

# Poulan®

ENGLISH



Please do not return unit to retailer.  
Por favor, no devuelva el aparato al lugar de compra.  
Veuillez ne pas retourner l'outil au détaillant.

1-800-554-6723

[www.poulan.com](http://www.poulan.com)

## Instruction Manual Manual de Instrucciones Manuel d'Instructions

PLN1510

ESPAÑOL

245157



C US



### WARNING:

Read and follow all Safety Rules and Operating Instructions before using this product. Failure to do so can result in serious injury.

### ADVERTENCIA:

Lea el manual de instrucciones y siga todas las advertencias e instrucciones de seguridad. El no hacerlo puede resultar en lesiones graves.

### AVERTISSEMENT:

Lire le manuel d'instructions et bien respecter tous les avertissements et toutes les instructions de sécurité. Tout défaut de le faire pourrait entraîner des blessures graves.

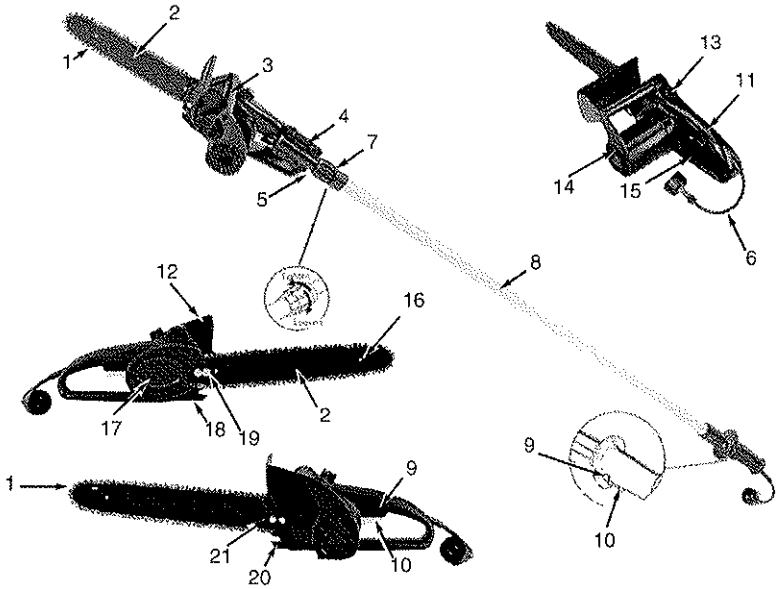
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FRANÇAIS

6096-210809

## 1 - GENERAL INFORMATION



### 1-1. GENERAL IDENTIFICATION

- |                                |                              |
|--------------------------------|------------------------------|
| 1. Saw Chain                   | 12. Hand Guard               |
| 2. Guide Bar                   | 13. Oil Tank Cap             |
| 3. Front Handle                | 14. Electric Motor           |
| 4. Handle Bracket              | 15. Rear Hand Guard          |
| 5. Inner Pole                  | 16. Guide Bar Nose           |
| 6. Power Cord                  | 17. Sprocket Cover           |
| 7. Coupling Nut                | 18. Chain Catcher            |
| 8. Outer Pole                  | 19. Bar Retaining Nuts       |
| 9. Lock-off Switch             | 20. Spikes                   |
| 10. Trigger Start/ Stop Switch | 21. Tension Adjustment Screw |
| 11. Rear Handle                |                              |

### 1-2. SAFETY FEATURES

Numbers preceding the descriptions correspond with the numbers on preceding page to help you locate the safety feature.

- 1 LOW-KICKBACK CHAIN** helps significantly reduce kickback, or the intensity of kickback, due to specially designed depth gauges and Guard links.
- 2 GUIDE BAR** Reduced kickback guide bar reduces the intensity of kickback.
- 9 LOCK / OFF BUTTON** prevents accidental acceleration of the saw motor. The trigger cannot be squeezed unless lock/off button is depressed.
- 10 TRIGGER START / STOP SWITCH** stops saw motor when released.
- 11 HAND GUARD** protects the operator's left hand in the event it slips off the front handle while saw is running.
- 14 ELECTRIC MOTOR** is double insulated for added safety.
- 18 CHAIN CATCHER** reduces the danger of injury in the event saw chain breaks or derails during operation. The catcher is designed to intercept a whipping chain.

**SPECIFICATION**

Input .....	120V~, 60Hz, 8Amp
Peak Horsepower .....	1.5HP
Bar Length .....	10" (25cm)
Chain Oil Capacity .....	1.7 ounces (50ml)
Net Weight .....	7.5 lbs. (3.4Kg)

**2 - SAFETY PRECAUTIONS**

**SAFETY PRECAUTIONS FOR CHAIN SAW USERS**

**WARNING**

**2-1. DANGER! BEWARE OF KICKBACK!**

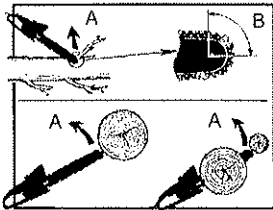
Kickback can lead to dangerous loss of control of the chain saw and result in serious or fatal injury to the saw operator or to anyone standing close by. Always be alert because rotational kickback and pinch kickback are major chain saw operational dangers and the leading cause of most accidents.

**BEWARE OF: ROTATIONAL KICKBACK**

(Figure 2-1A)

A = Kickback path

B = Kickback reaction zone



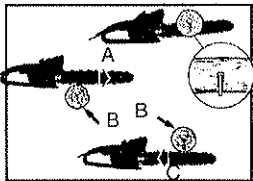
2-1A

**THE PUSH (PINCH-KICKBACK) AND PULL REACTIONS(Figure 2-1B)**

A = Pull

B = Solid objects

C = Push



2-1B

KICKBACK may occur when the NOSE or TIP of the guide bar touches an object, or when wood closes in and pinches the saw chain in the cut. Tip contact in some cases may cause a lightning-fast reverse reaction, kicking the guide bar up and back toward the operator.

PINCHING the saw chain along the BOTTOM of the guide bar may PULL the saw forward, away from the operator. PINCHING the saw chain along the TOP of the guide bar may PUSH the guide bar rapidly back toward the operator. Any of these reactions may cause you to lose control of the saw, which could result in serious personal injury.

**2-2. IMPORTANT SAFETY INSTRUCTIONS**

**WARNING**

When using an electric chain saw, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

**READ ALL INSTRUCTIONS**

1. Double insulated - No Serviceable Parts Inside.
2. To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.
3. With a basic understanding of kickback, you can reduce or eliminate the element of surprise. Sudden surprise contributes to accidents.
4. **KEEP THE WORK AREA CLEAN:** Cluttered areas invite injuries. Do not start cutting until you have a clear work area, secure footing, and a planned retreat path from the falling tree.

5. **GUARD AGAINST ELECTRIC SHOCK:** Prevent body contact with grounded surfaces (i.e., metal pipes, wire fences).
6. **CONSIDER THE WORK AREA ENVIRONMENT:** Use extreme caution when cutting small sized brush and sapling, as slender material may catch the saw chain and be whipped toward you or pull you off balance. Do not operate a chain saw in a tree unless you are specifically trained to do so. 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. Do not expose the chain saw to rain. Do not use the chain saw in damp or wet locations. Do not use the chain saw in the presence of flammable liquids or gases.
7. **KEEP CHILDREN AND BYSTANDERS AWAY:** Do not let visitors contact the chain saw or extension cord. All visitors should be kept away from the work area.
8. **STORING YOUR CHAIN SAW:** When not in use, chain saws should be stored out of the reach of children, in a dry, high or locked-up place. When storing saw, use a scabbard or carrying case.
9. **DO NOT FORCE THE CHAIN SAW:** The chain saw will do a better and safer job when used at the rate for which it was intended.
10. **USE THE RIGHT TOOL:** Cut wood only. Do not use the chain saw for purposes for which it was not intended. For example, do not use the chain saw for cutting plastic, masonry, or non-building materials.
11. **DRESS PROPERLY:** Do not wear loose clothing or jewelry, as they can get caught in moving parts. Nonskid footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
12. **USE SAFETY GEAR:** Use safety glasses, safety footwear, snug fitting clothing safety chaps, protective gloves, and hearing protection and head gear.
13. **STAY ALERT:** Watch what you are doing. Use common sense. Do not operate the chain saw when you are tired. Keep all parts of your body away from the saw chain when the motor is operating. Before you start the saw, make sure the saw chain is not contacting anything.
14. **MAINTAIN YOUR CHAIN SAW:** inspect the chain saw cords periodically and, if damaged, have them repaired by an authorized service facility. Keep the cord clear of the chain and operator at all times.

15. **DISCONNECT THE CHAIN SAW:** Disconnect the chain saw when not in use, before servicing, and when changing accessories and attachments such as saw chain and guard.
16. **OUTDOOR EXTENSION CORDS:** Use only extension cords that are intended for outdoor use and which are so marked.
17. **CHECK DAMAGED PARTS:** Before further use of the chain saw, 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 conditions 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 otherwise indicated in this instruction manual.
18. **CARRYING THE SAW:** Carry the saw by the front handle with the saw stopped. Keep your finger off the switch, and make sure that the guide bar and saw chain are to the rear.
19. **GUARD AGAINST 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. Tip contact in some cases may cause a lightning-fast reverse action, kicking the guide bar rapidly back towards the operator. Pinching the saw chain along the top of the guide bar may push the guide bar rapidly back towards the operator. Either of these reactions may cause you to lose control of the saw, which could result in serious injury to the user. The following precautions should be followed to minimize kickback.

- A. **GRIP SAW FIRMLY:** Hold the chain saw firmly with both hands when the motor is running. Keep a good firm grip on the saw with both hands, the right hand on the rear handle, and the left hand on the front handle.
  - B. Do not over reach.
  - C. Keep proper footing and balance at all times.
  - D. Do not let the nose of the guide bar contact a log, branch, ground or other obstruction.
  - E. Do not cut above shoulder height.
  - F. Use devices, such as low-kickback chain, guide bar nose guards, chain brakes and special guide bars, which reduce the risks associated with kickback.
  - G. Use only replacement bars and chains specified by the manufacturer or the equivalent.
  - 20. **POWER SUPPLY:** Connect the chain saw to correct voltage; be sure that the voltage supplied is the same as that specified on the nameplate of the tool.
  - 21. **DO NOT** operate a chain saw that is damaged, improperly adjusted, or not completely and securely assembled. Be sure that the saw chain stops moving when the trigger is released.
  - 22. **DO NOT** attempt operations beyond your capacity or experience.
  - 23. **DO NOT** operate a chain saw with one hand! Serious injury to the operator, helpers, or bystanders may result from one-handed operation. A chain saw is intended for two-handed use.
  - 24. **TO REDUCE** potential for electric shock, do not operate the saw on wet or slippery surfaces, or during snow storms, rain storms, and other adverse weather conditions.
  - 25. **DO NOT** allow dirt, debris or sawdust to build up on the motor or outside air vents.
  - 26. Follow the manufacturer's sharpening and maintenance instructions for the saw chain.
  - 27. Cut at high motor speeds.
  - 28. Operation of a chain saw should be restricted to mature, properly instructed individuals.
  - 29. Your chain saw is intended for occasional homeowner use. It is not made for heavy continuous use.
  - 30. **DO NOT FORCE** a small saw to do a job requiring a heavier duty unit.
  - 31. **EXAMINE THE ELECTRICAL SWITCHES.** Do not use the chain saw if the switches do not properly turn on and off. Do not attempt to make any repairs to the electric switches. Take your saw to a Poulan Authorized Service Center.
  - 32. **MAINTAIN EXTENSION CORDS.** Inspect the extension cords periodically and replace if damaged. Only use power cords that are suitably marked for outdoor use.
  - 33. **DO NOT OPERATE YOUR CHAIN SAW** near or around flammable liquids or gases, whether in or out of doors. An explosion and/or fire may result.
  - 34. This electric powered saw is intended for infrequent use by home owners, cottagers and campers, and for such general applications such as clearing, pruning, cutting firewood, etc. It is not intended for prolonged use. If the intended use involves prolonged periods of operation, this may cause circulatory problems in the user's hands due to vibration. It may be appropriate to use a saw having an anti-vibration feature.
  - 35. **NEVER REMOVE,** modify or make inoperative any safety device furnished with your unit.
  - 36. Safety clothing required by your safety organizations, government regulations, or your employer should be used; otherwise, snug fitting clothing, safety footwear safety chap, and hand and ear protection should be worn.
  - 37. When felling, keep at least two(2) tree lengths between yourself and your fellow workers.
  - 38. All chain saw service, other than the items listed in the user manual safety and maintenance instructions, should be performed by competent chain saw personnel. Do not attempt to repair it yourself; there are no user serviceable parts inside.
- NOTE:** Low-kickback saw chain has met the kickback performance requirements of ANSI B175.1-1991 and is in accordance with CSA Z62.3. Do not use other replacement chain unless it has met these requirements for your specific model.
- 39. **DO NOT USE ANY OTHER CUTTING ATTACHMENT OR ACCESSORIES.** Use only Poulan replacement parts and accessories, which are designed specifically to enhance the performance and maximize the safe operation of our products. Failure to do so may cause poor performance and possible injury.

Use only the chain and bar supplied with this product. Do not use any other cutting attachment. Use of such attachments will void your factory warranty and could result in serious bodily injury.

## 2-3. POLE SAW TRIMMING PRECAUTIONS

1. Be aware of extension cord location while operating pole saw. Be careful not to trip over cord. Keep cord away from chain and operator at all times.
2. Keep bystanders 50 feet (15 meters) away when operating saw.
3. Do not use the pole saw to cut down trees. Use the chain saw without pole attachment.
4. Grip pole saw securely - one hand on the pole, the other on the handle.
5. Keep finger off trigger until ready to make cut.
6. Before starting pole saw, make sure chain is not touching anything.
7. Keep all parts of body away from chain when saw is running.
8. Do not force pole saw while cutting. Apply light pressure. It will do the job better and safer at the rate for which it was intended.
9. When cutting limbs or branches that are under tension, use extreme caution. Be alert for wood springing back. When wood tension is released, limb could spring back and strike operator causing severe injury or death.
10. When carrying pole saw from one place to another:
  - unplug unit
  - return telescoping pole to shortest position
  - hold pole at balance point (close to saw end)
  - keep guide bar and chain to rear
11. Do not cut small brush and saplings with the pole saw. Use the chain saw only, with extreme care. Slender matter may catch in the chain and be whipped toward you. This could also pull you off balance.
12. Never stand directly under the limb you are trimming. Always position yourself out of the path of falling debris. (See Fig.2-3A)
13. Never stand on a ladder or other type of unstable support while using the pole saw.

14. Always use both hands to operate pole saw. Keep a firm, steady pressure on the pole saw while cutting but do not try to force the saw through the wood.
15. Do not use the pole saw to cut limbs larger in diameter than 4" (10 cm) in diameter. (See Fig.2-3B)
16. Keep other persons away from cutting end of pole saw and at a safe distance from work area.

## SAVE THESE INSTRUCTIONS



2-3A



2-3B

## 2-4. IDENTIFICATION OF SAFETY SYMBOLS



**WARNING!** This chain saw can be dangerous, careless or improper use can cause serious or even fatal injury.



Read and understand the instruction manual before using the chain saw.



Double insulated - When servicing use only identical replacement parts. Replace damaged cord immediately.



To reduce shock hazard, do not expose unit to water or operate on wet ground.





Contact of the guide bar tip with any object should be avoided. Tip contact may cause the guide bar to move suddenly upward and backward, which may cause serious injury.



Always use both hands when operating the chain saw.



There may be other replacement components for achieving Kickback protection.



Hearing protection should be worn.



Never stand on a ladder or other type of unstable support while using the pole saw.



Keep other persons away from cutting end of pole saw and at a safe distance from work area.



Do not use pole saw near cable, electric power or telephone lines. Maintain a minimum clearance of 10 feet from all power lines.



Always use both hands to operate pole saw. Keep a firm, steady pressure on the pole saw while cutting but do not try to force the saw through the wood.

### 3 - ASSEMBLY INSTRUCTIONS

#### 3-1. INTRODUCTION

This unit is designed for occasional homeowner use and should not be used for commercial purposes or subjected to heavy continuous use.

#### 3-2. UNPACKING

1. Remove all items from carton.
2. Check all items for any shipping damage. If you find any damage or if any parts are missing, promptly inform dealer where you bought the pole saw.

#### 3-3. ASSEMBLY

##### REQUIREMENTS

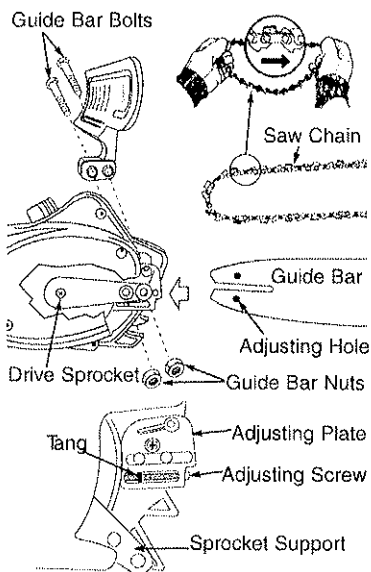
Your new pole saw will require adjustment of chain and filling the oil tank with lubricating oil before the unit is ready for operation. Do not start the saw motor until the unit is properly prepared. Read all instructions carefully. Do not install any other size bar and chain than what is recommended for your model.

#### 3-4. GUIDE BAR / SAW CHAIN REPLACEMENT INSTALLATION

#### WARNING

Whenever handling the saw chain, wear work gloves for protection against sharp cutting edges.

1. Remove bar nuts, push bar bolts in and slide sprocket support down. (See Fig. 3-4A)
2. Remove old guide bar and chain.
3. Using a straight screwdriver, turn the chain adjustment screw counterclockwise as far as it will go, or until tang is to the end of its travel.
4. Loop saw chain over drive sprocket with the cutting edges of the chain pointing in the direction of rotation.
5. Place the slotted end of guide bar over the bar bolt so the tang fits into the lower hole in the guide bar.
6. Make sure the chain follows the slot in the guide bar. Slide the sprocket support up and push the bar bolts through the sprocket support.
7. Install the bar retaining nuts hand tight, (Proceed to saw chain tension Adjustment).



3-4A

### 3-5. SAW CHAIN TENSION ADJUSTMENT

Proper tension of the saw chain is extremely important and must be checked before starting, as well as during, any cutting operation. Taking the time to make needed adjustments to the saw chain will result in improved cutting performance and prolonged chain life. **NOTE:** A new chain and bar will need readjustment after as few as 5 cuts. This is normal during the break-in period, and the interval between future adjustments will lengthen quickly (Figure 3-5A).

#### CAUTION

If a chain is **TOO LOOSE** or **TOO TIGHT**, the bar chain and saw bearings will wear more rapidly. Study Figure 3-5A for information concerning correct cold tension (A), correct warm tension (B), and as a guide for when saw chain needs adjustment (C).

#### TO ADJUST SAW CHAIN TENSION:

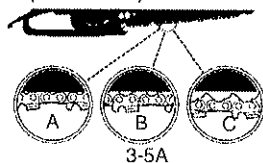
1. Loosen the bar retaining nuts (D) so they are hand tight. (See Fig.3-5B)
2. Holding the nose of the bar up, use the screwdriver or srench if provided in your User's Kit to turn the guide bar adjustment screw (E) (Fig.3-5C) clockwise to tighten the

chain. Turning the screw **COUNTER-CLOCKWISE** LOOSENS THE CHAIN on the guide bar.

3. After adjustment and while wearing heavy duty work gloves, move the saw chain back and forth on the guide bar to be sure the chain moves freely and is in proper mesh with sprocket. Do not move chain with bare hands.

**NOTE:** IF the chain is difficult to rotate or if it binds on the guide bar, too much tension has been applied and must be adjusted. To decrease tension, turn the adjustment screw counterclockwise slowly. Move the chain back and forth until it moves freely.

4. Holding the nose in upper position, securely tighten the bar retaining nuts (70 inch lbs.)



3-5A



3-5B



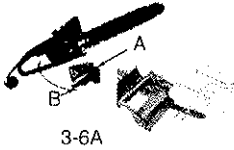
3-5C

### 3-6. ASSEMBLY OF POLE SAW

1. Make sure the unit is unplugged from power source.
2. Slip handle bracket (A) over chain saw handle (B) from the right side (See Fig.3-6A). **NOTE:** The trigger must be depressed before the bracket will go onto the handle. Push the lock-off button and depress the trigger. While holding the trigger in, place the trigger support portion of the bracket under the trigger and slide the bracket onto the chain saw handle. The bracket will keep the trigger in the "ON" position.
3. Align holes in pole bracket with holes in handle bracket. Install Phillips head screws with lock washers through pole bracket from left side and thread into the weld nuts on the handle bracket. Tighten screws securely.



4. Plug the saw power cord into receptacle cord at end of inner pole.



3-6A

### 3-7. ADJUSTING POLE LENGTH

The pole saw has a telescoping pole assembly that will extend from 57 inches (fully retracted) to 96 inches (fully extended). A threaded compression coupling is used to hold the pole in position at any extended length.

1. To extend the pole, loosen coupling by turning coupling nut counterclockwise as shown in Fig. 3-7A. Pole will slide freely.
2. Pull inner pole section out to desired length of extension. **Note:** Only extend pole to minimum length required to reach limb that is being cut.
3. To lock pole in position, tighten coupling by turning coupling nut clockwise (See Fig.3-7A) until firmly hand tight. Make sure saw handle is aligned with pole handle before tightening coupling nut.

**IMPORTANT:** Do not use wrench or pliers to overtighten coupling. Damage to coupling or pole may result.



UNLOCK LOCK  
3-7A

### 3-8. OILING CHAIN

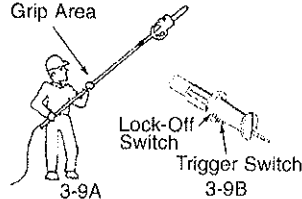
To oil chain, press oil cap. Oil will feed onto guide bar and chain. Press oil cap at least once before each cut. Always check oil level before using pole saw. Do not attempt to operate the oiler while cutting with the pole saw.

### 3-9. CUTTING WITH THE POLE SAW

1. Connect saw to extension cord. Connect extension cord to power supply.
2. Use both hands to grip pole saw. Use only designated grip areas when operating pole saw (See Fig .3-9A). Use firm grip. Thumbs and fingers must wrap around pole saw handle and pole.
3. Make sure your footing is firm. Keep

feet apart. Divide your weight evenly on both feet.

4. When ready to make a cut, press in trigger switch lock-off and squeeze trigger switch (see Fig.3-9B) This will turn pole saw on. Releasing trigger switch will turn pole saw off. Make sure saw is running at full speed before starting a cut.
5. When starting a cut, place moving chain against wood. Hold pole saw firmly in place to avoid possible bouncing or skating (sideways movement) of saw.
6. Guide pole saw using light pressure. Do not force pole saw. The motor will overload and can burn out. It will do the job better and safer at the rate for which it was intended.
7. Remove pole saw from a cut with saw running at full speed. Stop pole saw by releasing trigger. Make sure chain has stopped before setting pole saw down.
8. Never stand directly under the limb you are trimming. Always position yourself out of the path of falling debris.



3-9A

3-9B

### 3-10. FILLING OIL TANK

Using a funnel, fill oil tank with Poulan Chain, Bar and Sprocket oil. Wipe up any spills. Make sure no dirt gets into the oil tank.

### 3-11. SELECTING THE PROPER EXTENSION CORD FOR YOUR SAW MODEL

Minimum Gauge Wire				
Saw Model	Ampere Rating	Volts AC	Length Power Cord	
			25 ft./7.5m	50 ft./15m   100 ft./30m
PLN1510	B	120	18 Gauge	16 Gauge   14 Gauge

1. When using the chain saw, an extension cord of adequate size must be used for safety and to prevent loss of power and overheating.
2. The extension cord must be specifically intended for outdoor use and marked SW-A, SOW-A, STOW-A, SJW-A, SJOW-A SJTOW-A, SJTW-A, OR SJTW.

## 4 - OPERATING INSTRUCTIONS

### 4-1. TO START SAW

1. PLEASE READ ALL WARNINGS.
2. Make sure oil reservoir is full.

#### WARNING

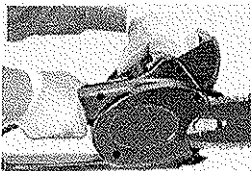
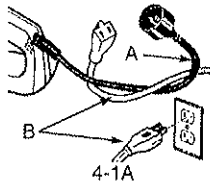
- Ensure the extension cord is of the proper size and type for your saw.
3. Plug the cord (A) into the appropriate size extension cord (B) (see Figure 3-11). Plug the extension cord into a 110/120 volt AC, 15 AMP receptacle (Figure 4-1A).

#### WARNING

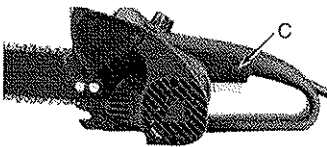
Make sure the extension cord does not come in contact with the guide bar and saw chain.

4. Grip the saw with both hands, left hand holding the front handle and the right hand holding the rear handle. Thumbs and fingers should encircle both handles (Figure 4-1B).
5. With your RIGHT THUMB, depress the LOCK/OFF button (C) on the side of the rear handle, and at the same time squeeze the trigger. To stop the saw, release the trigger (Figure 4-1C).

**NOTE:** It is not necessary to maintain pressure on the LOCK/OFF button once the trigger is squeezed and the motor is running. The LOCK/OFF button is a safety device to avoid accidental starting.



4-1B



4-1C

### 4-2. TO STOP MOTOR

The saw motor will automatically stop when the trigger is released. The LOCK/OFF button will have to be depressed and the trigger squeezed to restart the motor.

### 4-3. CHAIN AND BAR LUBRICATION

Always check oil level before using saw. To oil chain, press oil cap. Do not attempt to operate the oiler while cutting with the saw. Oil will feed onto guide bar and chain. Press oil cap at least once before each cut. Check oil level often.

#### CAUTION

Never starve the bar and chain of lubrication oil. Running the saw DRY or with TOO LITTLE OIL will decrease cutting efficiency, shorten chain saw life, and cause rapid dulling of the chain and excessive wear of the bar from overheating. Too little oil is evidenced by smoke or bar discoloration.

**NOTE:** The saw chain stretches during use, particularly when it is new, and occasional adjustment will be needed. A new chain requires more frequent adjustment during the break-in period. This is normal. See Section 3-5 for Saw Chain Tension Adjustment instructions.

#### WARNING / CAUTION

A loose chain can jump off the bar while you are cutting, as well as wear the bar and chain. A chain that is too tight can damage the saw. Either situation, chain too loose or too tight, could cause serious personal injury.

### 4-4. EXTENSION CORDS

When using an electric chain saw, plug it into the extension cord only when you are ready to cut wood. Connect the extension cord to a 110/120 voltage outlet.

**NOTE:** To prevent disconnection of the extension cord, tie a loose knot before connecting the ends together (Figure 4-4A).

#### CAUTION

A cord that is hot to the touch is overloaded.

1. When using the chain saw, an extension cord of adequate size must be used for safety and to prevent loss of power and overheating.
2. The extension cord must be specific-

ally intended for outdoor use and marked SW-A, SOW-A, STW-A, STOW-A, SJW-A, SJOW-A, SJTOW-A, STJW, or SJTW.

3. Inspect the extension power cord for loose or exposed wires and damaged insulation. If damaged, replace before using the appliance.

### WARNING

Do not operate your chain saw in a wet or damp environment. Do not expose the saw to rain, snow or sleet. Moisture will cause short circuits. Replace or repair any damaged or frayed extension cords before using your saw. Keep the cord away from the cutting area and position the cord so that it will not be caught on branches or other objects during cutting.



4-4A

## SAVE THESE INSTRUCTIONS

### DOUBLE INSULATION NO SERVICEABLE PARTS INSIDE

Do not use if the cord or plug is damaged. Your appliance is double insulated to help protect against electric shock. Double insulation construction consists of two(2) separate "layers" of electrical insulation.

Appliances built with this insulation system are not intended to be grounded. As a result, the extension cord used with your appliance can be plugged into any conventional 120 volt electrical outlet.

Normal safety precautions must be observed when operating an electrical appliance. The double insulation system is only for added protection against injury resulting from a possible internal electrical insulation failure.

### WARNING

Your double insulated appliance has no serviceable parts inside. Do not attempt to repair it yourself. For service information, contact the Poulan Product Service Department toll-free number listed on the back cover of this manual.

## 5 - GENERAL CUTTING INSTRUCTIONS

### 5-1. TRIMMING A TREE (PRUNING)

#### WARNING

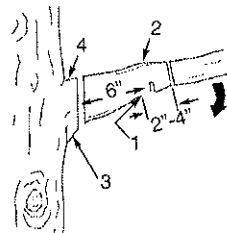
Avoid kickback. Kickback can result in severe injury or death. See Kickback, page 6, to avoid risk of kickback. Do not operate pole saw while in a tree, on a ladder or any other unstable work surface, or in any awkward position. You may lose control of pole saw causing severe injury. Do not extend arms above shoulders when using pole saw. Seek professional help if facing conditions beyond your ability.

Trimming a tree is the process of cutting limbs from a living tree. Make sure footing is firm. Keep feet apart. Divide your weight evenly on both feet.

1. Make first cut six inches from tree trunk on underside of limb. Use top of guide bar to make this cut. (Cut 1/3 through diameter of limb, see Fig. 5-1A)
2. Move two to four inches farther out on limb. Make second cut from above limb. Make second cut from above

limb. Continue cut until you cut limb off.

3. Make third cut as close to tree trunk as possible on underside of limb stub. Use top of guide bar to make this cut. Cut 1/3 through diameter of stub.
4. Make fourth cut directly above third cut. Cut down to meet third cut. This will remove limb stub.



5-1A

### 5-2. FELLING

Felling is the term for cutting down a tree. Small trees up to 6-7" (15-18cm) in diameter are usually cut in a single cut. Larger trees require notch cuts. Notch

cuts determine the direction the tree will fall.

### FELLING A TREE:

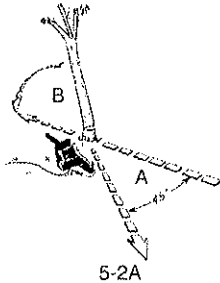
#### WARNING

A retreat path (A) should be planned and cleared as necessary before cuts are started. The retreat path should extend back and diagonally to the rear of the expected line of fall, as illustrated in Figure 5-2A.

#### CAUTION

If felling a tree on sloping ground, the chain saw operator should keep on the uphill side of the terrain, as the tree is likely to roll or slide downhill after it is felled.

**NOTE:** Direction of fall (B) is controlled by the notching cut. Before any cuts are made, consider the location of large branches and natural lean of the tree to determine the way the tree will fall.



#### WARNING

Do not cut down a tree during high or changing winds or if there is a danger to property. Consult a tree professional. Do not cut down a tree if there is a danger of striking utility wires; notify the utility company before making any cuts.

#### GENERAL GUIDELINES FOR FELLING TREES:

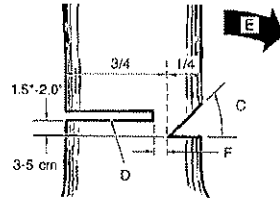
Normally felling consists of two(2) main cutting operations, notching (C) and making the felling cut (D). Start making the upper notch cut (C) on the side of the tree facing the felling direction (E). Be sure you don't make the lower cut too deep into the trunk.

The notch (C) should be deep enough to create a hinge (F) of sufficient width and strength. The notch should be wide enough to direct the fall of the tree for as long as possible.

#### WARNING

Never walk in front of a tree that has been notched. Make the felling cut (D)

from the other side of the tree and 1.5"-2.0"(3-5cm) above the edge of the notch (C) (Figure 5-2B).



5-2B

Never saw completely through the trunk. Always leave a hinge. The hinge guides the tree. If the trunk is completely cut through, control over the felling direction is lost.

Insert a wedge or felling lever in the cut well before the tree becomes unstable and starts to move. This will prevent the guide bar from binding in the felling cut if you have misjudged the falling direction. Make sure no bystanders have entered the range of the falling tree before you push it over.

#### WARNING

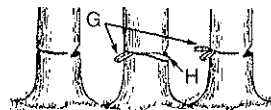
Before making the final cut, always recheck the area for bystanders, animals or obstacles.

#### FELLING CUT:

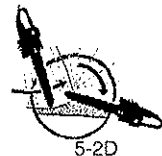
1. Use wooden or plastic wedges (G) to prevent binding the bar or chain (H) in the cut. Wedges also control felling (Figure 5-2C).
2. When diameter of wood being cut is greater than the bar length, make two(2) cuts as shown (Figure 5-2D).

#### WARNING

As the felling cut gets close to the hinge, the tree should begin to fall. When tree begins to fall, remove saw from cut, stop engine, put chain saw down, and leave area along retreat path (Figure 5-2A).



5-2C



5-2D

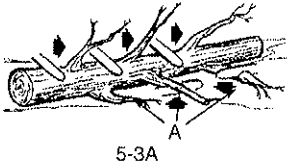
### 5-3. LIMBING

Limbing a tree is the process of removing the branches from a fallen tree. Do not remove supporting limbs (A) until after the log is bucked (cut) into lengths (Figure 5-3A).

Branches under tension should be cut from the bottom up to avoid binding the chain saw.

### WARNING

Never cut tree limbs while standing on tree trunk.



### 5-4. BUCKING

Bucking is cutting a fallen log into lengths. Make sure you have a good footing and stand uphill of the log when cutting on sloping ground. If possible, the log should be supported so that the end to be cut off is not resting on the ground. If the log is supported at both ends and you must cut in the middle, make a downward cut halfway through the log and then make the undercut. This will prevent the log from pinching the bar and chain. Be careful that the chain does not cut into the ground when bucking as this causes rapid dulling of the chain.

When bucking on a slope, always stand on the uphill side.

1. Log supported along entire length: Cut from top (overbuck), being careful to avoid cutting into the ground (Figure 5-4A).
2. Log supported on 1 end: First, cut from bottom (underbuck) 1/3 diameter of log to avoid splintering. Second, cut from above (overbuck) to meet first cut and avoid pinching (Figure 5-4B).
3. Log supported on both ends: First, overbuck 1/3 diameter of log to avoid splintering. Second, underbuck to meet first cut and avoid pinching (Figure 5-4C).

**NOTE:** The best way to hold a log while bucking is to use a sawhorse. When

this is not possible, the log should be raised and supported by the limb stumps or by using supporting logs. Be sure the log being cut is securely supported.



5-4A



5-4B



5-4C

### 5-5. BUCKING USING A SAWHORSE

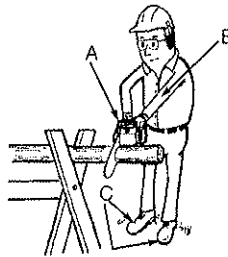
For personal safety and ease of cutting, the correct position for vertical bucking is essential (Figure 5-5A).

#### VERTICAL CUTTING:

- A. Hold the saw firmly with both hands and keep the saw to the right of your body while cutting.
- B. Keep the left arm as straight as possible.
- C. Keep weight on both feet.

### CAUTION

While the saw is cutting, be sure the chain and bar are being properly lubricated.



5-5A

## 6 - BAR/CHAIN MAINTENANCE

### 6-1. GUIDE BAR MAINTENANCE

#### WARNING

Ensure that the power cord is disconnected before performing any maintenance on your saw.

**Proper maintenance of the guide bar, as explained in this section, is essential to keep your saw in good working order.**

#### GUIDE BAR MAINTENANCE :

most guide bar problems can be prevented merely by keeping the chain saw well maintained.

Incorrect filing and non-uniform cutter and depth gauge settings cause most guide bar problems, primarily resulting in uneven bar wear. As the bar wears unevenly, the rails widen, which may cause chain clatter and difficulty in making straight cuts.

Insufficient guide bar lubrication and operating the saw with a chain that is TOO TIGHT will contribute to rapid bar wear (see Section 6-2).

To help minimize bar wear, the following guide bar maintenance is recommended.

**BAR WEAR**- Turn guide bar frequently at regular intervals (for example, after five(5) hours of use), to ensure even wear on top and bottom of bar.

**BAR GROOVES** - Bar grooves (or rails which support and carry the chain) should be cleaned if the saw has been heavily used or if the saw chain appears dirty. Rails should always be cleaned every time the saw chain is removed.

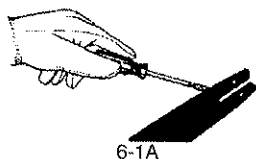
**OIL PASSAGES**- Oil passages at bar pad should be cleaned to ensure proper lubrication of the bar and chaiduring operation. This can be done using a soft wire small enough to insert into the oil discharge hole.

#### TO CLEAN GUIDE BAR RAILS:

1. Remove sprocket cover, bar and chain (see Section 3-4).
2. Using a screwdriver, putty knife, wire brush or other similar instrument, clear residue from the rails on the guide bar.

This will keep the oil passages open to provide proper lubrication to the bar and chain (Figure 6-1A).

3. Reinstall the bar, chain and bar bolt retaining nuts. (See Section 3-4).



### 6-2. CHAIN MAINTENANCE INSTRUCTIONS

#### WARNING

Unless you have experience and specialized training for dealing with kickback (see Safety Precautions), always use a low-kickback saw chain, which significantly reduces the danger of kickback. Low-kickback saw chain does not completely eliminate kickback. A low-kickback or "safety chain", should never be regarded as total protection against injury.

A low kick saw chain should always be used in combination with other kickback protection devices such as a hand guard and reduced kickback guide bar supplied with the your unit.

Always use a replacement saw chain designed as "low-kickback" or a saw chain which meets the low-kickback performance.

A standard saw chain (a chain which does not have the kickback reducing guard links) should only be used by an experienced professional chain saw operator.

#### What is a Low-Kickback Saw Chain?

A low-kickback saw chain is a chain which has met the kick-back performance requirements of ANSI B175.1. Do not use other replacement chain unless it has met these requirements for your specific model.

By keeping the saw chain in good working condition and correctly serviced as recommended in this manual, you will be able to maintain the safety system of your chain saw over the life of the product.

#### WARNING

Never remove, modify or make inoperative any safety device furnished with your unit. The hand guard, reduced kickback guide bar and low kick back saw chain are major safety features provided for your protection.

## WARNING

Always wear heavy duty protection work gloves and disconnect the extension cord when working on the saw chain.

### CHAIN TENSION:

Check the chain tension frequently and adjust as often as necessary to keep the chain snug on the bar, but loose enough to be pulled around by hand. (See Section 3-5, Saw Chain Tension Adjustment).

### BREAKING IN A NEW SAW CHAIN

A new chain and bar will need readjustment after as few as five(5) cuts. This is normal during the break-in period, and the interval between future adjustments will begin to lengthen quickly.

Over a period of time, however, the moving parts of the saw chain will become worn, resulting in what is called CHAIN STRETCH. This is normal. When it is no longer possible to obtain correct chain tension adjustment, a link will have to be removed to shorten the chain. See your Poulan Authorized Service Center to have this repair performed.

## WARNING / CAUTION


Never have more than three(3) links removed from a loop of chain this could cause damage to the sprocket.

## 7 - PREVENTIVE MAINTENANCE

### 7-1. PREVENTATIVE MAINTENANCE

#### WARNING Ⓞ

#### SERVICING A DOUBLE INSULATED CHAIN SAW

In this double insulated chain saw, two(2) systems of insulation, instead of grounding, are provided. No grounding means is provided on a double insulated chain saw, nor should a means for grounding be added to the chain saw. No serviceable parts are inside. A double insulated chain saw is marked with the words, "DOUBLE INSULATION" or "DOUBLE INSULATED". The symbol  (square within a square) may also be marked on the chain saw.

1. Place switch in OFF position and unplug the power supply before the chain saw is serviced, cleaned, or maintenance is performed.
2. Keep the air intake clean and air vents free of debris to avoid overheating the motor.
3. Clean with a damp sponge and mild

soap. Do not squirt with a water hose or douse with water or other liquids.

4. Inspect the saw chain for proper tension before each use and frequently during cutting. Sharpen as required.
5. Clean the guide bar and bar pad to ensure free path for oil.
6. Turn the bar over after each use to achieve even wear.
7. No motor lubrication is necessary. The motor is equipped with lifetime lubricated bearings.
8. If the saw does not operate, turn switch to OFF position and disconnect the extension cord, first from the power supply, then from the saw. Check the power supply for blown fuses or tripped circuit breakers. If it still does not operate, contact the Poulan Product Service Department, through the toll-free number listed on the back cover of this manual, for service information. Do not attempt to repair it yourself. No serviceable parts are inside.

### 7-2. CHAIN REPLACEMENT INFORMATION

Drive Links	Bar		Chain			
	P/N	Length	P/N	Length	Gauge	Pitch
39 DL	966-051101	10"	966-051401	10"	0.05"	3/8"

There may be other quality equivalent replacement components for achieving kickback protection.

## **8 - LIMITED WARRANTY**

**Poulan**, a division of Husqvarna Consumer Outdoor Products N.A., Inc., warrants to the original consumer purchaser that each new Poulan brand electric or cordless product is free from defects in material and workmanship and agrees to repair or replace under this warranty any defective **Poulan** brand electric product within one (1) year from the original date of purchase.

If your **Poulan** brand electric or cordless product should fail within the limited warranty period, you may return it in complete condition, prepaid, with proof of purchase to the dealer from whom it was purchased for repair or replacement at the option of **Poulan**.

This warranty is not transferable and does not cover damage or liability caused by improper handling, improper maintenance or alteration, or the use of accessories and/or attachments not specifically recommended by Poulan for this product. This warranty does not cover parts that will wear and require replacement with reasonable use during the warranty period. This warranty does not cover pre-delivery setup or normal adjustments explained in the instruction manual.

Should you have any unanswered questions regarding this warranty, please contact:

**Poulan**, a division of Husqvarna  
Consumer Outdoor Products N.A., Inc.  
1030 Stevens Creek Road  
Augusta, GA 30907  
1-800-554-6723

In Canada, contact:

**Poulan**  
850 Matheson Blvd. West  
Mississauga, Ontario L5V 0B4

Giving the model number, serial number and date of purchase of your product and the name and address of the authorized dealer from whom it was purchased.

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**

**NO CLAIMS FOR CONSEQUENTIAL OR OTHER DAMAGES WILL BE ALLOWED, AND THERE ARE NO OTHER EXPRESS WARRANTIES EXCEPT THOSE EXPRESSLY STIPULATED HEREIN.**

**SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSION MAY NOT APPLY TO YOU.**

This is a limited warranty within the meaning of that term as defined in the Magnuson-Moss Act of 1975.

The policy of Poulan is to continuously improve its products. Therefore, Poulan reserves the right to change, modify, or discontinue models, designs, specifications, and accessories of all products at any time without notice or obligation to any purchaser.