

ELECTRIC POLE CHAIN SAW

10IN | 7 AMP

OPERATOR'S MANUAL

Model MTS-PS10

Form No. SJ-MTS-PS10-880E-M

IMPORTANT! Safety Instructions

All Operators Must Read These Instructions Before Use

Always follow these safety guidelines. Failure to do so may result in serious bodily injury or death.

⚠ DANGER! This indicates a hazardous situation, which, if not followed, will result in serious injury or death.

⚠ WARNING! This indicates a hazardous situation, which, if not avoided, could result in serious injury or death.

⚠ CAUTION! This indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.

General Safety

⚠ WARNING! When using electric yard tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

- 1. Keep guards in place** – Protective guards should be checked periodically to ensure they are properly fitted and in correct working order.
- 2. Remove adjusting keys and wrenches** – Check that adjusting wrenches are removed from the saw before turning it on.
- 3. Keep work area clean and well-lit** – Clear work area of branches and limbs after each cutting session. Cluttered areas invite accidents.
- 4. Do not use in dangerous environments** – Do not use the pole chain saw in damp or wet locations.
- 5. Do not use the pole chain saw in the rain.**
- 6. Keep bystanders and children away** – All bystanders, including children and pets, should be kept a safe distance away from the work area.
- 7. Do not force the tool** – It will do the job effectively and safely if it is used at the rate for which it was designed.
- 8. Use the right tool** – Do not force the tool or any attachment on the tool to do a job for which they were not designed.
- 9. Wear proper apparel** – Do not wear loose articles of clothing or jewelry since such items may get caught in moving parts. Use of heavy-duty rubber gloves, substantial non-skid footwear, and close-fitting clothing is recommended when working outdoors with power tools.
- 10. Wear protective hair coverings to contain long hair.**
- 11. Always wear safety glasses and ear defenders to provide eye and ear protection** – Everyday eyeglasses only have impact resistant lenses and do not provide the same protection as safety glasses.
- 12. Wear face or dust masks** – If the cutting operation is dusty, the use of a face or dust mask specially designed to filter out microscopic particles is recommended.
- 13. Do not overreach** – Keep proper footing and balance at all times.
- 14. Maintain tools with care** – Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 15. Disconnect tool** – Disconnect the pole chain saw from the power supply when not in use, before servicing, when transporting, or when changing the chain or other accessories.
- 16. Reduce the risk of unintentional starting** – Make sure the switch is in the OFF position before plugging the tool into a power source.
- 17. Use recommended accessories** – Consult the owner's manual for recommended accessories. The use of improper accessories may cause risk of injury.
- 18. Check for damaged parts** – Before each use, repair or replace any guard or part that is damaged. In addition, check for alignment of moving parts, binding of moving parts, breakage of parts, and any other conditions that may affect the tool's operation.
- 19. Never leave tool unattended while it is running** – Turn the power OFF by removing the power cord directly from its socket. Do not leave the saw until the cutting chain comes to a complete stop.
- 20. Avoid unintentional starting** – Do not carry the pole chain saw with your finger on the switch.
- 21. Do not grasp the exposed cutting blade or cutting edges when picking up or holding the saw** – Be sure to encase the cutting bar in its protective sheath when not in use.
- 22. Stay alert** – Watch what you are doing. Use common sense. Do not operate the pole chain saw when you are tired.

23. **Store idle tool indoors** – When not in use, appliances should be stored indoors in a dry and high or locked-up place out of the reach of children.

Electrical Safety

1. Ground fault circuit interrupter (GFCI) protection should be provided on the circuit(s) or outlet(s) to be used for the pole chain saw. Receptacles are available having built-in GFCI protection and may be used for this measure of safety.
2. To prevent electric shock, use only with an extension cord suitable for outdoor use, such as SW-A, SOW-A, STW-A, STOW-A, SJW-A, SJOW-A, SJTW-A, or SJTOW-A.

Before use, check that the extension cord is in good condition. When using an extension cord, make sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating.

3. To reduce the risk of electric shock, this appliance has a polarized plug (i.e. one blade is wider than the other). Use this appliance only with a polarized UL-, CSA-, or ETL-rated extension cord for outdoor, all-weather use. The appliance plug will fit into a polarized extension cord only one way.

If the appliance plug does not fit fully into the extension cord, reverse the plug. If the plug still does not fit, obtain a correct polarized extension cord. A polarized extension cord will require the use of a polarized wall outlet. The extension cord plug will fit into the polarized wall outlet only one way. If the plug does not fit fully into the wall outlet, reverse the plug. If the plug still does not fit, contact a qualified electrician to install the proper wall outlet. Do not modify the appliance plug, extension cord receptacle, or extension cord plug in any way.

⚠ **WARNING!** ⚠

Electric shock may cause SEVERE INJURY or DEATH. Heed these warnings:

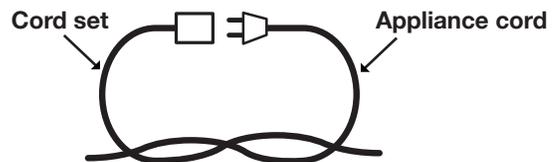
- Do not allow any part of the pole chain saw to make contact with water while it is in operation. If the appliance becomes wet while turned off, wipe dry before starting.
- Use only a UL-, CSA-, or ETL-rated extension cord for outdoor, all-weather use.
- Do not use an extension cord over 100 ft (30 m).
- Do not touch the appliance or its plug with wet hands or while standing in water. Wearing rubber boots offers some protection.

EXTENSION CORD CHART

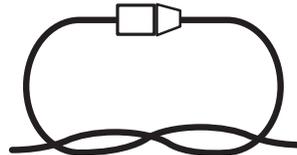
Cord Length:	Up to 50 ft (15 m)	+50 ft - 100 ft (+15 m - 30 m)
Min. Wire Gauge (A.W.G.):	16	14

4. To prevent the appliance cord from disconnecting from the extension cord during operation, use the cord restraint hook and/or make a knot with the two cords as shown in Table 1.

Table 1. Method of Securing Extension Cord



(A) Tie cord as shown



(B) Connect plug and receptacle

5. Do not abuse the cord. Never pull the pole chain saw by the cord or yank the cord to disconnect it from the receptacle. Keep the cord away from heat, oil, and sharp edges.

Specific Safety Rules For Pole Chain Saws

⚠️ WARNING! SHOCK HAZARD! – To protect yourself from electrocution, do not operate the pole chain saw within 50 ft (15 m) of overhead wires. Failure to follow this instruction could result in severe personal injury.

Operating Tips For Pole Chain Saws

- Stay alert. Use common sense while operating the unit.
- Keep work area clean and well-lit. Cluttered areas invite accidents.
- Note the extension cord's location relative to the tool. While operating the pole chain saw, be careful not to trip over the cord.
- Keep the cord away from the chain and the operator at all times.
- Keep children, animals, and bystanders a safe distance away from the pole chain saw and extension cord.
- Only the pole chain saw operator should be in the work area.
- Do not use the pole chain saw to cut down trees.
- Always use two hands when operating the pole chain saw. Grip the pole chain saw securely with one hand on the trigger, the other hand on the pole.
- Before starting the pole chain saw, make sure that the saw chain is not in contact with any object.
- Do not allow the pole chain saw to make contact with grounded objects such as pipes, fences, and metal posts.
- Keep all parts of the body away from the saw chain while operating the pole chain saw.
- Do not force the pole chain saw while cutting. Apply light pressure. It will perform more effectively and safely if it is used at the rate for which it was designed.
- Use extreme caution when cutting a limb that is under tension. When wood tension is released, the limb could spring back and strike the operator, causing severe injury or death.
- Do not carry a plugged-in unit. Carry the pole chain saw from one place to another with the unit unplugged. During transport, hold the pole at its balance point (close to the saw end), with the guide bar and chain facing to the rear.
- Do not cut small brush and saplings with the pole chain saw. Small branches may catch in the chain and be whipped towards the operator, which could pull the operator off balance.

Kickback

⚠️ WARNING! 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.

AVOID CONTACTING THE GUIDE BAR TIP WITH ANY OBJECT. In some cases, when the tip makes contact with an object, it may cause a fast reverse reaction, kicking the guide bar up and back towards the operator. Pinching the saw chain along the top of the guide bar may also push the guide bar rapidly back towards the operator. Either of these reactions may cause you to lose control of the pole chain saw, which could result in serious personal injury.

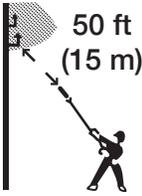
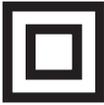
- Kickback safety devices on this pole chain saw include a skip chain and a low kickback guide bar. These will reduce, but not entirely prevent, kickbacks. Follow the necessary precautions indicated in this operator's manual to avoid kickbacks.
- Always use two hands when operating the pole chain saw, one hand gripping the trigger and the other hand gripping the pole. Use a firm grip. Thumbs and fingers must wrap around the trigger and the pole.
- Keep all guards in place on the pole chain saw. Make sure they are in proper working order.
- Do not overreach or extend arms above shoulder height.
- Keep solid footing and balance at all times.
- Never try cutting through two branches at the same time. Only cut one at a time.
- Do not bury the guide bar nose or try to cut by boring the guide bar nose into the wood.
- Watch for shifting of wood or other forces that may pinch the chain.
- Use extreme caution when re-entering a previous cut.
- Use the low-kickback chain and guide bar supplied with this pole chain saw. Only use genuine Snow Joe® + Sun Joe® replacement parts designed specifically for use with this pole chain saw.
- Never use a dull or loose chain. Keep the chain sharp with proper tension.

Pole Chain Saw Trimming Precautions

- Never stand directly under the limb you are trimming. Always position yourself outside the path of falling debris.
- Never stand on a ladder or other type of unstable support while using the pole chain saw.
- Keep all handles and grip surfaces clean, dry, and free from oil and grease.
- Always use both hands to operate the pole chain saw. Keep a firm, steady pressure on the pole chain saw while cutting, but do not try to cut limbs larger in diameter than the length of the guide bar.
- Keep other people and pets away from the cutting end of the pole chain saw and at a safe distance away from the work area.
- Do not use the pole chain saw near cable, electric power, or telephone lines. Maintain a minimum clearance of 50 ft (15 m) from all power lines.

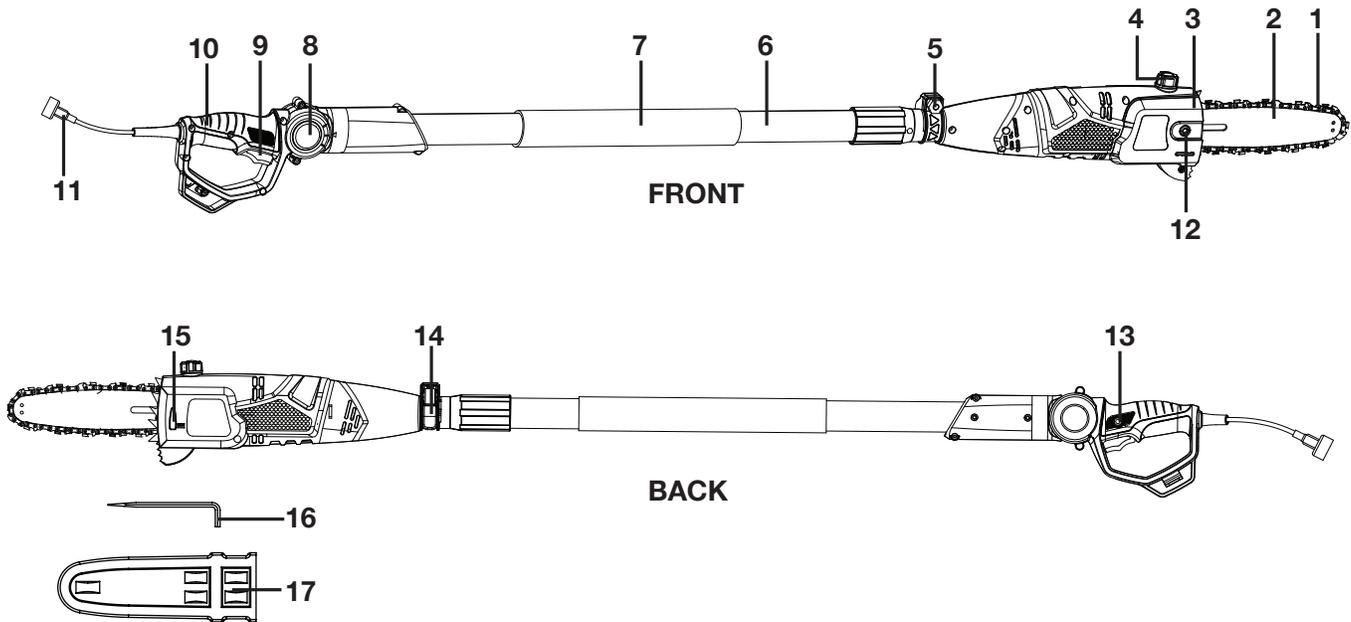
Safety Symbols

The following table depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate.

Symbols	Descriptions	Symbols	Descriptions
	READ THE OPERATOR'S MANUAL(S) – Read, understand and follow all instructions in the user manual(s) before attempting to assemble and operate.		Keep bystanders and children a safe distance away.
	SAFETY ALERT – Indicates a precaution, a warning, or a danger.		WARNING! Do not expose the unit to rain or wet conditions.
	Wear personal protective equipment, including close-fitting clothing.		WEAR EYE AND HEARING PROTECTION – For protection against injury, wear ear defenders and safety goggles.
	CAUTION! Avoid contacting the guide bar tip with any object. Tip contact may cause the guide bar to move suddenly upward and backwards, which may cause serious injury to the user.		WARNING! SHOCK HAZARD – Keep at least 50 ft (15 m) away from power lines. Do not overreach. Keep proper footing and balance at all times.
 	DANGER! ROTATING BLADES – Keep hands and feet away from openings while the saw is running.	 	Wear protective gloves and non-slip footwear when using the machine and handling debris.
	SWITCH OFF! Remove plug from outlet before cleaning or conducting maintenance checks.		SWITCH OFF! Remove plug from outlet immediately if the cord is damaged or cut.
 STOP	The rotating part will continuously run for several seconds after you turn off the machine.		Double Insulation.

Know Your Electric Pole Chain Saw

Read the owner's manual and safety instructions carefully before operating the pole chain saw. Compare the illustration below to the pole chain saw in order to familiarize yourself with the location of the various controls and adjustments. Save this manual for future reference.



- | | |
|---------------------------|--|
| 1. 10 in. cutting chain | 10. Pivot handle |
| 2. 10 in. guide bar | 11. Appliance cord |
| 3. Sprocket cover | 12. Sprocket cover nut |
| 4. Oil tank cap | 13. Safety lock button |
| 5. Cam-lock nut | 14. Telescoping cam lock |
| 6. Pole | 15. Oil level indicator window |
| 7. Front handle foam grip | 16. Hex key wrench + blade screwdriver |
| 8. Pivot button | 17. Bar sheath |
| 9. On/Off trigger | |

Technical Data

Rated Voltage	120 V ~ 60 Hz	Overhead Reach (Max.)	15 ft (4.6 m)
Power	7 A	Multi-angle Handle	-30°, 0°, 30°
Bar/Chain Length	10 in. (25.4 cm)	Max. Cutting Thickness	9.5 in. (24 cm) <i>Recommended: 8.5 in. (22 cm)</i>
Telescopic Shaft	5.6 ft to 8.7 ft (1.7 m to 2.7 m)	Oil Tank Capacity	2.0 fl oz (60 ml)
		Weight	7.7 lbs (3.5 kg)

Unpacking

Carton Contents

- Electric pole chain saw
- 10 in. (25.4 cm) cutting chain
- 10 in. (25.4 cm) guide bar
- Dual-tipped hex key wrench + blade screwdriver (supplied)
- Cutting bar sheath
- Manuals with registration card

1. Carefully remove the pole chain saw and check to see that all of the above items are supplied.
2. Inspect the product carefully to make sure no breakage or damage occurred during shipping. If you find damaged or missing parts, DO NOT return the unit to the store. Please call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

NOTE: Do not discard the shipping carton and packaging material until you are ready to use your new electric pole chain saw. The packaging is made of recyclable materials. Properly dispose of these materials in accordance with local regulations.

IMPORTANT! The equipment and packaging material are not toys. Do not let children play with plastic bags, foils, or small parts. These items can be swallowed and pose a suffocation risk!

Assembly

⚠ WARNING! Always wear heavy-duty gloves when handling the bar and chain. Mount the bar and chain very carefully so as not to impair the safety and efficiency of the machine. If in doubt, contact an authorized Snow Joe® + Sun Joe® dealer or call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

⚠ WARNING! Unpacking and assembly should be completed on a flat and stable surface, with adequate space for moving the machine and its packaging.

⚠ DANGER! Never start the motor before installing the guide bar, chain, and sprocket cover. Without all these parts in place, the clutch can fly off or explode, exposing the user to potentially serious injuries.

⚠ WARNING! To avoid serious personal injury, read and understand all safety instructions provided.

⚠ WARNING! Before performing any maintenance, make sure the tool is unplugged from the power supply. Failure to heed this warning could result in serious personal injury.

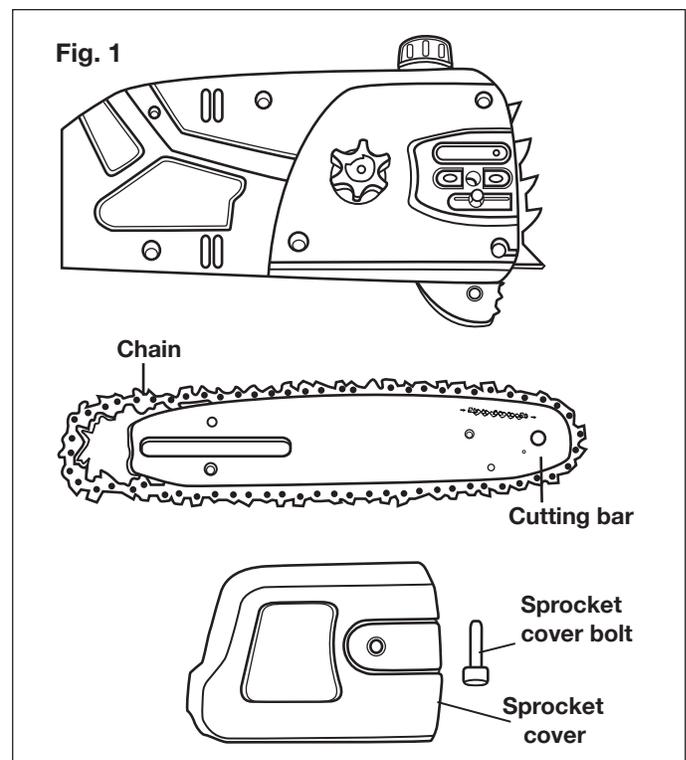
Installing + Replacing the Guide Bar + Chain

Tools and supplies required:

- Dual-tipped hex key wrench + blade screwdriver (supplied)
- Heavy-duty work gloves

NOTE: When replacing the guide bar and chain, use only identical replacement parts. Make sure the pole chain saw is disconnected from the power supply before proceeding with installation.

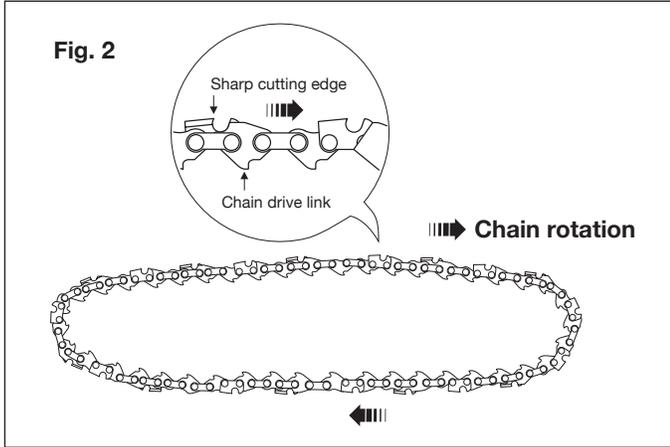
1. Using the hex key wrench, unscrew the sprocket cover bolt and remove the sprocket cover (Fig. 1).
2. Remove the cutting bar and chain from the mounting surface (Fig. 1).



3. Remove the old chain from the bar.

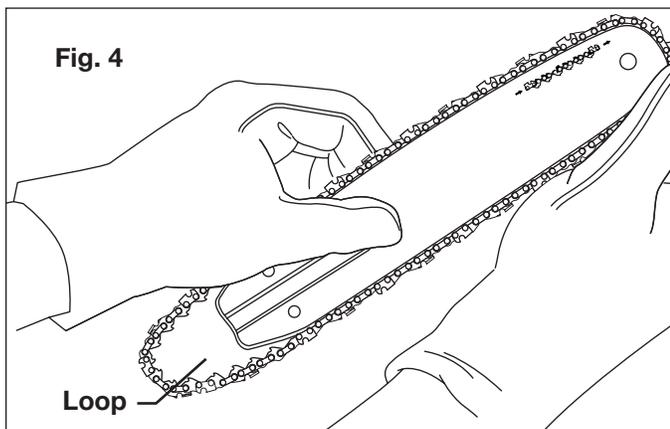
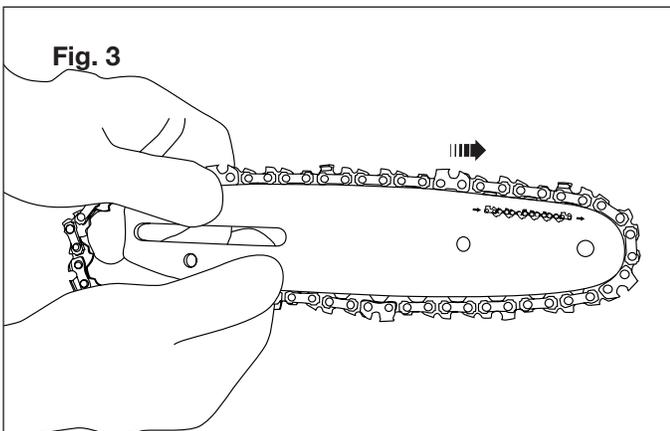
NOTE: When you first purchase your pole chain saw, the chain and bar will come separately with the saw. Refer only to the instructions for fitting the chain and bar (start with step 4). Should you need to replace the chain in the future, follow all the steps in this section.

4. Lay out the new saw chain in a loop and straighten any kinks. **THE SHARP SIDE OF THE TEETH MUST FACE AWAY FROM YOU IN THE DIRECTION OF THE CHAIN ROTATION INDICATED ON THE GUIDE BAR** →  →. If the teeth face backwards, turn the loop over (Fig. 2).

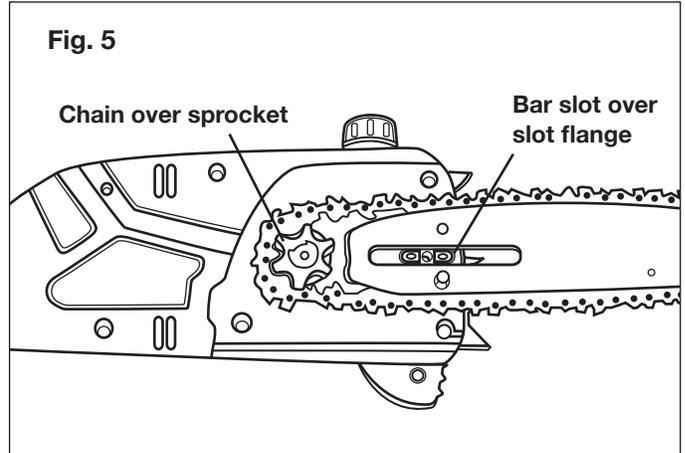


5. Starting at the tip, mount the chain drive links into the bar groove, leaving a loop at the back of the bar. The chain will loosely fit until it is placed on the sprocket (Figs. 3 – 4).

NOTE: Make certain of the direction of the chain →  →. If the chain is mounted backwards, the saw will vibrate abnormally and will not cut.

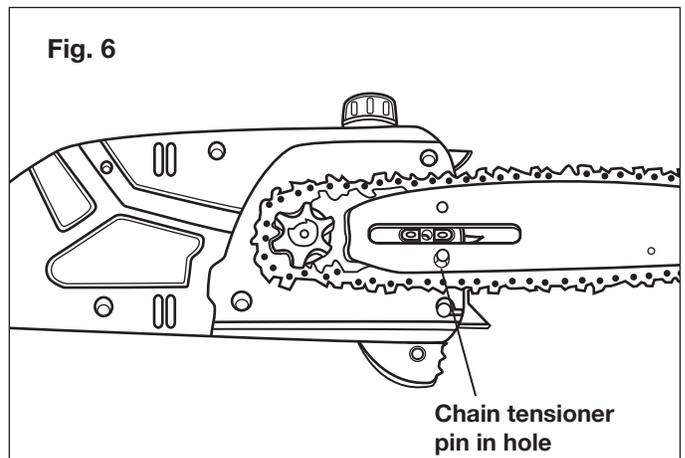


6. Position the chain so there is a loop at the back of the bar. Hold the chain in position on the bar and place the loop around the sprocket (Fig. 5).

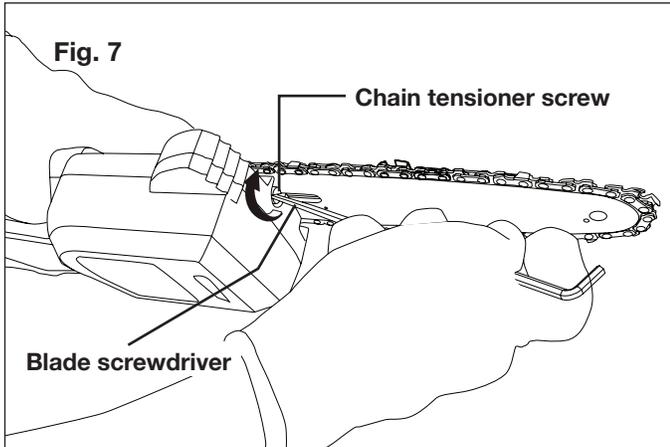


7. Fit the bar flush against the mounting surface so that the bar slot mounts onto the slot flange in the head and hold firmly in place (Fig. 5).

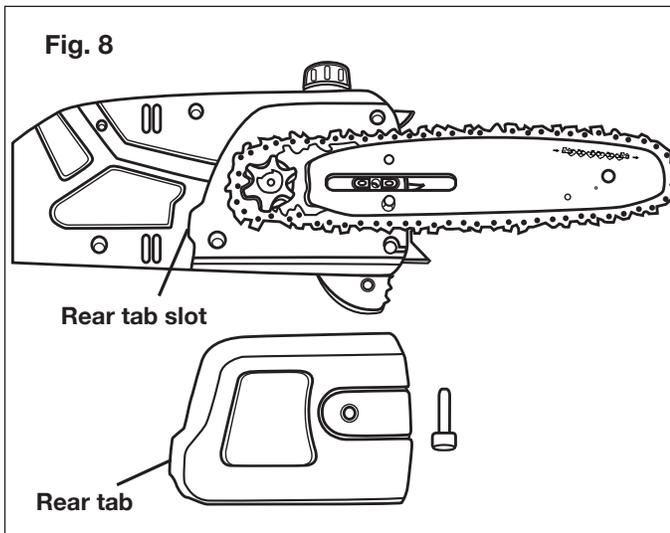
NOTE: When placing the bar on the flange, ensure that the tensioner pin is in the chain tensioner pin hole in the bar. Adjust the chain tension as needed by adjusting the chain tensioner screw with the blade screwdriver so it lines up with the pin hole in the bar (Fig. 6).



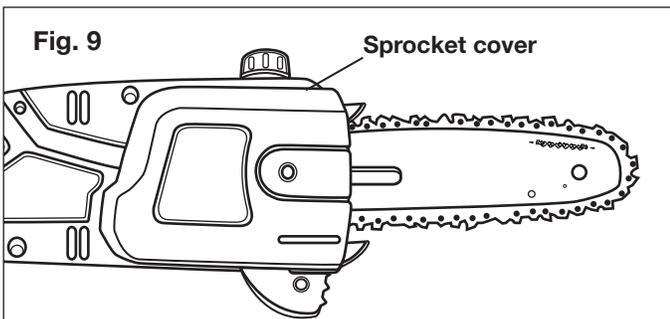
- Tighten the chain tensioner screw only enough to hold the bar and chain in place (Fig. 7), ensuring the chain is still in place over the sprocket.



- Install the sprocket cover by first inserting the rear tab into the rear tab slot then positioning the cover onto the saw head (Fig. 8).



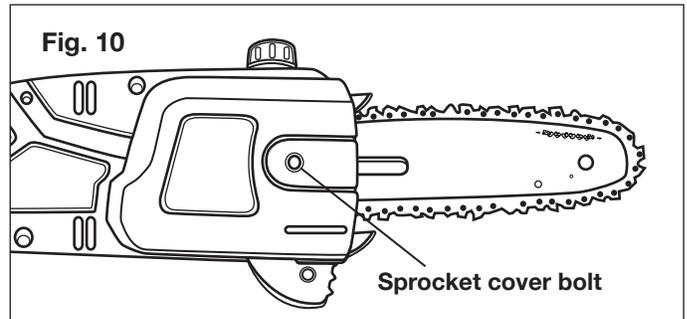
- Install the sprocket cover bolt and tighten by hand, leaving the bar slightly free to move for further tension adjustment (Fig. 9).



- Remove all slack from the chain by turning the chain tensioner screw (Fig. 7) clockwise until the chain seats snugly against the bar with the drive links in the bar groove.

NOTE: A cold chain is correctly tensioned when there is no sag on the underside of the guide bar; the chain is snug, but can be rotated by hand without binding. For more information on chain tensioning, see the maintenance section beginning on pg. 13.

- Tighten the sprocket cover bolt using the hex key wrench (Fig. 10).



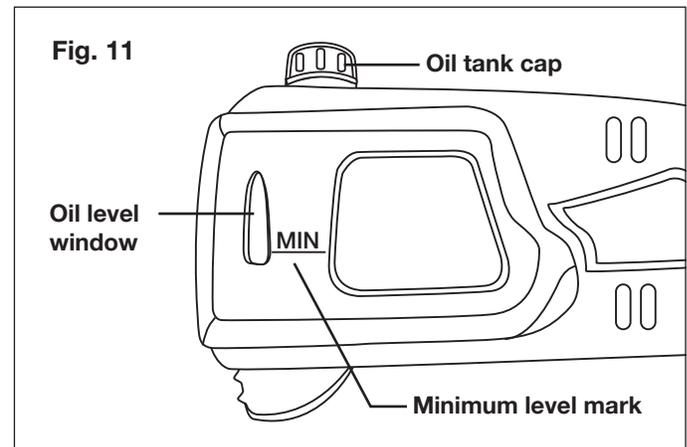
Operation

Starting + Stopping

⚠ CAUTION!

- Before starting the saw, remove the oil tank cap and add bar and chain oil to the top of the oil level window (Fig. 11). One minute of use will consume approximately 0.15 fl oz (4 ml) of oil. Refill when the oil level drops to 1/4 of a tank.

NOTE: Your electric pole chain saw is equipped with an automatic oil pump for bar and chain oiling. You must add bar and chain oil or your pole chain saw will not function.



- Starting, stopping, and restarting an electric motor repeatedly within a few seconds can generate a great deal of heat and damage the motor. To protect the life of your electric pole chain saw, always wait at least five seconds after stopping before restarting the saw.

⚠ WARNING! Be certain that the chain is not in contact with any object when you start the motor.

⚠️ WARNING! Always keep your hands on the handles, away from the chain. Do not overreach.

A good, firm grip on the tool using both hands will help you maintain control. When using the pole chain saw, place one hand on the front handle foam grip and the other hand on the rear handle with your thumbs and fingers encircling the pole and handle. A firm grip combined with proper positioning of the handle against your body will help you maintain control of the saw. Do not let go of the pole chain saw while it is in operation.

⚠️ WARNING! Do not operate the pole chain saw in a tree, on a ladder, or on a scaffold. Using the tool under such circumstances is extremely dangerous.

⚠️ CAUTION! The chain will continue to run for several seconds after turning off the tool.

Do not use the pole chain saw under wet conditions. Use extreme caution when cutting small brush, saplings, or limbs under tension because slender and tense material may catch the saw and be whipped toward you, pull you off balance, or spring back.

Do not use the pole chain saw to cut vines and/or small underbrush.

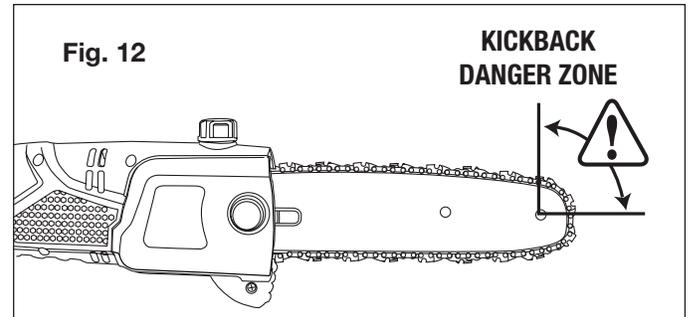
⚠️ WARNING! Do not let familiarity with this type of tool prevent you from taking all necessary precautions. Remember that a careless fraction of a second is sufficient to inflict serious injury.

⚠️ WARNING! Do not operate near electrical wires.

⚠️ WARNING! Failure to lubricate the chain will cause damage to the bar and chain. Use only a good quality bar and chain oil designed specifically for use with chain saws. One minute of use will consume approximately 0.15 fl oz (4 ml) of oil.

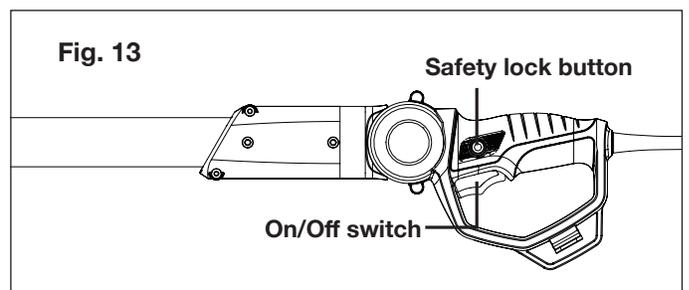
NOTE: It is normal for oil to seep from the saw when not in use. To prevent seepage, empty the oil tank after each use. When storing the unit for a long period of time (3 months or longer), be sure the chain is lightly lubricated; this will prevent rust on the chain and bar sprocket.

⚠️ WARNING! Be aware of the cord while operating the saw. Keep the cord away from the chain. Be careful not to trip over the extension cord.



⚠️ WARNING! Kickback may occur when the moving chain contacts an object at the upper portion of the tip of the guide bar or when the wood closes in and pinches the chain saw in the cut (Fig. 12). Contact at the upper portion of the tip of the guide bar can cause the chain to dig into the object and stop the chain for an instant. The result is a lightning-fast reverse reaction, which kicks the guide bar up and back toward the operator. If the chain saw is pinched along the top of the guide bar, the guide bar can be driven rapidly back toward the operator. Either of these reactions can cause loss of saw control, which can throw the operator off balance and result in serious injury. Do not rely exclusively upon the safety devices built into the saw. As a chain saw user, you should take several precautions to keep your cutting jobs free from accident or injury.

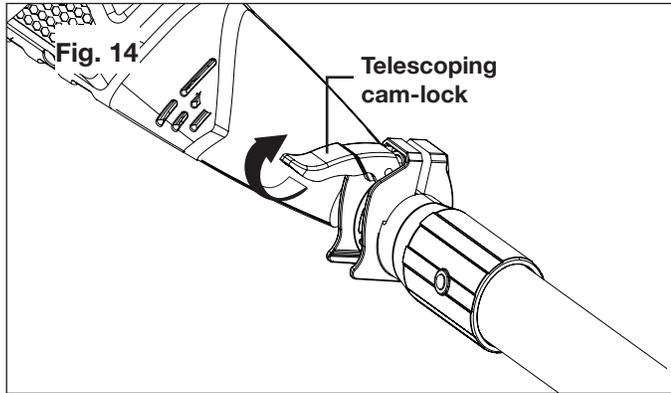
1. Prior to each cutting session, run through the daily checklist (see pg. 15).
2. Connect the electric pole chain saw to a working 120 V outlet using a heavy-duty outdoor extension power cord.
3. To turn the tool ON, push and hold the safety lock button (located on the rear handle) with your thumb and then squeeze the On/Off switch with your fingers. Once the tool is running, you can release the safety lock button (Fig. 13).



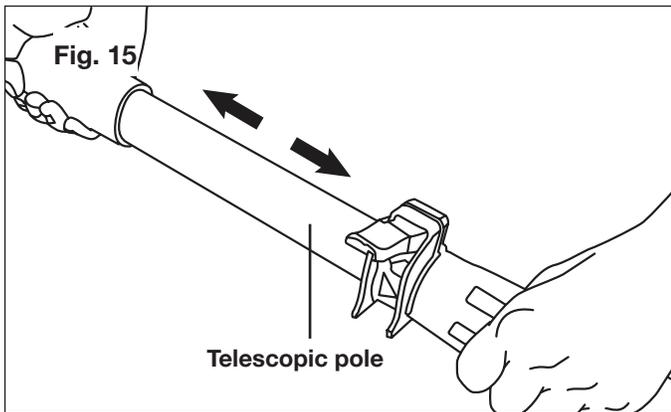
4. To turn the tool OFF, release the On/Off switch (Fig. 13).
- NOTE:** Do not press the On/Off switch until you are ready to make a cut.

Adjusting the Telescoping Pole

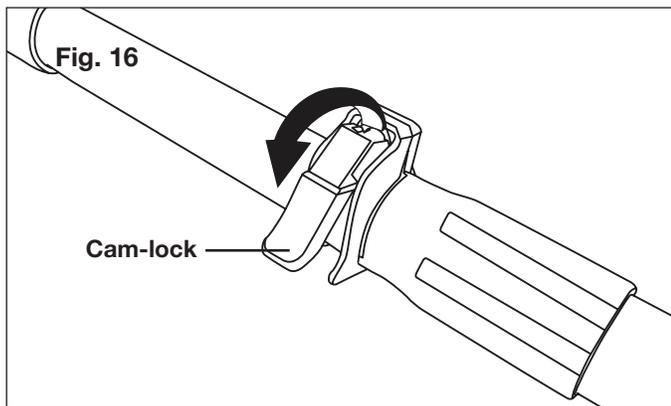
1. Disconnect the saw from the power supply.
2. Unclip the telescoping cam-lock to release the pole (Fig. 14).



3. Extend the pole to the desired length (Fig. 15).
NOTE: Push poles toward each other to shorten the pole or pull them away from each other to lengthen the pole. Only extend the pole to the minimum length required to reach the limb to be cut.



4. Lock the pole in position by closing the cam-lock (Fig. 16), and ensure that the pole is secure. If the pole telescopes when the cam-lock is closed, the nut may need tightening.

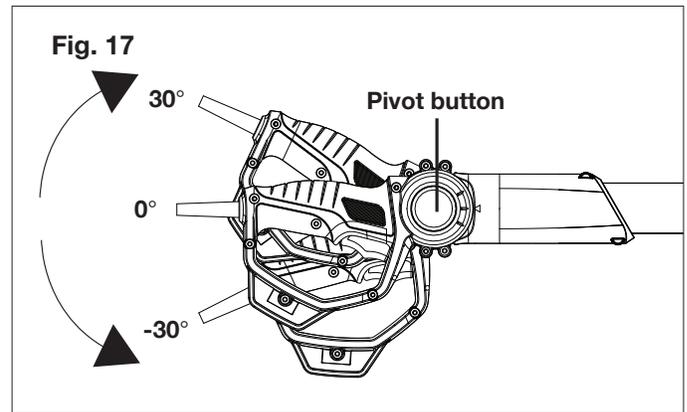


⚠ WARNING! Failure to lock the telescopic pole cam-lock as directed could result in personal injury.

Adjusting the Pivot Handle

This pole chain saw is equipped with a pivot handle that can be adjusted into 3 angles: -30° , 0° , and 30° . To adjust the handle, follow the instruction below.

1. Switch off and unplug the pole chain saw. Make sure the chain has come to a complete stop.
2. While press the pivot button, rotate the pivot handle to the desired position (Fig. 17).



3. Make sure the handle is lock into position, then release the pivot button.

NOTE: Failure to proper secure the pivot handle may result in personal injury and/or property damage.

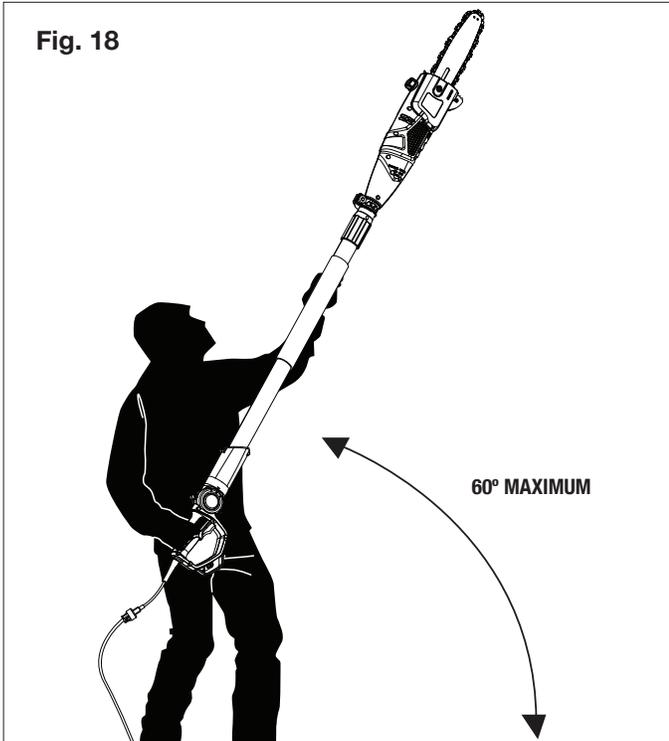
⚠ WARNING! Always ensure the pivot handle is securely locked! Do not attempt to use the pole chain saw with the pivot handle in any other position or unlocked!

Cutting Tips

Proper Cutting Stance

- Balance your weight with both feet on solid ground.
- Your body should always be to the left of the chain line.
- The most typical cutting application is to position the unit at an angle of 60° or less depending on the specific situation (Fig. 18). As the angle of the pole chain saw shaft to the ground increases, the difficulty of making the first cut (from the underside of the limb) increases.

Fig. 18



Basic Cutting Procedure

This unit is designed for trimming small branches and limbs up to 9.5 in. (24 cm) in diameter depending on the wood type. Practice cutting a few small limbs using the following technique to get the “feel” of using the saw before you begin a major sawing operation.

- Take the proper stance in front of the tree with the saw OFF (Fig. 18).
- Squeeze the On/Off switch and let the chain accelerate to full speed before entering the cut.
- Keep the saw running the entire time you are cutting; maintain a steady speed.
- Allow the chain to cut for you; exert only light downward pressure. If you force the cut, damage to the bar, chain, or unit can result.
- **PUSH and PULL** – This reaction force is always opposite to the direction the chain is moving when it is in contact with the wood. Thus, the operator must be ready to control the **PULL** when cutting on the bottom edge of the bar, and **PUSH** when cutting along the top edge.
- Do not put pressure on the saw at the end of the cut.

Pruning

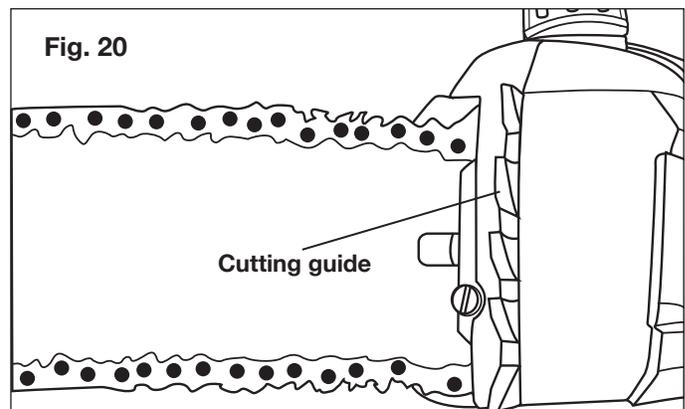
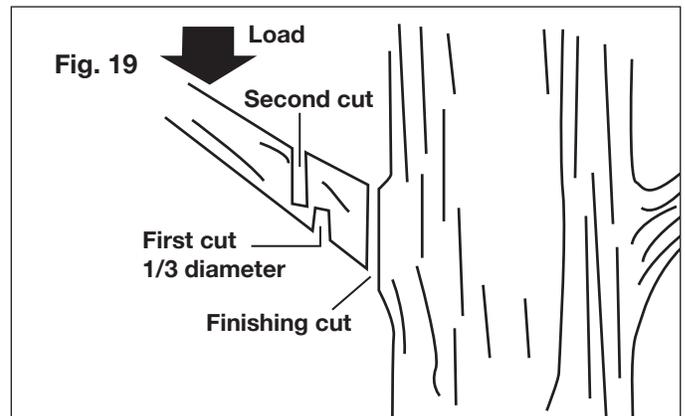
Pruning is the process of trimming limbs from a live tree.

- Remove long branches in several stages.
- Cut lower branches first to allow the top branches more room to fall.
- When pruning trees, it is important not to make the finishing cut next to the main limb or trunk until you have

cut off the farthest lying limb. This will reduce the weight and prevent stripping the bark from the main member.

- Under cut the branch 1/3 through for your first cut. Your second cut should over cut to drop the branch off (Fig. 19). Be prepared to balance the weight of the pole chain saw when the limb falls.

NOTE: For the second and final cuts (from above the limb or branch), hold the front cutting guide against the limb you are cutting (Fig. 20). This will help steady the limb and make it easier to cut. Allow the chain to cut for you; exert only light downward pressure. If you force the cut, damage to the bar, chain, or motor can result.



- Make your finishing cut from the topside of the branch smoothly and neatly against the main member so the bark will grow back to seal the wound.
- Release the trigger ON/OFF switch as soon as the cut is completed. Failure to follow proper cutting procedures will result in the bar and chain binding and becoming pinched or trapped in the limb.

Limbing

Limbing is the process of removing branches from a fallen tree.

- You should cut limbs one at a time. Remove the cut limbs from the work area often to help keep the work area clean and safe.
- Cut branches under tension from the bottom up to avoid binding the pole chain saw.

- Keep the tree between you and the pole chain saw while limbing. Cut from the side of the tree opposite the branch you are cutting.

If the Saw Becomes Pinched or Trapped

1. Wait for the blade to stop, wait five minutes for the saw to cool, unplug the power cord, and wear gloves to protect your hands from the chain teeth.
2. If you can reach the limb from the ground, lift the limb while holding the saw. This should release the “pinch” and free the saw.
3. If the saw is still trapped, call a professional for assistance.

Minimize Kickback

Kickback may occur when the moving chain contacts an object at the upper portion of the tip of the guide bar or when the wood closes in and pinches the pole chain saw in the cut. Contact at the upper portion of the tip of the guide bar can cause the chain to dig into the object and stop the chain for an instant. The result is a lightning-fast reverse reaction, which kicks the guide bar up and back toward the operator. If the pole chain saw is pinched along the top of the guide bar, the guide bar can be driven rapidly back toward the operator. Either of these reactions can cause loss of saw control, which can result in serious injury. Do not rely exclusively upon the safety devices built into the saw. As a pole chain saw user, you should take several steps to keep your cutting jobs free from accident or injury.

Take the following precautions to minimize kickback:

- Before you start the unit, make sure the pole chain saw is not contacting any object.
- Always grip the pole and handle firmly with both hands when the unit is running. Place one hand on the pole and your other hand on the molded handle with your thumbs and fingers encircling the pole and handle. A firm grip combined with proper positioning of the handle against your body will help you maintain control of the saw if kickback occurs.
- Make sure that the area in which you are cutting is free from obstructions.
- Do not let the kickback danger zone area of the guide bar contact a log, branch, fence, or any other obstruction that could be hit while you are operating the pole chain saw (Fig. 12).
- Always cut with the unit running at full speed. Fully squeeze the ON/OFF trigger and maintain a steady cutting speed.
- Wear non-slip gloves for maximum grip and protection.
- Extend the pole only to the length required to reach the limb cut. Do not extend the rear handle above waist height.

Maintenance

Please contact an authorized Snow Joe® + Sun Joe® dealer or call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563) for all maintenance operations not foreseen in this manual. Any operation performed in an unauthorized service center or by unqualified personnel will completely invalidate the warranty.

⚠ WARNING! For your safety and that of others:

- Correct maintenance is essential to maintain the original efficiency and safety of the machine over time.
- Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- Never use the machine with worn or damaged parts. Damaged parts are to be replaced and never repaired.
- Only use original Snow Joe® + Sun Joe® replacement parts. Parts that are not of the same quality can seriously damage the equipment, compromise safety, and invalidate the warranty.

⚠ WARNING! Always unplug the power cord before performing any adjustments, maintenance, or repairs to your pole chain saw.

- Use protective gloves when handling the bar and chain.
- Keep the bar encased in its sheath, except when working directly on the bar or the chain.
- Never dispose of oils or other polluting materials in unauthorized places.

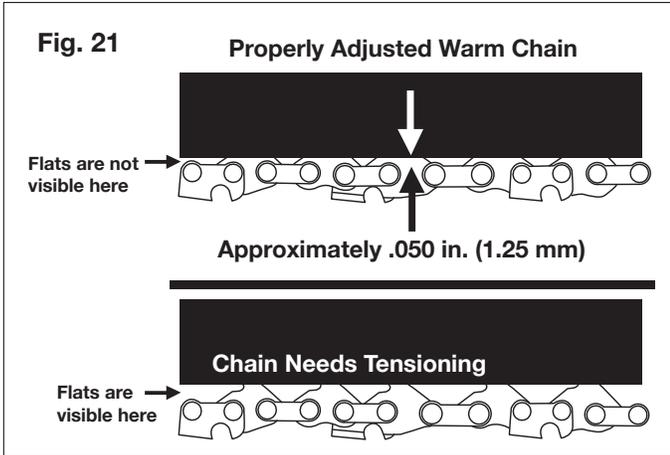
Motor Cooling

To avoid overheating and damage to the motor, always keep the cooling air vents clean and free of sawdust and debris.

Chain Tension

Check the chain tension before using the saw when the chain is cold. The correct tension of a cold chain is when there is no slack on the underside of the guide bar; the chain is snug, but you can rotate it by hand without binding.

During normal saw operation, the temperature of the chain will increase. The drive links of a correctly tensioned warm chain will hang approximately 0.050 in. (1.25 mm) out of the bar groove (Fig. 20). Be aware that a chain tensioned while warm, may be too tight upon cooling. Check the “cold tension” before next use. The chain must be re-tensioned whenever the flats on the drive links hang out of the bar groove (Fig. 21).



NOTE: A new chain tends to stretch. Check the chain tension frequently and re-tension as needed.

Nuts + Screws

Periodically check that all the nuts and screws are tight and secure. Check that the collar that controls the telescoping pole is intact and in proper working order.

Chain Sharpening

⚠ WARNING! To ensure that the chain saw works safely and efficiently, it is essential that the cutting components are well-sharpened. **It is highly recommended to replace the chain once it loses its ability to cut cleanly and safely.** It is possible, however, to sharpen the existing chain if the sharpening is carefully performed. Any work on the chain and bar requires specific experience and special tools. For safety purposes, we recommend you contact an authorized Snow Joe® + Sun Joe® dealer or call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

Sharpening is necessary when:

- The sawdust looks like dust;
- Cutting becomes more difficult;
- The cut is not straight;
- Vibrations increase.

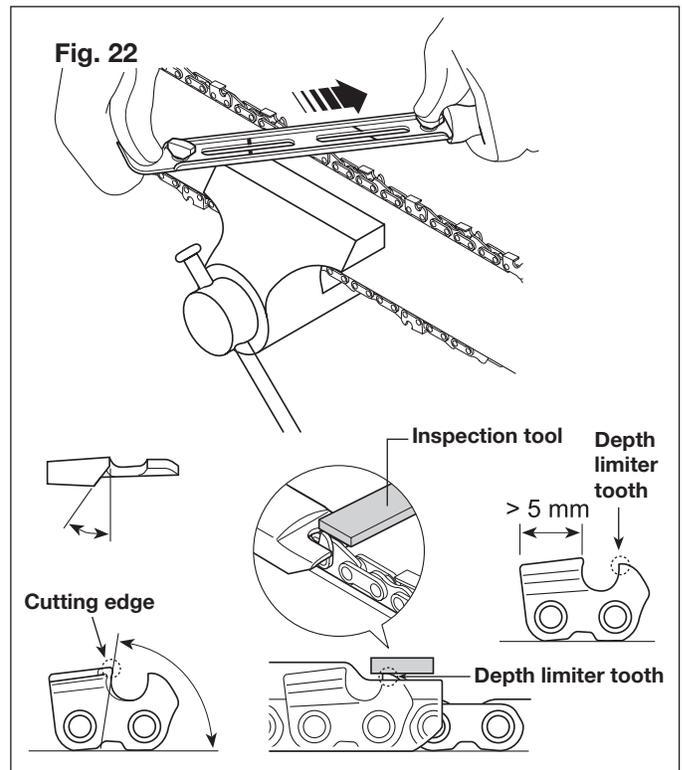
An authorized service center will sharpen the chain using the right tools to ensure minimum removal of material and even sharpness on all the cutting edges.

If you sharpen the chain yourself, use special round-section files with the right diameter depending on the type of chain (see “Chain Maintenance Table” pg. 17). You need a certain amount of skill and experience to avoid damaging the cutting edges.

Sharpen the chain as follows (Fig. 22):

- Secure the bar firmly, with the chain mounted, in a suitable vise.

- Tighten the chain if it is loose.
- Mount the file in the guide and then insert it in the tooth at a constant angle from the cutting edge.
- Sharpen in a forward motion a few times and repeat this on all the cutting edges facing the same way (right or left).
- To move the chain forward, use a screwdriver.
- Turn the bar over in the vise and repeat on all the other cutting edges.
- Check that the depth limiter tooth does not stick out farther than the inspection tool and file any projecting parts with a flat file, rounding off the edges (Fig. 22).
- After sharpening, remove all traces of filing and dust and lubricate the chain in an oil bath. Replace the chain whenever:
 - The length of the cutting edges decreases to 5 mm or less;
 - There is too much play between the links and the rivets.



Guide Bar Maintenance

When the guide bar shows signs of wear, turn it over on the saw to distribute the wear for maximum bar life. Feathering or burring of the bar rails is a normal process of bar wear. You should smooth such faults with a file as soon as they occur.

Replace a bar with any of the following faults:

- Wear inside the bar rails permitting the chain to lay over sideways
- Bent guide bar

- Cracked or broken rails
- Spread rails

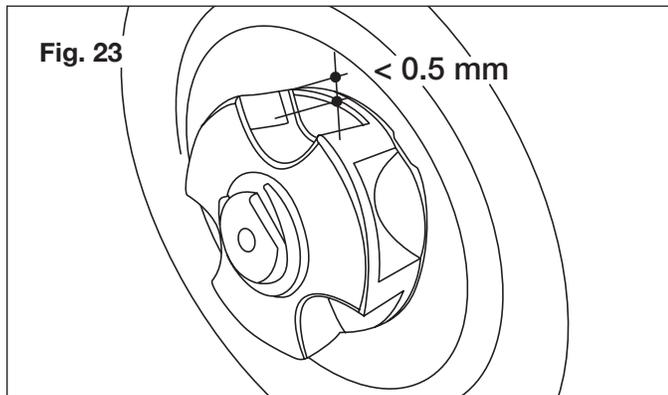
Turn the saw over, check the underside of the guide bar, and make sure that the lubrication holes and chain groove are free from impurities.

You can purchase replacement parts for your Martha Stewart MTS-PS10 electric pole saw online at snowjoe.com or, to order by phone, contact Snow Joe® + Sun Joe® customer service at 1-866-SNOWJOE (1-866-766-9563).

Chain Sprocket

Regularly check the condition of the sprocket and replace it when wear exceeds 0.5 mm (Fig. 23).

Do not mount a new chain with a worn sprocket or vice-versa.



Troubleshooting

Troubleshooting Tips

Most problems are easy to fix. Consult the troubleshooting table for common problems and solutions. If you continue to experience problems or need repairs beyond these minor adjustments, please call 1-866-SNOWJOE (1-866-766-9563) for assistance.

⚠️ WARNING! Always unplug the power cord before performing any adjustments, maintenance, or repairs to your pole chain saw.

Troubleshooting Table

Problems	Corrective Action
The saw motor fails to start	<ul style="list-style-type: none"> • Check that you installed the extension cord properly into the pole saw power cord receptacle and that you plugged the extension cord into a live 120 V outlet. • Make sure that you fully depress and hold the safety lock button before squeezing the ON/OFF trigger switch.
The saw runs, but the chain speed is low	<ul style="list-style-type: none"> • The chain tension is too tight; re-tension.
Bar and chain running hot and smoking	<ul style="list-style-type: none"> • The chain tension is too tight; re-tension. • The chain oil tank is empty; refill. • The lubrication holes are plugged; clean them out.
The saw motor runs, but the chain is not turning	<ul style="list-style-type: none"> • The chain tension is too tight; re-tension. • The guide bar or chain is damaged; inspect and replace the damaged part.

Daily Checklist, Cleaning + Storage

Daily Checklist

To help maintain your electric pole chain saw for optimum performance, we recommend you complete this checklist prior to each work session.

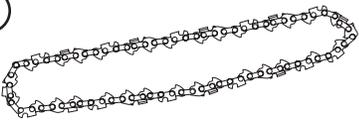
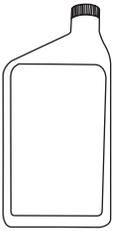
⚠️ WARNING! Do not plug in the power cord until you have completed all of the daily checks.

- Inspect for any visible damage to the chain, guide bar, or motor housing.
- Inspect the oil port and guide bar rails and clean them to remove any debris.
- Check the chain tension.
- Check the chain teeth for sharpness.
- Check the bar and chain oil level; fill with only new chain oil specifically formulated for chain saws.

NOISES: If you notice anything unusual, such as odd vibrations or sounds, shut the saw OFF immediately. Remove the power cord and check the saw for any damage.

Optional Accessories

⚠️ WARNING! ALWAYS use only authorized Snow Joe® + Sun Joe® replacement parts and accessories. NEVER use replacement parts or accessories that are not intended for use with this saw. Contact Snow Joe® + Sun Joe® if you are unsure whether it is safe to use a particular replacement part or accessory with your saw. The use of any other attachment or accessory can be dangerous and could cause injury or mechanical damage.

Accessories	Item	Model
	Sun Joe® 10-inch replacement bar	SWJ-10BAR
	Sun Joe® 10-inch replacement chain	SWJ-10CHAIN
	Hex key wrench + blade screwdriver	SWJ800E-TOOL
	Bar and chain oil	SWJ-OIL sold at snowjoe.com or you can purchase equivalent bar and chain oil sold at your local hardware store

NOTE: Accessories are subject to change without any obligation on the part of Snow Joe® + Sun Joe® to provide notice of such changes. Accessories can be ordered online at snowjoe.com or via phone by contacting the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

Chain Maintenance Table

Drive Links	Chain Pitch		Chain Gauge		File Diameter	
	inches	mm	inches	mm	inches	mm
40	3/8	9.5	0.050	1.3	5/32	4



SNOW JOE® + SUN JOE® CUSTOMER PROMISE

ABOVE ALL ELSE, Snow Joe® + Sun Joe® are dedicated to you, our customer. We strive to make your experience as pleasant as possible. Unfortunately, there are times when a product does not work or breaks under normal operating conditions. We think it's important that you know what you can expect from us. That's why we created the Snow Joe® + Sun Joe® promise.

OUR PROMISE: Snow Joe® + Sun Joe® warrant new products for two years from the date of purchase. If your product does not work, or there's an issue with a specific part, we will fix this by either sending you a free replacement part or by sending you a new or comparable product at no charge. How cool is that! Before you know it, you'll be back in action cutting, sawing, mowing, washing and...?

PRODUCT REGISTRATION:

Snow Joe®, LLC ("Snow Joe® + Sun Joe®") strongly encourages you to register your purchase. You can register online at snowjoe.com/ProductRegistration. Failure to register your product purchase will not diminish your warranty rights. However, registering your purchase will allow Snow Joe® + Sun Joe® to better serve you with any of your customer service needs.

WHO CAN SEEK WARRANTY COVERAGE?

This Warranty is extended by Snow Joe® + Sun Joe® to the owner of this Machine (a "Machine" consists of a product powered by a motor) for residential and personal household use only. This Warranty does not apply to products used for commercial, rental or re-sale purposes. Should ownership of this machine change during the 2-year period, please update the Machine's owner information at snowjoe.com/ProductRegistration.

WHAT IS COVERED?

Snow Joe® + Sun Joe® warrants to the owner that if this Machine fails within 2 years from the date of purchase due to a defect in material or workmanship or as a result of normal wear and tear from ordinary household use, Snow Joe® + Sun Joe® will send a replacement part or product, as needed, free of charge and with free shipping to the original purchaser.

If, in Snow Joe® + Sun Joe®'s sole discretion, the failed Machine cannot be repaired with a part, Snow Joe® + Sun Joe® will elect to either (A) send a new Machine at no charge and with free shipping or (B) refund the full purchase price to the owner.

WHAT IS NOT COVERED?

This Warranty does not apply to the Machines that have been used commercially or in non-household applications. This Warranty does not cover cosmetic changes that do not affect performance. This Warranty is only valid if the Machine is used and maintained in accordance with the instructions, warnings and safeguards contained in the owner's manual. Snow Joe® + Sun Joe® will not be responsible for the cost of any unauthorized warranty repairs. This warranty does not cover any cost or expense incurred by the purchaser in providing substitute equipment or service during reasonable periods of malfunction or non-use of this product while waiting for a replacement part or unit under this warranty.

Wearing parts like belts, augers, chains and tines are not covered under this warranty, and can be purchased at snowjoe.com or by calling **1-866-SNOWJOE (1-866-766-9563)**. Batteries are covered in full for 90-days from the date of purchase.

Repair, replacement or refund of the purchase price are the exclusive remedies of purchaser and the sole liability of Snow Joe® + Sun Joe® under this warranty. No employee or representative of Snow Joe® + Sun Joe® is authorized to make any additional warranty or any modification to this warranty which may be binding upon Snow Joe® + Sun Joe®. Accordingly, purchaser should not rely upon any additional statements made by any employee or representative of Snow Joe® + Sun Joe®. In no event, whether based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise, shall Snow Joe® + Sun Joe® be liable for any special, indirect, incidental, or consequential damages, including, without limitation, loss of profit or revenue.

Some states do not allow limits on warranties. In such states, the above limitations may not apply to you.

Outside the USA, other warranties may apply.



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