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> Pro Chaser Carburetor Instruction Manual for Craftsman Chainsaws Models 358.351460, 358.351560, 358.351580, 358.352160, 358.352161, 358.352162

## Pro Chaser PC210131

# Pro Chaser Carburetor Instruction Manual

For Craftsman Chainsaw Models: 358.351460, 358.351560, 358.351580, 358.352160, 358.352161, 358.352162

## INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your new Pro Chaser Carburetor. Please read these instructions carefully before attempting any installation or maintenance procedures. Proper handling and installation will ensure optimal performance and longevity of your chainsaw.

## WHAT'S IN THE BOX

Your Pro Chaser Carburetor package includes the following components:

- 1 x Carburetor
- 2 x Fuel Hoses
- 1 x Fuel Filter
- 2 x Gaskets
- 1 x Spark Plug
- 1 x Primer Bulb
- 1 x Air Filter

## COMPATIBILITY

This Pro Chaser Carburetor (Model PC210131) is designed as a replacement part for the following Craftsman chainsaw models:

- Craftsman 358.351460
- Craftsman 358.351560
- Craftsman 358.351580
- Craftsman 358.352160

- Craftsman 358.352161
- Craftsman 358.352162

Before installation, visually compare the new carburetor with your existing unit to confirm compatibility. Minor design differences may exist between carburetor models, so careful verification is recommended.

## SETUP AND INSTALLATION

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**Safety First:** Always ensure the chainsaw is turned off, the spark plug wire is disconnected, and the engine is cool before beginning any installation or maintenance. Wear appropriate safety gear, including gloves and eye protection.

### General Installation Steps:

1. **Prepare the Chainsaw:** Disconnect the spark plug wire. Drain any remaining fuel from the fuel tank.
2. **Remove Air Filter Cover:** Locate and remove the air filter cover and the air filter element.
3. **Disconnect Fuel Lines:** Carefully disconnect the fuel lines from the old carburetor. Note their positions for reinstallation.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold. Be mindful of any gaskets between the carburetor and the engine.
5. **Install New Gaskets:** Place the new gaskets provided in the correct positions between the engine, carburetor, and air filter housing. Ensure they are properly seated to prevent air leaks.
6. **Mount New Carburetor:** Position the new Pro Chaser Carburetor and secure it with the bolts. Do not overtighten.
7. **Connect Fuel Lines:** Reconnect the fuel hoses to the appropriate ports on the new carburetor. Ensure a snug fit to prevent leaks. Replace fuel filter if necessary.
8. **Install Primer Bulb and Spark Plug:** Replace the primer bulb if included and install the new spark plug.
9. **Reassemble Air Filter:** Install the new air filter and reattach the air filter cover.
10. **Final Checks:** Inspect all connections for tightness and ensure no fuel leaks are present. Reconnect the spark plug wire.

For detailed, model-specific instructions, refer to your chainsaw's original service manual.

## OPERATING THE CARBURETOR

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The carburetor's primary function is to mix air and fuel in the correct ratio for combustion. After installation, the carburetor should be ready for operation. Most modern carburetors are pre-set for optimal performance. However, minor adjustments may be required depending on environmental factors (e.g., altitude, temperature).

### Initial Start-up:

1. Fill the fuel tank with the correct fuel/oil mixture as specified by your chainsaw manufacturer.
2. Prime the carburetor by pressing the primer bulb until fuel is visible.
3. Follow your chainsaw's specific starting procedure (e.g., choke setting, pull cord).

### Carburetor Adjustment (if necessary):

Carburetor adjustments typically involve 'High' (H) and 'Low' (L) speed mixture screws, and an 'Idle' (T)

speed screw. Adjustments should only be made by experienced users or qualified technicians. Incorrect adjustments can damage the engine.

- **Low Speed (L) Screw:** Controls the fuel/air mixture at idle and low engine speeds.
- **High Speed (H) Screw:** Controls the fuel/air mixture at high engine speeds.
- **Idle Speed (T) Screw:** Adjusts the engine's idle RPM.

Always refer to your chainsaw's original manual for specific adjustment procedures and recommended settings.

## MAINTENANCE

Regular maintenance of your carburetor and associated components is crucial for reliable chainsaw performance.

- **Fuel Filter:** Replace the fuel filter periodically (e.g., annually or every 50 hours of use) to prevent contaminants from reaching the carburetor. A clogged fuel filter can cause poor engine performance.
- **Air Filter:** Clean or replace the air filter regularly. A dirty air filter restricts airflow, leading to a rich fuel mixture and reduced power.
- **Fuel Lines:** Inspect fuel lines for cracks, hardening, or leaks. Replace them if any damage is observed.
- **Spark Plug:** Inspect and replace the spark plug as part of routine maintenance. A fouled or worn spark plug can affect ignition.
- **Fuel Quality:** Always use fresh, clean fuel mixed with the correct ratio of 2-stroke oil. Stale or contaminated fuel can cause carburetor issues.
- **Storage:** Before long-term storage, drain the fuel tank and run the engine until it stops to clear the carburetor of fuel. This prevents gumming and varnish buildup. Alternatively, use a fuel stabilizer.

## TROUBLESHOOTING

If your chainsaw experiences issues after carburetor installation, consider the following common problems and solutions:

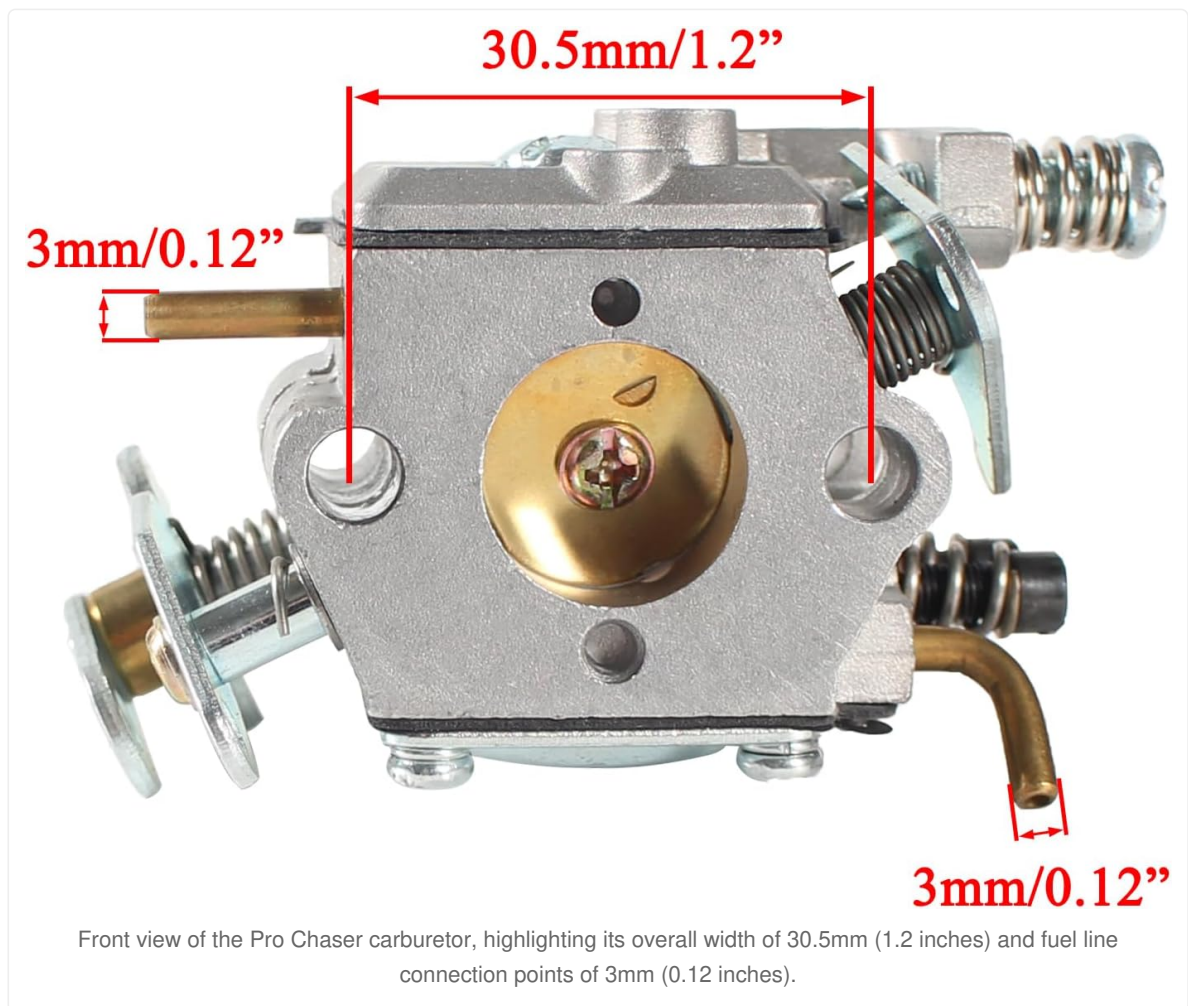
Problem	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel filter, incorrect choke setting, fouled spark plug, air leak	Check fuel level, replace fuel filter, adjust choke, replace spark plug, check gaskets for leaks
Engine starts but dies	Incorrect idle speed, fuel delivery issue, air leak	Adjust idle screw, check fuel lines/filter, inspect gaskets
Poor acceleration/lack of power	Clogged air filter, incorrect high-speed mixture, fuel delivery issue	Clean/replace air filter, adjust high-speed screw (if experienced), check fuel system
Engine runs rough/surges	Incorrect low-speed mixture, air leak, dirty fuel	Adjust low-speed screw (if experienced), check gaskets, use fresh fuel
Fuel leaks	Loose fuel lines, damaged gaskets, faulty primer bulb	Tighten connections, replace gaskets, replace primer bulb

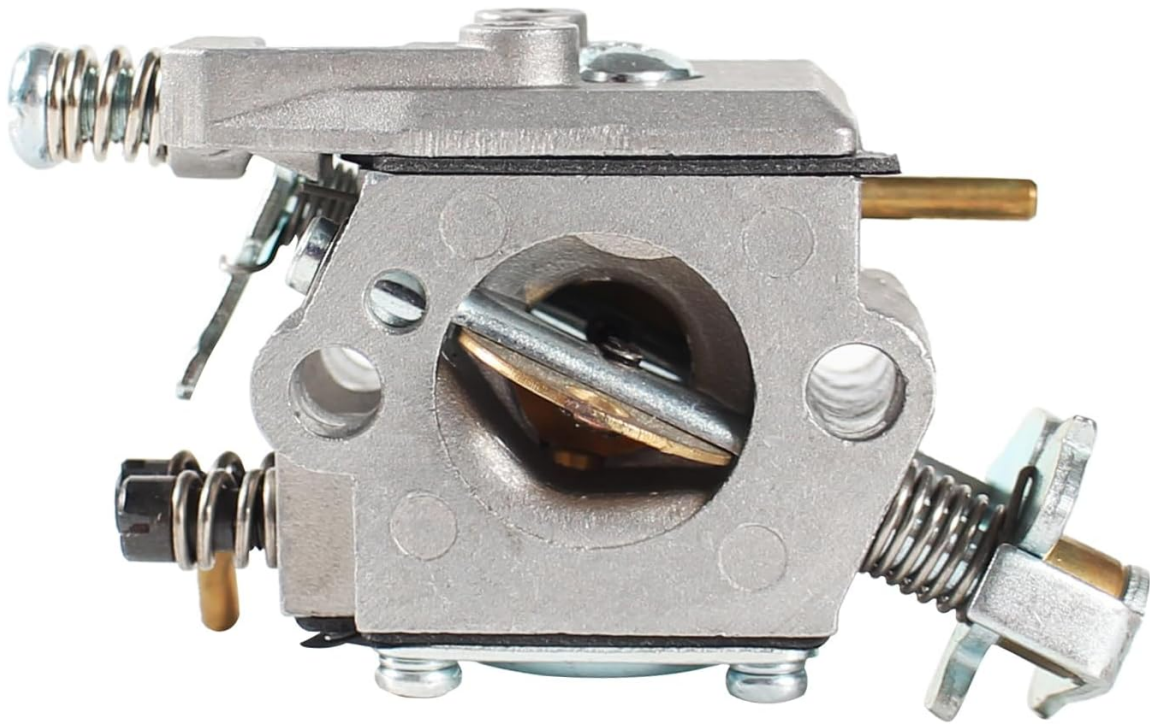
If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified chainsaw technician.

## PRODUCT SPECIFICATIONS

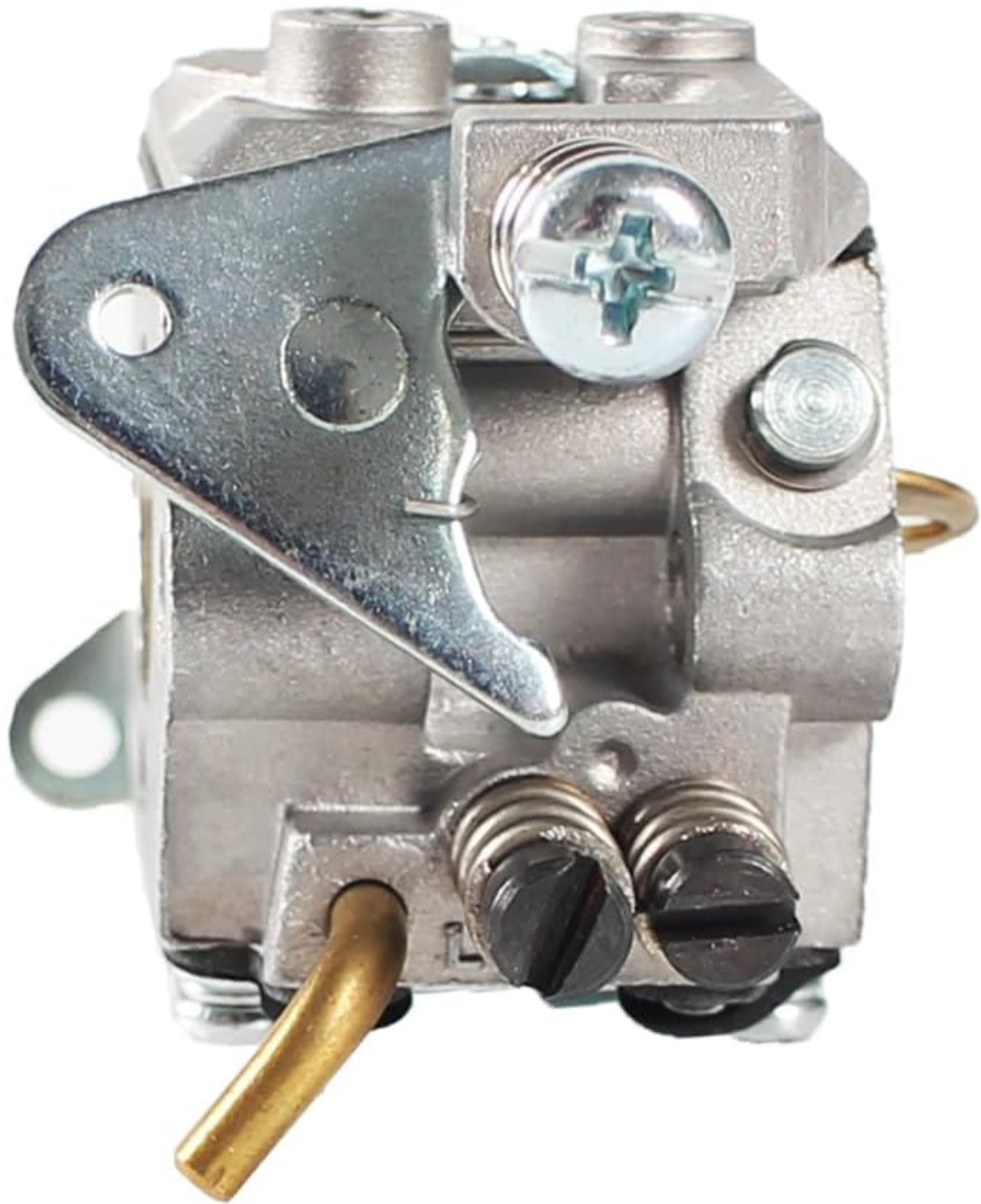
- **Brand:** Pro Chaser
- **Model Number:** PC210131
- **UPC:** 679070671146
- **GTIN:** 679070671146
- **Exterior Finish:** Machined
- **Included Components:** Carburetor, 2 Fuel Hoses, Fuel Filter, 2 Gaskets, Spark Plug, Primer Bulb, Air Filter

## PRODUCT IMAGES

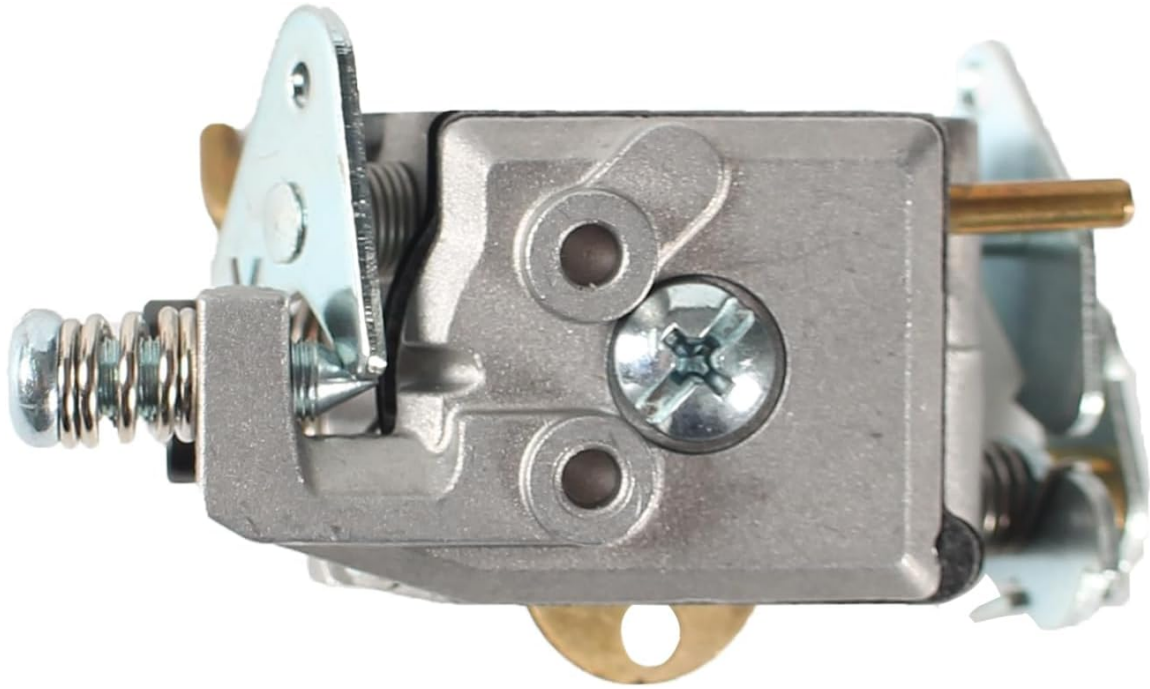




Side view of the carburetor, illustrating the internal throttle plate and air intake passage.



Another side view of the carburetor, detailing the location of the adjustment screws and the connection point for the primer bulb.



Top-down perspective of the carburetor, highlighting the mounting holes and the main fuel inlet.

## WARRANTY INFORMATION

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This Pro Chaser Carburetor comes with a manufacturer's warranty of **90 days** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, neglect, or unauthorized modifications. For warranty claims or further details, please contact the seller directly.

## SUPPORT

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If you encounter any issues or have questions regarding the installation or operation of your Pro Chaser Carburetor, please refer to the troubleshooting section of this manual or consult your chainsaw's original service manual.

For further assistance, you may contact the Pro Chaser customer support through the retailer where the product was purchased.