

TDanhduy1001-11855

Generic Dual Fuel LPG Carburetor User Manual

Model: TDanhduy1001-11855 | Compatible with Pulsar 6580/5500 Watts Generators HD6580B

1. PRODUCT OVERVIEW

This document provides instructions for the Generic Dual Fuel LPG Carburetor, an aftermarket component designed for use with Pulsar 6580 and 5500 Watts Generators, specifically model HD6580B. This carburetor enables the generator to operate on either gasoline or Liquefied Petroleum Gas (LPG), offering versatility in fuel choice.



Image 1.1: Generic Dual Fuel LPG Carburetor. This image displays the main carburetor unit with its various ports and linkages, indicating its design for dual fuel operation.

2. SAFETY INFORMATION

Always prioritize safety when working with fuel systems and generators. Failure to follow these instructions may result in serious injury or property damage.

- Ensure the generator is completely shut off and cooled down before beginning any installation or maintenance.
 - Disconnect the spark plug wire to prevent accidental starting.
 - Work in a well-ventilated area to avoid inhaling fuel fumes.
 - Keep open flames, sparks, and other ignition sources away from fuel and the generator.
 - Wear appropriate personal protective equipment, including gloves and eye protection.
 - Handle gasoline and LPG with extreme care. Refer to your generator's manual for additional fuel handling safety.
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3. SETUP AND INSTALLATION

3.1 Pre-installation Checks

- Verify that the new carburetor matches the specifications of your generator model (Pulsar 6580/5500 Watts HD6580B).
- Gather necessary tools: wrenches, screwdrivers, pliers, and a clean cloth.
- Ensure the generator's fuel tank is empty or the fuel valve is closed, and the LPG tank is disconnected.

3.2 Installation Steps

1. **Remove Air Filter Assembly:** Loosen clamps and bolts to remove the air filter housing and element.
2. **Disconnect Fuel Lines:** Carefully disconnect the gasoline fuel line from the old carburetor. If applicable, disconnect the LPG line. Be prepared for minor fuel spills.
3. **Disconnect Linkages:** Detach the throttle and choke linkages from the old carburetor. Note their positions for reassembly.
4. **Remove Old Carburetor:** Unbolt the old carburetor from the engine manifold. Remove any gaskets.
5. **Install New Carburetor:** Place new gaskets (if supplied) on the manifold studs. Mount the new dual fuel carburetor, ensuring it seats correctly. Secure with bolts, tightening evenly.
6. **Reconnect Linkages:** Reattach the throttle and choke linkages to the new carburetor. Verify smooth operation.
7. **Reconnect Fuel Lines:** Connect the gasoline fuel line securely. For LPG operation, connect the LPG hose from the regulator to the carburetor's LPG inlet. Ensure all connections are tight to prevent leaks.
8. **Reinstall Air Filter Assembly:** Reattach the air filter housing and element.
9. **Leak Check:** Before starting, inspect all fuel connections for leaks.

4. OPERATING INSTRUCTIONS

4.1 Fuel Selection

This carburetor allows operation on either gasoline or LPG. Do not attempt to run on both fuels simultaneously.

- **For Gasoline Operation:** Ensure the LPG supply is off and disconnected. Open the gasoline fuel valve.
- **For LPG Operation:** Ensure the gasoline fuel valve is closed. Connect the LPG tank and open its valve.

4.2 Starting the Generator

Refer to your generator's specific starting procedure. General steps include:

1. Ensure the generator is on a level surface.

2. Select your desired fuel type (Gasoline or LPG) as described in Section 4.1.
3. Set the choke lever to the "CHOKE" position (cold start).
4. Pull the recoil starter handle firmly or engage the electric start until the engine fires.
5. Once the engine starts, gradually move the choke lever to the "RUN" position.
6. Allow the engine to warm up for a few minutes before applying load.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your carburetor.

- **Carburetor Cleaning:** Periodically inspect the carburetor for dirt or debris. If necessary, clean with a carburetor cleaner spray. Avoid using wire or hard objects that could damage jets.
- **Fuel Line Inspection:** Check gasoline and LPG fuel lines for cracks, leaks, or deterioration. Replace damaged lines immediately.
- **Air Filter:** Ensure the air filter is clean and free of obstructions. A dirty air filter can affect carburetor performance. Refer to your generator manual for air filter maintenance.
- **Storage:** If storing the generator for an extended period, drain the gasoline from the fuel tank and carburetor bowl to prevent gumming. Disconnect the LPG tank.

6. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Engine will not start	No fuel (gasoline or LPG), clogged fuel line, incorrect choke position, spark plug issue	Check fuel levels and connections. Ensure fuel valve is open. Verify choke setting. Check spark plug.
Engine runs rough or stalls	Dirty carburetor, stale fuel, air filter clogged, fuel mixture incorrect	Clean carburetor. Use fresh fuel. Clean/replace air filter. Consult a technician if mixture adjustment is needed.
Fuel leaks from carburetor	Loose connections, damaged gasket, stuck float needle	Tighten connections. Replace gaskets. Inspect float and needle valve for proper operation.
Difficulty switching fuels	Fuel selector valve issue, residual fuel in lines	Ensure one fuel source is completely off before engaging the other. Check selector valve for obstruction.

7. SPECIFICATIONS

Key specifications for the Generic Dual Fuel LPG Carburetor.

Feature	Detail
Brand Name	Generic
Model Number	TDanhduy1001-1855
Manufacturer Part Number	TDanhduy1001-11855
Compatibility	Pulsar 6580/5500 Watts Generators HD6580B
Fuel Type	Dual Fuel (Gasoline, LPG)

8. WARRANTY AND SUPPORT

No specific manufacturer warranty information is provided for this aftermarket carburetor. For any issues or support, please contact the seller directly through your purchase platform.

For technical assistance or questions regarding installation and operation, it is recommended to consult a qualified small engine technician or refer to your generator's original service manual.