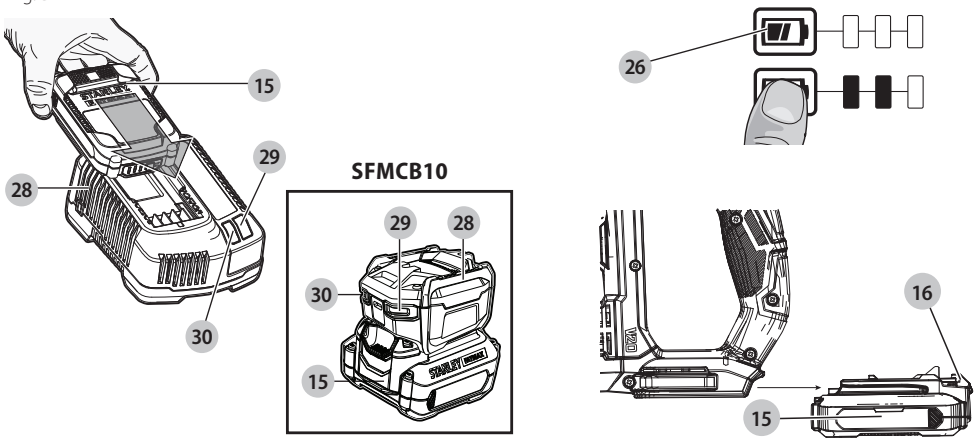
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Fig. C

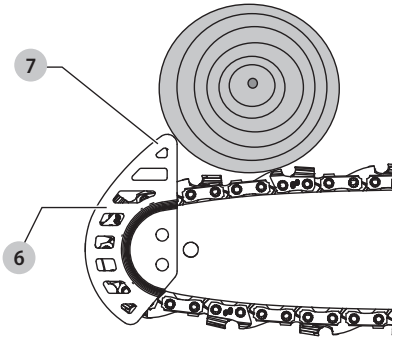
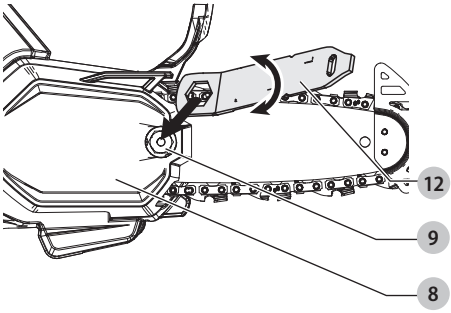


Fig. D



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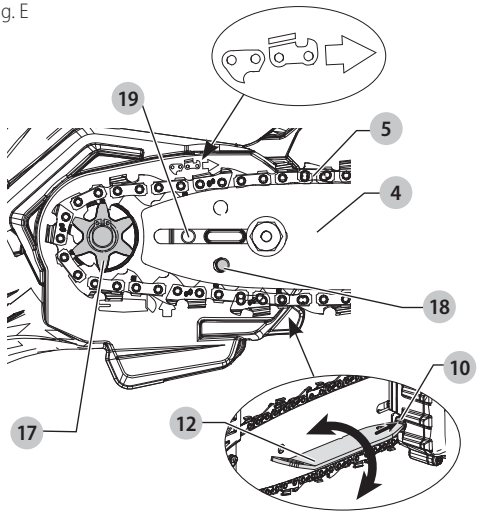

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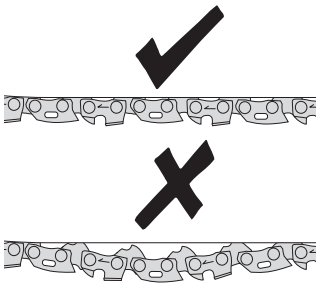

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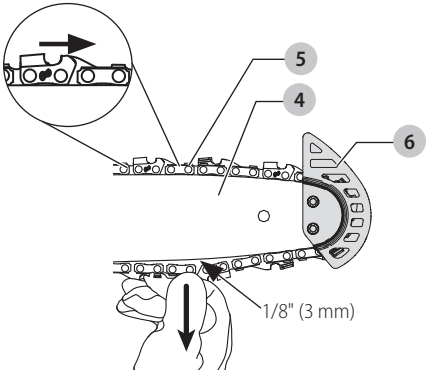

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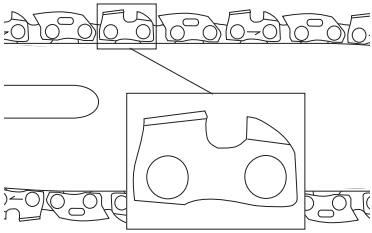
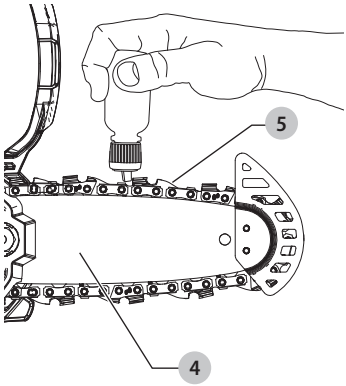


Fig. I



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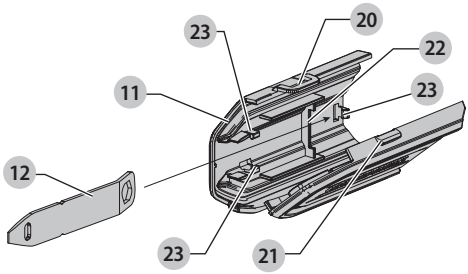

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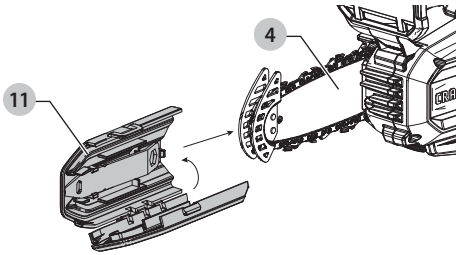

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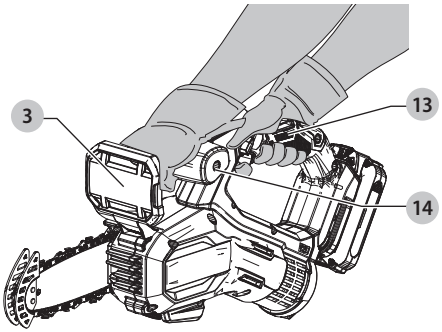

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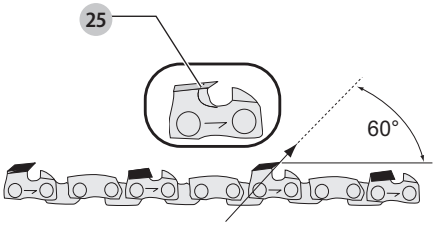


Fig. N

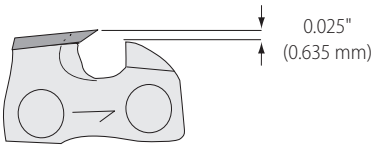
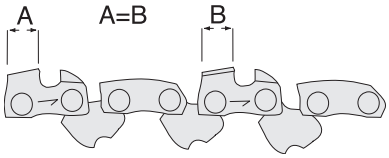


Fig. O



18V CORDLESS PRUNING SAW
SFMCPS415

Congratulations!

You have chosen a STANLEY FATMAX tool. Years of experience, thorough product development and innovation make STANLEY FATMAX one of the most reliable partners for professional power tool users. This saw is intended for professional and private, non professional users.

Technical Data

		SFMCPS415
Voltage	V_{DC}	18
Type		1
Battery type		Li-Ion
Bar Length	cm	15
Maximum Chain Speed (no-load)	m/s	4.4
Maximum Cutting Length	cm	10
Weight (without battery pack)	kg	2.36

Noise values and vibration values (triax vector sum) according to EN62841-4-1:		
L_{PA} (emission sound pressure level)	dB(A)	80
L_{WA} (sound power level)	dB(A)	88
K (uncertainty for the given sound level)	dB	3
Vibration emission value a_h =	m/s^2	6
Uncertainty K =	m/s^2	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 for vibration), organisation of work patterns.

EC-Declaration of Conformity

Machinery Directive

CE

18V Cordless Pruning Saw
SFMCPS415

STANLEY FATMAX declares that these products described under ***Technical Data*** are in compliance with:
2006/42/EC, EN62841-1:2015+A11:2022, VDE-PB-0023:2022-08.

EC type-examination by
VDE Prüf- und Zertifizierungsinstitut GmbH
Merianstraße 28, 63069 Offenbach, Germany
Notified Body number : 0366
ID number: 40056738
2000/14/EC, Annex V
L_{WA} (measured sound power level) 93 dB(A),
L_{WA} (guaranteed sound power) 96 dB(A)

These products also comply with Directive 2014/30/EU and 2011/65/EU. For more information, please contact STANLEY FATMAX 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 STANLEY FATMAX.

Patrick Diepenbach

Patrick Diepenbach
General Manager Benelux, GTS-Europe
STANLEY FATMAX Europe, Egide Walschaertsstraat14-18,
2800 Mechelen, Belgium
05.05.2023

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

UK CA

18V Cordless Pruning Saw
SFMCPS415

STANLEY FATMAX 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+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 / 109 / 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) 93 dB(A),

L_{WA} (guaranteed sound power) 96 dB(A)

These products conform to the following UK Regulations

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 STANLEY FATMAX 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 STANLEY FATMAX.

Paul Featherstone
Product Director – Outdoor Products Group
STANLEY FATMAX UK, 270 Bath Road, Slough
Berkshire SL1 4DX
England
05.05.2023

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 authorised service providers.*

Pruning Saw Safety Warnings

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

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

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

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

e) ***Do not operate a pruning saw in a tree.*** *Operation of a pruning saw while up in a tree can result in personal injury.*

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

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

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

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

j) ***Follow instructions for lubricating, chain tensioning and changing guide bar and saw chain.*** *Improperly tensioned or lubricated chain could break the pruning saw chain.*

k) ***Keep handles dry, clean, and free from oil and grease. Greasy, oily handles are slippery, causing loss of control.***

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

m) ***Maintain a firm grip, with thumbs and fingers encircling the pruning saw handles, with both hands on the pruning saw. Maintaining control of the pruning saw will reduce the risk of losing control.*** *Do not let go of the pruning saw.*

n) ***Do not overreach and do not cut above shoulder height.*** *This enables better control of the pruning saw in unexpected situations.*

o) ***Only use replacement bars and chains specified by the manufacturer.*** *Incorrect replacement bars and chains can cause chain breakage and increase the risk of injury.*

p) ***Follow the manufacturer's sharpening and maintenance instructions for the pruning saw chain.*** *Decreasing the depth gauge height can lead to increased risk of injury.*

q) ***This pruning saw is not intended for tree felling.*** *Use of the pruning saw 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 pruning 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 pruning saw 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:

The Following Precautions Should Be Followed to Minimize Kickback:

1. ***Grip saw firmly. Hold the pruning saw firmly with both hands when the motor is running. Use a firm grip with thumbs and fingers encircling the pruning saw handles.*** *Pruning 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 the ribbed bumpers* **24** *onto the wood and allow the chain to reach full speed before proceeding with a 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 pruning 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 pruning 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 pruning saw while in a tree, on a ladder, on a scaffold, or from any unstable surface.*
- *Do not attempt operations beyond your capacity or experience. Read thoroughly and understand completely all instructions in this manual.*
- *Before you start pruning saw, make sure saw chain is not contacting any object.*
- *Do not operate a pruning saw with one hand! Serious injury to the operator, helpers, or bystanders may result from one-handed operation. A pruning 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 pruning saw before setting it down.*
- *Do not cut vines and/or small underbrush.*
- *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 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 pruners. 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 pruner.*
- ***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

STANLEY FATMAX 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 STANLEY FATMAX charger 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 STANLEY FATMAX 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 (refer to ***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 30 mA or less.*

CAUTION: *Burn hazard. To reduce the risk of injury, charge only STANLEY FATMAX 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 STANLEY FATMAX 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)

WARNING: *Do not charge the battery at ambient temperatures below 10 °C or above 40 °C. Recommended charging temperature: approx. 24 °C.*

The battery needs to be charged before first use and whenever it fails to produce sufficient power on jobs that were easily done before. The battery may become warm while charging; this is normal and does not indicate a problem.

NOTE: The charger will not charge a battery if the cell temperature is below approximately 10 °C or above 40 °C. The battery should be left in the charger and the charger will begin to charge automatically when the cell temperature warms up or cools down.

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

1. Plug the charger **28** into an appropriate outlet before inserting battery pack **15**.
2. The green charging light **29** will blink continuously indicating that the charging process has started.
3. The completion of charge will be indicated by the green charging light remaining ON continuously. The battery pack is fully charged and may be removed and used at this time or left in the charger.
4. Charge discharged batteries within 1 week. Battery life will be greatly diminished if stored in a discharged state.

Charger LED Modes

Indicators for all chargers except SFMCB10

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

	Charging: Green LED Intermittent	
	Fully Charged: Green LED Solid	
	Hot/Cold Pack Delay: Green LED Intermittent Red LED Solid	

Only SFMCB10 Charger Indicators

	Charging:	
	Fully Charged:	
	Hot/Cold Pack Delay:	

NOTE: The compatible charger(s) will not charge a faulty battery pack. The charger will indicate a faulty battery pack 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 authorized service centre.

Leaving the battery in the charger

The charger and battery pack can be left connected with the LED glowing indefinitely. The charger will keep the battery pack fresh and fully charged.

Hot/Cold Pack Delay

When the charger detects a battery that is too hot or too cold, it automatically starts a Hot/Cold Pack Delay, the green LED **29** will flash intermittently, while the red LED **30** will remain on continuously, suspending charging until the battery has reached an appropriate temperature. The charger then automatically switches to the pack charging mode. This feature ensures maximum battery life.

Wall Mounting

Some STANLEY FATMAX 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.

NOTE: Do not attempt to mount SFMCB10 charger under a bench or table.

NOTE: Only mount SFMCB10 charger with the charging lights pointed upward toward the ceiling.

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.*

Fuel Gauge Battery Packs (Fig. B)

Some STANLEY FATMAX 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 **26**. 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.

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 STANLEY FATMAX 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 persist, 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 into 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.*

STANLEY 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 STANLEY FATMAX 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 Wh rating marked on the pack. Furthermore, due to regulation complexities, STANLEY FATMAX does not recommend air shipping lithium-ion battery packs alone regardless of Wh rating. Shipments of tools with batteries (combo kits) can be air shipped as excepted if the Wh 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.

Storage Recommendations

1. The best storage place is one that is cool and dry away from direct sunlight and excessive 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.


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


Do not incinerate the battery pack.

Battery Type

The following tools operate on an 18 volt battery pack: SFMCPS415.

These battery packs may be used: SFMCB201, SFMCB202, SFMCB204, SFMCB206. Refer to ***Technical Data*** for more information.

Package Contents

The SFMCPS415 package contains:

1 Pruning Saw
1 15 cm Guide Bar
1 15 cm Saw Chain
1 Guide Bar Cover
1 Wrench
1 Instruction manual
1 Battery (D1 M1 models only)
2 Batteries (D2 M2 models only)
1 Charger (D1 M1 D2 M2 models only)

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

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

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.


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.


Take care to avoid injury from sharp elements.


Always use two hands when operating the pruning saw.


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 production date code **27** consists of a 4-digit year followed by a 2-digit week and is extended by a 2-digit factory code.

Description (Fig. A)

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

1 Trigger switch
2 Lock-off lever
3 Front hand guard
4 Guide bar
5 Saw chain
6 Bar tip guard
7 Bar tip guard extension
8 Chain cover assembly
9 Bar lock nut
10 Chain tensioning screw
11 Guide bar cover
12 Wrench
13 Rear handle
14 Front handle

15 Battery Pack
16 Battery release button

Intended Use

The SFMCPS415 pruning saw is designed for cutting logs up to 10 cm in diameter.

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

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 STANLEY FATMAX battery packs and chargers.*

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

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 (Fig. B).
2. Slide it into the tool until the battery pack is firmly seated 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.

Installing the Guide Bar and Saw Chain (Fig. D–H)

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 saw 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 carton, the saw 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 nut 9 counterclockwise with the wrench 12 provided.
3. Remove chain cover assembly 8, and bar lock nut 9.
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 (Fig. H).
5. Ensure the chain is properly set in the slot around the entire guide bar.
6. Place the saw chain around the sprocket 17. While lining up the slot on the guide bar with chain tensioning pin 18, and the bolt 19, on the base of the tool as shown in Fig. E.
7. Once in place, hold the bar still, replace chain cover assembly 8. Install the rear of the chain cover assembly first, rotate it down and make sure the bolt hole on the cover lines up with the bolt 19, on the main housing.
8. Install the bar lock nut 9 and rotate clockwise with the wrench 12 provided until snug, then loosen nut one full turn, so that the saw chain can be properly tensioned.
9. Rotate the chain tensioning screw 10 clockwise to increase tension as shown in Fig. E. Make sure the saw chain 5 is snug around the guide bar 4. Tighten the bar lock nut 9 until snug.
10. Follow the instructions in the section ***Adjusting Chain Tension***.

Adjusting Chain Tension (Fig. 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 1/8" (3 mm) away from the guide bar 4 with light force from the middle finger and thumb as shown in Fig. G. There should be no "sag" between the guide bar and the saw chain on the underside as shown in Fig. F.
2. To adjust saw chain tension, loosen bar lock nut 9.
3. Rotate the chain tensioning screw 10 in the front of the housing using the flat screwdriver end of the wrench 12.
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. Overtensioning also reduces the amount of cuts you will get per battery charge.
6. Once saw chain tension is correct, tighten bar lock nut until snug.
7. A new chain stretches slightly during the first few hours of use. It is important to check the tension frequently (after disconnecting battery) during the first two hours of use.

Chain Oiling (Fig. I)

1. A high quality bar and chain oil or SAE30 weight motor oil should be used for saw chain 5 and guide bar 4 lubrication. 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 pruning saw.
2. Lubricate the whole saw chain evenly before each use as shown in Fig. I. Also lubricate the saw chain whenever replacing a fully discharged battery with a fully charged one.

Replacing the Saw Chain (Fig. D–G)

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.*

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

CAUTION: *The chain speed of this product is 4.4 m/s. Only use chains that are rated at greater than 4.4 m/s.*

1. Place the saw on a flat, firm surface.
2. Remove chain cover assembly 8 as described in ***Installing the Guide Bar and Saw Chain*** section.
3. To remove the saw chain 5, rotate the chain tensioning screw 10 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.
5. Ensure guide bar is installed with the bar tip guard 6 positioned as shown in Fig. G.
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 main housing shown in Fig. E.
7. Follow instructions for ***Installing the Guide Bar and Saw Chain.***

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

The SFMCPS415 requires replacement SFM 15 cm Pruning Saw chain STZPS415-XJ. Replacement SFM 15 cm Pruning Saw bar STZPS1415-XJ.

NOTE: Do not use any replacement bar other than the STZPS1415.

Guide Bar Cover and Wrench Storage (Fig. J, K)

The guide bar cover 11 has two functions, to cover the guide bar 4 when the tool is not in use and to store the wrench 12.

Guide Bar Cover

1. To open the guide bar cover, lift up on the latch 20 and pull the two halves apart.
2. To close the guide bar cover, close the two halves and ensure the latch is secured to the notch 21.

Wrench

1. Open the guide bar cover to gain access to the wrench.
2. Remove the wrench by lifting the wrench end up and away from the guide bar cover.
3. Store the wrench in the guide bar cover when finished. First install flat screwdriver end of the wrench into the retaining slot 22 and then press the wrench end down until the retaining clips 23 firmly secure the wrench in place.

Bar Tip Guard (Fig. A, C)

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

The bar tip guard 6 reduces the chance of the saw chain 5 at the end of the guide bar 4 from coming into contact with objects which may cause the bar and chain to kickback towards the operator. In addition to reducing the chance of kickback, the bar tip guard 6 will reduce the chance of the chain from touching the ground.

NOTE: The bar tip guard is integrated with a bar tip guard extension 7 designed to provide stability during up cuts.

Transporting Pruning Saw (Fig. A)

- Always turn unit off, remove the battery and cover the guide bar 4 with the guide bar cover 11 when transporting the pruning 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. L)

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 14, behind the front hand guard 3, with the right hand on the rear handle 13.

NOTE: DO NOT hold the saw by the front hand guard 3.

Operating the Pruning Saw (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* **Guard Against 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* **14** *and your right hand on the rear handle* **13** *so that your body is to the left of the guide bar.*

WARNING: *Do not hold pruning saw 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 pruning saw.*

- *Never operate pruning saw while in a tree, in any awkward position or on a ladder or other unstable surface. You may lose control of pruning saw causing severe injury.*
- *Keep the pruning saw 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 pruning saw 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 pruning saw 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 pruning saw firmly with both hands with the thumb and fingers encircling both handles.

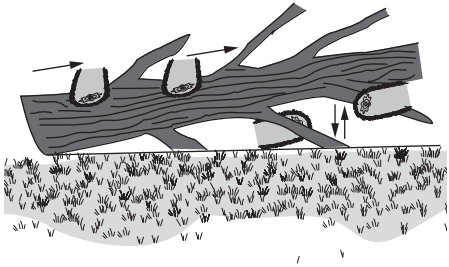
1. To turn the unit on, push down on the lock-off lever **2**, shown in Fig. A, and squeeze the trigger switch **1**. Once the unit is running, you may release the lock-off lever.
2. To keep the unit running you must continue to squeeze the trigger switch **1**.
3. To turn the unit off, release the trigger switch **1**.

NOTE: If too much force is applied while making a cut the pruning saw will turn off. To restart pruning saw, you must release the lock-off lever **2** and the trigger switch **1** before the pruning saw will restart. Begin your cut again this time with less force. Allow the pruning saw to cut at its own pace.

Common Cutting Techniques

Limbing

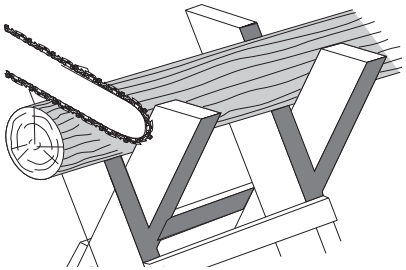
Removing the branches from a fallen tree. When limbing, leave larger lower limbs to support the log off the ground. Remove the small limbs in one cut. Branches under tension should be cut from the bottom of the branch towards the top to avoid binding the pruning saw as shown below. Trim limbs from opposite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



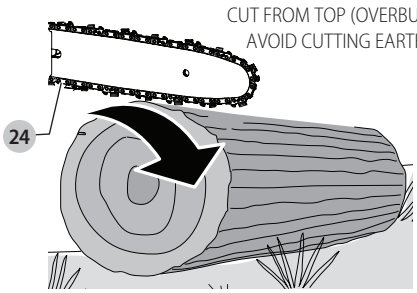
Bucking

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

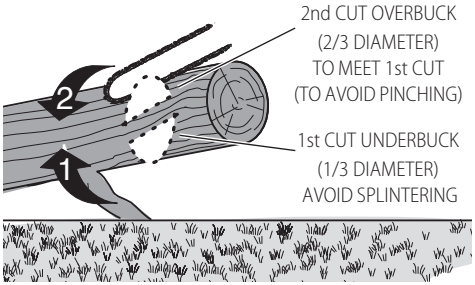
Cutting a felled tree or log into lengths. How you should cut depends on how the log is supported. Use a saw horse whenever possible as shown below.



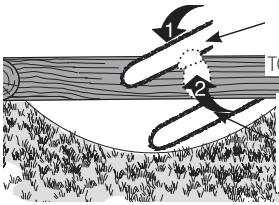
1. Always start a cut with the pruning saw chain running at full speed.
2. Place the ribbed bumper **24** of the pruning saw behind the area of the initial cut as shown below.
3. Turn the pruning saw on then rotate the pruning saw chain and bar down into the tree, using the ribbed bumper as a hinge.
4. Once the pruning saw gets to a 45 ° angle, level the pruning saw 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 pruning 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 pruning saw handles. Don't let the chain contact the ground. After completing the cut, wait for the pruning saw chain to stop before you move the pruning 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 Sharpening (Fig. M–O)

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 pruning saw it is important to keep the teeth of the saw chain sharp. Follow these helpful tips for proper saw chain sharpening:

1. 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 **25** filing angle line of 30 ° on your file guide parallel with your chain (file at 60 ° from chain viewed from the side) as shown in Fig. M.
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 of chain link in front of the cutter) so they are about 0.025" (0.635 mm) below the tips of the cutters as shown in Fig. N.
5. Keep all cutter lengths equal as shown in Fig. O.
6. If damage is present on the chrome surface of the top plates or side plates, file back until such damage is removed.

CAUTION: *After filing, the cutter will be sharp, use extra caution during this process.*

Lubrication

Refer to ***Chain Oiling*** section.

Cleaning

WARNING: *Electrical shock and mechanical hazard. Disconnect the electrical appliance from the power source before cleaning.*

WARNING: *To ensure safe and efficient operation, always keep the electrical appliance and the ventilation slots clean.*

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.*

Ventilation slots can be cleaned using a dry, soft non-metallic brush and/or a suitable vacuum cleaner. Do not use water or any cleaning solutions. Wear approved eye protection and an approved dust mask.

Saw Chain and Guide Bar

After every few hours of use, remove the chain cover assembly, guide bar and chain and clean thoroughly using a soft bristle brush.

Chain Cover Assembly (Fig. D–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.*

1. Place the saw on a flat, firm surface.
2. Remove chain cover assembly **8** as described in ***Installing the Guide Bar and Saw Chain*** section.
3. Wearing protective gloves, use a clean, soft bristle brush to wipe away any saw dust, sticks, vines or other debris that may have collected inside the chain cover assembly **8** and around the saw chain **5** or sprocket **17**.
4. Rotate the chain tensioning screw **10** using the flat screwdriver end of the wrench **12**. Turning the screw counterclockwise allows the guide bar **4** to recede and reduces the tension on the chain so that it may be removed.
5. Wearing protective gloves, grasp the saw chain and guide bar and lift them away from the tool.
6. Wearing protective gloves, use a clean, soft bristle brush to wipe away any saw dust or other debris that may have collected on the guide bar **4** and around the saw chain **5**.
7. Install the chain, guide bar and chain cover assembly **8** 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 STANLEY FATMAX, have not been tested with this product, use of such accessories with this tool could be hazardous. To reduce the risk of injury, only STANLEY FATMAX-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 that 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.

COMPATIBLE BATTERIES	V_{DC}	Ah	Weight (kg)	COMPATIBLE CHARGERS			
				SFMCB10	SFMCB11	SFMCB12	SFMCB14
SFMCB201	18	1.5	0.4	✓	✓	✓	
SFMCB202	18	2.0	0.4	✓	✓	✓	✓
SFMCB204	18	4.0	0.6	✓	✓	✓	✓
SFMCB206	18	6.0	0.9	✓	✓	✓	✓

SFMCPS415 TROUBLESHOOTING

Problem	Solution
Unit will not start.	• Check battery installation. • Check battery charging requirements. • Check that lock off is fully pushed down prior to moving main trigger.
Unit shuts down in use.	• Charge battery. • Unit is being forced. Restart and apply less pressure.

Problem	Solution
Battery won't charge.	• Insert battery into charger until red charging light illuminates. Charge up to 8 hours if battery is totally drained. • Plug charger into a working outlet. Refer to ***Important Charging Notes*** for more details. • Check current at receptacle by plugging in an appliance. • Check to see if receptacle is connected to a light switch which turns power off when you turn out the lights. • Move charger and appliance to a surrounding air temperature of above 4.5 °C or below 40.5 °C.
Bar / Chain overheated.	• Refer to ***Adjusting Chain Tension*** section. • Refer to ***Chain Oiling*** section.
Chain is loose.	• Refer to ***Adjusting Chain Tension*** section.
Poor cut quality.	• Refer to ***Adjusting Chain Tension*** section. **NOTE:** Excessive tension leads to excessive wear and reduction in life of bar and chain. Lubricate before each cut. Refer to ***Replacing the Saw Chain*** section.
Unit runs but does not cut.	• Chain could be installed backwards. Refer to sections for installing and removing chain.

Guarantee

STANLEY FATMAX is confident of the quality of its products and offers consumers a 12 month guarantee from the date of purchase. This guarantee is in addition to and in no way prejudices your statutory rights. The guarantee is valid within the territories of the Member States of the European Union and the European Free Trade Area and the United Kingdom. To claim on the guarantee, the claim must be in accordance with STANLEY FATMAX Terms and Conditions and you will need to submit proof of purchase to the seller or an authorised repair agent. Terms and conditions of the STANLEY FATMAX 1 year guarantee and the location of your nearest authorised repair agent can be obtained on the Internet at www.2helpU.com, or by contacting your local STANLEY FATMAX office at the address indicated in this manual. Please visit our website www.stanley.eu/3 to register your new STANLEY FATMAX product and receive updates on new products and special offers.

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