

IMPORTANT SAFEGUARDS

When using your Iso-Tip soldering iron tool, basic precautions should always be followed.

READ ALL INSTRUCTIONS BEFORE USING.

DANGER

To reduce the risk of electric shock:

1. Do not place or drop into water or other liquid.
2. Except when charging, always unplug this appliance from the electrical outlet when not in use.
3. Unplug the recharging stand before cleaning.

WARNING

When the Iso-Tip operating button is pressed, the tip heats to over 700° F almost immediately.

To reduce the risk of burns, fire, electrical shock, or injury:

1. Close supervision is necessary when this tool is used by or near children.
2. Use this tool only for its intended use as described in this manual.
3. Never operate this tool if the recharging stand cord is damaged. If it is not working properly, if it has been dropped or damaged, return to Senasys Inc. for examination and repair.
4. Do not carry the recharging stand by cord.
5. Keep the cord away from heated surfaces.
6. Never drop or insert any object into any opening.
7. Do not use outdoors in inclement weather conditions.
8. Do not hold the tip when pushing the button.
9. Do not use this tool with damaged or broken attachments. Injury may occur.
10. When you finish soldering, make sure to rotate button back to lock position.
11. Do not allow metal object to touch or "short" across the recessed charging contact points. The metal could get very hot.
12. Do not lay against any surface after using until the tip has cooled.

SAVE THESE INSTRUCTIONS

PROPER USE AND MAINTENANCE INFORMATION

1. The iron should be used frequently to insure a longer life of its batteries. Even when you don't solder, it is a good practice to completely discharge the batteries by normal use about once a month. If this is not done, the batteries will gradually lose their maximum capacity. NOTE: When discharging, DO NOT hold the iron continuously in the ON position without a HEAT SINK to prevent abnormally high tip temperature.
2. For fast and accurate soldering, a clean and well-tinned tip is required. Heat and gently wipe with a rag or an emery cloth to clean up. Re-tin to minimize oxidation. Use good quality solder; resin core or solid with the proper flux for electronics work. Apply solder only at the point of the tip. All tips should be kept tinned for fast heat transfer to the work and longest tip life.
3. Tip temperature can be controlled by pressing the button momentarily off and on in use. This may be necessary when working with micro printed circuits.
4. When soldering, touch only the nose of the tip to the area you are soldering and not the thin sidewalls. Do not feed the solder onto the side of the tip. This practice will rapidly eat a hole through the side of the copper tip. Feed the solder onto the very end of the tip at the junction with the work.

OPERATING YOUR SOLDERING IRON

1. Turn switch button to "USE" position. Depress button to operate. When not in use, turn button to "LOCK" position.

SOLDERING ON PRINTED CIRCUIT BOARDS, WIRING AND GENERAL WORK

1. Make sure work is clean and make a good mechanical connection where possible.
2. Remove the tool from its recharging stand, depress pushbutton, wait 3-5 seconds and then apply tip to joint that is to be soldered.
3. Now immediately apply solder at the point of the tip and the joint so that melted solder will help in heat transfer.
4. When solder flows and has wetted connection, remove solder and soldering iron and release pushbutton.
5. Soldering cycle should be completed within 15 seconds.
6. Repeated heat cycling will reduce solder joint reliability.
7. Check your work; a good solder joint should look smooth and bright.
8. After connection has cooled, trim off excess wire.

INSTALLING TIP

1. Align tip leads over the terminal holes.
2. Push inward and upward until tip is fully seated.
3. To remove, pull straight out.

Recharging

The Recharging Stand is designed to be operated on 120 Volts AC, 50-60 Cycle.

1. To recharge, place the tool in the recharging stand with the pushbutton toward the front.
2. Using the wall plug transformer, plug charger cord into bottom of iron and plug charger only into a 120 Volt AC, 50-60 Cycle receptacle. Using the wall plug transformer charging time is 12-16 hours.
3. Using the recharge stand, recharge from "DEAD" to "FULL CHARGE" in about 3.5 - 4 hours.
4. It is suggested that the unit be charged when received and left in its recharging stand or plugged into wall plug transformer when not in use. Soldering iron will not overcharge if left in stand.
5. The recharging stand for the #7904 has an LED to indicate charging status. "RED" indicates that the iron is not charging; "YELLOW/GREEN" indicates that the iron is charging. If the "RED" light appears when you place the iron in the stand, always check to see that the stand is connected to a power source.

REPLACEMENT TIPS

The following accessories can be obtained directly from the manufacturer at www.iso-tip.com.

7535	Regular Tip
7545	Fine Tip
7546	Heavy Duty Tip
7566	Micro Soldering Tip
7569	V Tip
7571	Beveled Tip #2
7572	Blunt Tip
7574	Concave Centering Tip
7577	Chisel Tip
7579	Beveled Tip #3
7593	Beveled Tip #6
7596	Knife Tip

7535-100	High Efficiency Regular Tip
7545-100	High Efficiency Fine Tip
7546-100	High Efficiency Heavy Duty Tip
7566-100	High Efficiency Micro Soldering Tip
7577-100	High Efficiency Chisel Tip
7579-100	High Efficiency Beveled Tip

BATTERY REPLACEMENT

This product uses a nickel-cadmium (Ni-Cd) battery, which must be disposed of properly.

The tool is shipped with the batteries uncharged. When battery replacement is necessary, we recommend returning the unit to Senasys.

WARNING: Disturbing the internal wires or thermostat may result in battery overheating.