

MAINTENANCE & CARE

- While using the soldering iron, it is important to clean the tip regularly using a moist sponge or brass sponge to remove impurities and reduce oxidation.
- Avoid leaving the iron on for long periods of time (more than 20 minutes) without using it. This will cause your tip to become oxidized creating a “dry” tip that will lose heat conductivity and prevent solder from wetting to the tip surface.
- Periodically, after the iron and tip have cooled to room temperature, the tip should be removed from the iron and the shaft cleaned using an emery pad. This will help prevent the tip from seizing in the iron due to the excessive build-up of oxides and contaminants.

Note: Do not take a file to your soldering tip to clean it. Using a file on your soldering iron tip will lead to the removal of it's iron plating which will significantly degrade the life of the tip.

- Periodically cycle the set screws of your iron. This will help ensure they do not seize over time.
- You will notice a slight vibration occurring in your soldering iron. This is natural and a function of the alternating current passing through the nickel-chromium wire of the heating element. Routinely re-tighten the set-screw holding the soldering tip in place as this vibration can cause it to loosen over time.
- When cleaning the shaft of your soldering iron tip, you should also take the time to clean the bore (the cavity in which the tip sits) of your iron using a wire brush.

Why not let us show you how to perform basic maintenance on your soldering irons.



www.americanbeautytools.com/v/si/maintenance

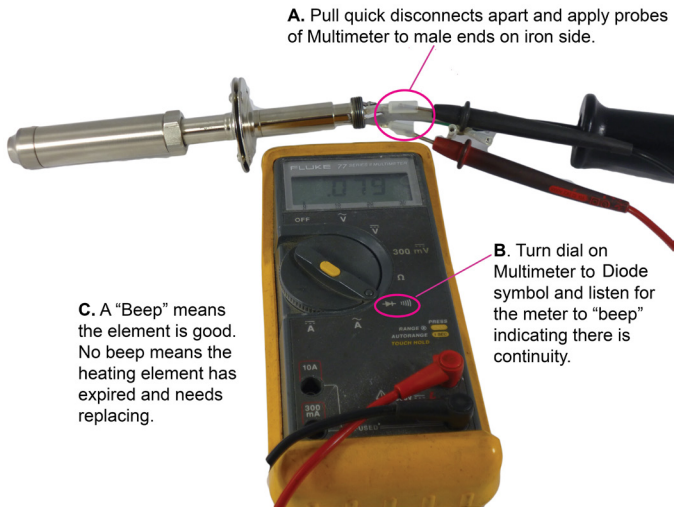
TROUBLE SHOOTING

Problem Description	Solution
Soldering iron produces NO heat.	<ol style="list-style-type: none"> 1. Is the power cord connected? <ul style="list-style-type: none"> • Connect power cord to outlet 2. Is the GCFI tripped on your outlet? <ul style="list-style-type: none"> • Unplug your iron, reset the GCFI, and reconnect the power cord. 3. Determine if the heating element needs replacing. (See Next Page) Replace Heating Element with the appropriate model for your soldering iron. (See Data Sheet)
Soldering iron heats up intermittently.	<p>Determine if there is a break in the cord-set. (Pg. 11)</p> <ul style="list-style-type: none"> • Replace Cord-set with the appropriate model for your soldering iron. (See Data Sheet)
Soldering tip cannot be removed.	<p>Tips seize from oxidation build-up on both the shank of the iron tip & inside walls of the soldering iron. Both the tip and heating element will need to be replaced.</p>
Soldering iron no longer seems to reach the same top temperatures.	<p>Our soldering irons are 'full-output' irons, meaning they either operate at maximum potential or they completely expire. 'Less' heat is almost always a result of poor cleanliness.</p> <ul style="list-style-type: none"> • Use our Maintenance Kit to clean the oxidation from both the shank of the iron tip & inside walls of the soldering iron.

Warning: Disconnect the power prior to performing any service or diagnostics on your solder iron. Failure to do so could cause serious harm and electric shock. Service to your iron should be performed by qualified personnel to avoid injury or damage.

Determining if Heating Element has Expired and Needs to be Replaced

1. Disconnect the handle from the body of the iron. Process may be different depending upon your soldering iron.
2. Slide the handle down on the cord and remove any cloth tape or protective insulation.
3. Perform Continuity Test (See instructional picture below).



See link to Repair Videos (see Rear Cover).

Determining if Cord-Set Needs to be Replaced

1. Steps #1 and #2 are the same as in the procedure for Determining if the Element Needs to be replaced (pg. 10).
2. Perform Cord-set Continuity Test (see picture below).
 - A. Turn Multimeter to the indicated Diode symbol. Multimeter will “beep” to indicate continuity exists and that electricity can travel unabated to the soldering iron’s element.
 - B. Pull quick disconnect apart. Place one probe in the female end of one of the connectors on the cord side.
 - C. Place the other probe on one of the blades of the cord-set and listen for a “beep”. If you do not hear a beep, try the other blade. Repeat for remaining quick disconnect. If a “beep” cannot be heard on both blade/connector combinations, or if the beeping stops momentarily at any point, this indicates a break in the cord-set.



See link to Repair Videos (see Rear Cover).

Warranty Details

Both American Beauty and Esico Triton Tools are warrantied to be free from defects in material and workmanship as outlined below. No warranty is made with respect to products which have been altered, subjected to abuse or improperly used.

Consumable Parts - NOT COVERED

Items include such parts as Soldering Iron Tips, Desoldering Braid, Resistance Soldering Elements and Electrodes, etc.

Serviceable Parts - 90-DAY PERIOD

Items include such parts as are Heating Elements, Thermostats, Voltage Controllers, Cord-sets, etc. It is the customer's responsibility to make themselves aware of proper operating parameters, that when not followed, can greatly reduce the life-span of this type of part.

Standard Products - 3-YR PERIOD

These items include all American Beauty and Esico Triton soldering tools that don't fall into the two categories highlighted above. They include soldering irons, solder pots, soldering stations, resistance soldering systems and thermal wirestripping systems, etc. Visit our websites for full details: www.americanbeautytools.com/warranty www.esicotriton.com/warranty

Repair Service

Eventually even the toughest soldering tools require minor repair work. We have expanded our internal repair department and reassigned our most experienced technicians to work on repairs. We implemented customized software to ensure accurate and timely processing of all returned products. Save yourself unnecessary downtime and aggravation by taking advantage of our world-class repair and refurbishment service. Call us today at 800-550-2510 or visit either of our websites to make arrangements.

Watch our technician perform a few of the more basic repairs.



www.americanbeautytools.com/v/si/repairs