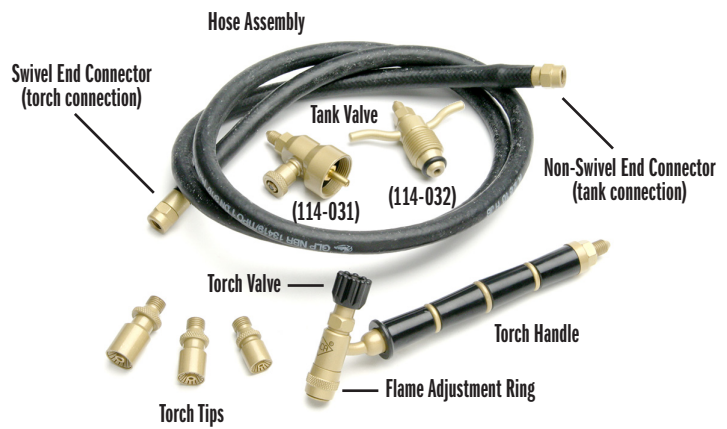


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INSTRUCTIONS FOR EZ TORCH

No. 114-031 / 114-032



The EZ torch is a precision instrument intended for use as a general purpose soldering and annealing torch. It has been designed to be used by professionals in a controlled environment. Misuse could cause serious injury.

Because the EZ Torch uses direct tank pressure without a pressure regulator, gas pressure can be as high as 160 psi. Read the instructions below and use caution during assembly and operation.

Precautions

- After assembling the torch and before use, check for gas leaks by spraying a solution of soapy water on all connections. If bubbles form at any connections, turn off the tank valve and tighten the connection.
- Before each use, check the torch hose for damage. Any cracks, abrasions, cuts, etc in the hose render the torch unsafe and the hose should be replaced.
- Never aim the torch at or near the hose or tank. Never leave a lit torch unattended.
- Use caution when removing torch tips after use. Tips can become very hot. Allow tips to cool before removing.
- Disconnect the torch from the propane tank and place the plastic protective cap on the cylinder when not in use.
- Never use oil or any other lubricant on connection threads or other torch parts.

Assembly

1. The hose assembly has two distinct connections: a swivel connection and a non-swivel connection. **Connect the swivel end of the hose to the torch handle** and tighten with a wrench. Do not overtighten. Connect the non-swivel end to the propane tank, again taking care to not overtighten.
2. Thread a tip onto the torch and tighten by hand. Do not use a wrench to tighten tips.
3. Close torch valve and open valve on the propane tank. Spray soapy water on all connections to check for leaks.

Operation

1. Install a tip on the torch and tighten by hand.
2. With the torch valve and flame adjustment ring closed, open the valve on the propane tank.
3. With your torch lighter/striker within easy reach, open the torch valve 1/2 turn.
4. Light the torch as soon as possible. If the torch does not light quickly, close the torch valve and wait a few moments before trying again.
5. Adjust the size of the flame by turning the torch valve, then fine-tune the shape of the flame using the flame adjustment ring. The flame adjustment ring controls the amount of air mixed with the gas.
6. To turn off the torch, first shut off the torch valve, then the flame adjustment ring, and then the tank valve. If you won't be using the torch again soon, bleed the line by opening and closing the torch valve, then disconnect the torch from the propane tank.