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Pro Chaser PC144853

Pro Chaser TB130 Carburetor Kit Instruction Manual

Model: PC144853

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Pro Chaser TB130 Carburetor Kit. This kit is designed as a replacement part for specific Troy Bilt and MTD Yard Man lawn mower models to restore optimal engine performance. Please read this manual thoroughly before attempting any installation or maintenance.

2. Safety Information

Always prioritize safety when working with fuel systems and internal combustion engines. Failure to follow these safety guidelines may result in personal injury or damage to equipment.

- **Disconnect Spark Plug:** Before beginning any work, always disconnect the spark plug wire to prevent accidental engine starting.
- **Fuel Handling:** Gasoline is highly flammable. Work in a well-ventilated area, away from open flames, sparks, or other ignition sources. Do not smoke.
- **Eye Protection:** Wear safety glasses to protect your eyes from fuel splashes or debris.
- **Gloves:** Wear appropriate gloves to protect your hands from fuel and other chemicals.
- **Engine Cool Down:** Allow the engine to cool completely before working on it to prevent burns.
- **Proper Disposal:** Dispose of old fuel and parts according to local regulations.

3. Compatibility

This carburetor kit is compatible with the following lawn mower models:

- **Troy Bilt:** TB130, 11A-B29Q711, 11A-542Q711, TB260, 12AI832Q711
- **MTD Yard Man:** 11A-422Q713, 11B-439Q755, 12A-568Q701, 12AVD39Q701, 11A-B29Q701, 11A-588Q795, 11A5490755

Please verify your specific model number before installation to ensure proper fitment.

4. Package Contents

The Pro Chaser TB130 Carburetor Kit includes the following components:

- 1 x Carburetor
- 1 x Air Filter

- 1 x Pre-filter
- 1 x Spark Plug
- 1 x Fuel Filter
- 3 x Gaskets
- 1 x Fuel Line
- 2 x Clamps

Image: All components included in the Pro Chaser TB130 Carburetor Kit.

5. Setup and Installation

This section outlines the general steps for replacing your lawn mower's carburetor. Specific procedures may vary slightly by model. If you are unsure, consult your lawn mower's service manual or a qualified technician.

5.1 Preparation

1. Ensure the engine is cool.
2. Disconnect the spark plug wire.
3. Place a suitable container under the fuel tank and carburetor to catch any spilled fuel.
4. Turn off the fuel supply valve, if equipped, or clamp the fuel line.

5.2 Removing the Old Carburetor

1. Remove the air filter housing and air filter.
2. Carefully disconnect the fuel line from the carburetor.
3. Disconnect any throttle linkage, choke linkage, or governor springs attached to the carburetor. Note their positions for reassembly.
4. Unbolt the carburetor from the engine intake manifold. Remove the old gaskets.

5.3 Installing the New Carburetor

1. Ensure the mounting surfaces on the engine and carburetor are clean.
2. Place new gaskets in their correct positions between the engine, insulator (if present), and the new carburetor.
3. Mount the new carburetor to the engine, ensuring all linkages and springs are correctly reattached. Refer to your notes or photos taken during disassembly.
4. Connect the new fuel line (if replacing) and fuel filter. Secure with clamps.
5. Install the new air filter and pre-filter into the air filter housing, then reattach the housing.
6. Replace the old spark plug with the new one provided in the kit.

5.4 Post-Installation

1. Reconnect the spark plug wire.
2. Open the fuel supply valve. Check for any fuel leaks.
3. Start the engine. It may take a few pulls for fuel to reach the carburetor.
4. Allow the engine to warm up. If the engine runs rough or idles incorrectly, minor idle speed adjustments may be necessary.

Image: Front view of carburetor showing 44mm/1.75" mounting width and 6mm/0.25" fuel line barb.

Image: Rear view of carburetor showing 44mm/1.75" mounting width and 6mm/0.25" fuel line barb.



Image: Side profile of the carburetor.



Image: Top view of the carburetor showing linkage points.

6. Operating

After successful carburetor installation, operate your lawn mower according to its original manufacturer's instructions. Ensure the engine starts smoothly, idles steadily, and responds correctly to throttle input. If any issues arise, refer to the troubleshooting section.

7. Maintenance

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

- **Fuel Quality:** Always use fresh, clean gasoline. Stale fuel can cause carburetor clogging. Consider using a fuel stabilizer, especially during storage periods.
- **Fuel Filter:** Replace the fuel filter annually or more frequently if operating in dusty conditions.
- **Air Filter:** Clean or replace the air filter regularly as per your lawn mower's manual. A dirty air filter can cause rich fuel mixtures and poor engine performance.
- **Spark Plug:** Inspect and replace the spark plug annually or as needed.
- **Storage:** Before long-term storage, either run the engine until it runs out of fuel or drain the fuel tank and carburetor bowl to prevent fuel degradation and gumming.

8. Troubleshooting

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

Problem	Possible Cause	Solution
Engine won't start	No fuel, clogged fuel filter, spark plug issue, incorrect choke setting, air leak.	Check fuel level, replace fuel filter, check spark plug for spark, ensure choke is set correctly, check for loose connections or damaged gaskets.
Engine runs rough/stalls	Dirty air filter, fuel quality, idle speed incorrect, air leak.	Clean/replace air filter, use fresh fuel, adjust idle screw, check for air leaks around carburetor mounting.
Engine lacks power	Dirty air filter, spark plug issue, fuel delivery problem.	Clean/replace air filter, replace spark plug, ensure fuel flows freely to carburetor.
Fuel leaks	Loose fuel line, damaged gasket, float bowl issue.	Tighten fuel line clamps, replace gaskets, inspect carburetor float and needle valve.

9. Specifications

- **Brand:** Pro Chaser
- **Model Number:** PC144853
- **Vehicle Service Type:** Lawn Mower
- **Fuel Type:** Gasoline

- **Flange Type:** Bolt On
- **Exterior Finish:** Aluminum
- **OEM Equivalent Part Number:** 11A-542Q711 (and others listed in compatibility)
- **UPC:** 748521729948

10. Warranty

This Pro Chaser product comes with a Manufacturer Warranty for 90 days from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

11. Support

For further assistance, technical support, or warranty inquiries, please contact Pro Chaser customer service through the retailer where the product was purchased or refer to the official Pro Chaser website for contact information.

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