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> Pro Chaser Carburetor Instruction Manual for Briggs & Stratton Engines (Models 256427-1162-E1, 256427-1201-E1, 19A402-0199-01, 695501, 695503)

Pro Chaser PC158029

Pro Chaser Carburetor Instruction Manual

Model: PC158029 | Compatible with Briggs & Stratton Engines

INTRODUCTION

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your new Pro Chaser Carburetor. This carburetor is designed as a replacement part for specific Briggs & Stratton engine models, including 256427-1162-E1, 256427-1201-E1, 19A402-0199-01, 695501, and 695503. Please read these instructions thoroughly before proceeding with installation or use to ensure safe and effective performance.

SAFETY INFORMATION

- Always disconnect the spark plug wire and battery (if applicable) before performing any maintenance or installation to prevent accidental engine startup.
- Work in a well-ventilated area. Gasoline and its fumes are highly flammable and can be hazardous.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the engine is cool before working on the carburetor to avoid burns.
- Handle fuel with extreme care. Do not smoke or use open flames near fuel.
- If you are unsure about any installation steps, consult a qualified service technician.

PACKAGE CONTENTS

Verify that all components are present in your package:

- 1 x Carburetor
- 1 x Set of Gaskets
- 1 x Primer Line
- 1 x Shut-off Valve
- 1 x Fuel Filter

SETUP AND INSTALLATION

Proper installation is crucial for the carburetor's performance. Refer to your engine's specific service manual for detailed instructions if available.

Pre-Installation Check and Dimensions

Before installation, carefully compare the new carburetor with your original part. Minor differences in design can affect compatibility. If you are uncertain, contact the seller with clear pictures of your current carburetor from all sides.



Image: Front view of the Pro Chaser carburetor, showing the 54 mm (2.12 inch) intake opening and 7.7 mm (0.3 inch) fuel inlet barb dimensions. This helps verify fitment.



Image: Side view of the Pro Chaser carburetor, highlighting the 54 mm (2.12 inch) dimension across the mounting points for accurate fitment verification.

Installation Steps

1. **Preparation:** Ensure the engine is off and cool. Disconnect the spark plug wire. If applicable, turn off the fuel supply valve and drain any fuel from the tank.
2. **Remove Air Filter Assembly:** Carefully remove the air filter housing and air filter to access the carburetor.
3. **Disconnect Linkages and Fuel Lines:** Note the routing of all fuel lines, throttle linkages, and choke linkages. Take pictures if necessary for reassembly. Disconnect them from the old carburetor.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Be mindful of any gaskets between the carburetor and the engine block/intake manifold.
5. **Clean Mounting Surfaces:** Thoroughly clean any old gasket material from the engine and intake manifold

mounting surfaces to ensure a proper seal.

6. **Install New Gaskets:** Place the new gaskets provided with your Pro Chaser carburetor onto the mounting surfaces as per your engine's design.
7. **Mount New Carburetor:** Carefully position the new Pro Chaser carburetor onto the engine, aligning it with the mounting bolts and gaskets. Securely tighten the mounting bolts, but do not overtighten.
8. **Reconnect Linkages and Fuel Lines:** Reattach all throttle and choke linkages, ensuring they move freely without binding. Connect the new fuel filter, shut-off valve, and primer line as needed, ensuring all connections are secure and leak-free.
9. **Reinstall Air Filter Assembly:** Reattach the air filter housing and air filter.
10. **Final Checks:** Double-check all connections, ensuring no tools or debris are left in the engine area. Reconnect the spark plug wire.

OPERATING INSTRUCTIONS

After successful installation, follow these general steps for initial engine startup:

1. **Add Fresh Fuel:** Fill the fuel tank with fresh, clean gasoline appropriate for your engine. Ensure the fuel shut-off valve is in the 'ON' position.
2. **Prime the Carburetor:** Press the primer bulb (if equipped) several times until fuel is visible in the primer bulb or fuel lines.
3. **Set Choke:** Move the choke lever to the 'FULL CHOKE' position for cold starts.
4. **Start Engine:** Pull the starter rope or engage the electric starter according to your engine's instructions.
5. **Adjust Choke:** As the engine warms up, gradually move the choke lever to the 'OFF' or 'RUN' position.
6. **Monitor Performance:** Listen for smooth engine operation. If the engine runs rough, refer to the troubleshooting section.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your carburetor and engine.

- **Fuel Filter:** Inspect and replace the fuel filter annually or more frequently if fuel contamination is suspected. The included fuel filter should be installed with the carburetor.
- **Fuel Lines:** Check fuel lines for cracks, leaks, or deterioration regularly. Replace damaged lines immediately.
- **Air Filter:** A clean air filter is vital for proper engine operation. Clean or replace the air filter as recommended by your engine manufacturer.
- **Fuel Quality:** Always use fresh, clean gasoline. Stale fuel can cause carburetor issues. Consider using a fuel stabilizer if the engine will be stored for extended periods.
- **Storage:** Before long-term storage, run the engine until it runs out of fuel, or drain the fuel tank and carburetor bowl to prevent fuel degradation and gumming.

TROUBLESHOOTING

If you encounter issues after installing your new carburetor, consider the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel filter, incorrect choke setting, loose spark plug wire.	Check fuel level, replace fuel filter, adjust choke, ensure spark plug wire is secure.
Engine runs rough or stalls	Stale fuel, clogged fuel filter, dirty air filter, vacuum leak (improperly seated gaskets).	Drain and refill with fresh fuel, replace fuel filter, clean/replace air filter, check carburetor mounting and gaskets.
Loss of power	Dirty air filter, restricted fuel flow, engine overload.	Clean/replace air filter, check fuel filter and lines, ensure proper load on engine.
Fuel leak	Loose fuel line connection, damaged fuel line, faulty shut-off valve.	Tighten connections, replace damaged components, ensure shut-off valve is functioning.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional engine repair service.

SPECIFICATIONS

Brand	Pro Chaser
Model Number	PC158029
Compatible Engine Models	Briggs & Stratton 256427-1162-E1, 256427-1201-E1, 19A402-0199-01, 695501, 695503
Included Components	Carburetor, Gaskets, Primer Line, Shut-off Valve, Fuel Filter
Intake Opening Diameter	54 mm (2.12 inches)
Fuel Inlet Barb Height	7.7 mm (0.3 inches)
Exterior Finish	Machined

WARRANTY INFORMATION

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. Please retain your proof of purchase for any warranty claims. The warranty does not cover damage resulting from improper installation, misuse, neglect, or unauthorized modifications.

SUPPORT

For technical assistance, questions regarding compatibility, or warranty claims, please contact the seller or manufacturer directly through the platform where the product was purchased. Provide your product model number (PC158029) and any relevant engine details for faster service.

