

AQParts260825#3441

Instruction Manual: Generic Carburetor Assembly for Craftsman Tiller 917.293480

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your new Generic Carburetor Assembly. This carburetor is designed as a replacement part for Craftsman Tiller Model 917.293480. Please read this manual thoroughly before attempting any installation or maintenance procedures to ensure safe and correct usage.

2. PRODUCT OVERVIEW

The carburetor assembly is a critical component of your tiller's engine, responsible for mixing air and fuel in the correct proportions for combustion. This replacement kit includes the main carburetor unit and various associated components necessary for installation.



Figure 1: Generic Carburetor Assembly Kit. This image displays the complete kit, including the main carburetor body, fuel bowl, choke lever, mounting gaskets, brass fittings, and various fasteners. The white plastic component is likely a fuel line or vent tube, and the two brass discs are typically for air or fuel filtration.

The kit typically includes:

- Carburetor body with integrated fuel bowl
- Mounting gaskets for a secure seal
- Choke lever for engine starting
- Assorted screws and bolts for installation
- Additional small components such as brass fittings or filters

3. SAFETY INFORMATION

Always prioritize safety when working with engine components and fuel. Failure to follow these safety guidelines can result in serious injury or property damage.

- **Disconnect Spark Plug:** Before beginning any work, always disconnect the spark plug wire to prevent accidental engine startup.
- **Fuel Handling:** Gasoline is highly flammable. Work in a well-ventilated area, away from open flames, sparks, or heat sources. Use an approved container for draining fuel.
- **Eye Protection:** Wear safety glasses or goggles to protect your eyes from fuel splashes, debris, or other hazards.
- **Gloves:** Wear appropriate gloves to protect your hands from fuel, oil, and sharp edges.
- **Ventilation:** Ensure adequate ventilation to avoid inhaling fuel vapors.
- **Hot Surfaces:** Allow the engine to cool completely before working on it to avoid burns.
- **Professional Assistance:** If you are unsure about any step of the installation or repair process, consult a qualified service technician.

4. INSTALLATION

This section provides general steps for replacing a carburetor. Specific procedures may vary slightly depending on your tiller's exact configuration. Refer to your tiller's original service manual for detailed instructions if available.

1. Preparation:

- Ensure the engine is cool.
- Disconnect the spark plug wire.
- Turn off the fuel supply valve (if present) and drain the fuel tank into an approved container.
- Remove any air filter housing or shrouds that obstruct access to the carburetor.

2. Disconnect Components:

- Carefully disconnect the fuel line(s) from the old carburetor. Be prepared for residual fuel to spill.
- Disconnect any throttle linkages, choke linkages, or governor springs attached to the carburetor. Note their positions for reassembly.

3. Remove Old Carburetor:

- Unbolt the old carburetor from the engine manifold. There are typically two or more mounting bolts.
- Remove the old carburetor and any old gaskets. Inspect the mounting surfaces for cleanliness and damage.

4. Install New Carburetor:

- Place new gaskets on the engine manifold and/or the carburetor mounting surface as appropriate. Ensure they are correctly oriented.
- Mount the new carburetor assembly, ensuring all linkages and springs are correctly attached before fully tightening the mounting bolts. Do not overtighten.
- Reconnect the fuel line(s) securely.
- Reinstall the air filter housing and any shrouds removed earlier.

5. Final Checks:

- Refill the fuel tank with fresh, appropriate fuel.
- Turn on the fuel supply valve.
- Reconnect the spark plug wire.
- Check for any fuel leaks.
- Start the engine according to your tiller's operating instructions. The engine may require a few pulls to prime the carburetor.

Note: This is a replacement part. While the model number 917.293480 is a good reference for compatibility, always compare the physical appearance of the item with your original part before installation to ensure a correct fit.

5. MAINTENANCE

Proper maintenance of your carburetor ensures optimal engine performance and longevity.

- **Fuel Quality:** Always use fresh, clean gasoline. Stale fuel or fuel containing ethanol can cause deposits and corrosion within the carburetor. Consider using a fuel stabilizer if the tiller will be stored for extended periods.
- **Fuel Filter:** Regularly check and replace the fuel filter (if present) to prevent contaminants from reaching the carburetor.
- **Air Filter:** A clean air filter is crucial. A dirty air filter can restrict airflow, causing the engine to run rich and potentially foul the carburetor. Clean or replace the air filter as recommended by your tiller's manufacturer.
- **Storage:** Before long-term storage, either run the engine until it runs out of fuel or drain the fuel system to prevent fuel degradation and carburetor clogging.
- **Cleaning:** If performance issues arise due to a clogged carburetor, it may require 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.

6. TROUBLESHOOTING

If your tiller experiences issues after carburetor installation, consider the following common troubleshooting steps:

- **Engine Not Starting:**
 - Check for fuel in the tank and ensure the fuel valve is open.
 - Verify the spark plug wire is connected and the spark plug is clean and functional.
 - Ensure the choke is set correctly for starting.
 - Check for proper fuel flow to the carburetor.
- **Engine Runs Rough/Stalls:**
 - Inspect for vacuum leaks around the carburetor mounting gaskets.
 - Check that all linkages (throttle, choke) are moving freely and correctly.
 - Ensure the air filter is clean and not obstructed.
 - Consider if the fuel is stale or contaminated.
- **Fuel Leaks:**
 - Tighten all fuel line connections and carburetor mounting bolts.

- Inspect gaskets for proper seating and damage.
- Check the fuel bowl for cracks or improper sealing.

For persistent issues, it is recommended to consult a professional small engine mechanic.

7. SPECIFICATIONS

Attribute	Value
Product Type	Carburetor Assembly
Brand	Generic
Compatible Tiller Model	Craftsman 917.293480
Item Model Number (Part)	AQParts260825#3441
Manufacturer Part Number	AQP-PL-LMP1-260825-3441
Approximate Item Weight	1 pound
Approximate Product Dimensions	1 x 1 x 1 inches

8. WARRANTY AND SUPPORT

This product is a replacement part. Specific warranty information from the manufacturer is not provided in the product details. For any warranty claims or support inquiries, please refer to the seller or retailer from whom the product was purchased. It is recommended to retain your proof of purchase for any potential claims.