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Pro Chaser PC23006190

Pro Chaser BC280 Carburetor Instruction Manual

For Cub Cadet SS270, BC210, CS202, CC212, 25cc, 27cc String Trimmers

Introduction

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your Pro Chaser BC280 Carburetor. Please read this manual thoroughly before attempting any installation or maintenance to ensure proper function and safety.

Product Overview

The Pro Chaser BC280 Carburetor is a replacement component designed to restore optimal fuel and air mixture to compatible string trimmers. It is engineered for reliable performance and includes essential accessories for a complete replacement.

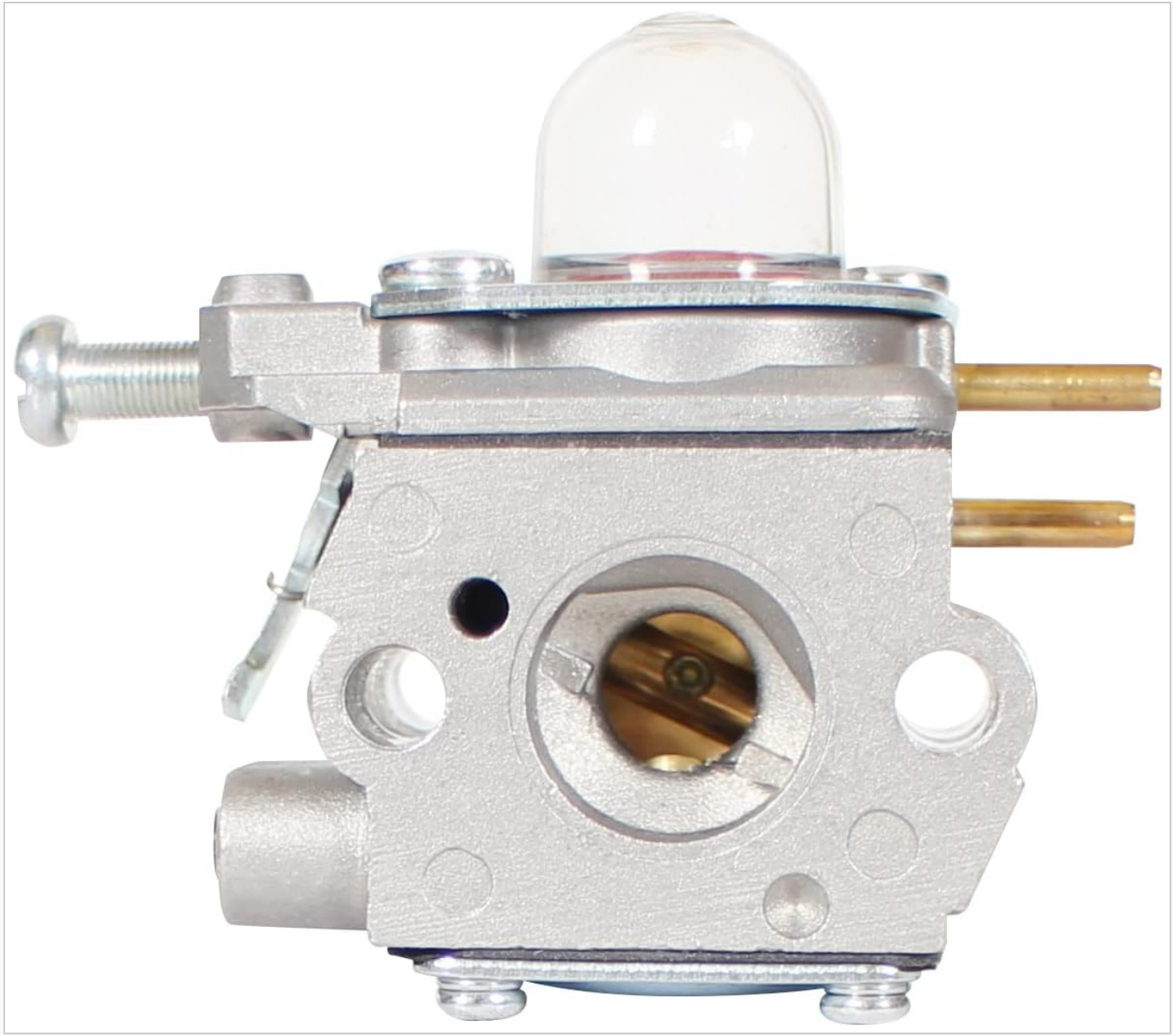

Image: Side view of the Pro Chaser BC280 Carburetor, showing the fuel inlet and adjustment screws.

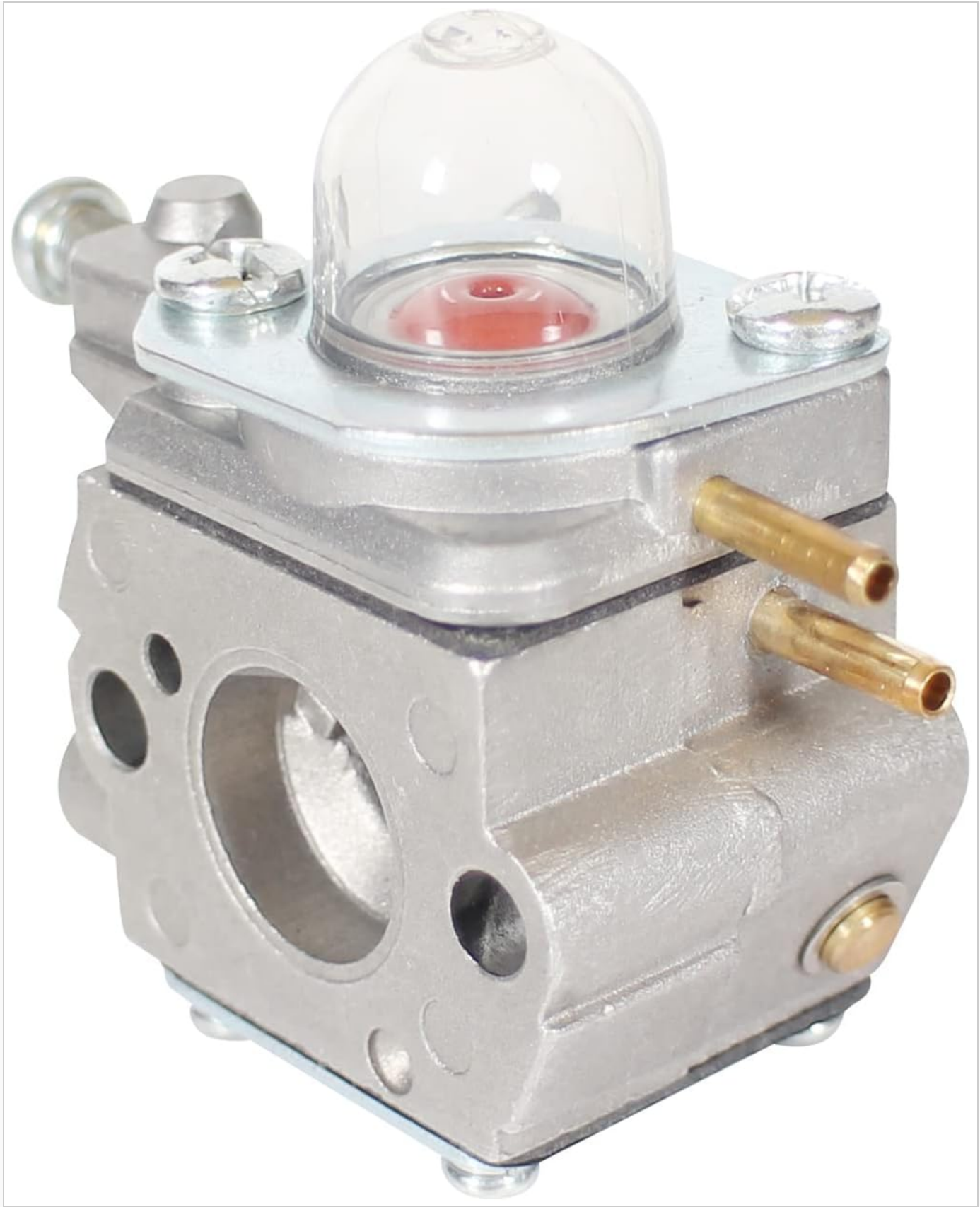

Image: Angled view of the Pro Chaser BC280 Carburetor, highlighting the primer bulb and throttle linkage.

Compatibility

This carburetor is compatible with the following Cub Cadet string trimmer models:

- Cub Cadet SS270
- Cub Cadet BC210

- Cub Cadet BC280
- Cub Cadet CS202
- Cub Cadet CC212
- 25cc and 27cc String Trimmers

Always verify your equipment's model number before purchasing replacement parts.

Package Contents

Your Pro Chaser BC280 Carburetor package includes the following components:



Image: All components included in the Pro Chaser BC280 Carburetor kit. This includes the carburetor, gaskets, primer bulbs, spark plug, fuel hoses, fuel filter, and adjustment tool.

- 1 x Carburetor
- 2 x Gaskets

- 2 x Primer Bulbs
- 1 x Spark Plug
- 2 x Fuel Hoses
- 1 x Fuel Filter
- 1 x Adjustment Tool
- 1 x Air Filter

Safety Information

Always prioritize safety when working with power equipment. Follow these guidelines:

- Disconnect the spark plug wire before performing any maintenance or installation.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Work in a well-ventilated area.
- Handle fuel with extreme care. Avoid spills and ensure no open flames or sparks are nearby.
- Refer to your string trimmer's original owner's manual for specific safety instructions.

Setup and Installation

Installing the Pro Chaser BC280 Carburetor requires careful attention to detail. If you are unsure about any step, consult a qualified technician.

1. **Preparation:** Ensure the engine is cool and the spark plug wire is disconnected. Drain any remaining fuel from the fuel tank.
2. **Remove Old Carburetor:**
    - Locate and remove the air filter cover and air filter.
    - Disconnect the fuel lines from the old carburetor. Note their positions for reinstallation.
    - Remove any throttle linkage or choke connections.
    - Unbolt the old carburetor from the engine manifold. Carefully remove the old gaskets.
3. **Install New Carburetor:**
    - Clean the mounting surfaces on the engine and air filter housing.
    - Place the new gaskets in their correct positions.
    - Mount the new Pro Chaser BC280 Carburetor, ensuring it is seated properly. Secure with bolts, but do not overtighten.
    - Reconnect the throttle linkage and choke connections.
    - Connect the new fuel lines and fuel filter as per the original configuration. Ensure a snug fit to prevent leaks.
    - Install the new air filter and air filter cover.
    - Install the new spark plug.
4. **Fueling:** Refill the fuel tank with the appropriate fuel mixture for your 2-stroke engine.

Your browser does not support the video tag.

Video: This video provides a visual overview of a carburetor and its components, which may assist in understanding the installation process. While titled for Craftsman, the general principles of carburetor replacement are similar.

Operating Instructions

After installation, follow these steps to start and operate your string trimmer:

1. **Prime the Carburetor:** Press the primer bulb several times until fuel is visible in the bulb and flows freely.
2. **Choke Setting:** Set the choke lever to the "Full Choke" position (usually closed).
3. **Starting:** Pull the starter rope firmly until the engine attempts to start or "coughs."
4. **Partial Choke:** Move the choke lever to the "Half Choke" or "Run" position (as indicated by your trimmer's manual).
5. **Restart:** Pull the starter rope again until the engine starts. Allow it to warm up for a few moments.
6. **Idle Adjustment:** If the engine idles too high or too low, use the provided adjustment tool to fine-tune the idle screw. Turn clockwise to increase RPM, counter-clockwise to decrease.
7. **High-Speed Adjustment:** For optimal performance, the high-speed jet may require minor adjustment. This is typically done with the engine running at full throttle. Turn the high-speed screw slowly until the engine runs smoothly without bogging down or over-revving.

Note: *Carburetor adjustment can be sensitive. Make small adjustments and observe engine behavior. Consult your trimmer's manual for specific adjustment procedures.*

Maintenance

Regular maintenance ensures the longevity and performance of your carburetor and string trimmer:

- **Fuel Filter:** Replace the fuel filter annually or more frequently if you notice fuel delivery issues.
- **Air Filter:** Clean or replace the air filter regularly to prevent dirt from entering the carburetor.
- **Spark Plug:** Inspect and replace the spark plug annually or if starting issues occur. Ensure the correct gap.
- **Fuel Lines:** Inspect fuel lines for cracks or leaks. Replace as needed.
- **Fuel Quality:** Use fresh, high-quality fuel mixed with the correct ratio of 2-stroke oil. Avoid leaving fuel in the tank for extended periods, especially during off-season storage.

Troubleshooting

Problem	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel filter, faulty spark plug, incorrect choke setting.	Check fuel level, replace fuel filter, replace spark plug, adjust choke.
Engine runs rough/stalls	Dirty air filter, carburetor out of adjustment, old fuel.	Clean/replace air filter, adjust carburetor idle/high-speed screws, use fresh fuel.
Fuel leaks	Loose fuel lines, damaged primer bulb, faulty gasket.	Tighten connections, replace primer bulb, replace gaskets.
Lack of power	Clogged fuel filter, dirty air filter, carburetor needs adjustment.	Replace fuel filter, clean/replace air filter, adjust carburetor.

Specifications

- **Brand:** Pro Chaser
- **Model:** PC23006190 (Manufacturer Part Number: PC727)
- **Item Weight:** Approximately 7.4 ounces
- **Package Dimensions:** Approximately 6.38 x 5.39 x 2.83 inches

- **Flange Type:** Bolt On
- **UPC:** 736961620116

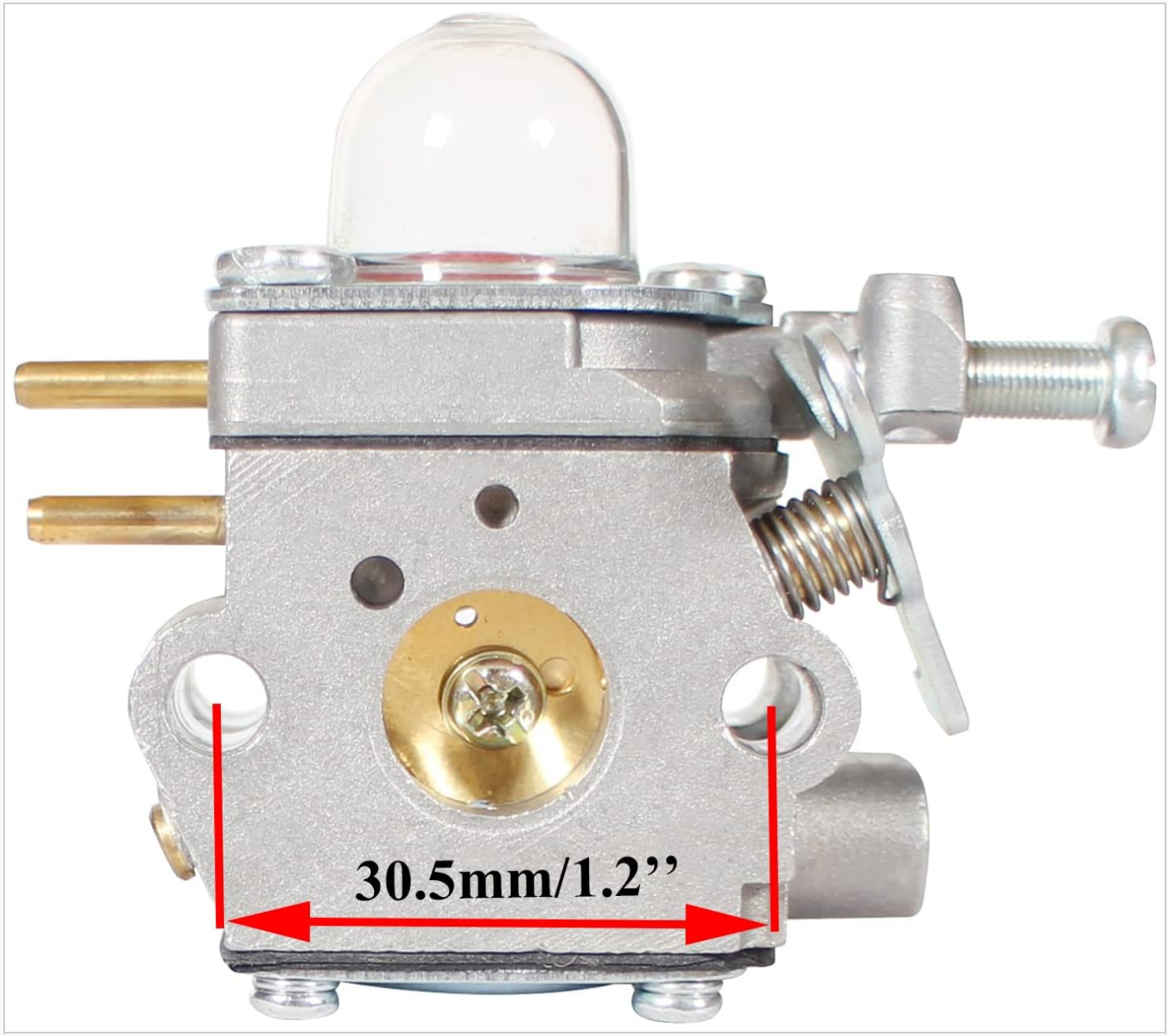

Image: Side view of the Pro Chaser BC280 Carburetor, indicating a mounting dimension of 30.5mm (1.2 inches).

Warranty and Support

Information regarding warranty coverage and customer support for the Pro Chaser BC280 Carburetor is typically provided at the point of purchase or on the manufacturer's official website. Please refer to your purchase documentation or contact Pro Chaser directly for details.

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