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› Pro Chaser Carburetor Instruction Manual for MTD Snow Blower Models 317E640F000 and 31AE665E118

Pro Chaser 317E640F000, 31AE665E118

Pro Chaser Carburetor Instruction Manual

For MTD Snow Blower 8hp 26" Models 317E640F000 and 31AE665E118

Brand: Pro Chaser

INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your new Pro Chaser Carburetor. Please read this manual thoroughly before attempting any installation or operation to ensure proper function and safety. Retain this manual for future reference.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Carburetor
- 2 x Fuel Hose
- 1 x Fuel Filter
- 1 x Shut Off Valve
- 1 x Primer
- Gaskets (as included in the original packaging)



Figure 1: Complete package contents including the carburetor, fuel hoses, fuel filter, shut-off valve, and primer.

COMPATIBILITY

This Pro Chaser Carburetor is designed as a replacement part for the following MTD Snow Blower models:

- MTD Snow Blower 8hp 26" Model 317E640F000
- MTD Snow Blower 8hp 26" Model 31AE665E118

Please verify your snow blower's model number before installation to ensure compatibility.

SAFETY INFORMATION

- Always disconnect the spark plug wire before performing any maintenance or installation.
- Ensure the engine is cool before working on the carburetor.
- Work in a well-ventilated area. Fuel vapors are flammable.
- Wear appropriate personal protective equipment (PPE), such as gloves and eye protection.
- Dispose of old fuel and parts responsibly according to local regulations.

SETUP AND INSTALLATION

Replacing a carburetor requires mechanical aptitude. If you are unsure about any step, consult a qualified technician.

1. Preparation:

- Turn off the snow blower and disconnect the spark plug wire.
- Close the fuel shut-off valve (if equipped) and drain the fuel tank into an approved container.
- Remove any covers or shrouds that obstruct access to the carburetor.

2. Disconnecting the Old Carburetor:

- Carefully disconnect the fuel line, throttle linkage, and choke linkage from the old carburetor. Note their positions for reassembly.
- Remove the mounting bolts or nuts securing the carburetor to the engine.
- Remove the old carburetor and any old gaskets.

3. Installing the New Carburetor:

- Ensure the mounting surfaces are clean. Install new gaskets provided with the Pro Chaser Carburetor.
- Mount the new carburetor onto the engine, securing it with the original bolts/nuts. Do not overtighten.
- Reconnect the throttle linkage, choke linkage, and fuel line to their correct positions. Use the new fuel hose and shut-off valve if replacing.
- Install the new fuel filter in the fuel line, ensuring the flow direction is correct.
- Connect the new primer bulb if replacing.

4. Final Steps:

- Replace any covers or shrouds removed earlier.
- Refill the fuel tank with fresh, appropriate fuel.
- Open the fuel shut-off valve.
- Reconnect the spark plug wire.

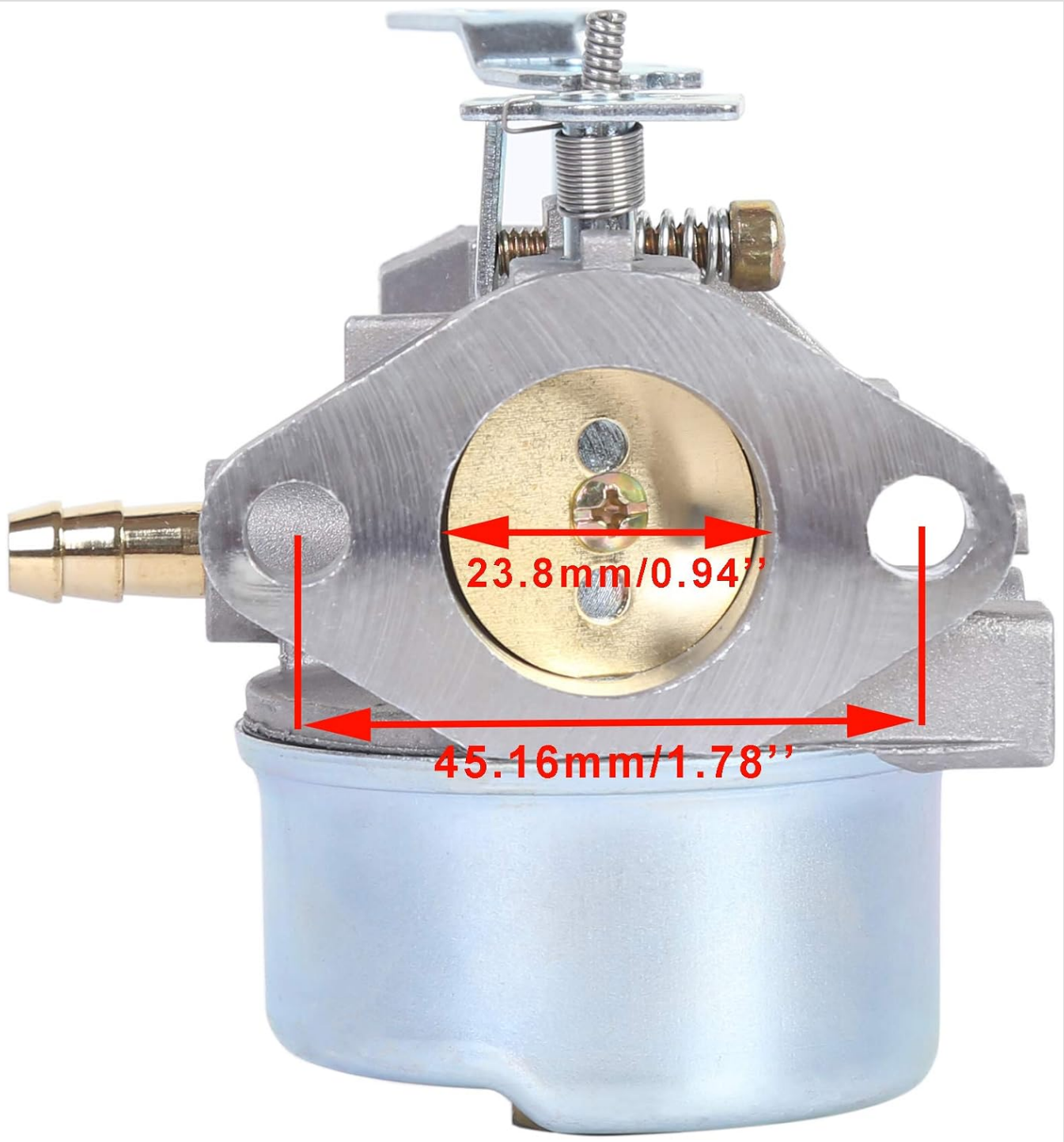


Figure 2: Front view of the carburetor with key dimensions (23.8mm / 0.94" and 45.16mm / 1.78").

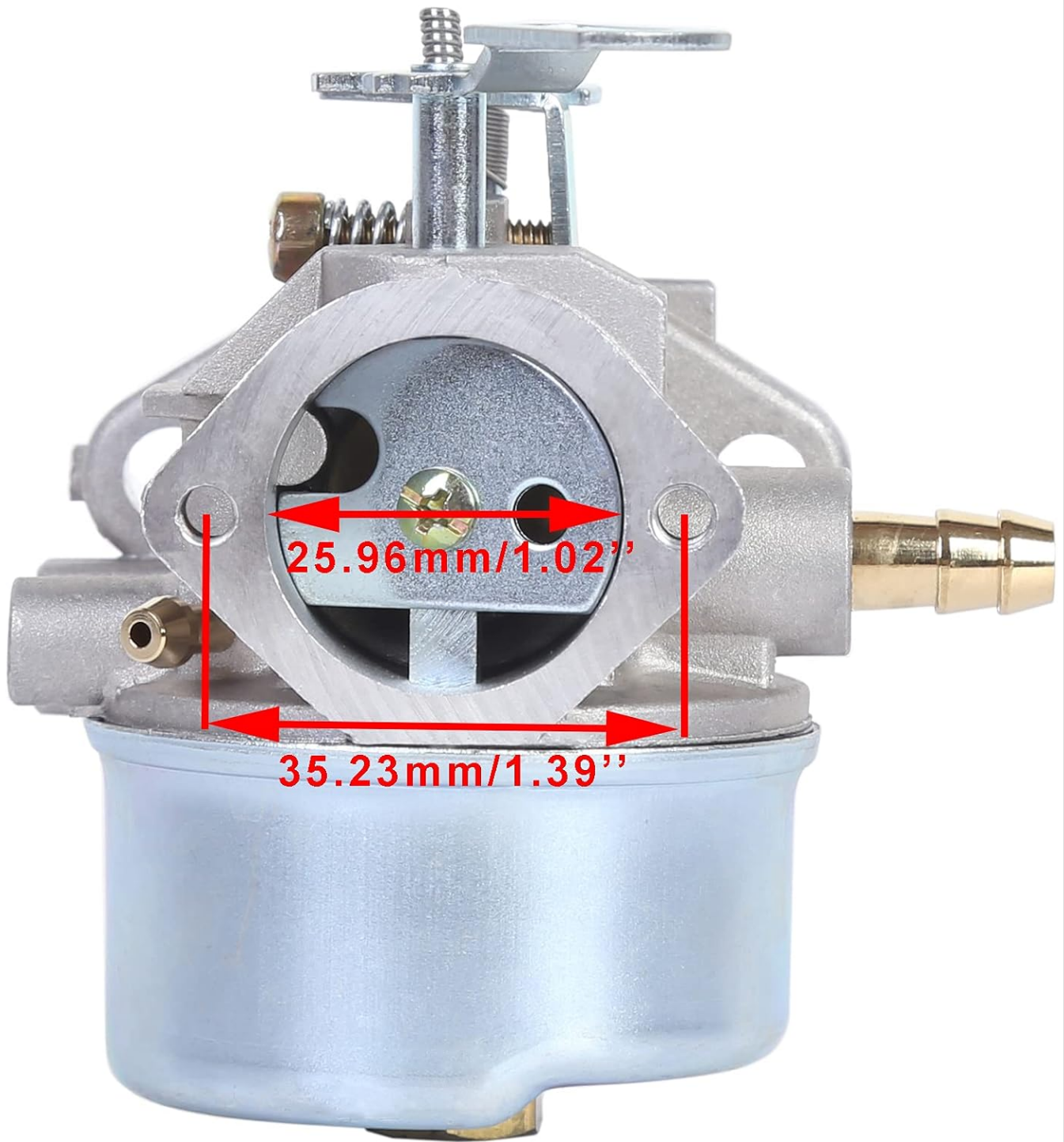


Figure 3: Side view of the carburetor with key dimensions (25.96mm / 1.02" and 35.23mm / 1.39").

OPERATING INSTRUCTIONS (AFTER CARBURETOR REPLACEMENT)

After successful installation, follow your snow blower's manufacturer instructions for starting and operating the engine. The new carburetor should provide proper fuel-air mixture for optimal performance.

- **Priming:** Press the primer bulb several times until fuel is visible in the fuel line or bulb.
- **Choke:** Set the choke to the "FULL" or "START" position for cold starts.
- **Throttle:** Set the throttle to the "FAST" or "START" position.
- **Starting:** Pull the recoil starter rope or engage the electric starter.
- **Warm-up:** Once the engine starts, gradually move the choke to the "RUN" position as the engine warms up.

MAINTENANCE

Regular maintenance ensures the longevity and performance of your carburetor and snow blower.

- **Fuel System:** Use fresh, clean fuel. Stale fuel can cause carburetor issues. Consider using a fuel stabilizer.
- **Fuel Filter:** Inspect and replace the fuel filter annually or if it appears clogged.
- **Carburetor Cleaning:** If the engine runs poorly, the carburetor may need cleaning. This typically involves disassembling, cleaning jets and passages with carburetor cleaner, and replacing gaskets. This should be performed by a knowledgeable individual.
- **Storage:** Before long-term storage, drain the fuel system or run the engine until it runs out of fuel to prevent fuel degradation and carburetor clogging.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel, clogged fuel filter, incorrect choke setting, no spark.	Check fuel level, replace fuel filter, adjust choke, check spark plug.
Engine runs rough or stalls	Clogged carburetor jet, old fuel, air leak.	Clean carburetor, use fresh fuel, check for loose connections/gaskets.
Fuel leaks from carburetor	Damaged float, worn needle valve, loose bowl screw, damaged gasket.	Inspect and replace float/needle valve, tighten screws, replace gaskets.
Engine lacks power	Partially clogged carburetor, air filter dirty.	Clean carburetor, clean/replace air filter.

SPECIFICATIONS

Feature	Detail
Brand	Pro Chaser
Recommended Use	Snowblower
Exterior Finish	Machined
UPC	780861314101
Compatible MTD Models	317E640F000, 31AE665E118

WARRANTY INFORMATION

Specific warranty details for this Pro Chaser Carburetor are not provided in this manual. Please refer to the product packaging or contact the seller directly for information regarding warranty coverage and terms.

SUPPORT

For technical assistance or further inquiries, please contact the seller or manufacturer through the platform where the product was purchased. Ensure you have your product model number and purchase details available when seeking support.

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