

## Poulan Pro PR5020

# Poulan Pro 20-inch 50cc 2-Cycle Gas Chainsaw (Model PR5020) User Manual

Brand: Poulan Pro

Model: PR5020 (967061501)

## INTRODUCTION

This 20 in. chainsaw is powerful and easy to start and operate. It is a robust, all-around model with low weight, equipped with OxyPower engine for more power, lower emission levels and lower fuel consumption. Quick and easy to start, it features Soft Start, purge and integrated choke/stop controls. There is easy handling and maintenance with convenient side adjust chain tensioning along with easy access clips on the cylinder cover for fast access to filter and spark plug. The Combi tool is integrated in the rear handle. Backed by a 2-year limited warranty.



Figure 1: Poulan Pro 20-inch 50cc 2-Cycle Gas Chainsaw.

## Key Features:

- With the OxyPower engine technology, you can get that extra power for virtually any task. This technology offers a more powerful engine, but also 70% less emissions and 20% lower fuel consumption.
- Effortless pull starting system reduces pull force 30% for easier starting and reduced wear on the starter mechanism.
- The combi tool is integrated into the rear handle, it's always there when you need it for maintenance.
- The purge bulb, which provides the carburetor with fuel and makes the product easier to start with fewer pulls, is protected, reducing the risk of damage.
- User friendly combined choke/stop control allows faster starting and greater reliability by reducing the risk of engine flooding.

## SETUP AND ASSEMBLY

### 1. Unpacking and Inspection

Carefully remove all components from the packaging. Inspect for any damage. Ensure all parts listed in the packing list are present.

### 2. Bar and Chain Installation

Ensure the chain brake is disengaged. Loosen the two nuts on the clutch cover and remove it. Place the chain around the clutch drum and guide bar. Ensure the cutting edges of the chain are facing the correct direction. Reinstall the clutch cover and tighten the nuts finger-tight.



Figure 2: Proper installation of the guide bar and chain.

### 3. Chain Tensioning

Adjust the chain tensioning screw (located on the side cover) until the chain fits snugly against the guide bar, but can still be pulled around by hand. The chain should not sag on the underside of the guide bar. Over-tightening can cause premature wear.

### 4. Fuel and Chain Oil Filling

This chainsaw requires a 50:1 fuel mixture (50 parts unleaded gasoline to 1 part 2-cycle engine oil). Use fresh, high-quality unleaded gasoline and a premium 2-cycle engine oil specifically designed for air-cooled engines. Fill the fuel tank (marked with a fuel pump icon) and the chain oil reservoir (marked with an oil can icon). Do not overfill.



Figure 3: Location of fuel and bar oil caps for filling.

## OPERATING INSTRUCTIONS

### 1. Starting the Chainsaw (Cold Engine)

1. Place the chainsaw on a firm, flat surface. Ensure the chain brake is engaged.
2. Press the primer bulb 5-10 times until fuel is visible in the return line.
3. Pull the choke control knob out to the full choke position.
4. Pull the starter cord firmly and steadily until the engine "pops" or attempts to start (usually 1-3 pulls). Do not pull the cord to its full extension.
5. Push the choke control knob halfway in (half-choke position).
6. Pull the starter cord again until the engine starts.
7. Once the engine starts, immediately push the choke control knob fully in. Allow the engine to warm up for a few moments before use.

*Video 1: Official Poulan Pro Chainsaw promotional video highlighting features like less fuel, lower emissions, and more power.*

### 2. Starting the Chainsaw (Warm Engine)

If the engine is warm, pull the starter cord with the choke control fully in until the engine starts.

### 3. Cutting Techniques

Always maintain a firm grip with both hands. Keep your feet firmly planted. Avoid cutting with the tip of the guide bar to prevent kickback. Always be aware of your surroundings and potential falling debris.



Figure 4: Proper chainsaw operation while cutting a log.

## MAINTENANCE

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### 1. Chain Sharpening

Regularly sharpen the chain for optimal cutting performance and safety. Use a round file of the correct diameter for your chain (refer to chain specifications). Sharpen each cutter at the recommended angle.

### 2. Guide Bar Maintenance

Clean the guide bar groove and oil holes regularly. Flip the guide bar periodically to ensure even wear.

### 3. Air Filter Cleaning

Remove and clean the air filter after every 5-10 hours of operation, or more frequently in dusty conditions. Wash with warm, soapy water, rinse thoroughly, and allow to dry completely before reinstallation.

### 4. Spark Plug Inspection

Inspect the spark plug annually or every 50 hours of operation. Clean or replace if fouled or worn. Ensure the correct gap is maintained.

### 5. General Cleaning

Keep the chainsaw clean from sawdust, debris, and oil residue. This prevents overheating and ensures proper function of controls.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Engine does not start or is difficult to start	Incorrect starting procedure, old/improper fuel mixture, fouled spark plug, clogged fuel filter, carburetor issues.	Follow cold/warm starting procedure. Use fresh 50:1 fuel. Clean/replace spark plug. Check/replace fuel filter. Consult service center for carburetor issues.
Chainsaw cuts poorly or slowly	Dull chain, incorrect chain tension, worn guide bar, improper cutting technique.	Sharpen chain. Adjust chain tension. Inspect guide bar for wear. Review cutting techniques.
Chain oil is not flowing	Clogged oil outlet, empty oil tank, damaged oil pump.	Clean oil outlet. Refill oil tank. Consult service center for oil pump issues.
Excessive vibration	Loose components, damaged chain/guide bar, engine imbalance.	Check all fasteners for tightness. Inspect chain and guide bar for damage. Consult service center.

## SPECIFICATIONS

- **Brand:** Poulan Pro
- **Power Source:** Gas Powered
- **Horsepower:** 2.8
- **Item Weight:** 17 Pounds
- **Product Dimensions:** 16" L x 12" W x 11.8" H
- **Chain Length:** 20 Inches
- **Manufacturer:** Poulan Pro
- **UPC:** 024761039208
- **Part Number:** 967061501
- **Size:** 20"
- **Color:** Black
- **Style:** Chainsaw
- **Item Package Quantity:** 1
- **Included Components:** Product^manual
- **Batteries Included?:** No
- **Batteries Required?:** No

## WARRANTY AND SUPPORT

### Warranty Information

This Poulan Pro chainsaw is backed by a 2-year limited warranty. Please retain your proof of purchase for warranty claims.

### Further Assistance

For detailed instructions, safety guidelines, or technical support, please refer to the official User Manual (PDF) available for download or contact Poulan Pro customer service.

[Download Official User Manual \(PDF\)](#)