

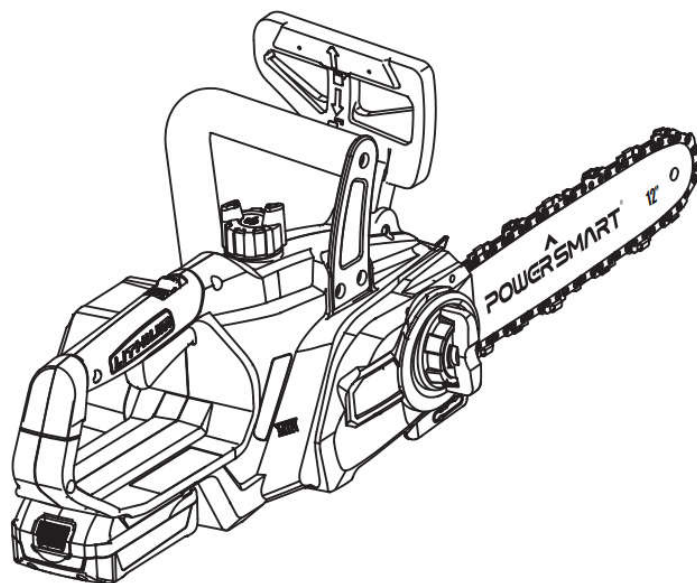
POWERSMART[®]

INSTRUCTION MANUAL

12 inch Cordless Chain Saw

Model # PS76122A

Item#SF8J113



Have product questions or need technical support? Please feel free to contact us!

Website: www.Amerisuninc.com
www.powersmartusa.com

Toll free: 1-800-791-9458 M-F 9-5 EST

Email: support@amerisuninc.com

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TECHNICAL DATA

12 inch Cordless Chain Saw	Model#PS76122A
Rated voltage:	20V
Bar length:	12"
Max cutting length:	12 in.
Chain pitch:	3/8 in.
Chain gauge:	0.05"
Chain speed:	5.6m/s
Brake time:	< 0.12s
Lubrication oil type:	30W
Lubrication oil capacity:	7.4 fl.oz
Battery type:	20V Lithium-ion, 1.5 Ah
Battery model:	PS76018B
Charge time:	1 hour
Charger model:	PS76018C
Charger rating:	Input: 120V AC, 60Hz, 0.54A; Output: 20V DC, 1.5A
Package dimensions (L x W x H):	17.91 x 8.86 x 9.06 inches
G.W. / N.W.:	10.6lbs / 6.8lbs

INTRODUCTION

Thank You for Purchasing a PowerSmart® Product. This manual provides information regarding the safe operation and maintenance of this product. Every effort has been made to ensure the accuracy of the information in this manual. PowerSmart® reserves the right to change this product and specifications at any time without prior notice.

Please keep this manual available to all users during the entire life of the chain saw.



This manual contains special messages to bring attention to potential safety concerns, chain saw damage as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.

QUESTIONS? PROBLEMS?

Please contact our Customer Service Dept. with any questions and/or comments, either by Email: support@amerisuninc.com, or Toll Free at (800)791-9458. We are available Mon-Fri 9am-5pm EST to help solve any issues that you might encounter.

SAFETY INFORMATION

Before operating this chain saw, read and observe all warnings, cautions, and instructions on the chain saw and in this Owner's Manual.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. Read the entire Owner's Manual for safety and operating instructions. Failure to follow instructions and safety information could result in serious injury or death.

This safety alert symbol is used to identify safety information about hazards that can result in personal injury.



A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

DANGER Indicates a hazard, which, if not avoided, will result in death or serious injury.

WARNING Indicates a hazard, which, if not avoided, could result in death or serious injury.

CAUTION Indicates a hazard, which, if not avoided, might result in minor or moderate injury.

CAUTION Without the alert symbol, indicates a situation that could result in damage.

GENERAL SAFETY PROCEDURES

Safety is a combination of common sense, staying alert, and knowing how your chain saw works.
SAVE THESE SAFETY INSTRUCTIONS.



WARNING: Do not operate this unit until you read this instruction manual for safety, operation and maintenance instructions. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

- 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.
- Do not allow children or untrained individuals to use this unit.
- Don't expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not handle plug or tool with wet hands.
- Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
- Always wear safety glasses with side shields. Everyday glasses have only impact resistant lenses. They are NOT safety glasses. Following this rule will reduce the risk of eye injury. Use face mask if operation is dusty.
- Wear eye protection when operating this product. Secure long hair above shoulder level to prevent entanglement in moving parts.
- Do not expose to rain, store indoors.
- Do not operate in poor lighting.
- Keep all parts of your body away from any moving part.
- Keep hair, loose clothing, fingers and all body parts away from openings and moving parts.
- Wear heavy long pants, boots, and gloves. Avoid loose garments and jewelry that could get caught in moving parts of the machine or its motor.
- Do not force tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
- Do not operate the equipment while barefoot or when wearing sandals or similar lightweight footwear. Wear protective footwear that will protect your feet and improve your footing on slippery surfaces.
- Secure long hair so it is above shoulder level to prevent entanglement in any moving parts.
- Keep firm footing and balance. Do not overreach. Overreaching can result in loss of balance.
- Do not allow to be used as a toy. Close attention is necessary when used by or near children.
- Do not use tool if switch does not turn it on or off. Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- Keep all bystanders, children, and pets at least 50 ft. away.
- Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication.
- Keep all parts of your body away from any moving parts and all hot surfaces of the unit.
- Check the work area before each use. Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the machine.
- Use only identical manufacturer's replacement parts and accessories. Use of any other parts may create a hazard or cause product damage.
- For household use only.
- Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Be aware of possible hazards when not using your battery tool or when changing accessories. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.

- Remove or disconnect battery before servicing, cleaning or removing material from the gardening appliance.
- Use only POWER SMART battery (Model#PS76018B)
- Store idle appliances - When not in use, chain saw should be stored indoors in a dry, locked place out of the reach of children.
- Do not dispose of the batteries in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- Do not place battery tools or their batteries near fire or heat. This will reduce the risk of explosion and possibly injury.
- Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.
- Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
- Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns. Do not open or mutilate the batteries. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- For best results, your battery tool should be charged in a location where the temperature is more than 45°F but less than 104°F. To reduce the risk of serious personal injury, do not store outside or in vehicles.
- Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water, then neutralize with lemon juice or vinegar. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then seek immediate medical attention. Following this rule will reduce the risk of serious personal injury.
- If the power supply cord is damaged, it must be replaced only by the manufacturer or by an authorized service center to avoid risk.
- Do not point the chain saw in the direction of people or pets.
- Maintain tool with care. Keep the chain saw clean for best and safest performance. Follow instructions for proper maintenance. Do not attempt to clear clogs from tool without first removing the battery.
- To reduce the risk of electrical shock, do not expose to rain, do not use on wet surfaces. Store indoors.
- Save these instructions. Refer to them frequently and use them to instruct others who may use this battery tool. If you loan someone this power tool, loan them these instructions also.

CHILD SAFETY

Tragic accidents can occur if the operator is not aware of the presence of children.

- Keep children out of the working area and under the watchful care of a responsible adult.
- Do not allow children under the age of 14 to operate this trimmer. Children who are 14 years of age and older must read and understand the operating instructions and safety rules in this manual, and must be trained and supervised by a parent.
- Stay alert, and turn the chain saw off if a child or any other person enters the working area.
- Look behind and down for small children before and while cutting backwards.
- Use extreme care when approaching blind corners, doorways, shrubs, trees, or other objects that may obscure your view of a child who may run into the path of the chain saw.



WARNING:

Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemical: work in a well-ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

SPECIFIC SAFETY RULES FOR CHAIN SAW








WARNING: Do not operate your chain saw until it is completely assembled and installed according to the instructions.






- **DANGER – Keep hands away from blade.** Contact with blade will result in serious personal injury.
- Use chain saw for cutting wood only. Do not use for cutting non-wood items.
- Make sure that the area in which you are cutting is free from obstructions. Do not let the nose of the Guide bar contact a log, branch, fence, or any other obstruction while you are operating the unit. Have a planned retreat path.
- Do not grasp the exposed cutting blades or cutting edges when picking up or holding the product.
- Cut only when visibility and light are adequate for you to see clearly.
- To protect yourself from electrocution, do not operate within 50 feet of overhead electrical lines.
- Before starting the motor, make sure the chain is not contacting any object.
- Turn off the motor and make sure cutting attachment has stopped before setting unit down.
- Follow the sharpening and maintenance instructions for the saw chain.
- Use only the replacement guide bars and low kickback chains specified for the unit.
- Do not operate the saw with one hand! Serious injury to the operator, helpers, bystanders, or any combination of these persons may result from one hand operation. This saw is intended for two-hand use.

- Use extreme caution when cutting small-sized brush and saplings because slender material may catch the saw chain and be whipped toward you or pull you off balance.
- When cutting a limb that is under tension, be alert for spring back so that you will not be struck when the tension in the wood fibers is released.
- To avoid accidental starting, never carry plugged in product with finger on switch. Be sure switch is off when plugging in.
- Maintain product with care. Keep cutting edge sharp and clean for best performance and to reduce the risk of injury. Follow this instruction for lubricating and changing accessories. Inspect 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.
- Remove the battery pack when not in use, before servicing, and when changing accessories.
- Service on the product must be performed by qualified repair personal only. Service or maintenance performed by unqualified personal could result in injury to the user or damage to the product.

SYMBOLS

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

SYMBOL	NAME	DESIGNATION/EXPLANATION
V	Volts	Voltage
A	Amperes	Current
Hz	Hertz	Frequency (cycles per second)
W	Watts	Power
hrs	Hours	Time
	Safety Alert	Precautions that involve your safety.
	Read the user's manual	To reduce the risk of injury, user must read and understand user's manual before using this product.
	Ear protection	Wear ear protection when operating this equipment.
	Eye protection	Wear eye protection when operating this equipment.
	Keep tool away from electrical lines/keep bystanders away	DANGER! Risk of electrocution! Keep tool 50 feet away from electrical lines. Keep all bystanders at least 50 ft. away.

SYMBOL	NAME	DESIGNATION/EXPLANATION
	Wet conditions alert	Do not expose to rain or use in damp locations.
	Bar Nose Contact	Avoid bar nose contact.
	No Hands Symbol	Failure to keep your hands away from the blade will result in serious personal injury.
	Operate With Two Hands	Hold and operate the chain saw properly with both hands.
	Electric shock alert	Beware of electric shock hazard.

SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you return the product to your nearest **AUTHORIZED SERVICE CENTER** for repair. When servicing, use only identical replacement parts.



WARNING: To avoid serious personal injury, do not attempt to use this product until you have read this Owner's Manual thoroughly and understand it completely. If you do not understand the warnings and instructions in this Owner's Manual, do not use this product. Call the Toll-free Helpline (1-800-791-9458) for assistance.



WARNING:

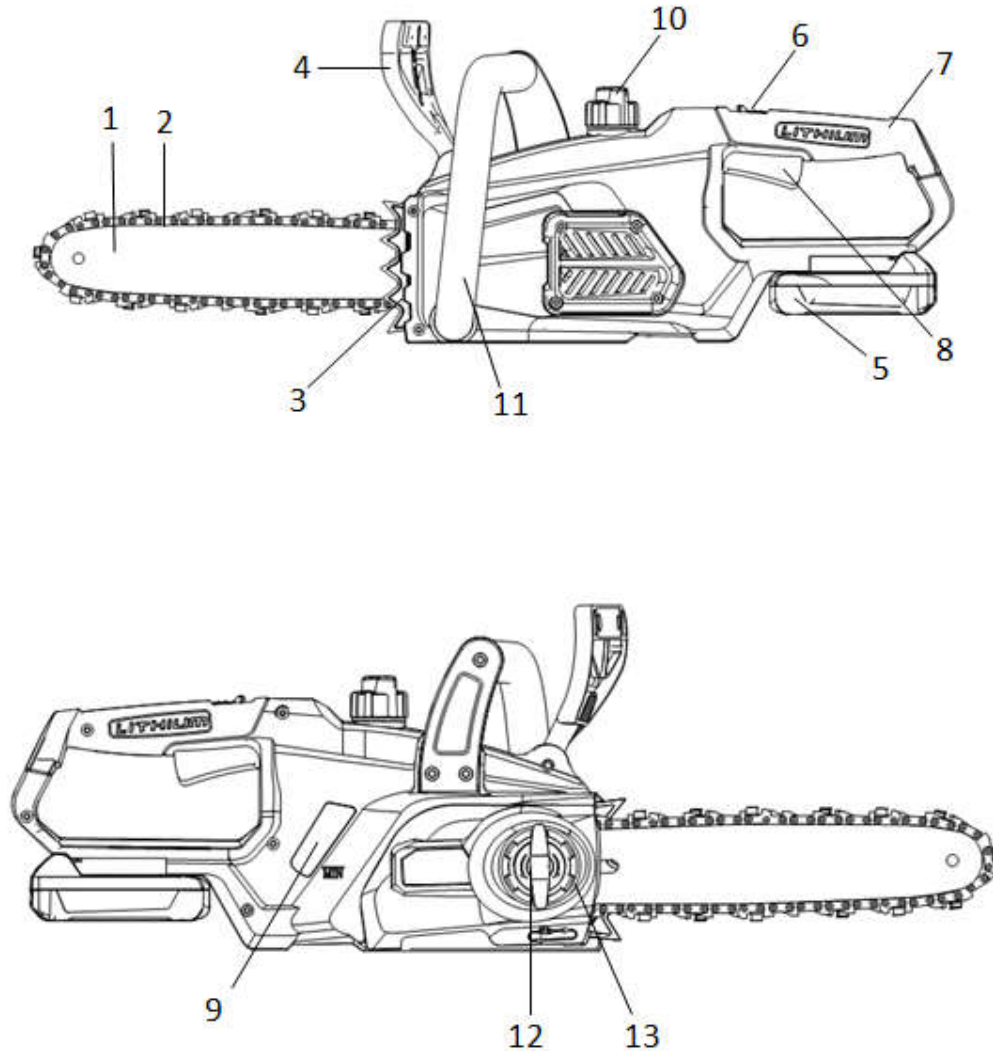
The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and, when needed, a full face shield. We recommend Wide Vision Safety 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

KNOWING YOUR CHAIN SAW

Please use the illustration below to familiarize yourself with the location and function of the components that control of your chain saw.



- | | | |
|-----------------------------------|------------------------------|---------------------------|
| 1. Guide Bar | 5. Lithium Battery Pack Knob | 10. Oil Tank Cap |
| 2. Saw Chain | 6. Lock Off Button Ring | 11. Front Handle |
| 3. Bumper | 7. Rear Handle | 12. Side Cover Lock Knob |
| 4. Chain Kickback
Brake Handle | 8. Trigger | 13. Chain Tensioning Ring |
| | 9. Oil Inspection Window | |

Unpacking

Unpack the chain saw and all its parts, and compare against the list below. Do not discard the carton or any packaging materials. Please call 1-800-791-9458 or E-mail us at support@amerisuninc.com if any parts are damaged or missing.

Including: Chain saw / User manual / Battery / Charger / Saw chain / Guide bar / Scabbard

ASSEMBLY INSTRUCTIONS



WARNING:

Do not use this product if any parts on the packing list are already assembled to your product when you unpack it. Parts on this list are not assembled to the product by the manufacturer and require customer installation. Use of a product that may have been improperly assembled could result in serious personal injury.



WARNING:

If any parts are damaged or missing do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.



WARNING:

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



WARNING:

Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

FITTING THE GUIDE BAR AND CHAIN



WARNING: If the chain saw is already connected to the battery pack, remove the battery pack from the chain saw. Wear protective gloves whenever doing any work on the saw chain. Before assembling the guide bar with the saw chain, check the cutting direction of the teeth! The running direction is marked with an arrow on the cover. To determine the direction of cut, it may be necessary to turn over the saw chain. Hold the guide bar vertically with the tip pointing upwards and put on the saw chain, beginning at the tip of the bar.

1. Place the guide bar with the saw chain on the chain wheel and guide bolt. Ensure that the adjustment plate is showing to you.
2. Place the saw chain round the chain wheel. Cause the chainsaw to the sprocket and check whether it is correctly.
3. The adjustment plate is fastened to the guide rail with the screw.
4. Place the cover on top and tighten gently with the lock nut.

OPERATION



WARNING: Read and thoroughly understand all instructions and safety information before operating this chain saw. Failure to do so may cause serious injury or death. Do not allow anyone to operate this chain saw who has not read this manual. A chain saw can be dangerous if assembled or used improperly. Do not operate this chain saw if you have doubts or questions concerning safe operation. Call our customer service department at 1-800-791-9458 to address these concerns.

ADDING BAR AND CHAIN LUBRICANT

Use premium bar and chain lubricant. It is designed for chains and chain oilers, and is formulated to perform over a wide temperature range with no dilution required.

1. Remove the battery pack from the chain saw.
2. Clean the dust from the oil tank cap and the surroundings to prevent dust from entering the Oil tank when filling the oil.
3. Place the chain saw on the horizontal surface and unscrew the oil tank cap counter-clockwise.
4. Wipe off excess lubricant.
5. Fill the lubricant in the oil tank up to the neck of the oil.
6. Close the oil tank cap and tighten it clockwise.

NOTE: Do not use dirty, used, or otherwise contaminated lubricants. Damage may occur to the bar or chain.

NOTE: It is normal for oil to seep from the saw when not in use. To prevent seepage, empty the oil tank after each use then run for one minute. When storing the unit for a long period of time(three months or longer) be sure the chain is lightly lubricated; this will prevent rust on the chain and bar sprocket.

CONNECTING AND REMOVING BATTERY

IMPORTANT!

The battery pack is not charged when it is purchased. Before using the chain saw for the first time, place the battery pack in the battery charger and charge. Make sure to read all safety precautions, and follow the instructions in the battery charger section.

To remove the battery pack

Press the battery release button ,Slide the battery pack backward, and then pull or lift the battery out of the tool .

To install the battery pack

To install the battery pack into the bottom of the handle, align the rails of the battery pack with the rails in the handle and push the battery into the handle. To connect the battery, slide the battery pack fully forward. Until the latch locks into place.



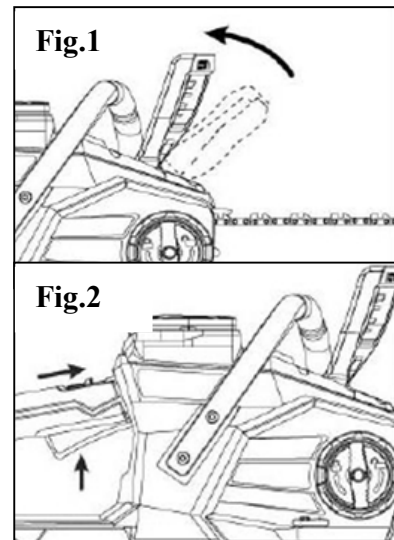
WARNING:

Follow these instructions in order to avoid injury and to reduce the risk of electric shock or fire:

- Replace the battery pack or the charger immediately if the battery case or charger cord is damaged.
- Verify that the battery pack is removed before inspecting, adjusting, or performing maintenance on any part of the chain saw.
- Read, understand, and follow the instructions.

STARTING THE CHAIN SAW

- Insert the battery pack.
- Make sure that there are no obstructions in contact with the guide bar and the chain.
- Pull the brake baffle toward the battery pack and ensure that it remains in the working position(see fig.1).
- Hold the front handle with you left hand, and hold the rear handle with your right hand.
- Push forward the lock-off button and hold the trigger switch so that the chain saw is started(see fig.2).



STOPPING THE CHAIN SAW

- Remove the chain saw from the cutting area, release the trigger switch and stop the chain saw.
- Push the brake baffle forward to switch it to the braking position.

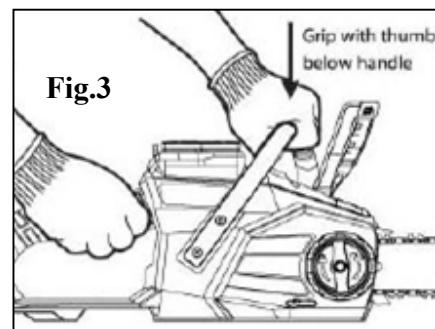


WARNING:

The tool runs for approximately 4 seconds after it has been switched off. Let the motor come to a complete standstill before setting the tool down.

PROPER GRIP ON HANDLES

- Wear non-slip gloves for maximum grip and protection.
- With the saw on a firm, fiat surface, hold the saw firmly with both hands.
- Always grasp the front handle with the left hand and the rear handle with the right handle.
- The fingers should encircle the handle, with the thumb wrapped under the front handle (see fig.3).



CUTTING TIPS



WARNING:

If bar and chain become jammed, stop the motor, allow the chain to stop, and disconnect the plug from the power source before attempting to remove the obstruction. Failure to follow these steps could result in accidental starting of the lopper and cause serious personal injury.

- Cut only wood or materials made from wood, do not cut sheet metal, plastics, masonry, or non-wood building materials.
- Never allow children to operate the chain saw.
- Allow no person to use this chain saw who has not read this Operators Manual or received adequate instructions for the safe and proper use of this chain.
- Always cut with both feet on solid ground to prevent being pulled off balance.
- Do not cut above chest height, as a saw held higher is difficult to control against kickback forces.
- Do not fell trees near electrical wires or buildings.
- Press the lock-off button and squeeze the trigger to start the chain saw. Let the chain reach the full speed before beginning the cut.
- Begin cutting by lightly pressing the guide bar against the wood. Use only light pressure, letting the saw do the work.
- Maintain a steady speed throughout the cut, releasing pressure just before the end of the cut.
- Release the trigger as soon as the cut is completed, allowing the chain to stop.

MAINTENANCE



WARNING:

In order to avoid personal injury and the risk of fire and electric shock, remove the battery pack before adjusting, inspecting, or cleaning the chain saw.



WARNING:

When servicing, use only identical replacement parts. Use of any other parts could create a hazard or cause product damage.

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 clothes to remove dirt, dust, oil, grease, etc.



WARNING:

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

CHAIN TENSION



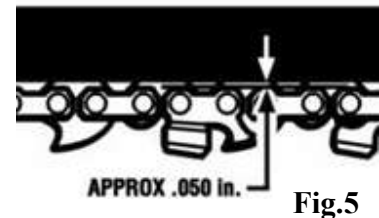
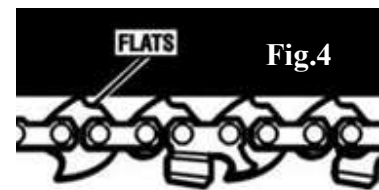
WARNING:

To avoid possible serious injury, never touch or adjust the chain while the motor is running. The saw chain is very sharp; always wear protective gloves when performing maintenance to the chain.

1. Stop the motor and remove the battery pack before adjusting the chain tension.
2. Loosen the side cover knob.
3. Turn the chain-tensioning knob clockwise to tension the chain. See the section: "REPLACING THE BAR AND CHAIN" in this manual for additional information.

NOTE: A cold chain is correctly tensioned when there is no slack on the underside of the guide bar, the chain is snug, but it can be turned by hand without binding.

4. Chain must be re-tensioned whenever the flats on the drive links hang out of the bar groove (see fig.4).
5. During normal operation, the temperature of the chain will increase. The drive links of a correctly tensioned warm chain will hang approximately 0.050 in. out of the bar groove (see fig.5).
6. Retighten the side cover knob.



NOTE: New chain tends to stretch; check chain tension frequently and tension as required.

NOTICE: Chain tensioned while warm, can be too tight upon cooling. Check the "cold tension" before next use.

REPLACING THE BAR AND CHAIN



WARNING:

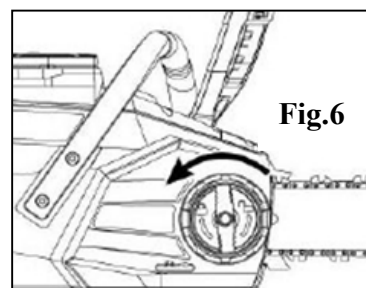
To avoid possible serious injury, stop the motor and disconnect from power supply before replacing the bar, chain, or performing any maintenance operation.



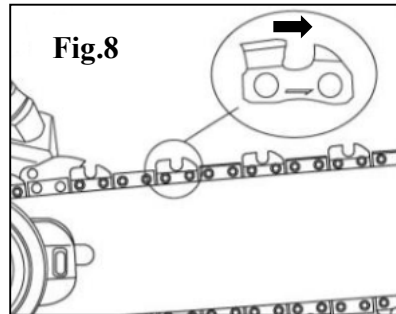
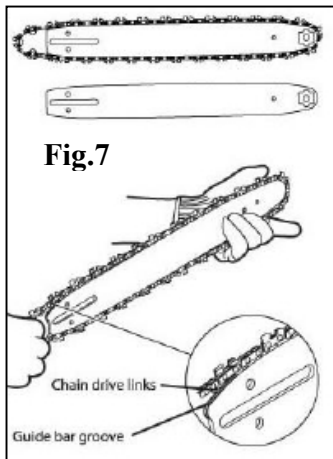
CAUTION:

Always wear gloves when handling the bar and chain; these components are sharp and may contain burrs.

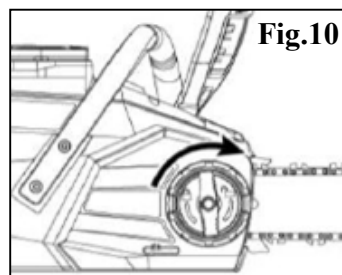
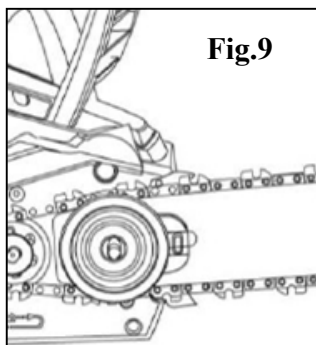
1. Remove the battery pack from the chainsaw.
2. Release the guide plate locking knob counter-clockwise and open the side cover (see fig.6).
3. Rotate the disk wheel at the rear end of the guide plate counter-clockwise and remove the guide bar and the saw chain.



4. Install the saw chain in the guide slot on the guide bar (see fig.7).
The chain must be so fitted over the guide bar that the cutting edges of the cutters face in the direction that the chain runs(see fig.8).



5. Grasp the guide bar and the saw chain so that the centre hole of the disk wheel is inserted into the screw stud, and lop the saw chain onto the sprocket (see fig.9).
6. Cover the side cover and tight the side cover lock knob properly but do not make it too tight.
7. Rotate the chain tensioning ring clockwise until the saw chain is tight enough (see the description of the chainsaw tensionadjustment section).
8. Tighten the side cover lock knob(see fig.10).



CHAIN OILER

Use premium bar and chain lubricant. It is designed for chains and chain oilers and is formulated to perform over a wide temperature range with no dilution required.

1. Remove the battery pack from the chain saw.
2. Clean the dust from the oil tank cap and the surroundings to prevent dust from entering the Oil tank when filling the oil.
3. Place the chain saw on the horizontal surface and unscrew the oil tank cap counter-clockwise.
4. Wipe off excess lubricant.
5. Fill the lubricant in the oil tank up to the neck of the oil.
6. Close the oil tank cap and tighten it clockwise.

NOTE: Do not use dirty, used, or otherwise contaminated lubricants. Damage may occur to the oil pump, bar, or chain.

GUIDE BAR MAINTENANCE

When the guide bar shows signs of wear, reverse it on the saw to distribute the wear for maximum bar life. The bar should be cleaned every day of use and checked for wear and damage.

Feathering or burring of the bar rails is a normal process of bar wear. Such faults should be smoothed with a file as soon as they occur.

A bar with any of the following faults should be replaced.

- Wear inside the bar rails which permits the chain to lay over sideways.
- Bent guide bar.
- Cracked or broken rails.
- Spread rails.

Lubricate guide bars with a sprocket at their tip weekly. Using a grease syringe, lubricate weekly in the lubricating hole. Turn the guide bar and check that the lubrication holes and chain groove are free from impurities.

BATTERY PACK

- Store the battery pack fully charged.
- Once the charging light turns green, remove the battery from the charger and disconnect the charger from the outlet.
- Do not store the battery pack on the tool.
- After charging, the battery pack may be stored in the charger, as long as the charger is not plugged in.

CHARGER MAINTENANCE

- Keep the charger clean and clear of debris. Do not allow foreign material to get into the recessed cavity or onto the contacts. Wipe the charger clean with a dry cloth. Do not use solvents or water, and do not place the charger in wet conditions.
- Unplug the charger when there is no battery pack in it.
- Fully charge the batteries before placing them in storage.
- Store the charger at normal room temperature. Do not store it in excessive heat. Do not use the charger in direct sunlight. Recharge at room temperature between 45°F and 104°F. If the battery pack is hot, allow it to cool down before recharging.

STORAGE

- Store out of the reach of children.
- Clean all foreign material from the product. Store idle unit indoors in a dry, well-ventilated area that is inaccessible to children. Keep away from corrosive agents such as garden chemicals and de-icing salts.

ENVIRONMENTALLY SAFE BATTERY DISPOSAL

The batteries used in this chain saw's battery pack contain the following toxic and corrosive material:
LITHIUM-ION.



WARNING:

Toxic materials must be disposed of in a specified manner in order to prevent contamination of the environment. Before disposing of damaged or worn out Lithium-Ion battery packs, contact your local waste disposal agency for information and specific instructions. Take the batteries to a local recycling and/or disposal centre that is certified for disposal.

If the battery pack cracks or breaks, whether it leaks or not, do not recharge it and do not use it. Dispose of it and replace it with a new battery pack. **DO NOT ATTEMPT TO REPAIR IT!**

Follow these instructions in order to avoid injury and the risk of fire, explosion, or electric shock, and to avoid damage to the environment:

- Cover the battery's terminals with heavy-duty adhesive tape.
- Do not attempt to remove or destroy any of the components of the battery pack.
- Do not attempt to open the battery pack.
- If a leak develops, the electrolytes that are released are corrosive and toxic. Do not get the solution in the eyes or on the skin, and do not swallow it.
- Do not place batteries in regular household trash.
- DO NOT incinerate batteries.
- DO NOT place batteries where they will become part of any waste landfill or municipal solid waste stream.
- Dispose of batteries at a certified recycling or disposal centre.

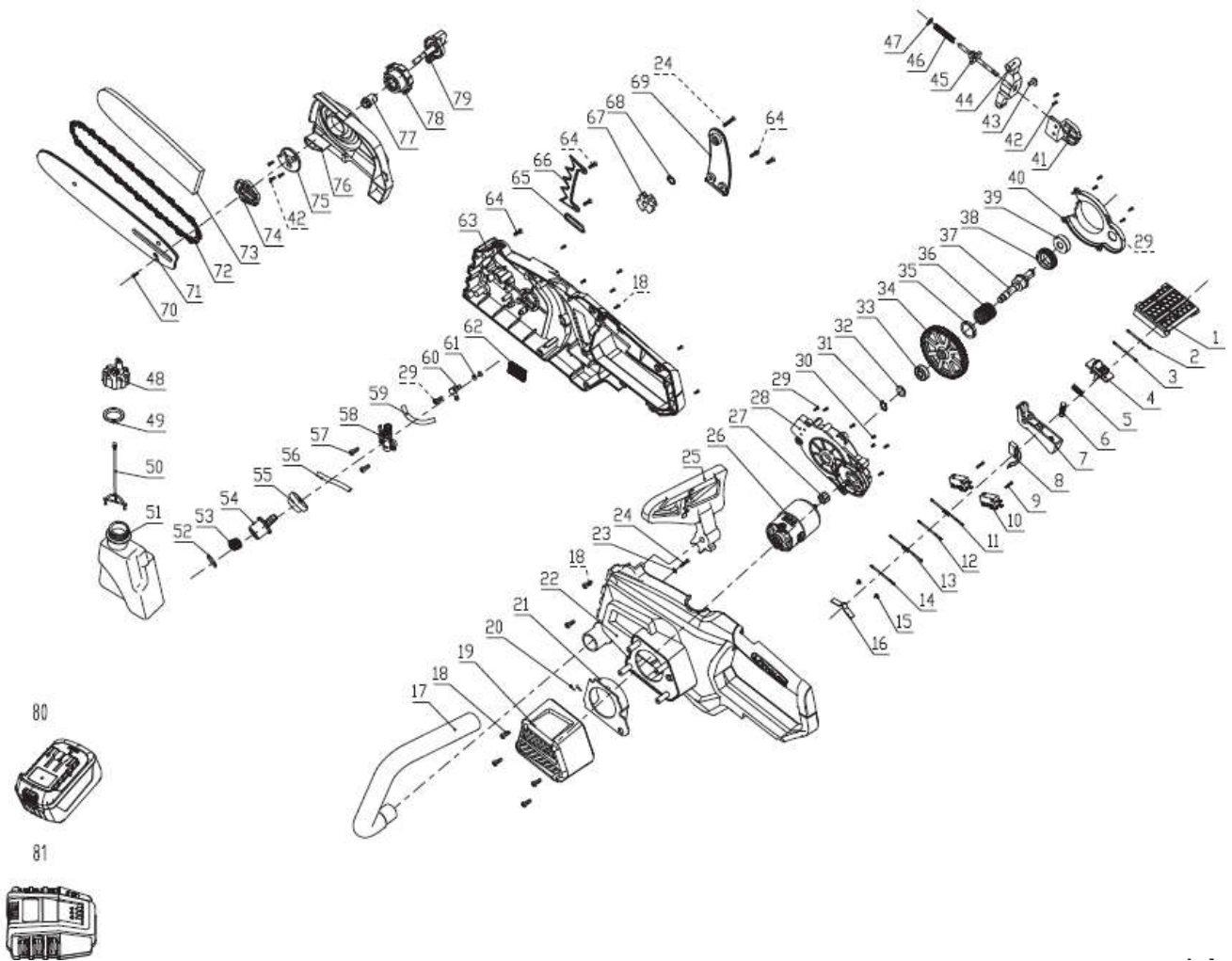
TROUBLE SHOOTING

The following form lists the common operating system with problem and solutions. Please read the form carefully and follow it.

PROBLEMS	POSSIBLE CAUSES	SOLUTION
Motor does not run.	<ul style="list-style-type: none"> · The battery pack is not attached to the chain saw. · There is no electrical contact between the saw and battery. · The battery pack is depleted. · The battery pack or chain saw is too hot. · The back-off button is not depressed before pressing the trigger switch. · Chain brake is engaged. · Saw chain is bound in the wood. · Debris in bar groove. · Debris inside cover. 	<ul style="list-style-type: none"> · Attach the battery pack to the chainsaw. · Remove the battery, check contacts and reinstall the battery pack. · Charge the battery pack. · Allow the battery pack or chainsaw to cool. · Press down the lock-off button and hold it, then depress the trigger switch to turn on the chain saw. · Pull the chain kickback brake handle backward toward the front handle. · Release the trigger switch; remove the saw chain and guide bar from the wood, then restart the chain saw. · Press the saw chain against the wood, move the chain saw back and forth to discharge the debris. · Remove battery pack, then remove side cover and clean out debris.
Motor runs, but chain does not rotate.	<ul style="list-style-type: none"> · Chain does not engage drive sprocket. 	<ul style="list-style-type: none"> · Reinstall the chain, making sure that the drive links on the chain are fully seated on the sprocket.
Chain brake does not engage.	<ul style="list-style-type: none"> · Debris preventing full movement of the chain kickback brake handle. 	<ul style="list-style-type: none"> · Clean debris from extremal chain brake mechanism.

PROBLEMS	POSSIBLE CAUSES	SOLUTION
Chain saw does not cut properly.	<ul style="list-style-type: none"> · Insufficient chain tension. · Dull chain. · Chain installed backwards. · Worm chain. · Dry or excessively stretched chain. · Chain not in bar groove 	<ul style="list-style-type: none"> · Readjust the chain tension, following the section: "CHAIN TENSION". · Reinstall the saw chain, following the section: "REPLACING THE BAR AND CHAIN". · Replace the chain, following the section: "REPLACING THE BAR AND CHAIN". · Check the oil level. Refill the oil tank if necessary. · Reinstall the saw chain, following the section: "REPLACING THE BAR AND CHAIN".
Bar and chain running hot and smoking.	<ul style="list-style-type: none"> · Check chain tension for over tightened condition. · Chain oil tank is empty. · Debris in guide bar groove. 	<ul style="list-style-type: none"> · Re-tension the saw chain; see the section: "CHAIN TENSION". · Filling bar and chain lubricant. · Clear the debris in the groove.

EXPLODED VIEW & PARTS LIST



Item	Stock#	Description	QTY	Item	Stock#	Description	QTY
1	246-8J11301	plug-in pieces base	1	45	231-7J11201	brake rod	1
	162-8J11301	plug-in pieces	2	46	344-7J11502	brake spring	1
2	173-8J11301	negative pole connect line	1	47	129-A0501	flat washer	1
3	173-8J11302	positive pole connect pole	1	48	385-7J14501	oil tank cap	1
4	293-8J10901	anti self-locking button	1	49	128-7J10104	seal ring	1
5	344-7A61001	spring	1	50	431-7J14501	hook	1
6	344-7J10301	spring	1	51	207-8J11301	oil tank	1
7	296-8J11301	swtich trigger	1	52	261-7J10101	oil tank plug	1
8	141-7A61001	capacitance	1	53	272-7J10101	sponge	1
9	131-NBCD30-18	screw	2	54	262-7J10301	oil tank joint	1
10	139-8A60101	microswitch	2	55	128-7J10301	seal ring	1
11	140-8J11301	inductance 1	1	56	255-7J11301	oil inlet tube	1
12	173-8J11304	white connect line	1	57	131-NBCD30-10	screw	2
13	140-8J11302	inductance 2	1	58	421-7J15101	oil pump assy	1
14	173-8J11303	black connect line	1		421-7J10101	oil pump main part	1
15	131-NBCD30-08	flange screw	2		410-7J10101	piston bush	1
16	348-7J12101	brake spring	1		356-7J10101	turbine	1
17	299-7J10301	auxiliary handle	1		360-7J13702	worm gear tooth	1
18	131-ABBD40-16	screw	14	59	255-7J14502	oil outlet tube	1
19	313-8J11301	rear motor cover	1	60	432-7J13801	oil nozzle	1
20	141-8J31401	capacitance	2	61	128-7J10101	O seal ring	2
21	318-8J11301	wind scoope	1	62	453-7J11802	sponge bar	1
22	297-8J11301	left handle	1	63	297-8J11302	right handle	1
23	129-A0509	flat gasket	1		132-B06	nut	1
24	131-ABAD50-30	screw	2		131-7J10901	bolt	1
25	221-8J11301	safety guard	1		198-7J15301	bearing sleeve	1
	267-8J11301	clump weight	1	64	131-ABAD50-16	screw	5

Item	Stock#	Description	QTY	Item	Stock#	Description	QTY
26	114-8J11301	motor	1	65	128-7J10102	seal ring	1
27	359-8J11302	small gear	1	66	216-7J10102	holder	1
28	225-8J11301	supporting plate	1	67	358-7J11201	sprocket	1
29	131-ABBD40-12	screw	10	68	130-E0701	E ring	1
30	131-ABDD05-08	screw	2	69	217-7J10301	Handle plate	1
31	130-G08	ring	1	70	131-7J13402	screw	1
32	179-7J14501	flat gasket	1	71	223-12	bar	1
33	369-A000608	bearing	1	72	372-12	chain	1
34	359-8J11301	big gear	1	73	195-7J10401	bar cover	1
35	198-7J10101	shaft sleeve	1	74	267-8J11302	block	1
36	346-7J10101	torsional spring	1	75	232-8J31403	wheel	1
37	334-7J14501	output shaft	1	76	386-8J11202	sprocket cover	1
38	231-7J15101	worm	1	77	295-8J31401	adjust sleeve	1
39	369-A006000	bearing	1	78	232-8J31402	adjust knob	1
40	313-8J11302	dust cover	1	79	295-8J31801	Compression knob	1
41	217-7J11201	fixed plate	1		131-8J31802	inlays	1
42	131-EBAD40-12	screw	5	80	PS76018B	battery	1
43	131-NBCD40-12	screw	1	81	PS76018C	charger	1
44	234-8J11301	connecting rod	1				

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Please call toll free at: 1-800-791-9458 (M-F 9am – 5pm EST)
Email: support@amerisuninc.com

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