

[Manuals.plus](#) /

› [Pro Chaser](#) /

› Pro Chaser XT675 Carburetor Instruction Manual for Toro Recycler Lawn Mowers with Kohler XT675/XT650 Engines (Model PC210368)

Pro Chaser PC210368

Pro Chaser XT675 Carburetor Instruction Manual

Model: PC210368

1. INTRODUCTION

This manual provides essential information for the installation, operation, maintenance, and troubleshooting of your Pro Chaser XT675 Carburetor, Model PC210368. This carburetor is designed as a replacement part for specific Toro Recycler Lawn Mowers equipped with Kohler XT675, XT650, XT6.5, XT6.75 series engines.

Proper installation and maintenance are crucial for optimal engine performance and longevity. Please read this manual thoroughly before proceeding with any installation or service.

2. COMPATIBILITY

The Pro Chaser PC210368 Carburetor is compatible with the following models and engine specifications:

- **Toro Recycler Lawn Mower Models:** 20371, 20377, 20378, 20171 (22-inch models)
- **Kohler Engine Series:** XT675, XT650, XT6.5, XT6.75 (6.5hp, 6.75hp, 149cc engines)
- **Specific Kohler Engine Models:** XT650-2027, XT650-2029, XT650-2031, XT650-3018, XT650-3028, XT650-3030, XT650-3034, XT675-0041, XT675-2034, XT675-2037, XT675-2044, XT675-2070, XT675-2075, XT675-3035, XT675-3038, XT675-3043, XT675-3045, XT675-3066, XT675-3071, XT675-3076, XT675-3085, XT675-3086
- **Replaces Kohler Part Numbers:** 14 853 68-S, 1485368S, 14 853 68, 1485368, 14 853 55-S

Important Note on Similar Models: There are two similar carburetor models (PC210368 and PC148355) that replace Kohler XT-675/XT650/XT6.5/XT6.75 engines. It is critical to verify the linkage type on your original carburetor before installation. The PC210368 model features a **fixed hole connection** for the top linkage, as shown in the image below. The PC148355 model has a sliding track connection.

Distinguish Between Similar Carburetors

Please check the top setup of your original carburetor before ordering

PC210368

(Model in Current Listing Page)



Fixed Hole Connection

PC148355

(Scroll Down for Buying Link)



Sliding Track Connection

Replaces Kohler XT-675 XT650 XT6.5 XT6.75

Image 2.1: Comparison of PC210368 (left) and PC148355 (right) carburetor top linkages. Ensure your original carburetor matches the fixed hole connection of PC210368.

3. PACKAGE CONTENTS

Your Pro Chaser XT675 Carburetor package (Model PC210368) includes the following components:

- 1 x Carburetor (Model PC210368)
- 3 x Mounting Gaskets
- 1 x Fuel Hose
- 1 x Air Filter
- 1 x Spark Plug
- 1 x Shut Off Valve



Image 3.1: All components included in the Pro Chaser XT675 Carburetor kit.

4. SETUP AND INSTALLATION

Safety First: Before beginning any work on your lawn mower, ensure the engine is cool, the spark plug wire is disconnected to prevent accidental starting, and the fuel tank is drained or the fuel line is clamped off to prevent spills.

1. **Preparation:** Gather necessary tools (wrenches, screwdrivers, pliers, fuel line clamps). Ensure you are working in a well-ventilated area.
2. **Remove Air Filter Assembly:** Disconnect and remove the existing air filter housing and air filter.
3. **Disconnect Fuel Line:** Carefully disconnect the fuel line from the old carburetor. Be prepared for residual fuel to spill.
4. **Disconnect Linkages:** Note the routing and connection points of all throttle and choke linkages to the old carburetor. Disconnect them. Taking photos can be helpful.

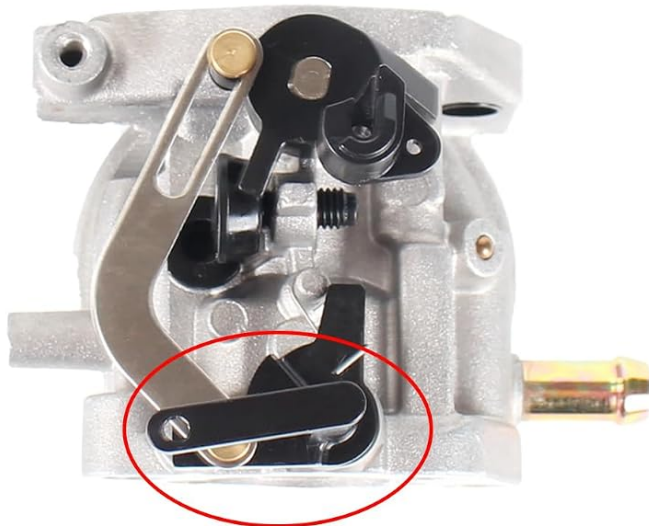
5. **Remove Old Carburetor:** Unbolt the old carburetor from the engine. Remove any old gaskets.
6. **Install New Gaskets:** Place the new mounting gaskets in their correct positions between the engine, carburetor, and air filter housing.
7. **Install New Carburetor:** Mount the new Pro Chaser PC210368 carburetor onto the engine, ensuring the fixed hole connection for the top linkage is correctly aligned. Secure with bolts, but do not overtighten.
8. **Reconnect Linkages:** Reattach all throttle and choke linkages to the new carburetor in the same manner as they were removed. Verify smooth operation.
9. **Install New Fuel Line and Shut-Off Valve:** Replace the old fuel hose with the new one provided. Install the new shut-off valve in an accessible location in the fuel line. Install the new fuel filter, ensuring the 'IN' and 'OUT' directions are correct. Secure all connections with clamps.
10. **Install New Air Filter and Spark Plug:** Insert the new air filter into the air filter housing. Replace the old spark plug with the new one provided.
11. **Final Checks:** Double-check all connections, ensuring they are secure and free of leaks. Reconnect the spark plug wire.

Distinguish Between Similar Carburetors

Please check the top setup of your original carburetor before ordering

PC210368

(Model in Current Listing Page)



Fixed Hole Connection

PC148355

(Scroll Down for Buying Link)



Sliding Track Connection

Replaces Kohler XT-675 XT650 XT6.5 XT6.75

Image 4.1: Overview of the Pro Chaser XT675 Carburetor, showing key connection points.



Image 4.2: Side view of the carburetor with key dimensions (e.g., 40mm / 1.57" mounting hole spacing, 9mm / 0.35" fuel inlet diameter).

105.8mm/4.16"

89.3mm/3.51"



Image 4.3: Dimensions of the included air filter (approx. 89.3mm / 3.51" x 105.8mm / 4.16").



Image 4.4: Dimensions of the included fuel filter (approx. 48.6mm / 1.91" length, 7.3mm / 0.28" inlet/outlet diameter).

5. OPERATING PRINCIPLES

The carburetor is a vital component responsible for mixing air and fuel in the correct proportions for combustion in the engine. It atomizes fuel and mixes it with air, then regulates the flow of this mixture into the engine's cylinders. The XT675 carburetor is designed to provide the optimal air-fuel ratio for your Kohler engine, ensuring efficient starting and smooth operation.

Once installed, the carburetor operates automatically based on engine demand, controlled by the throttle and choke linkages. No manual adjustments are typically required for this replacement unit under normal operating conditions.

6. MAINTENANCE

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

- **Fuel Quality:** Always use fresh, clean gasoline. Stale or contaminated fuel can clog carburetor passages. Consider using a fuel stabilizer, especially during storage.
- **Fuel Filter:** Regularly inspect and replace the fuel filter (included in this kit) to prevent debris from reaching the carburetor.
- **Air Filter:** Clean or replace the air filter (included in this kit) as recommended by your lawn mower's manufacturer. A

dirty air filter restricts airflow, leading to a rich fuel mixture and poor engine performance.

- **Spark Plug:** Inspect and replace the spark plug (included in this kit) periodically to ensure proper ignition.
- **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.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Engine will not start or starts with difficulty	• Incorrect choke/throttle position • No fuel or stale fuel • Clogged fuel filter • Dirty air filter • Faulty spark plug • Improperly connected linkages	• Verify choke/throttle settings • Ensure fresh fuel is in tank • Replace fuel filter • Clean/replace air filter • Inspect/replace spark plug • Check all linkage connections for proper movement
Engine runs rough or stalls	• Dirty air filter • Contaminated fuel • Loose carburetor mounting • Incorrect linkage adjustment	• Clean/replace air filter • Drain and refill with fresh fuel • Check carburetor mounting bolts for tightness • Verify linkage movement and connection
Fuel leaks from carburetor	• Improperly seated gaskets • Loose fuel line connections • Float valve issue (rare for new carb)	• Ensure gaskets are correctly installed and carburetor is tightened evenly • Check fuel hose clamps and connections • If persistent, inspect float bowl and needle valve for debris or defect

If troubleshooting steps do not resolve the issue, it is recommended to consult a qualified small engine technician.

8. SPECIFICATIONS

- **Brand:** Pro Chaser
- **Model:** PC210368
- **Vehicle Service Type:** Lawn Mower
- **Flange Type:** Bolt On
- **Item Weight:** Approximately 12 ounces

- **Package Dimensions:** Approximately 4.65 x 4.02 x 3.27 inches
- **Manufacturer Part Number:** PC148355 (Note: This refers to the manufacturer's internal part number, while PC210368 is the specific model variant for this listing)
- **UPC:** 723258010897

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support, please contact the seller or manufacturer directly through your purchase platform. Keep your purchase receipt or order number handy for faster service.

© 2025 Pro Chaser. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

Open the live page

<https://manuals.plus/asin/B091PHSNR3>

More documents and user manuals: <https://manuals.plus/>