



Cordless Chain Saw Instruction Manual



WARNING:

Read carefully and understand all INSTRUCTIONS before operating. Failure to follow the safety rules and other basic safety precautions may result in serious personal injury. Save these instructions in a safe place and on hand so that they can be read when required. Keep these instructions to assist in future servicing.

SYMBOL EXPLANATION

	Read the instruction manual completely and carefully before using the power tool.
	This marking indicates that this product should not be disposed of with other household wastes. Follow the disposal instructions within this instruction manual.
	With this symbol the manufacturer confirms that this power tool is in accordance with applicable European directives.
	Do not expose to rain
	Be careful!
	Wear personal protective equipment. Always wear safety glasses or a face shield, hearing protection and safety helmet.
	Sharp blade can cut limbs.
	Wear gloves for cutting protection.
	Wear safety shoes for preventing slipping.
	Very danger because of electronic shock! Keep it away at least 10m from Transmission lines.
	Only use the battery charger indoors.

INTENDED USAGE

The intended use of this product includes:

- Residential, private home usage for cutting wood, logs, tree branches and other such similar material.

The product must not:

- be used for commercial applications.
- be used with accessories other than those approved by the manufacturer within this manual.
- be changed, modified or operated in a different way than stated by the manufacturer and in this manual.

The adherence of these user instructions is the foundation for the safe assembly and operation of this product. This product is exclusively intended for the domestic use acc. to the stated intended usage. All other applications are forbidden and will void the manufacturer warranty.

SAFETY WARNINGS



Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or Battery-operated power tool.

1. Work area safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control and result in serious injury.

2. Electrical safety

- 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. Proper plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators while operating this power tool. There is an increased risk of electric shock if your body is earthed or grounded.
- Do not expose power tools to rain or wet conditions. Store power tool in a secure dry area when not in use. Moisture may damage or corrode the power contacts or internal wiring of the power tool and result in electrical short or shock to user. Water entering a power tool will increase the risk of electric shock. Do not operate or use in poor weather and rain or other wet conditions.
- 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.
- 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.

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. NOTE The term "residual current device (RCD)" may be replaced by the term "ground fault circuit interrupter (GFCI)" or "earth leakage circuit breaker (ELCB)".

3. Personal safety

- a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the power switch of power tools 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. Maintain proper footing and balance at all times. This enables better control of the power tool in any situation.
- f) Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry 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 properly before use. Use of dust collection can reduce dust-related hazards.

4. Power tool use and care

- a) Do not force the power tool. Use the correct power tool for your application. Use power tools only for the purpose that they are intended. The correct power tool will do the job better and more safely when used properly
- b) Do not use the power tool if the power 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 from the power tool before making any adjustments, changing accessories, and before storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- d) Storepower tools when not in use out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.

5. Power tools should be handled with care and properly maintained

- a) Maintain power tools. Check for misalignment or binding of any 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.
- b) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control and cut cleanly.
- c) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the work environment and the work to be performed. Use of the power tool for operations different from those intended could result in injury.

6. Battery tool use and care

- a) Recharge only with the charger specified by the manufacturer. Improper charging of the battery pack with a non-approved charger may result in damage to the battery or risk of fire.
- b) Use power tools only with specifically designated battery packs. Use of any other battery packs other than those approved by the manufacturer on this product 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) When used improperly, battery may rupture or leak. Avoid all contact with liquid that may have leaked from the battery. If contact accidentally occurs, flush with water. If liquid

contacts eyes, immediately seek medical help. Liquid from the battery may cause irritation or burns.

e) Do not break open battery case.

7. 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.

Safety Warnings for Sabre Saws

- 1) Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- 2) Do not use the tool with the hook without rubber covers or with damaged rubber covers. If the rubber covers on the hook are damaged, replace the hook a new one.
- 3) Keep hands away from the cutting blade. Do not reach under the workpiece. Contact with the saw blade can lead to injuries.
- 4) Apply the machine to the workpiece only when switched on. Otherwise, there is danger of kickback when the cutting tool jams in the workpiece.
- 5) When sawing without the hook, the guide plate must always face against the workpiece. The saw blade can become wedged and lead to loss of control over the power tool.
- 6) When the cut is completed, switch off the machine and then pull the saw blade out of the cut only after it has come to a standstill. In this manner you can avoid kickback and can place down the machine securely.
- 7) Use only undamaged saw blades that are in perfect condition. Bent or dull saw blades can break, negatively influence the cut, or lead to kickback.
- 8) Do not attempt to "brake" or slow down the saw blade by applying side pressure after switching off. The saw blade can be damaged, break or cause kickback.
- 9) Secure material to be cut well. Do not support the workpiece with your hand or foot. Do not touch objects or the floor while the saw is running. Danger of kickback.
- 10) Use appropriate detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance. Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Penetrating a water line causes property damage.
- 11) Always wait until the machine has come to a complete stop before placing it down. The tool can become jammed and lead to loss of control over the power tool.
- 12) Before any work on the machine (e. g. maintenance, changing the tool, etc.) as well as during its transport and storage, lock the on/Off switch in the off position. There is danger of injury when the on/Off switch is unintentionally actuated. Protect the power tool against heat, e. g., against continuous direct sunlight when not in use, fire, water, and moisture. Danger of explosion.

chain saw safety warnings

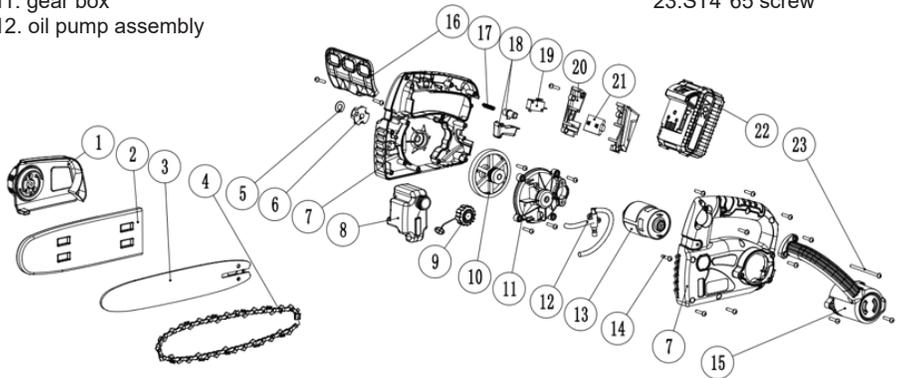
- 1) Observe your surroundings, always remove the fallen branches before cutting, always keep the working area clean before operation.
- 2) Always keep the bystanders at least 49FT away from the working area, especially for children.
- 3) Always wear a helmet, ear protection, eye protection and safety gloves when working with the chain saw
- 4) Wear dust mask to protect against dust.
- 5) Do not wear loose clothing, jewelry, or short pants while operating.
- 6) Never use the chain saw while standing on a ladder.
- 7) Do not overreach. Always keep a firm footing and maintain balance during operation; always use the provided harness to distribute the load evenly on your body.

- 8) Wear sturdy boots to protect yourself from slipping.
- 9) Avoid using the chain saw close to power lines. Keep a safe distance of at least 10 m to over ground power lines.
- 10) Do not stand under the branch you are cutting. Branches may fall without warning. Also beware of the risk of being struck by those that rebound after hitting the ground. Work at an angle of no more than 60°.
- 11) Keep in mind that, when using the upper point of the saw, the chain saw may kick back.
- 12) Keep your eyes not only on the branches you are cutting, also keep an eye on the ground to prevent tripping over from branches that already have fallen.
- 13) Keep a period of rest for at least 30 minutes after one hour's operation, Do not operate the chain saw while you are tired and not focused on your task
- 14) Do not use the machine if the switch does not turn it on and off. Any machine that cannot be controlled with the switch is dangerous and must be repaired.
- 15) Store idle machine out of the reach of children and do not allow persons unfamiliar with the machine or these instructions to operate the machine. Machines are dangerous in the hands of untrained users.
- 16) Maintain machine. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the machine's operation. If damaged, have the machine repaired before use. Many accidents are caused by poorly maintained machine.
- 17) Have your machine serviced by a qualified repair person using only original replacement parts. This will ensure that the safety of the machine is maintained.
- 18) Children should be supervised at all times while using this tool.

PRODUCT IDENTIFICATION

1. guide plate cover assembly
2. sheath
3. board
4. link
5. washer
6. 6 teeth sprocket
- 7.housing
8. oil tank
9. oil cap
10. gear assembly
11. gear box
12. oil pump assembly

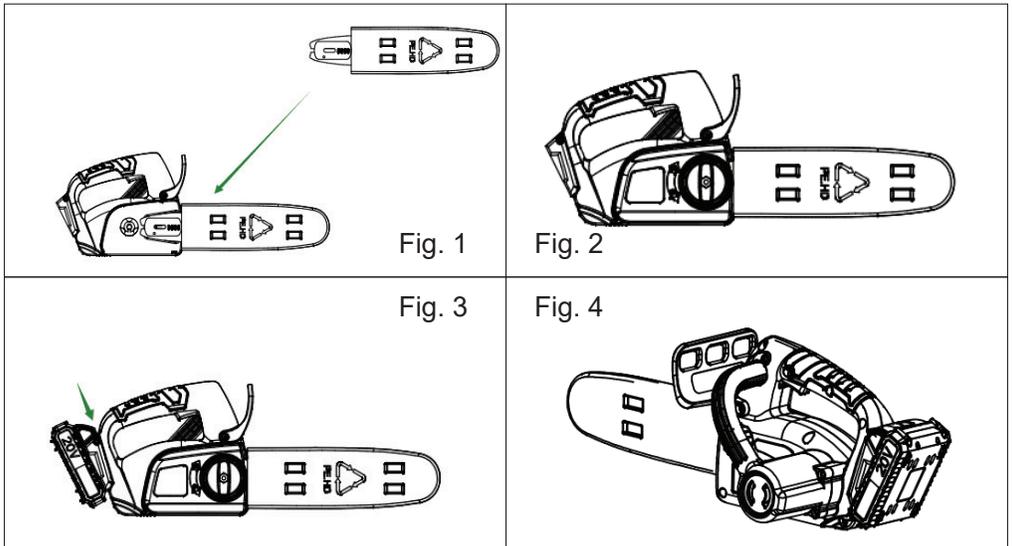
- 13.motor assembly
- 14.ST4*16 screw
15. handle
16. safe cover
17. spring
18. button
- 19.switch
- 20.connection
- 21.insert
- 22.battery
- 23.ST4*65 screw



TECNICAL SPECIFICATIONS

Voltage	20V DC
No load speed	13 FT/s
Cutting length	7 Inch
Wood	3.15 Inch
Charger input	100-240V~50/60Hz
Charger output	20V 0.5A

MOUNTING AND OPERATION



UNPACKING

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices, if applicable.
3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage, do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.

▲WARNING

The product and the packaging are not children's toys! Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

BEFORE USE

Charging battery

Before attempting to charge the battery pack, thoroughly read all Safety Instructions.

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: After several charge and discharge cycles, the battery will attain full capacity.

DO NOT CHARGE THE BATTERY AT AMBIENT TEMPERATURES BELOW 10°C OR ABOVE 40°C (BELOW 50°F OR ABOVE 104°F)

Plug the mains plug of the adaptor 1 into a socket outlet and the adaptor plug 2 into the socket 4 on the charger station 3. At this time, the battery charge-control indicator 6 lights up. And then insert the battery pack into the charger station. The battery charge-control indicator indicates the charging progress. The indicator lights up red during the charge procedure. The battery is completely charged when the indicator lights up green again.

Disconnect the battery charger from the mains supply when not using it for longer periods.

Important charging notes

1. After normal usage, your battery pack should be fully charged in about 4 hours. Allow the battery to cool down before charging after using the saw. (NOTE: A hot battery placed in the charger will not charge)
2. DO NOT charge the battery pack in an air temperature below 50°F (10 °C) or above 104°F (40 °C). This is important and will prevent serious damage to the battery pack. Longest life and best performance can be obtained if battery pack is charged when air temperature is about 75°F (24°C).
3. While charging, the charger may hum and become warm to touch. This is a normal condition and does not indicate a problem.
4. If the battery pack does not charge properly
 - Check current at receptacle by plugging in a lamp or other 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 battery pack to a surrounding air temperature of 50°F (10°C) to 104°F (40°C)
 - If the receptacle and temperature are OK, and you do not get proper charging contact (DESA Power Tools) service center.
5. The battery pack need to be charged before first using and should be recharged when it fails to produce sufficient power on jobs which were easily done previously. DO NOT CONTINUE using this product with its battery pack in a depleted condition. (NOTE: After several charge and discharge cycles, the battery will attain full capacity.)
6. To prolong battery life, avoid leaving the battery pack on charger for extended periods of time (over 30 days without use). Although overcharging is not a safety concern, it can significantly reduce overall battery life.
7. The battery pack will reach optimum performance after being cycled 5 times during normal usage. There is no need to run the batteries down completely before recharging. Normal usage is the best method of discharging and recharging the batteries.

OPERATION

WARNING

Before any work on the machine (e. g. maintenance, changing the tool, etc.) as well as during its transport and storage, lock the ON/OFF switch in the off position. There is danger of injury when the on/Off switch is unintentionally actuated.

MAINTENANCE AND CLEANING

Maintenance, Cleaning and Storage

1. Before any work on the machine (e. g. maintenance, changing the tool, etc.) as well as during its transport and storage, lock the ON/OFF switch in the off position.

There is danger of injury when the on/Off switch is unintentionally actuated.

2. Always remove the blade before any work on the machine.

3. For safe and proper working, always keep the machine and ventilation slots clean.

Clean the saw blade holder preferably with compressed air or a soft brush. Remove the saw blade from the power tool for this. Ensure proper operation of the saw blade holder by

applying a suitable lubricant. Heavy contamination of the machine can lead to malfunctions.

Therefore, do not saw materials that produce a lot of dust from below or overhead. Store the power tool in a secure, dry place, out of the reach of children. Do not place other objects on the power tool.

Storage

a) use of transport guard during transport and storage

b) cleaning and maintenance before storage

c) securing of the unit during transport to prevent loss of fuel, damage or injury.



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