

Eastwood

DO THE JOB RIGHT.

Part #13850

9-PIECE BUTANE SOLDERING KIT INSTRUCTIONS



The **Eastwood 9-Piece Butane Soldering Kit** is a precision-engineered, highly efficient, butane-powered torch incorporating a Ceramic Flame Catalyst Grid for fast, even and safe flameless heat and pinpoint soldering. Features a viewable level, refillable fuel tank, retractable roll-proof stand and battery-free piezoelectric ignition. Performs as a corded electric soldering iron without the cord or as a concentrated heated air source. Built-in, 360° regulator allows use at any angle.

WARNINGS

- Always wear protective eye gear and flame resistant gloves when handling soldered parts.
- The heated tip can reach temperatures in excess of 2300°F. Do not allow tip to come in contact with exposed flesh or flammable surfaces. After use, flip out built-in stand, place torch on non-flammable surface and allow 5 full minutes for cooling before handling or storage.
- Do not drop torch. The Ceramic Catalytic Grid may shatter making the torch unsafe for use.
- Avoid breathing potentially harmful fumes generated from soldering, plastic cutting or other heated sources.
- Do not use in confined areas. Use with adequate ventilation. Do not use in windy conditions.
- There is no exposed flame, do not attempt to use as a cigarette lighter.

SPECIFICATIONS

- Maximum tip temperature = 2300°F.
- Requires pressurized butane “lighter” fuel.
- Fuel capacity = 0.07 oz.
- Operation time per tank filling = 1 hour.
- Piezoelectric igniter.

INCLUDES

- (1) Ceramic Catalytic heating/soldering torch with integral igniter and retractable stand.
- (1) Protective tip cap.
- (1) Tube of Ø0.040 rosin core solder.
- (1) Metal tip wicking cup with sponge.
- (1) Heat-shrink tube heating deflector.
- (1) High-temperature conical pinpoint soldering tip.
- (1) Long-reach, ball end, extended soldering tip.
- (1) Beveled, plastic welding tip.
- (1) Chisel edge, plastic cutting tip.
- (1) Sturdy, shock proof case.
- (1) Instructions.

FILLING WITH BUTANE FUEL

- Obtain a cylinder of good quality Butane “lighter” fuel.
- Fully read and understand manufacturer’s instructions on butane cylinder before using. Butane is highly flammable. Do not fill near spark or flame sources.
- If refilling, be sure the torch has cooled for 5 full minutes before refilling.
- Fill in a well ventilated area.
- To fill, hold torch with tip pointing downward, insert butane cylinder discharge tube fully into fill valve and over hollow center pin of fill valve then apply downward pressure to release butane fuel into torch tank. A complete 0.7 oz. filling takes only 5-10 seconds. If butane fuel overflows STOP IMMEDIATELY. **NOTE:** Overfilling will cause torch sputtering during operation.
- Allow the tank pressure to equalize for several minutes before igniting torch.

SET-UP

- Torch is shipped without fuel. Fill with butane fuel per “Filling with Butane Fuel” section of instructions.
- The torch is assembled with the High-temperature, conical soldering tip installed. If an alternate included tip is desired, prior to lighting, unthread the conical tip and install the desired tip, then finger-tighten firmly.
- For use as a concentrated hot air source, the torch may be operated with no tip installed.
- To heat shrink-tubing, remove any of the optional threaded tips and install the included slip-on heat-shrink deflector.

OPERATION

IGNITION

- Be sure the exhaust port on the Ceramic Catalyst Grid Housing is directed away from the work surface. (Loosen black plastic ferrule, reposition exhaust port and retighten ferrule if required).
- Depress the red safety lock button with the tip of your thumb while simultaneously pushing down sharply on the ignition switch/valve. This will ignite the torch.
- Move the sliding continuous flame/off switch located on the opposite side of the torch to the right then release thumb pressure from the ignition switch/valve. This will lock the flame on “continuous”. **NOTE:** No actual flame is visible during operation. Allow a minute or two to allow the Ceramic Catalyst Grid to glow orange and to transfer heat into the selected tip.
- The Soldering Iron Torch may be used as a conventional electric soldering iron for soldering, plastic welding, plastic cutting and heat source for heat-shrink tubing applications.

SHUT-OFF

- Move the sliding continuous flame/off switch located on the opposite side of the torch to the left to shut off fuel supply extinguishing the flame.

AFTER USE

- Release the retractable integral stand (located directly under the sliding continuous flame/off switch) on the rear of the torch.
- Place the torch on a non-flammable surface and allow cooling for a full 5 minutes before placing in the storage case.

TROUBLESHOOTING

- Flame doesn't appear to ignite:
 - No actual flame is visible during operation. Wait for the Ceramic Catalyst Grid to glow orange before use.
- Flame doesn't ignite, grid does not glow.
 - Torch may be out of butane fuel. Check fuel level and fill if required. (See filling procedure).
 - Ceramic Catalyst Grid may be broken. Inspect for damage.
DO NOT IGNITE TORCH IF BROKEN.

If you have any questions about the use of this product, please contact

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