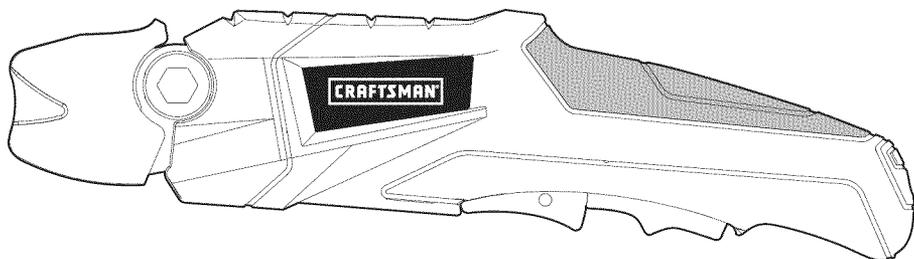


Operator's Manual

CRAFTSMAN®

4.0-VOLT Lithium-Ion Cordless Pruner

Model No. 320. 74431



Charge Before first use

⚠ WARNING : To reduce the risk of injury, the user must Read and understand the Operator's manual before using this product.

- Warranty
- Safety
- Assembly
- Operation
- Maintenance

Sears Brands Management Corporation,
Hoffman Estates, IL 60179 U.S.A.
www.craftsman.com

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CRAFTSMAN FULL WARRANTY

If this Craftsman product fails to provide complete satisfaction within one year from the date of purchase, return it to any Sears store, or other Craftsman outlet in the United States for free replacement .

This warranty applies for only 90 days from the date of purchase if this product is ever used for commercial or rental purposes.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sears, Roebuck and Co., Hoffman Estates, IL 60179

INTRODUCTION

SAVE THESE INSTRUCTIONS!

This cordless Pruner has many features for making its use more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

⚠ WARNING: Some dust created by using power tools contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

SAFETY SYMBOLS

The purpose of safety symbols is to attract your attention to possible dangers. The safety symbols, and the explanations with them, deserve your careful attention and understanding. The symbol warnings do not, by themselves, eliminate any danger. The instructions and warnings they give are no substitutes for proper accident prevention measures.

⚠ WARNING: Be sure to read and understand all safety instructions in this manual, including all safety alert symbols such as “**DANGER**,” “**WARNING**,” and “**CAUTION**” before using this pruner. Failure to following all instructions listed below may result in electric shock, fire and/or serious personal injury.

SYMBOL SIGNAL MEANING

⚠ 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 an imminently hazardous situation, which, if not avoided, may result in death or serious injury.

Damage Prevention and Information Messages

These inform the user of import information and/or instructions that could lead to equipment or other property damage if they are not followed. Each message is preceded by the word “NOTE,” as in the example below:

NOTE: Equipment and/or property damage may result if these instructions are not followed.

⚠ WARNING: To ensure safety and reliability, all repairs should be performed by a qualified service technician at a Sears Service Center.



⚠ WARNING: The operation of any power tools can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shield and a full face shield when needed. We recommend a Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always use eye protection which is marked to comply with ANSI Z87.1

SAVE THESE INSTRUCTIONS

Some of these following symbols may be used on this tool. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the tool better and safer.

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watt	Power
min	Minutes	Time
~	Alternating Current	Type of current
≡	Direct Current	Type or a characteristic of current
n_0	No Load Speed	Rotational speed, at no load
	Class II Construction	Double-insulated construction
.../min	Per Minute	Revolutions, strokes, surface speed, orbits, etc., per minute
	Wet Conditions Alert	Do not expose to rain or use in damp locations.
	Read The Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye Protection	Always wear safety goggles or safety glasses with side shields and a full face shield when operating this product.
	Safety Alert	Precautions that involve your safety.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	Hot Surface	To reduce the risk of injury or damage, avoid contact with any hot surface.

SAFETY INSTRUCTIONS

GENERAL SAFETY RULES

▲ WARNING: When using electric gardening tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the precautions that follow.

READ AND SAVE THESE INSTRUCTIONS

- Avoid dangerous environments – don't use power tools in damp or wet locations.
- Don't use in rain.
- Keep children away – all visitors should be kept at a distance from the work area.
- Dress properly – do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
- Use safety glasses – always use face or dust mask if operation is dusty.
- Use the correct tool – do not use the tool for any job except that for which it is intended.
- Avoid unintentional starting – don't carry the tool with a finger on switch. Be sure switch is off when plugging in.
- Don't grasp the exposed cutting blades or cutting edges when picking up or holding the tool.
- Don't force the tool – it will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
- Don't overreach – keep proper footing and balance at all times.
- Stay Alert – Watch what you are doing. Use common sense. Do not operate tool when you are tired.
- Store idle tools indoors – when not in use, tools should be stored indoors in a dry, and high or locked-up place – out of reach of children.
- Maintain tool with care – keep cutting edges sharp and clean for best performance and to reduce the risk of injury. Follow instructions for lubricating and changing accessories. Inspect tool cord periodically, and if damaged, have it repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
- Check damaged parts – before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless

indicated elsewhere in this manual.

- Do not charge tool in rain, or in wet locations.
- Do not use a battery-operated tool in rain.
- Do not attempt to remove cut material or hold the material to be cut when blades are moving. Make sure the switch is off when clearing jammed material from blades. Do not grasp the exposed cutting blades or cutting edges when picking up or holding the hedge trimmer.

⚠ CAUTION: blades coast after turning off.

- When the tool is stored or is not in use, always attach the blade cover on the blade to prevent the operator from injury.

⚠ CAUTION: Do not attempt to operate this tool until you have read all instructions, safety rules, and warnings thoroughly. Failure to comply may result in fire, electric shock, or serious personal injury. Keep the Operator's Manual for future reference, and review it frequently.

SPECIFIC SAFETY RULES FOR CORDLESS PRUNER

- Use the attachment and accessory recommended by the manufacturer.
- Take care to avoid cutting electrical wires that may be hidden.

⚠ WARNING: Use any other accessory or attachment may increase the risk of injury.

- This tool is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision and instruction concerning use of the tool by a person responsible for their safety. Children should be supervised to ensure that they do not play with the tool.
- Children should never be allowed to operate the tool; it should never be left unattended and when not in use should be stored in a locked place out of the reach of children.
- Don't use the tool or perform battery charging operations in the rain.
- Don't leave the tool in rain or wet locations.
- Keep bystanders well away from your work area.
- Be careful not to catch foreign matter between the blades. If the blades are jammed with foreign matter, immediately switch off the tool. Then remove the foreign matter from the blades.
- Keep your free hand away from the cutting area. Never touch the blades. They are very sharp and you may cut yourself.
- Be vigilant when operating to ensure that the fingers on the hand used to hold or move twigs to be pruned are not exposed to the cutting blade.
- Don't force the tool to make it cut. You could injure yourself or cut something else unintentionally.
- Always check the blades carefully before operation; the blade must be sharp

and without nicks or other flaws.

- Handle the blades with extreme care to prevent cuts or injury from the blades.
- Engage the “safety lock” after each use and before attempting to perform inspection or maintenance.
- Always wear protective gloves and safety glasses when using, adjusting or cleaning the tool.
- Only use the tool for its intended use.

⚠ WARNING: Do not attempt blade replacement. Always have the blade replaced by a service qualified technician.

SAFETY RULES FOR BATTERY/CHARGER

- The tool and its charger are specifically designed to work together. Do not attempt to charge the tool with any other type of charger. Do not attempt to charge any other type of cordless tool with the tool charger.
- Use the tool with the charger listed: BHY35-6.0V-300mA
- Do not charge tool when temperature is below 32°F (0° C) -or above 104°F (40°C). **This is very important!**
- Do not abuse the cord. Never carry the charger or tool by the cord or pull on the cord to disconnect the charger from an outlet. Keep cord away from heat, oil, and sharp edges.
- **Do not operate a damaged charger.** Have damaged cords or plugs replaced immediately.
- Never expose charger to weather. Use indoors only.
- The charger is designed to operate on standard household electrical current (120 V). Do not attempt to use it with any other voltage!
- Do not operate the tool with charger attached.
- **Keep the battery charger clean.** Contamination may cause a risk of electric shock.
- **Protect the battery charger from rain and moisture.** The penetration of water into a battery charger increases the risk of electric shock.
- **Check the battery charger, power cord and plug before each use. Do not use the battery charger if defects are detected. Do not open the battery charger yourself. Have it repaired only by qualified personnel using original spare parts.** Damaged battery chargers, power cords and plugs increase the risk of electric shock.
- **Do not operate the battery charger on easily inflammable surfaces (e.g.: paper, textiles, etc.) or in combustible environments.** There is a risk of fire due to the heating of the battery charger during charging.
- **Under abusive conditions, liquid may be ejected from the battery. Avoid contact with this liquid. If contact occurs, flush with water. If liquid contacts eyes, seek medical help immediately.** Liquid ejected from the battery may cause irritation or burns.

- **Do not open battery yourself.** There is a risk of a short circuit.
- **Protect the battery against heat, including continuous exposure to sun irradiation and fire.** There is a risk of explosion.
- **Do not short circuit the battery.** There is a risk of explosion.
- **In case of damage and improper use of the battery, vapors may be emitted.** In case of symptoms to that effect, provide fresh air and consult a physician. These vapors can irritate the respiratory system.

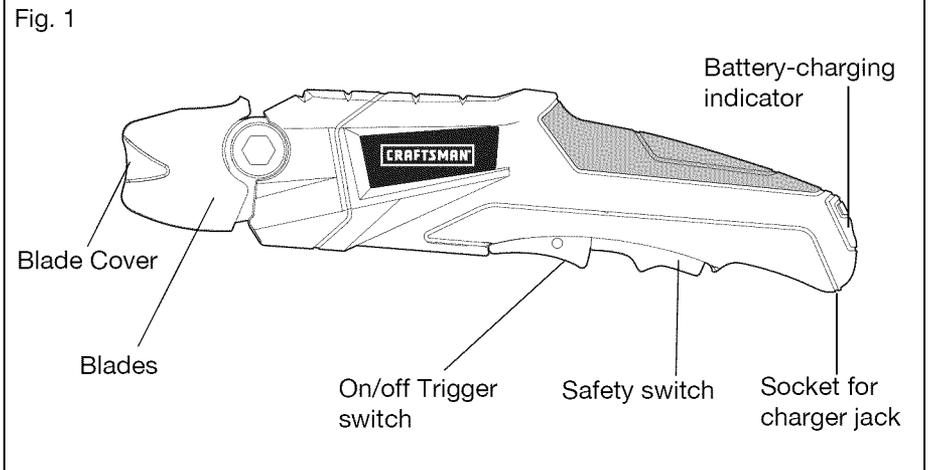
SERVICE

- When servicing a power tool, use only identical replacement parts.
- Follow instructions in the Maintenance section of this manual.
- Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of shock or injury.

SAVE THESE INSTRUCTIONS

DESCRIPTION

KNOW YOUR PRUNER (Fig. 1)



PRODUCT SPECIFICATIONS

Battery Type	4.0 Volt DC , 1.1Ah
Maximum Cutting capacity	1/2" (13mm) for green wood
Cuts per charge	500 Cuts with 3/8" (9.5mm) green wood
Pruner Weight	1.23 lbs
Battery Type	Lithium-Ion
Charger Input	120-Volts, 60 Hz AC only
Optimum Charging Temperature	32°F (0° C) -104°F (40°C)
Charge time(empty battery)	3-5 hours

⚠ WARNING: The safe use of this product requires an understanding of the information on the tool and in this operator's manual as well as knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

ASSEMBLY

⚠ WARNING: If any parts are broken or missing, do not attempt to plug in the power cord or operate the pruner until the broken or missing parts are replaced. Failure to do so could result in possible serious injury.

⚠ WARNING: Do not attempt to modify this pruner or create accessories not recommended for use with this tool. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious injury.

UNPACKING

This product has been shipped completely assembled.

- Carefully remove the tool and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.
- If any parts are damaged or missing, please refer to the numbers listed on the back page of operator's manual.

PACKING LIST

Pruner, Blade cover, Charger, Operator's manual

BATTERY CHARGING

The battery in your new tool is not fully charged!

First, read the safety rules, and then follow the instructions in the sections entitled "Important charging notes" and "Charging the battery".

Important charging notes

- Longest life and best performance can be obtained if the batteries are charged at normal room temperature.
- While charging, the charger will normally become warm.
- If the batteries do not charge properly, verify the current at the outlet by plugging in a lamp or other tool.
- The tool should be recharged when it fails to produce sufficient power on jobs that were previously done easily. Do not continue to use the tool under these conditions. Repeat the charging procedure.
- Unplug the charger from the power supply before disconnecting it from the tool. Unplug charger before attempting to clean.
- Battery life depends on usage, storage temperature and time.
- The charger is intended to be used in a vertical or floor-mounted position.

Charging the battery (Fig.2)

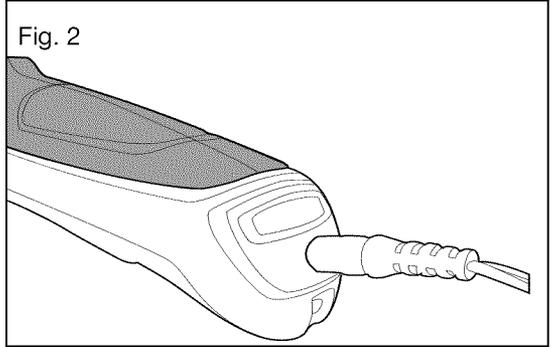
The battery charger provided matches the Lithium-ion battery installed in the tool. Do not use any other battery charger.

The Lithium-ion battery is protected against deep discharging. When the battery is empty, the tool is switched off by a protective circuit. The blade no longer moves.

1. Attach the charger cord to the socket.
2. Plug charger into any 120V~60Hz outlet. Your tool is now charging. The charging indicator remains red lit.
3. The battery-charging indicator lights up red to indicate the charging procedure. The battery is fully charged as soon as the battery charge indicator lights up green.

NOTE: This charger can be used only with a 60Hz, 115-120V AC circuit.

4. When recharging, the tool will require approximately 3-5 hours to reach full capacity. The tool will not overcharge, and can be left on charge indefinitely throughout the cutting season. Continuous charging may shorten overall battery life slightly, but it will not diminish the running time per charge.



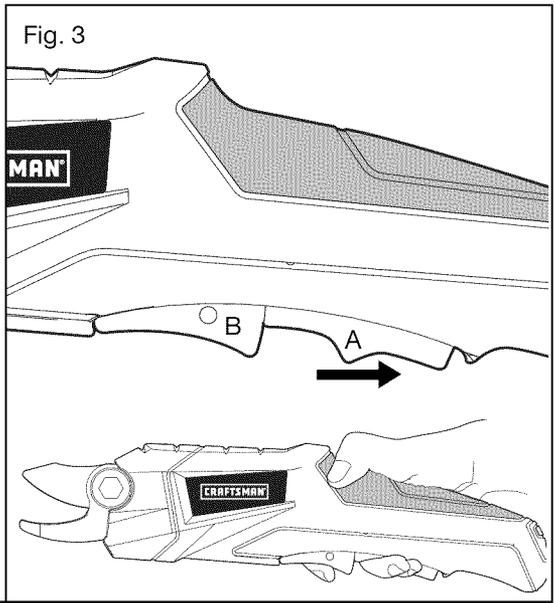
OPERATION

Starting the pruner (Fig.3)

To start a cut, depress the safety switch (A) and slide it backwards while pressing the on/off trigger switch (B).

To turn the tool off, release the on/off trigger switch.

To operate the pruner, remove the blade cover, position the pruner blades around the stem to be cut. Hold the pruner securely, depress the safety switch (A) and slide it backwards while pressing the on/off trigger switch (B). When the cut is complete, release the on/off trigger switch.



NOTE: The tool cannot be turned on by simply pressing the on/off switch. The safety switch must be simultaneously engaged.

⚠ WARNING: Always attach the blade cover when the pruner is not in use.

⚠ WARNING: To prevent children from using the tool, there's a safety lock hole in the trigger (B). Insert a pin (not supplied) into the safety lock hole. The tool cannot be started even if the safety switch A is depressed.

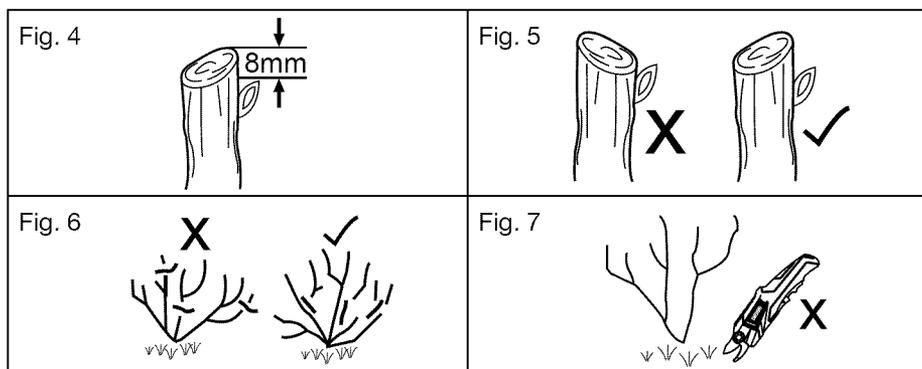
Pruning tips

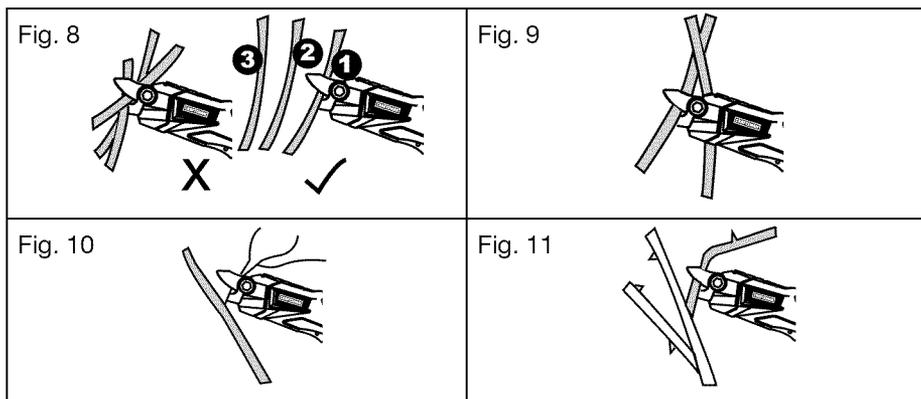
⚠ WARNING: Be sure to carefully read and follow the safety rules in this Owner's Manual.

⚠ WARNING: Maintain proper footing and balance, and do not overreach. Wear safety goggles, non-skid footwear and gloves when operating. Hold the tool firmly.

⚠ WARNING: Never operate the tool in an awkward posture. This may cause serious injury. **Keep your free hand away from the cutting area. Never touch the blades.** They are very sharp and you may cut yourself. Always wear protective gloves while pruning.

- Maximum cutting capacity is 1/2" (13mm) for green wood
- Never cut too close to the stem so the wound can heal properly.
- Always make the cut about 5/16" (8mm) from the bud (Fig.4).
- The cut should slope away from the bud so the rain can run off (Fig.5).
- If you remove an entire stem, cut back to the point where it branched (Fig.6).
- Never push the blade of the pruner into the ground to cut suckers (Fig.7)
- Cut branches one by one as shown (Fig.8).
- Use the pruner to remove overcrowds or crossing stems (Fig.9).
- Use the pruner to remove thin or weak growth(Fig.10).
- Use the pruner to remove dead, damaged and diseased branches(Fig.11).





MAINTENANCE

⚠ WARNING: When servicing, use only identical Craftsman replacement parts. Use of any other parts may create a hazard or cause product damage. To ensure safety and reliability, all repairs should be performed by a qualified service technician at a Sears Service Center.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

⚠ WARNING: Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc. to come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

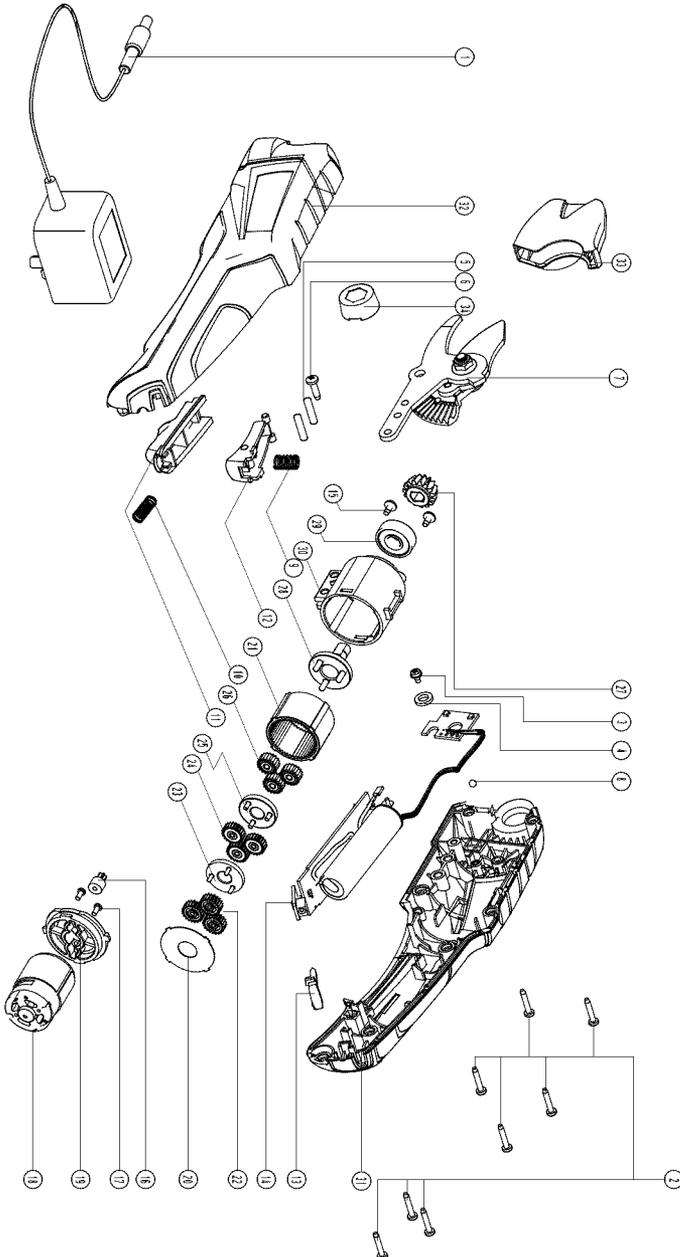
TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The pruner does not work	1. Battery is depleted 2. The lock-off switch is locked	1. Charge the battery 2. Depress the lock-off button
Difficulty cutting.	Blade edges dulled.	Have blades replaced at Sears Service Center.

PARTS LIST

4.0 VOLT LITHIUM-ION CORDLESS PRUNER MODEL NO. 320. 74431

The Model Number will be found on the Nameplate attached to the handle of the Pruner. Always mention the Model Number when ordering parts for this tool.



PARTS LIST

No	Part No	Part Name	QTY
1	800116000	Charger	1
2	5610241000	Screw	8
3	3700135000	Flange Screw	1
4	5650317000	Washer	1
5	5670214000	Pin	2
6	5610023000	Tapping Screw	1
7	2822893000	Gear and Blade Set	1
8	5700045000	Steel Ball	1
9	3660403000	Spring	1
10	3660003000	Spring	1
11	3125050000	Lock off Trigger	1
12	3125051000	Switch Trigger	1
13	3125103000	Transparent Cap	1
14	4890609000	4210 PCB Assembly	1
15	5620357000	Screw	2
16	3520112000	Pinion	1
17	5620182000	Screw	2
18	2730157000	DC Motor	1
19	3124980000	Gear Case Cover	1
20	5650318000	Washer	1
21	3520487000	Ring Gear	1
22	3120816000	Plastic Gear	3
23	3520106000	Turntable	1
24	3520105000	Planet Gear	3
25	3520485000	Sun Gear	1
26	3520486000	Planet Gear	3
27	3520489000	Bevel Pinion	1
28	3551384000	Shaft	1
29	5700008000	Ball Bearing	1

No	Part No	Part Name	QTY
30	3124985000	Gear Case	1
31	3320961000	Right Housing Assy	1
32	3320960000	Left Housing Assy	1
33	3124984000	Guard	1
34	3125102000	Screw Cover	1

NOTE

NOTE

NOTE

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1-800-469-4663 (Canada)
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To purchase a protection agreement on a product serviced by Sears:

1-800-827-6655 (U.S.A.)

1-800-361-6665 (Canada)

Para pedir servicio de reparación a domicilio, y para ordenar piezas:

1-888-SU-HOGAR[®]
(1-888-784-6427)

Au Canada pour service en français:

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