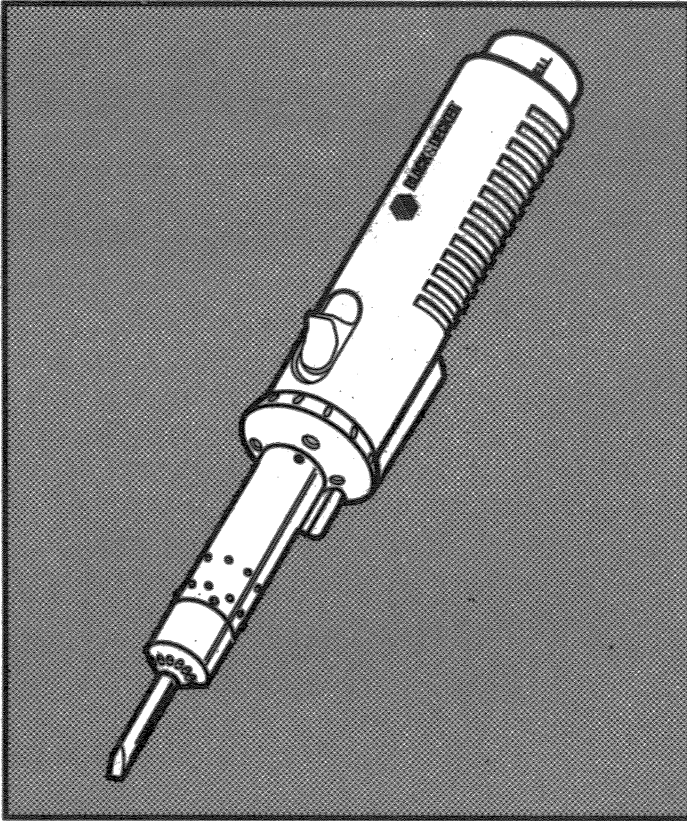




BLACK&DECKER®



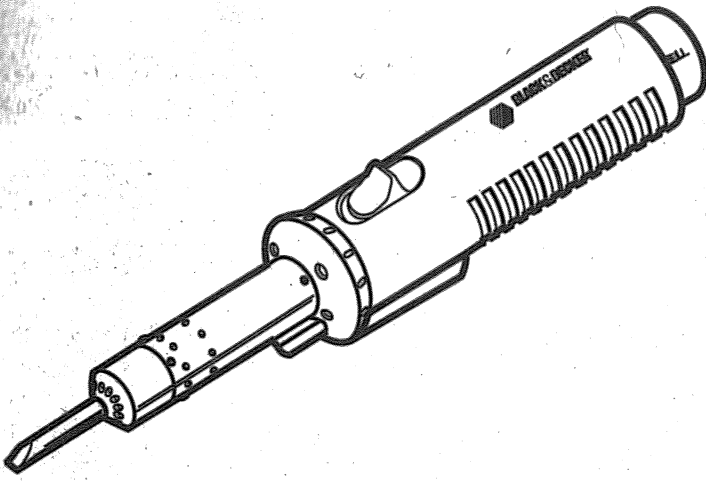
Instruction Manual

Cordless Soldering Iron

Powered by THERMACELL®

9768

**READ INSTRUCTIONS AND
WARNINGS BEFORE USE**



Welcome to the Wonderful World of Black & Decker Tools.

Your new Cordless Soldering Iron is designed to perform light duty soldering tasks from making wiring connections to repairing PC boards. It operates with complete freedom from electric cords or recharging stands. The unique portability of this tool will make soldering tasks around the home, boat, car, workshop, or anywhere easier than ever before.

Your Cordless Soldering Iron is always ready to work by simply inserting a Thermacell® fuel cartridge. The Thermacell® cartridge is a disposable, replaceable energy source. The ignition system is fully self contained. There is no exposure to spark or flame. Never will you have to delay your job waiting hours for a battery to charge up.

Please take the time to read this entire manual for all the information necessary for the most efficient, convenient and safe operation of this tool.

Thanks for selecting Black & Decker.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS

1. Your Thermacell® cartridge contains butane gas under pressure. **KEEP THE CARTRIDGE AWAY FROM OPEN FLAMES.**
2. **DON'T** store your Thermacell® cartridge in direct sunlight for long periods of time.
3. **DON'T PUNCTURE OR INCINERATE** your Thermacell® cartridge.
4. **DON'T** expose your Thermacell® cartridge to temperatures above 120°F.
5. **DON'T OPERATE IN THE PRESENCE OF EXPLOSIVE OR FLAMMABLE FUMES.**
6. **NEVER** drop or insert any object into any opening.
7. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
8. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area.
9. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place—out of reach of children.
10. **USE SAFETY GLASSES.**
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.
13. **DO NOT TOUCH THE HEATED TIP OR BARREL OF THE SOLDERING IRON.**
14. **DO NOT** leave operating or hot soldering iron unattended.
15. **ALWAYS BE SURE THE SOLDERING IRON IS COOL BEFORE STORING IT.**
16. **REMOVE** cartridge from tool before storing.

**SAVE THESE SAFETY
RULES FOR FUTURE
USE.**

Operation

TO USE

1. Remove the protective cap from the fully charged Thermacell® cartridge packaged with the unit.
2. Screw the Thermacell® cartridge clockwise into the handle of the soldering iron as shown in Figure 1. The cartridge should be hand tight. DO NOT overtighten.



FIG. 1

3. Push the orange ON/OFF button forward to start the gas flow. See Figure 2.

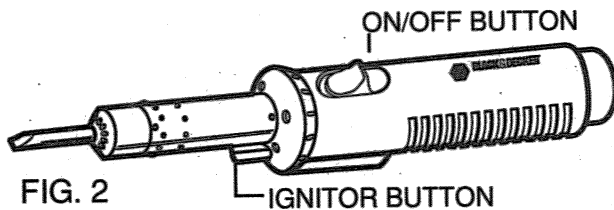


FIG. 2

4. Wait 3-5 seconds and then push the orange ignitor button. You may hear a slight pop sound. This is normal. The unit will begin to heat within 10 seconds. You may also check for ignition by viewing the flame through the front end of the barrel. If the unit does not begin to heat, check to make sure the on/off switch is on and push the ignitor button again. A few pushes of the ignitor button may be necessary. **NOTE:** Unit will not function properly below 45°F.
5. Fuel Cells stored below 45°F may not provide full gas flow. Warming them slightly by holding them in your hand should provide full performance.

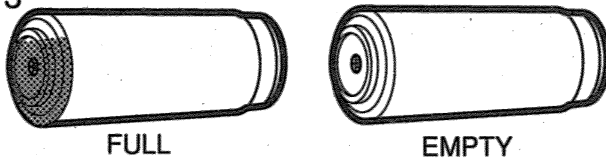
TO STORE

1. Push the orange ON/OFF button rearward to stop the gas flow.
2. Unscrew (counterclockwise) the Thermacell® cartridge from the unit. Install the protective cap on the cartridge to prevent dirt particles from getting into the valve area.
3. Allow the iron to cool fully before putting away.

REFUELING

Intermittent operation is usually due to running out of fuel. When this happens no fuel, or a very small amount, will be visible through the translucent end of the cartridge when held horizontally. See Figure 3. Refueling is as simple as replacing the empty Thermacell® cartridge with a new one. These cartridges are available from local retail stores or any Black & Decker Service Center.

FIG. 3



NOTE: New cartridges are not completely full of liquid. Fill is controlled by weight.

INSTALLATION OF REPLACEMENT TIP

The soldering tip is easily removable allowing the installation of other style tips or the replacement of a worn tip. After the soldering tip is cool, simply unscrew it from the cap with a counterclockwise motion. A tool may be required to grasp the tip in order to loosen it. Screw in the new tip until hand tight. Do not use tools to overtighten as this could damage the threads in the cap.

TIPS ON USING YOUR SOLDERING IRON

1. Select the proper solder for your application. Most solders sold today have the flux inside their cores. When making electric or electronic connections always use rosin core solder. For mechanical joining where the surfaces can be washed after soldering, acid core solder can be used. Common non-plumbing solder is an alloy of tin and lead. A "60-40" solder is 60% tin and 40% lead. General purpose solders range from 40-60 to 60-40. 63-37 solder has the lowest melting temperature and highest strength. The diameter of the solder wire should generally match the size of the components to be joined.
2. Be sure the surfaces to be joined are clean. Remove any oil or grease. Surfaces can be thoroughly cleaned by using abrasives such as emery cloth, steel wool or by scraping or filing. The flux in the solder will remove the oxide layers which could prevent good bonding.
NOTE: New units are shipped untinned. Remove plating at end of tip before tinning.
3. **BE SURE THE TIP OF THE SOLDERING IRON IS CLEAN AND WELL TINNED (COATED WITH SOLDER).** The solder on the tip of the iron will melt rapidly and create a conductive path for the heat to reach the workpiece. A small additional amount of solder may be added to the tip while it is in contact with the workpiece to ensure good heat conduction.
4. If possible connect the workpieces mechanically, or position them as rigidly as possible.

5. Allow the soldering iron to heat sufficiently. Three minutes minimum to about 8-9 minutes for optimum operating temperature.
6. Apply the heat of the soldering iron to the work. Heat the work surfaces sufficiently for the solder to melt on them. Apply the solder to the work surface directly. Do not just melt the solder on the tip of the iron allowing it to fall onto the work. This will cause poor bonding between the solder and the surfaces to be joined. Remove the iron quickly after the solder flows on the work surfaces.

Cleaning

Use only the mild soap and a damp cloth to clean the housings of the tool. Many household cleaners contain chemicals which could seriously damage the plastic. Also do not use gasoline, turpentine, lacquer or paint thinner, dry cleaning fluids or similar products. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Accessories

The accessories listed in this manual are available at extra cost from your local dealer or Black & Decker Service Center. If you need assistance in locating any accessory, please contact: Black & Decker (U.S.) Inc., Users Services Department, P.O. Box 618, 626 Hanover Pike, Hampstead, MD 21074.

Recommended accessories for use with your tool are listed below. **CAUTION:** The use of any other accessory or attachment might be hazardous.

| Item | Description | Information |
|---------------|----------------------------|--------------------------------|
| Soldering Tip | Chisel Style | General Purpose |
| Soldering Tip | Conical Style | Delicate Work |
| Fuel | Thermacell® Fuel Cartridge | 2 Disposable cells per package |

Important

To assure product SAFETY and RELIABILITY, repairs, maintenance, and adjustments should be performed by Black & Decker Service Centers or other qualified organizations. This tool contains no customer serviceable components.

Home Use Warranty

(A Full Two Year Warranty)

Black & Decker (U.S.) Inc. warrants this product for two years against any defects due to faulty materials or workmanship. Please return the complete unit, transportation prepaid, to the seller (if a participating retailer) for free replacement (proof of purchase may be required). The unit may also be returned to a Black & Decker Service Center or Authorized Service Station, listed under "Tools, Electric" in the yellow pages for free replacement or repair at our option. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact your nearest Black & Decker Service Center Manager.



Form No. 313987

©1987 Printed in Taiwan R.O.C.

Black & Decker (U.S.) Inc., U.S. Power Tools Group, P.O. Box 798, Hunt Valley, MD 21030-0798

U.S. Patents: 4,699,123;4,733,651 Other Patents Pending