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› FOLIAGE Carburetor Instruction Manual for Briggs & Stratton 282H07, 282H77, 283H07, 284H07, 284H77, 285H07, 286H77 Engines

FOLIAGE 282H07 282H77

FOLIAGE Carburetor Instruction Manual

For Briggs & Stratton 282H07, 282H77, 283H07, 284H07, 284H77, 285H07, 286H77 Engines

1. PRODUCT OVERVIEW

This FOLIAGE carburetor is a replacement component designed to ensure optimal fuel delivery and engine performance for various Briggs & Stratton engines. It is engineered for compatibility and reliable operation.

Compatible Engine Models:

- 282H07
- 282H77
- 283H07
- 284H07
- 284H77
- 285H07
- 286H77



Image 1.1: The FOLIAGE carburetor assembly, including the main carburetor unit, fuel line, clamps, and gaskets.

2. SETUP AND INSTALLATION

Proper installation is crucial for the carburetor's function. If you are unsure about any step, consult a qualified technician.

2.1 Safety Precautions

- Ensure the engine is cool and disconnected from its power source (e.g., spark plug wire removed).
- Work in a well-ventilated area.
- Wear appropriate personal protective equipment, such as gloves and eye protection.
- Have a fire extinguisher nearby when working with fuel.

2.2 Installation Steps

1. **Prepare the Engine:** Turn off the engine and allow it to cool. Disconnect the spark plug wire to prevent accidental starting.
2. **Remove Old Carburetor:** Carefully disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Remove the mounting bolts and detach the old carburetor. Note the orientation of all components for reassembly.
3. **Clean Mounting Area:** Clean any debris or old gasket material from the engine's mounting surface to ensure a

proper seal.

4. **Install New Gaskets:** Place new gaskets (included in the kit) on the engine's mounting studs, ensuring they align correctly with the intake ports.
5. **Mount New Carburetor:** Position the new FOLIAGE carburetor onto the mounting studs, aligning it with the gaskets. Secure it with the mounting bolts, tightening them evenly to the manufacturer's specifications (refer to your engine's service manual for torque values).
6. **Connect Linkages:** Reattach the throttle and choke linkages to the new carburetor. Ensure they move freely and operate correctly.
7. **Connect Fuel Line:** Attach the fuel line to the carburetor's fuel inlet. Use new clamps (if provided) to secure the connection and prevent leaks.
8. **Final Checks:** Double-check all connections for tightness and proper routing. Reconnect the spark plug wire.

3. OPERATING INSTRUCTIONS

After installation, follow these general steps to start and operate your engine with the new carburetor.

1. **Fuel Supply:** Ensure the fuel tank contains fresh, clean fuel appropriate for your engine. Open the fuel shut-off valve if present.
2. **Choke Operation:** For a cold engine, set the choke to the 'FULL CHOKE' position. For a warm engine, the choke may not be necessary or only require a partial choke.
3. **Throttle Setting:** Set the throttle to the 'FAST' or 'START' position.
4. **Starting the Engine:** Engage the starter (pull cord or electric starter) according to your engine's instructions.
5. **Adjusting Choke:** Once the engine starts and runs smoothly, gradually move the choke lever to the 'RUN' or 'OFF' position. If the engine falters, return the choke to a slightly richer setting until it runs smoothly, then slowly move it to 'RUN'.
6. **Warm-up:** Allow the engine to warm up for a few minutes before applying a load.

4. MAINTENANCE

Regular maintenance of your carburetor and fuel system will extend its lifespan and ensure consistent engine performance.

- **Fuel Quality:** Always use fresh, clean fuel. Stale or contaminated fuel is a common cause of carburetor issues. Consider using a fuel stabilizer if the engine will be stored for extended periods.
- **Fuel Filter:** Inspect and replace the fuel filter regularly according to your engine's maintenance schedule. A clogged fuel filter can restrict fuel flow to the carburetor.
- **Air Filter:** Ensure the air filter is clean and free of debris. A dirty air filter can cause a rich fuel mixture and poor engine performance.
- **Carburetor Cleaning:** If the engine experiences rough idling, stalling, or difficulty starting, the carburetor may need cleaning. This typically involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and replacing gaskets. This procedure should only be performed by individuals with mechanical experience.
- **Storage:** Before long-term storage, drain the fuel system or run the engine until it runs out of fuel to prevent fuel degradation and gumming in the carburetor.

5. TROUBLESHOOTING

Refer to this section for common issues and potential solutions related to carburetor performance.

Symptom	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel filter, incorrect choke setting, dirty carburetor jets	Check fuel level, replace fuel filter, adjust choke, clean carburetor
Engine runs rough or stalls	Dirty carburetor, old fuel, air filter clogged, fuel line obstruction	Clean carburetor, use fresh fuel, clean/replace air filter, check fuel lines
Engine lacks power	Clogged air filter, partially clogged carburetor, incorrect engine speed adjustment	Clean/replace air filter, clean carburetor, adjust engine speed
Fuel leaks from carburetor	Damaged float, worn needle valve, loose bowl screws, damaged gasket	Inspect and replace float/needle valve, tighten screws, replace gaskets

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

6. SPECIFICATIONS

- **Brand:** FOLIAGE
- **Compatible Engine Models:** 282H07, 282H77, 283H07, 284H07, 284H77, 285H07, 286H77
- **Product Dimensions:** Approximately 5"D x 5"W x 5"H
- **Exterior Finish:** Aluminum
- **Included Components:** Carburetor, fuel line, clamps, gaskets
- **UPC:** 689722632364
- **ASIN:** B0DMTSQC32

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