

# Zama Newsletter

Volume 3, Issue 2

April 2024

## INSIDE THIS ISSUE

### 1) How to Correctly connect a remote purge bulb.

In this issue I will discuss the correct way to connect a remote purge bulb and what to look for to limit any potential problems.

The purpose of the purge bulb is to pull fresh fuel from the fuel tank through the carburetor into the bulb and return fuel back into the tank. By doing this the purge bulb will remove all air in the carburetor and make starting the unit easier. This is the purge bulb's sole purpose.

Once the unit starts the purge bulb does not aid the unit in running or provide any further benefit to the operation of the unit.

Many people refer to the purge bulb as a primer bulb and believe the purge bulb pumps fuel into the carburetor which is incorrect. The purge bulb does not prime the carburetor. This is why you should be able to repeatedly press the primer bulb with out flooding the carburetor.

To replace the purge bulb there are a couple of things to do prior to removing the purge bulb.

1. First loosen the gas cap to remove any built up pressure in the fuel tank before removing or disconnecting any fuel line. Nothing is more aggravating than being sprayed with gasoline by the first fuel line you disconnect.
2. Determine your inlet and outlet connector on the carburetor. Especially if your carburetor is off of the unit and not connected to the fuel lines. A simple trick is to locate the adjustment needles. If there is a connector beside or near the adjustment needles this will be your outlet connector 98% of the time. The connector on the opposite end of the carburetor will usually be your inlet connector.
3. The purge bulb you are replacing and the new purge bulb will both have an inlet and outlet connector. There are two ways to determine the inlet and outlet connector. On the bottom of the purge bulb will be the word IN for the inlet connector and OUT for the outlet connector. The easiest way for me to determine the outlet and inlet connector is by size. The shorter connector will always be your inlet and the longer connector will always be your outlet connector.

If you are connecting the purge bulb while your carburetor is still on the unit, you should be able to follow the fuel line from the carburetor's outlet connector to the inlet connector on the purge bulb. Disconnecting and connecting the new purge bulb as you go. Again as a reminder be sure to relieve the fuel tank pressure prior to disconnecting any fuel lines.

If the carburetor is off of the unit, you will want to have a fuel line going from the outlet connector to the short stem on the remote purge bulb. The long connector or outlet connector on the purge bulb will have a fuel line(return line) going from it back to the fuel tank.

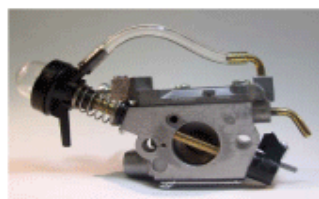
If the purge becomes difficult to press after 4 or 5 times I would recommend checking to be sure your connections are correct. This is usually a sign purge bulb is not connected correctly.

Please see below on how to replace the purge bulb on the unique C1U-W49 carburetor. This process is a little more involved as it requires replacing the primer base kit.

Should you ever have questions concerning the replacement of a purge bulb or any other questions concerning a Zama carburetor you may contact me at [aftersales@zamacorp.com](mailto:aftersales@zamacorp.com).

## C1U-W49 carburetor

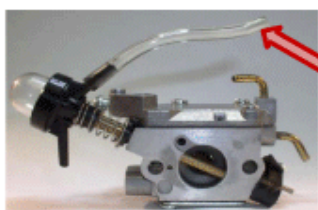
### Procedure for replacing PRIMER BASE KIT K056704



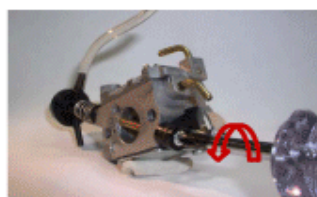
**C1U-W49**



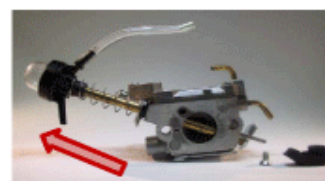
**Primer Base Kit**  
Zama P/N; **K056704**



1. Remove hose



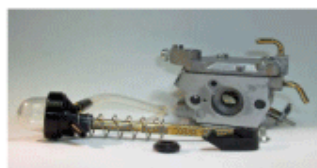
2. Remove screw on black lever



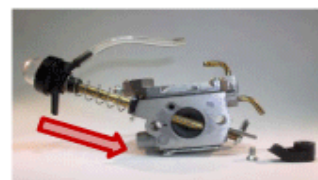
3. Disassemble black lever and Primer base kit



4. Assemble new Primer kit with original spring and plastic ring



5. Re-assemble original lever and screw



6. Connect hose onto brass fitting

