

## PRORUN PCS216

# PRORUN 40.1cc 16-inch Gas-Powered 2-Cycle Chainsaw

Model: PCS216

### IMPORTANT SAFETY INFORMATION

Read and understand all safety warnings and instructions before operating this chainsaw. Failure to follow these instructions may result in electric shock, fire, and/or serious injury. Keep this manual for future reference.

- Always wear appropriate personal protective equipment (PPE) including a helmet, eye protection, hearing protection, gloves, and safety boots.
- Ensure the work area is clear of bystanders, children, and pets.
- Do not operate the chainsaw when fatigued, under the influence of drugs, alcohol, or medication.
- Inspect the chainsaw before each use for loose parts, damage, or fuel leaks.
- Maintain a firm grip with both hands on the chainsaw handles.
- Be aware of kickback and how to avoid it.
- Never operate the chainsaw indoors or in poorly ventilated areas due to exhaust fumes.
- Store the chainsaw safely when not in use, out of reach of children.

### PRODUCT OVERVIEW

The PRORUN PCS216 is a 40.1cc gas-powered chainsaw designed for various cutting tasks. It features a 16-inch bar and chain, an automatic oiling system, and a spring-assist starting mechanism.

### Key Components

# PRORUN®

## GAS-POWERED CHAINSAW

40.1CC 16-IN. 2-CYCLE



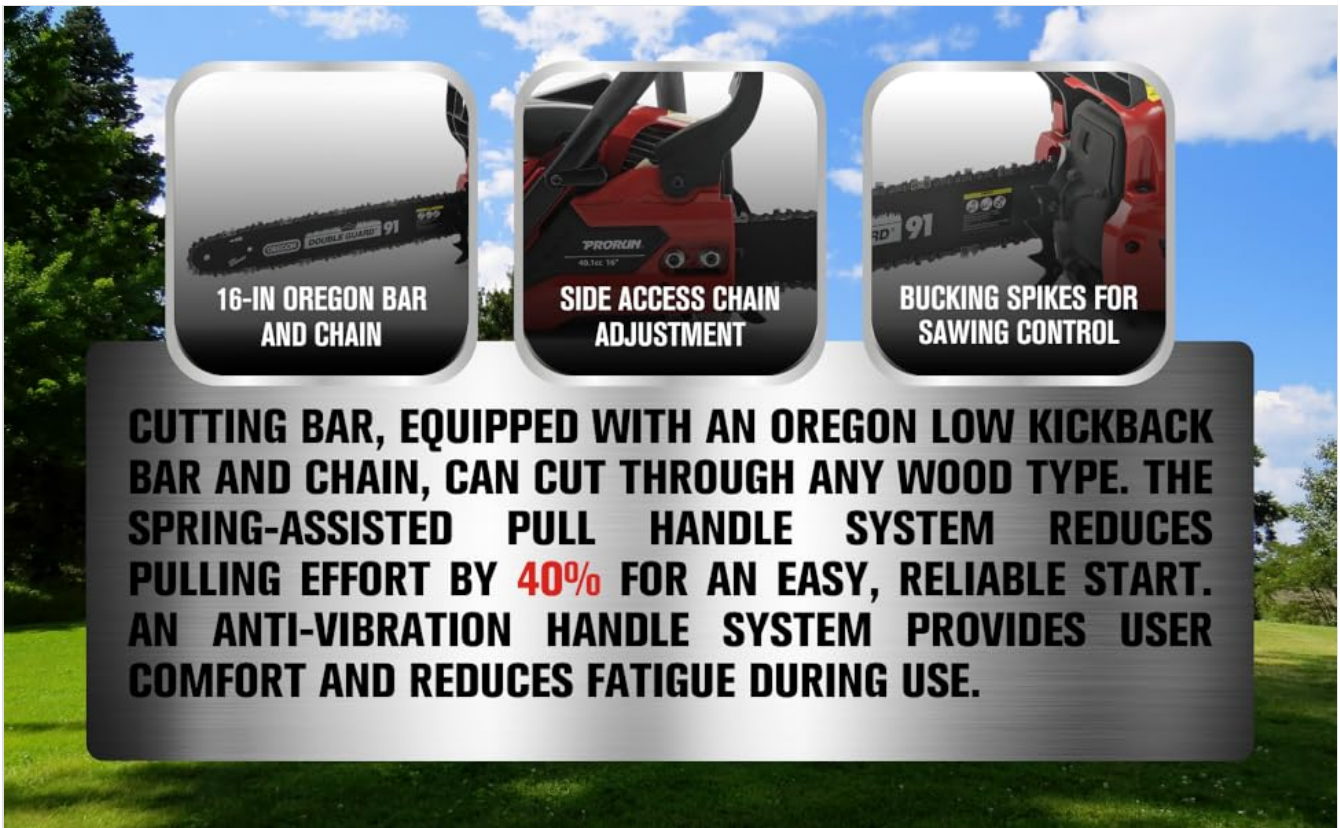
**Image:** Diagram illustrating the main components of the PRORUN 40.1cc 16-inch Gas Chainsaw, including the inertia-activated chain brake, 16-inch bar and chain, chrome-plated cutters, automatic oiling system, bucking spikes, 40.1cc full crank 2-cycle engine, spring-assist starting system, 3-point anti-vibration system, quick-release air filter cover, adjustable bar & chain oiler, and side-access chain adjustment.

- **40.1cc Full Crank Engine:** Provides 2.0 HP for reliable power.
- **16-inch Bar and Chain:** Equipped with an Oregon Bar and chain for cutting.
- **Automatic Oiling System:** Lubricates the chain and bar during operation.
- **Spring-Assist Starting System:** Reduces effort required to start the engine.
- **Inertia-Activated Chain Brake:** Safety feature to stop the chain rapidly.
- **Anti-Vibration System:** Designed to reduce user fatigue.
- **Side-Access Chain Adjustment:** Allows for convenient chain tensioning.

### SETUP AND ASSEMBLY

The PRORUN PCS216 chainsaw is shipped fully assembled. Before first use, ensure all components are securely fastened and familiarize yourself with the controls.

### Unpacking and Inspection



**Image:** The PRORUN PCS216 Chainsaw shown with its included accessories: a bar & chain cover, and maintenance tools (scrench multi-tool, file). The image also indicates the product is fully assembled and highlights warranty information.

1. Carefully remove the chainsaw and all accessories from the packaging.
2. Check for any shipping damage or missing parts. Contact customer service if issues are found.
3. Ensure the bar and chain are properly installed and tensioned. Refer to the "Chain Adjustment" section if needed.
4. Place the bar and chain cover over the guide bar when the chainsaw is not in use.

---

## FUEL AND LUBRICATION

This chainsaw uses a 2-cycle engine and requires a specific fuel mixture and chain lubricant.

### Fuel Mixture (Gasoline and 2-Cycle Oil)

- Mix unleaded gasoline with high-quality 2-cycle engine oil at a 50:1 ratio (2.6 oz of oil per 1 gallon of gasoline).
- Use fresh gasoline with an octane rating of 89 or higher.
- Do not use E85 fuel or automotive oil.
- Mix fuel in a separate, approved fuel container. Shake well before filling the chainsaw's fuel tank.

### Chain Lubrication (Bar and Chain Oil)

- Fill the chain oil reservoir with quality bar and chain oil.
- The automatic oiling system will lubricate the chain during operation. Regularly check the oil level.
- Never operate the chainsaw without sufficient bar and chain oil.

---

## OPERATING INSTRUCTIONS

## Starting the Chainsaw



**Image:** Close-up view of the chainsaw's pull start handle, illustrating the spring-assisted starting mechanism.

1. Place the chainsaw on a firm, flat surface.
2. Engage the chain brake by pushing the front hand guard forward.
3. Push the primer bulb several times until fuel is visible.
4. Set the choke lever to the "Full Choke" position.
5. Pull the starter cord firmly and smoothly until the engine "pops" or attempts to start. Do not pull the cord to its full extension.
6. Once the engine "pops," move the choke lever to the "Half Choke" or "Run" position (refer to specific model markings).
7. Pull the starter cord again until the engine starts.
8. Allow the engine to warm up for a few moments, then disengage the chain brake.

## Cutting Techniques

- Always maintain a balanced stance and firm grip.

- Identify potential kickback zones (the upper quadrant of the guide bar tip).
- Begin cutting with the chain running at full speed.
- Use bucking spikes for leverage and control when cutting larger logs.
- Be aware of falling branches and shifting logs.

## MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your chainsaw.

### Chain Adjustment



**Image:** Close-up view of the side-access chain adjustment screw and tensioning mechanism on the PRORUN chainsaw.

1. Ensure the engine is off and the chain brake is engaged.
2. Loosen the bar nuts slightly using the provided srench.
3. Turn the chain tensioning screw (located on the side) clockwise to tighten the chain or counter-clockwise to loosen it.
4. The chain should be snug against the guide bar, but still able to be pulled freely by hand.
5. Retighten the bar nuts securely.

## Air Filter Cleaning

- Locate the quick-release air filter cover.
- Remove the cover and carefully take out the air filter.
- Clean the filter using compressed air or wash it with warm, soapy water. Allow it to dry completely before reinstallation.
- Replace the air filter if it is damaged or excessively dirty.

## Chain Sharpening

- A dull chain requires more effort to cut and can be dangerous.
- Use the provided file or a suitable chain sharpening tool to maintain the sharpness of the chain cutters.
- Refer to the chain manufacturer's specifications for the correct filing angles.

---

## TROUBLESHOOTING

This section addresses common issues you might encounter with your chainsaw.

Problem	Possible Cause	Solution
Engine does not start	No fuel, incorrect choke setting, fouled spark plug, clogged fuel filter.	Check fuel level and mixture. Adjust choke. Clean/replace spark plug. Clean/replace fuel filter.
Chainsaw loses power or stalls	Dull chain, improper fuel mixture, clogged air filter, overheating.	Sharpen chain. Use correct fuel mixture. Clean air filter. Allow chainsaw to cool down.
Chain does not move	Chain brake engaged, chain too tight, clutch issue.	Disengage chain brake. Adjust chain tension. Consult service center if clutch is suspected.
Excessive vibration	Loose components, damaged chain, bent guide bar.	Inspect and tighten all fasteners. Replace damaged chain or guide bar.

---

## SPECIFICATIONS

Brand	PRORUN
Model Number	PCS216
Power Source	Gas Powered
Engine Displacement	40.1cc
Horsepower	2.0 HP
Bar Length	16 inches
Item Weight	12.6 Pounds
Product Dimensions (L x W x H)	30.3" x 9.5" x 10.9"

## WARRANTY AND SUPPORT



**Image:** PRORUN warranty details, indicating a 3-year residential limited warranty and a 1-year commercial limited warranty. The PRORUN PCS216 Chainsaw is backed by a limited warranty:

- **Residential Use:** 3-year limited warranty.
- **Commercial Use:** 1-year limited warranty.

For warranty claims, technical support, or replacement parts, please contact PRORUN customer service:

- **Phone:** 1-844-905-0882
- **Email:** [info@proruntech.com](mailto:info@proruntech.com)

Please have your model number (PCS216) and purchase date available when contacting support.