

EZ Torch Instructions and User Guide

114.251 kit with valve for refillable propane tanks

The EZ torch is a high precision instrument intended for use as a general purpose soldering and annealing torch. It has been designed to be used by professionals in an appropriately controlled environment. Misuse of this torch could cause injury. **Please be safe and use your head.**

Important safety considerations

The EZ torch is different from most torches. It is a high-pressure torch using direct tank pressure to operate. This means that it does not use pressure regulator to reduce the fuel tank pressure to a lower level used in most other torches. This also means that the assembly and torch is pressurized with up to 160 pounds per square inch of gas!

Please note the following important considerations:

- Before using the torch check the hose for damage. This should be done daily. Any cracks, abrasions, cuts etc. Render the torch unsafe and the hose should be replaced.
- Never leave a lit torch unattended.
- Do not handle or position the torch flame anywhere near the hose at any time! This could cause the flame to melt through the hose and cause an explosion and or a fire!
- Be careful when adjusting the air intake or removing the torch tip after use the entire top of the torch can become quite hot. This is normal, please be careful.
- Close tank valve when not in use

Installation Instructions

Connecting the torch, hose and valve assembly is fairly straightforward. You may note that one end of the hose has a swivel type connector; use this end to connect to the torch handle. Use a suitable inch wrench or adjustable crescent wrench and snug up the connections with a reasonable torque. Do not over tighten! The tips are to be hand tightened only! If the tip does not thread on properly or is damaged it should be replaced.

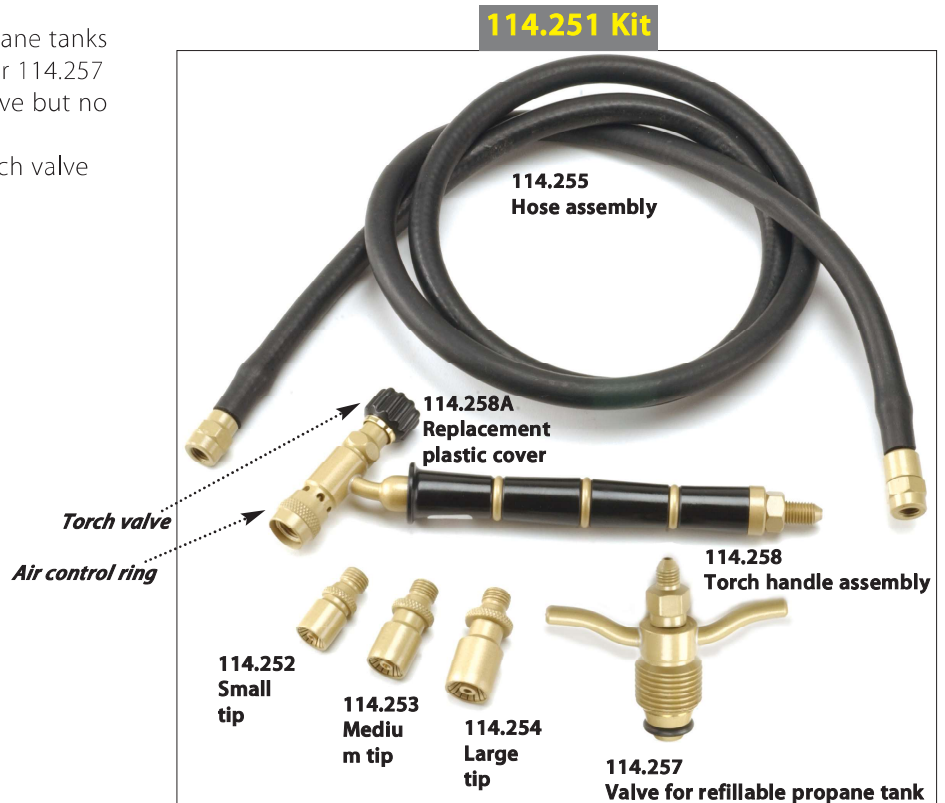
Close the valve on the torch and the tank valve before threading on. Hand tighten with a firm twist. Check for leaks with soapy water at the tank connection and both ends of hose before use.

Part List:

- 114.251 EZ Torch Kit for propane tanks
- 114.252 EZ Torch small replacement tip
- 114.253 EZ Torch medium replacement tip
- 114.254 EZ Torch large replacement tip
- 114.255 EZ Torch replacement hose assembly
- 114.257 EZ Torch valve assembly for large propane tanks
- 114.257G EZ Torch replacement O-ring gasket for 114.257
- 114.258 EZ Torch handle assembly includes valve but no tips
- 114.258A EZ Torch replacement black plastic torch valve cover (plastic part only)

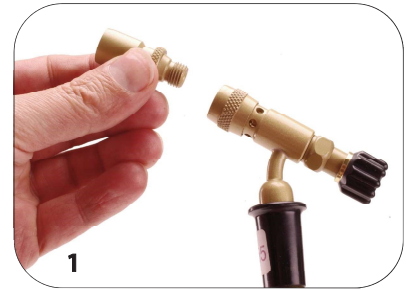


Tank sold separately



Operating Instructions

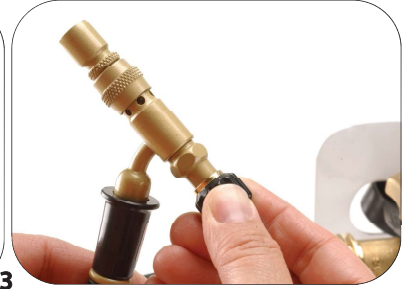
1. Choose the appropriate tip and connect it to the torch.
Do not overtighten.



2. Connect the valve to a propane tank.
When you are ready to use the torch, open the valve on the propane tank.
Close valve when you are finished using the torch, then bleed down the hose by opening the valve on the torch. Then close the valve on the torch.



3. To light the torch, close the air control ring first then open the torch valve slightly to start gas flow.



4. Use a striker or suitable torch lighter to light the gas.



5. Open the air control ring to achieve a proper blue flame, by controlling the gas and air you can adjust the size of the flame and produce an oxidizing (air rich) or reducing (fuel rich) flame.

When shutting off the flame for an extended period we recommend closing the tank and bleeding down the hose for safety reasons.

Any questions call the service department at Otto Frei **510.832.0355 x109**

