c. Reassemble per **Section III.**

IX. Heat Gun Case

a. Disassemble per **Section II.**
b. On model without bracket (A), unwind cordset (20) from boss (17). On models with bracket (A), remove screws and lift bracket from heat gun housing.
c. Remove screw (13) and remove entire inner assembly from old housing.
d. Place assembly in new housing. For model without bracket (A), dress all wires and cordset as shown. For other models, dress wire as shown, but do not wind cordset (20) around boss (17). Replace bracket and screws (A).
e. Replace and tighten screw (13).
f. Reassemble per **Section III.**

WARNINGS

1. Keep your work area in proper order.
Always return the heat gun tool to its original holder when not in use. Do not place combustible materials near the hot air stream of a heat gun or point the gun in the direction of combustible materials.

2. Be aware of your surroundings.
Don´t use the heat gun tool in a moist or wet environment.

3. Protect yourself against electrical shocks.
Avoid touching grounded parts with your body, e.g. pipes, heating radiators, stoves or refrigerators.

4. Keep children at a distance.
Don´t allow other people to touch or disturb the heat gun tool or cord. Keep other people away from your work area.

5. Store your heat gun tool in an appropriate place.
Unused heat gun tools should be stored in a dry location which is out of the reach of children; some place high or in a locked cabinet. Switch off all unused heat gun tools.

6. Do not overload your heat gun tool.
Use the heat gun tool only with the specified voltage or specified pressure and pressure range.

7. Use the appropriate heat gun tool.
Don´t use a heat gun tool whose performance is not adequate for your work. Never use the heat gun tool for purposes for which it was not designed.

8. Wear suitable work clothes.
There is a danger of burning yourself with hot air. Wear the corresponding protective clothing in order to protect yourself against burns.

9. Protect your eyes.
Wear protective eye wear. When working with bonding agents it is particularly important to observe the warning notices of the bonding agent manufacturer. Protect yourself by observing the warning notices of the bonding agent manufacturer. There is a danger or burning yourself with hot air.

10. Use a vapor suction device.
If devices for vapor suction are available, ensure that these are connected and correctly used, when removing paint, or curing an epoxy, etc.

11. Do not use the cord for purposes for which it is not designed.
Never carry the heat gun tool by the cord. Don´t use the cord to pull the power plug from the socket. Protect the cord from heat, oil and sharp edges.

12. Protect the work place.
Use clamping devices to hold the work in place. This is more secure than using your hands, and leaves both hands free to work with the heat gun tool.

13. Avoid abnormal posture.
Set up your work place with proper ergonomics. Avoid bad posture when working.

14. Take care of the heat gun tool.
Keep the heat gun tool clean for better and safer work. Follow the maintenance instructions and the notices concerning changing the nozzles. Regularly inspect all connected cords and hoses. Repairs should only be carried out by a qualified technician. Use only original Weller replacement parts.

15. Remove the power plug from the socket before opening the unit.

16. Remove all maintenance tools.
Before switching on the unit, check that all maintenance tools have been removed from the unit.

17. Pay attention.
Be careful of what you do. Work with caution. Don´t use the soldering tool if you are not concentrating on your work.

18. Inspect the heat gun tool for any damage.
Before further use of the heat gun tool, safety devices or slightly damaged parts must be carefully checked for error free and intended operation. Inspect moving parts for error free operation and that they don´t bind, or whether any parts are damaged. All parts must be properly mounted and all requirements fulfilled for guaranteed error free operation of the heat gun tool. Damaged safety devices and parts must be repaired or replaced by a qualified technician, so long as nothing is indicated in the Operation Manual.

19. Attention
Use only accessories or attachments which are listed in the accessories list of the Operation Manual. Use only Weller accessories or attachments on original Weller equipment. Use of other tools and other accessories can lead to a danger of injury.

20. Repairs to your heat gun tool should be carried out by a qualified technician.
This heat gun tool is in accordance with relevant safety regulations. Repairs should only be carried out by a qualified technician using original Weller replacement parts. Failure to do so can lead to accidents for the operator.

21. Do not work on electrically live parts.
The antistatic designed tools are conductive.

22. Applications with other Weller equipment.
If the heat gun tool is to be used together with other Weller equipment and attachments, also observe the warning notices given in the corresponding operation manual.

23. Observe the valid safety regulations for your workplace.

Weller Model 6966 Heat Gun
One Year Limited Warranty

Your Weller Heat Gun was carefully tested and inspected before it was shipped from the factory. We warrant this product to be free from defects in materials and workmanship under normal use and service for one year from the date of purchase. In the event of a defect in materials or workmanship, we will either repair or replace without charge, at our option, any part which in our judgment shows evidence of such defect within one year of purchase.
This warranty does not apply if the Heat Gun has been misused, abused, altered, tampered with, or used on voltage other than specified on the nameplate. At the end of the warranty period, Weller shall be under no further obligation expressed or implied.
This warranty gives you specific rights, and you may also have other rights which may vary from state to state.
For repair services, return your Heat Gun prepaid, with a note describing the problem to:

- Apex Tool Group, LLC, 1000 Lufkin Road, Apex, NC 27539, ATTN: Weller Repair Department
- Apex Tool Group, 164 Innisfil Stree, Barrie, Ontario, Canada L4N 3E7, ATTN: Weller Repairs

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Rev. 1/07

Warning: Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- **Lead from lead-based paints,**
- **Crystalline silica from bricks and cement and other masonry products, and**
- **Arsenic and chromium from chemically-treated lumber.**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

Warning: This product, when used for soldering and similar applications, produces chemicals know to the State of California to cause cancer and birth defects or other reproductive harm.

Apex Tool Group, LLC
1000 Lufkin Road,
Apex, NC 27539
ATTN: Weller Repair Department
Tel: (800) 476-3030 Exr. 1
Fax: (919) 387-2640

Apex Tool Group,
164 Innisfil Stree, Barrie,
Ontario, Canada L4N 3E7
ATTN: Weller Repairs

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www.apextoolgroup.com

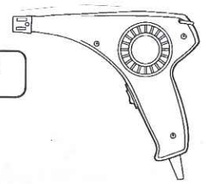
SAVE THIS INSTRUCTIONS

Weller®

OPERATING INSTRUCTIONS

6966
HEAT GUN
ESD SAFE

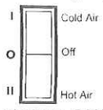
6966 HEAT GUN - ESD SAFE



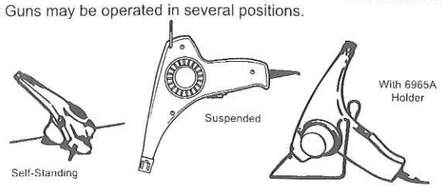
READ SAFETY INSTRUCTIONS ON THIS PAGE BEFORE OPERATING HEAT GUN

OPERATION

1. Connect power cord to main AC outlet. (Do not use DC).
2. Place appropriate baffle over nozzle of gun before turning power switch on.



3. The trigger power switch has three positions. The Hot Air (II) position will produce air temperature at nozzle of approximately 800°F in 10 seconds. **SWITCH TO COLD AIR 30-45 SECONDS BEFORE TURNING OFF.** This will increase the life of the heating element.
4. Keep nozzle at least 1/4" from the surface to be heated. Restricting the air flow from the nozzle may cause damage to your heating element. **CAUTION: Heat Gun should never be placed in a position where the stream of hot air is directed onto table surfaces or flammable materials.**
5. The Heat Guns may be operated in several positions.



6. To remove or change baffles when hot, simply trigger power switch to Cool Air position (I); hold handle of gun in one hand and remove the hot baffle with a pair of long nose pliers.

HEAT GUN BAFFLE ACCESSORIES

6957
Shrink Tubing Reflector
1 ½" Reflector,
¾" Diameter
For large shrinking applications.

6956
Shrink Tubing Reflector
½" Reflector,
½" Diameter
Designed for general heat shrinking applications.

6958
Reducing Baffle
For critical heat direction. Reduces air flow at nozzle to .200".

6964
Precision Reflector
Designer for shrinking miniature tubing and insulators.

Important Safety Instructions

Read These Instructions

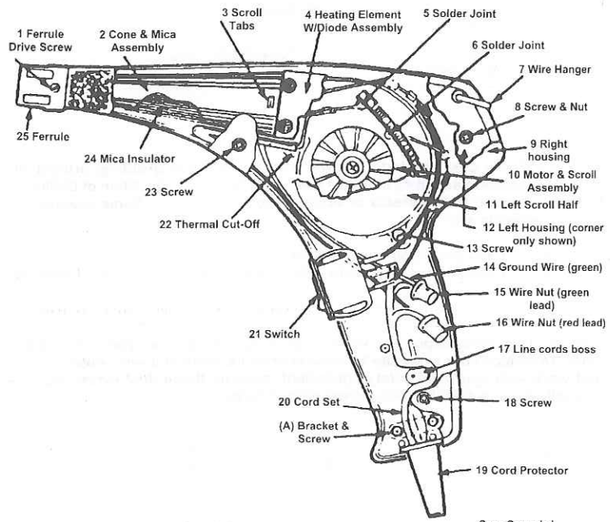
Hidden areas such as behind walls, ceilings, floors, soffit boards and other panels may contain flammable materials that could be ignited by the heat gun when working in these locations. The ignition of these materials may not be readily apparent and could result in property damage and injury to persons. When working in these locations, keep the heat gun moving in a back-and-forth motion. Lingering or pausing in one spot could ignite the panel or the material behind it.

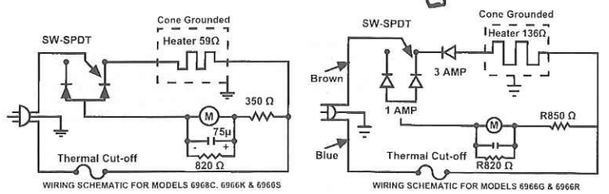
WARNING: Extreme care should be taken when stripping paint. The peelings, residue and vapors of paint may contain lead, which is poisonous. Any pre-1977 paint may contain lead and paint applied to homes prior to 1950 is likely to contain lead. Once deposited on surfaces, hand to mouth contact can result in the ingestion of lead. Exposure to even low levels of lead can cause irreversible brain and nervous system damage; young and unborn children are particularly vulnerable.

Before beginning any paint removal process you should determine whether the paint you are removing contains lead. This can be done by your local health department or by a professional who uses a paint analyzer to check the lead content of the paint to be removed. **Lead based paint should only be removed by a professional and should not be removed using a heat gun.**

Persons removing paint should follow these guidelines:

1. Move the work piece outdoors. If this is not possible, keep the work area well ventilated. Open the window and put an exhaust fan in one of them. Be sure the fan is moving the air from inside to outside.
2. Remove or cover any carpets, rugs, furniture, clothing, cooking utensils and air ducts.
3. Place drop cloths in the work area to catch any paint chips or peelings. Wear protective clothing such as extra work shirts, overalls and hats.
4. Work in one room at a time. Furnishings should be removed or placed in the center of the room and covered. Work areas should be sealed off from the rest of the dwelling by sealing doorways with drop cloths.
5. Children, pregnant or potentially pregnant women and nursing mothers should not be present in the work area until the work is done and all clean up is complete.
6. Wear a dust respirator mask or a dual filter (dust and fume) respirator mask which has been approved by the Occupational Safety and Health Administration (OSHA), the National Institute of Safety and Health (NIOSH), or the United States Bureau of Mines. These masks and replaceable filters are readily available at major hardware stores. Be sure the mask fits. Beards and facial hair may keep masks from sealing properly. Change filters often. **Disposable paper masks are not adequate.**
7. Use caution when operating the heat gun. Keep the heat gun moving, as excessive heat will generate fumes which can be inhaled by the operator.
8. Keep food and drink out of the work area. Wash hands, arms and face and rinse mouth before eating or drinking. Do not smoke or chew gum or tobacco in the work area.
9. Clean up all removed paint and dust by wet mopping the floors. Use a wet cloth to clean all walls, sills and any other surface where paint or dust is clinging. **Do not sweep, dry dust or vacuum.** Use a high phosphate detergent or trisodium phosphate (TSP) to wash and mop areas.
10. At the end of each work session put the paint chips and debris in a double plastic bag, close it with tape or twist ties, and dispose of properly.
11. Remove protective clothing and work shoes in the work area to avoid carrying dust into the rest of the dwelling. Wash work clothes separately. Wipe shoes off with a wet rage that is then washed with the work clothes. Wash hair and body thoroughly with soap and water.





WIRING SCHEMATIC FOR MODELS 6968C. 6966K & 6966S

WIRING SCHEMATIC FOR MODELS 6966G & 6966R

I. Replacement Part Numbers

120V	240V	Description
168	168	Cone and Insulator
182	182G	Heating Element with Diode Assembly
183K	-	Heating Element with Diode Assembly for Model 6966K
183	183G	Motor and Scroll Assembly
185	185	Ferrule
187	187G	3-Wire Cord Assembly
187K	-	3-Wire Cord Assembly for Model 6966K
188	188	Hot-Off-Cold Switch
189	189	Heat Gun Case
6956	6956	Shrink Tubing Reflector
6957	6957	Shrink Tubing Reflector
6958	6958	Reducing Baffle
6964	6964	Precision Reflector

II. Disassembly

a. Insert diagonal pliers under head of ferrule drive screw (1) and remove.
b. Slide ferrule (25) forward to remove.
c. Open wire hanger (7) and remove.
d. Remove screws (18) and (23) and screw and nut (8).
e. Lift left housing (12) to expose inner assembly.

III. Assembly

a. Position cord protector (19) as shown.
b. Check wiring for shorts and grounds.
c. Position left housing (12), aligning screw holes.
d. Replace screws (18) and (23) and screw and nut (8).
e. Replace switch (21) by snapping into place. Make sure it is well-seated.
f. Replace ferrule (25), aligning screw hole and press in drive screw (1).
g. Close wire hanger (7) into holes of housing assembly (9).

IV. Cone and Insulator Assembly

a. Disassemble per Section II.
b. Cut off wire nut (15).
c. Remove scroll and motor assembly (10). Remove screw (13) and lift scroll and motor assembly (10) off right housing (9).
d. Remove cone and mica insulator assembly (2). Squeeze wide end of one (2) to (top and bottom) to release from tabs (3) on scroll assembly, remove tape strips to release cone.
e. Remove mica insulator (24) from heating element with diode assembly (4). Replace with new mica insulator packaged in replacement cone and insulator assembly.
f. Replace cone (2) by snapping cone over tabs (3) on barrel end of scroll, positioning green lead of con (2) between cone and right housing (9). For heat guns without tabs (3) on motor and scroll assembly, place aluminum tape strips provided across junction of motor and scroll assembly and con to secure cone.
g. Position ground wire (14) (green; yellow-green, 220 models) from cone under switch (21).
h. Strip end of green lead of cordset (20) and twist green leads together and screw on wire nut (15).
i. Reassemble per **Section III.**

V. Heating Element with Diode Assembly

a. Disassemble per Section II.
b. Remove screw (13) and lift motor and scroll assembly (10) off right housing (9).
c. Squeeze wide end of cone (2) (top and bottom) to release for tabs (3) on scroll (or remove tape strips); then remove cone.
d. Remove left scroll half (11).
e. Desolder joints at points (5) and (6). **CAUTION: Do not overheat solder joints or adjacent plastic will melt.**
f. Remove red wire leads from terminals on switch (21).
g. Lift heating element with diode assembly (4) away from housing (9).
h. Slip new heating element with diode assembly into motor and scroll assembly (10) and resolder bare leads at solder joints (5) and (6) as shown. See **CAUTION** note, **section V, Step 5.**
i. Snap left scroll half (11) over motor and scroll assembly (10) and snap cone (2) over tabs (3) on barrel end of scroll (or replace tape strips), positioning green lead of cone between cone (2) and right housing (9). Replace scroll and cone in original position as shown, making sure no leads are underneath motor and scroll assembly (10). Replace screw (13) and tighten.
j. Attach red leads with connectors to switch (21) as shown.
k. Connect red lead from thermal cutoff (22) to remaining lead from cordset. Twist bare leads together and screw on plastic wire nut (16).
l. Reassemble per **Section III.**

VI. Motor and Scroll Assembly

a. For removal of motor and scroll assembly (10) follow steps 1 through 5 in **Section II,** and steps 1 through 5 in **Section V.**
b. Remove motor and scroll assembly (10) without disconnecting heating element with diode assembly (4).
c. Insert replacement motor and scroll assembly.
d. Resolder bare leads at solder joints (5) and (6). See **CAUTION** note, **Section V, step 5.**
e. Dress wires (See Illustration).
f. Join left scroll half (11) with motor and scroll assembly (10) **per step 9 in Section V.**
g. Reassembly per **Section III.**

VII. Three Wire Cordset Assembly

a. Disassemble per **Section II**.
b. Remove center lead connector from center terminal on Switch (21).
c. Cut and remove plastic wire nut (15) on green lead to thermal cutoff (22).
d. Cut and remove plastic wire nut (16) connecting red leads.
e. Remove old cordset (20).
f. Join connector of new cord to center terminal on switch (21).
g. Join green leads by twisting them together. Screw on plastic wire nut (15).
h. Join remaining cordset lead to thermal cutoff (22) lead by twisting two leads together. Screw on plastic wire nut (16).
i. For model without bracket (A), dress all wire and cordset as shown. For other models, dress wires as shown, but do not wind cordset (20) around boss (17). Replace bracket and screws (A).

VIII. Hot/Off/Cold Switch

a. Disassemble per **Section II.**
b. Remove first connector from old switch terminal and position it in the corresponding location on new switch terminal and position it in the corresponding location on new switch terminal (21). Repeat procedure with the other 2 terminals.