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› Pro Chaser Carburetor Instruction Manual for MTD Yard Machines 208cc Two-Stage Snow Blower

Pro Chaser Carburetor for MTD Snow Blower

Pro Chaser Carburetor Instruction Manual

Brand: Pro Chaser | **Model:** Carburetor for MTD Snow Blower

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your new Pro Chaser Carburetor. This carburetor is designed as a replacement part for various MTD Yard Machines 208cc two-stage snow blower models.

Compatible Models:

- MTD Yard Machines 31AM63EF700
- MTD Yard Machines 31AM63FF752
- MTD Yard Machines 31AS63EE700
- MTD Yard Machines 31A-32AD729
- MTD Yard Machines 31BM63LF704
- MTD Yard Machines 31AH62EE000
- MTD Yard Machines 31A-63BD700
- 24" and 26" 208cc Two-Stage Snow Blowers

2. 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 Bulb
- Gaskets (various sizes)
- Clamps

3. Take photos of the existing fuel line connections and linkages for reference during reassembly.

3.3 Removal of Old Carburetor

1. Carefully disconnect the fuel lines from the carburetor.
2. Remove any air filter housing or covers that obstruct access to the carburetor.
3. Disconnect the throttle linkage and choke linkage from the carburetor.
4. Unbolt the carburetor from the engine manifold. Note the position of any gaskets.

3.4 Installation of New Carburetor

1. Ensure the mounting surfaces on the engine and carburetor are clean and free of debris.
2. Install new gaskets between the carburetor and the engine manifold.
3. Mount the new carburetor to the engine, securing it with the appropriate bolts. Do not overtighten.
4. Reconnect the throttle and choke linkages, referring to your reference photos.
5. Install the new fuel filter and shut-off valve in the fuel line, ensuring correct flow direction.
6. Connect the new fuel hoses to the carburetor, fuel filter, shut-off valve, and fuel tank. Secure all connections with clamps.
7. Install the new primer bulb if replacing the old one.
8. Reinstall any air filter housing or covers removed earlier.



hand-measured for your reference

Image 3.1: Front view of the carburetor with key dimensions for reference during installation.

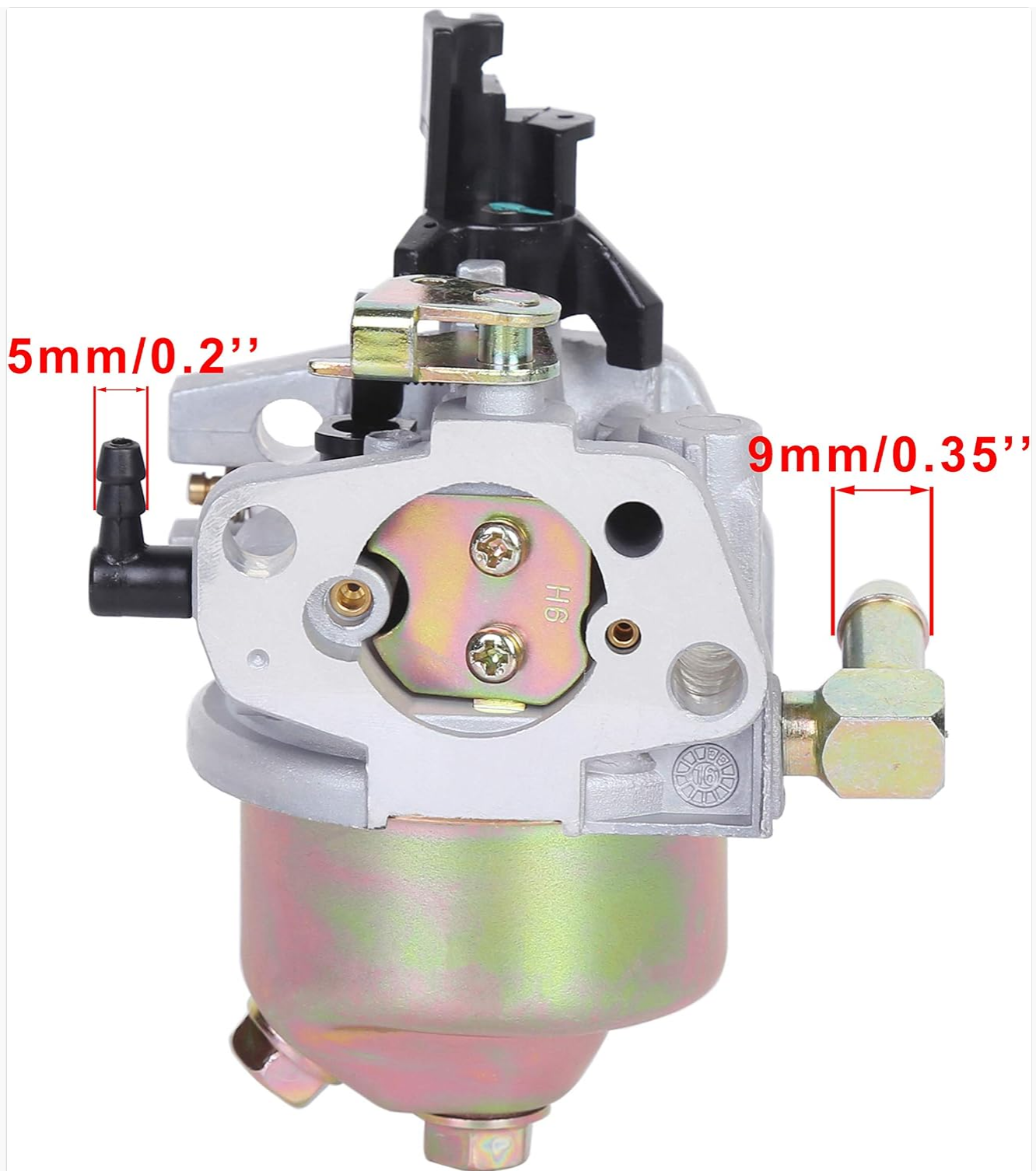


Image 3.2: Side view of the carburetor with additional dimensions for precise fitment.

3.5 Visual Aid: Carburetor Overview and Components

Your browser does not support the video tag.

Video 3.1: A detailed overview of the Pro Chaser PC210705 Carburetor, showcasing its various angles, dimensions, and the components included in the package. This video can assist in identifying parts during installation.

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Video 3.2: An in-depth look at the Huayi 170SD Carburetor, including its internal structure and components. This visual guide can be helpful for understanding the carburetor's design and function during installation and maintenance.

4. OPERATING INSTRUCTIONS

After successful installation of the carburetor, follow your snow blower's manufacturer's instructions for starting and operating the engine. The carburetor's function is to mix air and fuel for combustion; its operation is integrated with the engine's overall system.

1. Fill the fuel tank with fresh, clean gasoline.
2. Open the fuel shut-off valve.
3. Prime the engine by pressing the primer bulb several times until fuel is visible in the primer bulb or fuel lines.
4. Set the choke to the 'FULL CHOKE' position.
5. Set the throttle to the 'FAST' position.
6. Pull the starter cord or engage the electric starter until the engine starts.
7. Once the engine starts, gradually move the choke to the 'RUN' position as the engine warms up.

5. MAINTENANCE

Regular maintenance of your carburetor and fuel system will ensure reliable performance and extend the life of your snow blower.

5.1 Fuel System Care

- Always use fresh, clean gasoline. Stale fuel can cause carburetor issues.
- Consider using a fuel stabilizer, especially during storage periods.
- Regularly inspect fuel lines for cracks or leaks and replace as needed.
- Replace the fuel filter annually or more frequently if operating in dusty conditions.

5.2 Carburetor Cleaning

If the carburetor becomes clogged or dirty, it may require cleaning. This typically involves disassembling the carburetor, cleaning jets and passages with carburetor cleaner, and replacing gaskets.

- Remove the carburetor from the engine (refer to Section 3.3).
- Carefully disassemble the carburetor, noting the position of all components, especially the float and jets.
- Spray all passages and jets with a dedicated carburetor cleaner. Ensure all openings are clear.
- Replace any worn or damaged gaskets.
- Reassemble the carburetor and reinstall it on the engine.

6. TROUBLESHOOTING

Below are common issues related to carburetors and potential solutions:

Problem	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel filter, clogged carburetor jet, faulty primer bulb.	Check fuel level, replace fuel filter, clean carburetor, replace primer bulb.
Engine runs rough or stalls	Dirty carburetor, incorrect fuel mixture, air leak.	Clean carburetor, check for proper choke/throttle settings, inspect gaskets for leaks.
Fuel leaks from carburetor	Damaged float, worn needle valve, loose bowl screws, damaged gasket.	Inspect and replace float/needle valve, tighten screws, replace bowl gasket.

7. SPECIFICATIONS

- **Brand:** Pro Chaser
- **Item Weight:** 12 ounces
- **Package Dimensions:** 4.29 x 3.58 x 2.91 inches
- **Manufacturer Part Number:** Snow Blower (General)
- **Exterior:** Machined
- **UPC:** 709345780140
- **Recommended Uses:** Snowblower

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Pro Chaser directly through their official channels or the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question