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ACTIVLIFE 94202

ACTIVLIFE Carburetor Instruction Manual

For McLane Edger 3.5 HP and Briggs & Stratton Model 94202 Engines

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your new ACTIVLIFE Carburetor. This carburetor is specifically designed for McLane Edger 3.5 HP and Briggs & Stratton Model 94202 engines, ensuring consistent fuel flow and improved engine performance. Please read this manual thoroughly before attempting any installation or operation.

2. Safety Information

Always prioritize safety when working with fuel systems and small engines. Failure to follow safety instructions can result in serious injury or property damage.

- **Fuel Handling:** Gasoline is highly flammable. Always work in a well-ventilated area, away from open flames, sparks, or other ignition sources. Store fuel in approved containers.
- **Engine Heat:** Engines and exhaust components can become extremely hot during operation. Allow the engine to cool completely before performing any maintenance or installation.
- **Eye Protection:** Always wear safety glasses or goggles to protect your eyes from fuel splashes, debris, or other hazards.
- **Gloves:** Wear appropriate gloves to protect your hands from fuel, oil, and sharp edges.
- **Ventilation:** Ensure adequate ventilation when working with fuel or engine fumes.
- **Disconnect Spark Plug:** Before performing any work on the engine, disconnect the spark plug wire to prevent accidental starting.
- **Professional Assistance:** If you are unsure about any step or lack the necessary tools or experience, consult a qualified technician.

3. Package Contents

Verify that all components are present and undamaged upon opening the package.

- 1 x ACTIVLIFE Carburetor (Model 94202 compatible)
- Gaskets (if included with the specific kit)

Image 3.1: Front-side view of the ACTIVLIFE Carburetor. This image displays the main body of the carburetor, including the fuel inlet and throttle linkage points.

4. Setup and Installation

This section outlines the general steps for replacing a carburetor. Specific procedures may vary slightly depending on your exact engine configuration. Refer to your engine's service manual for detailed instructions.

4.1. Tools Required (Common)

- Socket wrench set
- Screwdriver set (flathead and Phillips)
- Pliers
- Fuel line clamps
- Clean rags
- New fuel filter (recommended)

4.2. Installation Steps

1. **Prepare the Engine:** Ensure the engine is cool. Disconnect the spark plug wire. Place a drain pan under the fuel line connection to catch any spilled fuel.
2. **Drain Fuel:** If necessary, drain the fuel tank or clamp the fuel line to prevent fuel leakage.
3. **Remove Air Filter Assembly:** Carefully remove the air filter housing and any associated components to gain access to the carburetor.
4. **Disconnect Linkages and Fuel Line:** Note the routing of all linkages (throttle, choke) and the fuel line. Disconnect them from the old carburetor. Take photos if needed for reassembly.
5. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold. Remove any old gaskets.
6. **Clean Mounting Surface:** Thoroughly clean the engine manifold mounting surface to ensure a proper seal with the new gaskets.
7. **Install New Carburetor:** Place new gaskets on the manifold, then mount the ACTIVLIFE Carburetor. Secure it with the bolts, tightening them evenly.
8. **Reconnect Linkages and Fuel Line:** Reattach the throttle and choke linkages, ensuring they operate smoothly. Connect the fuel line, securing it with a clamp. Consider replacing the fuel filter at this time.
9. **Reinstall Air Filter Assembly:** Reattach the air filter housing and any other components removed earlier.
10. **Reconnect Spark Plug:** Reconnect the spark plug wire.

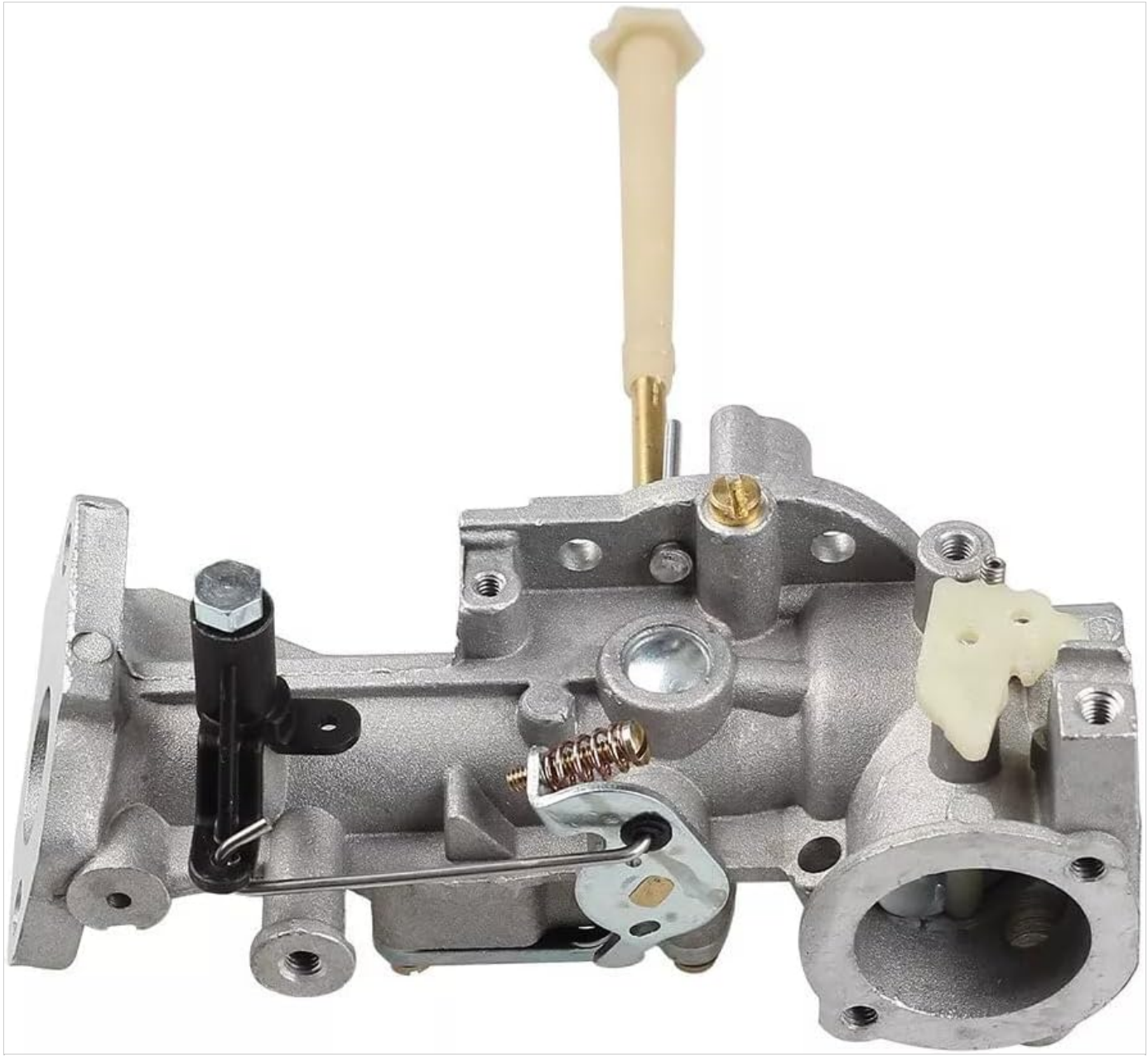

Image 4.1: Top-side view of the ACTIVLIFE Carburetor. This angle highlights the various adjustment screws and linkage points, crucial for proper installation.

5. Operating Instructions

After installation, follow these steps to start your engine.

1. **Add Fuel:** Fill the fuel tank with fresh, clean gasoline.
2. **Prime the Carburetor:** If your engine has a primer bulb, press it several times until fuel is visible in the 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 firmly until the engine attempts to start or runs briefly.
5. **Adjust Choke:** As the engine warms up, gradually move the choke lever to the 'RUN' position.
6. **Idle Adjustment:** Allow the engine to warm up for a few minutes. If the idle speed is too high or too low, adjust the idle screw on the carburetor as needed.

Image 5.1: Side view of the ACTIVLIFE Carburetor, showing the throttle and choke linkages. Proper connection and adjustment of these linkages are essential for engine operation.

6. Maintenance

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

- **Fuel Quality:** Always use fresh, clean, and appropriate octane gasoline. Stale or contaminated fuel is a primary cause of carburetor issues. Consider using a fuel stabilizer if the engine will be stored for extended periods.
- **Fuel Filter:** Regularly inspect and replace the fuel filter according to your engine manufacturer's recommendations. A clogged fuel filter can restrict fuel flow to the carburetor.
- **Air Filter:** Keep the air filter clean. A dirty air filter can restrict airflow, leading to a rich fuel mixture and poor engine performance.
- **Carburetor Cleaning:** If the engine experiences rough running or starting issues, the carburetor may need cleaning. This typically involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and replacing gaskets. This task is best performed by experienced individuals or a professional.
- **Storage:** Before long-term storage, run the engine until it runs out of fuel, or drain the fuel system to prevent fuel degradation and gumming in the carburetor.

7. Troubleshooting

If you encounter issues after installing the new carburetor, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Engine will not start	◦ No fuel in tank ◦ Clogged fuel filter ◦ Improper choke setting ◦ Spark plug issue ◦ Fuel line kinked or blocked	◦ Fill with fresh fuel ◦ Replace fuel filter ◦ Adjust choke to 'FULL CHOKE' for cold start ◦ Check/replace spark plug ◦ Inspect and clear fuel line

Problem	Possible Cause	Solution
Engine runs rough or stalls	◦ Dirty air filter ◦ Stale or contaminated fuel ◦ Idle speed incorrect ◦ Carburetor jets clogged	◦ Clean or replace air filter ◦ Drain old fuel, add fresh fuel ◦ Adjust idle screw ◦ Clean carburetor (professional recommended)
Engine lacks power	◦ Dirty air filter ◦ Carburetor not properly adjusted ◦ Clogged fuel filter	◦ Clean or replace air filter ◦ Check carburetor adjustments ◦ Replace fuel filter

If these troubleshooting steps do not resolve the issue, it is recommended to seek assistance from a qualified small engine mechanic.

8. Specifications

Feature	Detail
Brand	ACTIVLIFE
Model Number	94202
Compatibility	McLane Edger 3.5 HP, Briggs & Stratton Model 94202 Engines
Product Dimensions	10 x 4 x 3 inches
Item Weight	2 pounds
Manufacturer	ACTIVLIFE
UPC	669976647185

9. Warranty and Support

For warranty information or technical support regarding your ACTIVLIFE Carburetor, please refer to the documentation provided with your purchase or contact the seller directly. Ensure you have your purchase details and product model number (94202) available when contacting support.

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