

SOLDERING GUN

Item Number W2012

OWNER'S MANUAL



Performance Tool®

▲WARNING

It is the owner and/or operators' responsibility to study all WARNINGS, operating, and maintenance instructions contained on the product label and instruction manual prior to operation of this product. The owner/operator shall retain product instructions for future reference.

The owner and/or operator are responsible for maintenance, maintaining all decals or warning labels and while in use, maintaining the unit in good working order. If the owner and/or operator are not fluent in English, the product warnings and instructions shall be read and discussed with the operators' native language by the purchaser/owner or his designee. Make sure that the operator comprehends its contents. Safety information shall be emphasized and understood prior to usage. The product shall be inspected per the operating instructions.

Users of this product must fully understand these instructions. Each person operating this product must also be of sound mind and body and must not be under the influence of any substance that might impair their vision, dexterity, or judgment.

Protect yourself and others by observing all safety information.

Failure to comply with instructions could result in personal injury and/or property damage! If you encounter any problems or difficulties, please contact our customer service department at: 1-800-426-1262 between 6:30 a.m. and 4:30 p.m. Pacific time.

On occasion, after printing of our literature is completed, our manufacturers may make changes and/or modifications to merchandise which will not be reflected in this manual. Although we strive to maintain complete and accurate information, it is possible in some instances, that the product may differ slightly from printed specifications. Illustrations are intended for reference only. Actual merchandise may vary. Wilmar is not responsible for typographical errors.



Please read these instructions carefully and retain them for future use.

SAFETY GUIDELINES / DEFINITIONS

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based upon the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

▲ WARNING: Read and understand this entire instruction manual before attempting to assemble, install, operate or maintain this product. Failure to comply with the instructions may result in serious personal injury and/or property damage!

The following signal words are used to emphasize safety warnings that must be followed when using this product:

▲ DANGER Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury.

▲ WARNING Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury.

▲ CAUTION Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury.

▲ NOTICE Indicates important information, which if not followed, MAY cause damage to equipment.

IMPORTANT SAFETY INFORMATION

▲ WARNING

READ, UNDERSTAND AND FOLLOW ALL INSTRUCTIONS AND WARNINGS BEFORE OPERATING THIS TOOL. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE AND WILL VOID WARRANTY.

1. Use personal protective equipment. Always wear eye protection.
2. Keep your work area clean and well lit.
3. Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from hot parts.
4. Only use safety equipment that has been approved by an appropriate standards agency.
5. Do not overreach. Keep proper footing and balance at all times.
6. Keep bystanders, children, and visitors away while operating this product.
7. Stay alert. Watch what you are doing, and use common sense when operating this product. Do not use this product while tired or under the influence of drugs, alcohol or medication.
8. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.
9. Tool/equipment service must be performed only by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.
10. Prevent unintentional starting. Ensure the Trigger is in the off position before connecting to power source, picking up or carrying the tool.
11. Maintain labels and nameplates on this product. These carry important information. If unreadable or missing, contact Performance Tool for a replacement.
12. Power tool plugs must match the outlet. Never modify the plug in any way.
13. Do not use any adapter plugs with grounded power tools.
14. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.
15. Do not expose power tools to rain or wet conditions.
16. If operating a power tool in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply.
17. Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.
18. The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors, which cannot be built into this product, but must be supplied by the operator.

▲ WARNING: This product and its packaging contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

SPECIFICATIONS

Electrical Rating: 120V~ / 60Hz / 180 W
Maximum temperature: 1135°F
Light Bulb: 6 volt, 3 watt

Specifications are subject to change without notice.

TOOL USE & CARE

1. Do not use the power tool if the Trigger does not turn it on and off.
2. Do not force the power tool. Use the correct power tool for your application.
3. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.
4. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.
5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.
6. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.

TOOL SAFETY

1. Avoid Serious Burns. The Soldering Gun reaches 1135° F. Do not point the Soldering Gun, or turn yourself toward another person while soldering.
 - Ulcers
 - Damage to the reproductive organs
 - Inflammation of the small intestine or stomach
 - Kidney damage
 - Respiratory diseases such as emphysema, bronchitis, or pneumonia
2. Do not open Soldering Gun. Do not attempt to open and repair this unit. It must be serviced by a qualified technician..
3. Do not leave the tool unattended when it is plugged into an electrical outlet
4. To prevent electric shock, always de-energize any circuits or wires to be soldered before making connections and soldering.
5. Keep head out of fumes.
6. Exposure to soldering fumes can increase the risk of developing certain cancers, such as cancer of the larynx and lung cancer. Also, some diseases that may be linked to exposure to soldering fumes are:
 - Early onset of Parkinson's Disease
 - Heart disease
7. Never lay the Soldering Gun down where the heated parts can contact flammable materials or electrical wires.
8. **WARNING:** This product, when used for welding, plasma cutting, soldering, or similar applications, produces chemicals known to the State of California to cause cancer and birth defects (or other reproductive harm). (California Health & Safety Code § 25249.5, et seq.)
9. **WARNING:** Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, et seq.)

GROUNDING

⚠ WARNING: TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. if damaged, have it repaired by a service facility before use. if the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

GROUNDING TOOLS: TOOLS WITH THREE PRONG PLUGS

1. Tools marked with "Grounding Required" have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the tool should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. (See Figure A.)
2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the tool. The green wire in the cord must be the only wire connected to the tool's grounding system and must never be attached to an electrically "live" terminal. (See Figure A.)
3. Your tool must be plugged into an appropriate outlet, properly installed and

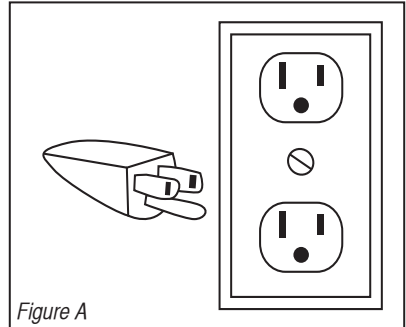


Figure A

grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the following illustration. (See Figure A)

DOUBLE INSULATED TOOLS: TOOLS WITH TWO PRONG PLUGS

1. Tools marked "Double Insulated" do not require grounding. They have a special double insulation system which satisfies OSHA requirements and complies with the applicable standards of Underwriters Laboratories, Inc., the Canadian Standard Association, and the National Electrical Code. (See Figure B.)
2. Double insulated tools may be used in either of the 120 volt outlets shown in the following illustration. (See Figure B.)

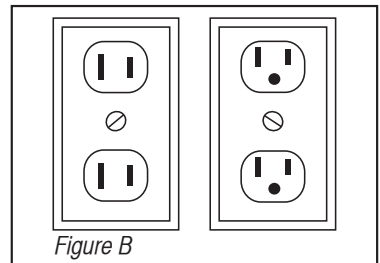


Figure B

EXTENSION CORDS

1. Grounded tools require a three wire extension cord. Double Insulated tools can use either a two or three wire extension cord.
2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. (See table a.)
3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. (See table a.)
4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. (See table a.)

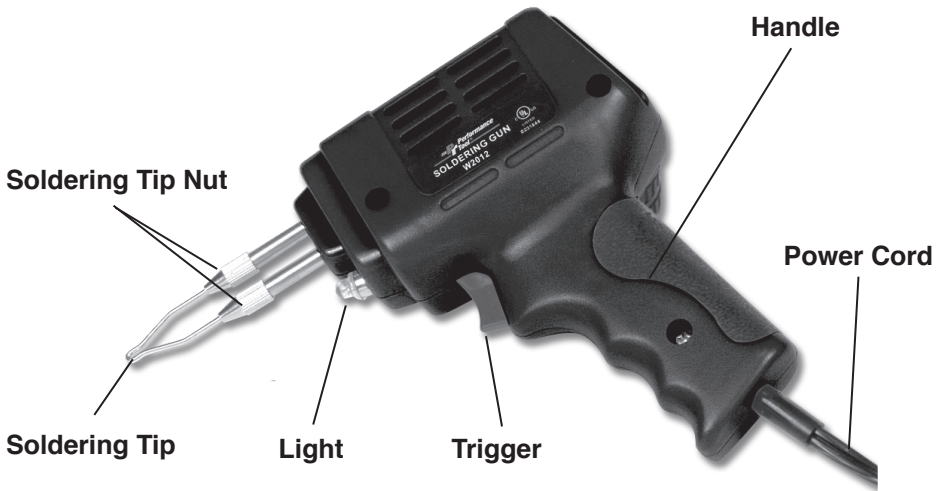
RECOMMENDED MINIMUM WIRE GAUGE FOR EXTENSION CORDS* (120/240 VOLT)

NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH				
	25'	50'	75'	100'	150'
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-

TABLE A

* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

PARTS DESCRIPTION



TOOL SET UP

▲ WARNING! To prevent serious injury from accidental operation: Make sure that the trigger is in the off position and unplug the tool from its electrical outlet before performing any procedure in this section.

1. Using Wrench, check that the Soldering Tip Nuts are not loose. Do not overtighten.
2. The Soldering Gun comes with three Soldering Tips for different applications. Select desired Soldering Tip and install following soldering tip replacement directions outlined in the Maintenance and Servicing section on Page 6.

OPERATING INSTRUCTIONS

1. Set the Soldering Gun on the workbench, and plug the Power Cord into an electrical outlet.
2. Press on the Trigger until the Soldering Tip heats up.
3. Apply a sufficient amount of rosin-core solder to melt over the entire Soldering Tip. Wipe the tip with a rag until the tip is clean and shiny.
4. Brush on solder flux, as needed, to the workpiece. Place the Soldering Tip to the joint, wiring splice, or metal to be soldered.
5. Apply solder to the wire splice or metal to be soldered, not the Soldering Tip. When the splice or metal is hot enough, it will melt the solder causing it to flow within the splice or between the metal surfaces.
6. When the solder has flowed over the entire wire splice or metal surface, remove the Soldering Tip and release the Trigger.
7. To prevent accidents, turn off the tool and unplug it after use. Clean, then store the tool indoors out of children's reach.

MAINTENANCE

▲ WARNING! To prevent serious injury from accidental operation: Make sure that the trigger is in the off position, unplug the tool from its electrical outlet, and allow it to cool completely before performing any procedure in this section.

▲ WARNING! To prevent serious injury from tool failure: Do not use damaged equipment if abnormal noise or vibration occurs, have the problem corrected before further use.

1. Before each use, inspect the general condition of the tool.

Check for:

- Loose hardware
- Misalignment or binding of Moving parts
- Damaged cord/electrical wiring
- Cracked or broken parts
- Any other condition that may affect its safe operation.

2. After use, heat up the Soldering Tip again and apply a small amount of rosin-core solder to coat the tip. Wipe off with a rag. This will leave the tip clean and ready for use.

3. If the Soldering Tip cracks or becomes eroded, it needs to be replaced:

a. Using Wrench, loosen the Soldering Tip Nuts by turning counterclockwise.

b. Pull the old Soldering Tip out of the Transformer Assembly mounting posts.

c. Slide the ends of the new Soldering Tip into the mounting posts of the Transformer Assembly.

d. Carefully tighten the Nuts over the mounting posts by turning clockwise. Make sure that the Nuts fit squarely over threads or damage will occur to the mounting post threads. Do not overtighten.

4. To replace the Light Bulb:

a. Remove the Light Bulb Lens from the front of the Soldering Gun.

b. Pull out the burnt Light Bulb and replace with a new one of the same voltage and type. See Specifications on Page 3.

c. Replace the Light Bulb Lens.

5. **WARNING!** If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

1 YEAR LIMITED WARRANTY

PERFORMANCE TOOL® extends only the following warranties, and only to original retail purchasers. These warranties give specific legal rights. Except where prohibited by local law, the law of the State of Washington governs all warranties and all exclusions and limitations of warranties and remedies. There may be other rights which vary from state to state.

PERFORMANCE TOOL® warrants the product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. After 90 days and up to one year from date of purchase, PERFORMANCE TOOL® will replace at no charge any parts which our examination shall disclose to be defective and under warranty. These warranties shall be valid only when a sales receipt showing the date of purchase accompanies the defective product or defective part(s) being returned. For part(s) after 90 days, please remit your request, postage prepaid to:

PERFORMANCE TOOL, P.O. Box 88259 Tukwila, WA 98138

These warranties exclude blades, bits, punches, dies, bulbs, fuses, hoses, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which has been subject to misuse, neglect, accident or wear and tear incident to normal use and service.

PERFORMANCE TOOL® does not authorize any other person to make any warranty or to assume any liability in connection with its products.

Except for warranties of title and the limited express warranties set forth above, PERFORMANCE TOOL® makes no express or implied warranties of any kind with respect to its products. In particular, PERFORMANCE TOOL® makes no implied warranty of merchantability and no implied warranty of fitness for any particular purpose, except that for goods purchased primarily for personal, family or household use and not for commercial or business use, PERFORMANCE TOOL® makes an implied warranty of merchantability (and, if otherwise applicable, an implied warranty of fitness for a particular purpose), but only for the particular qualities or characteristics, and for the duration, expressly warranted above. The laws on limitation of implied warranties may differ from state to state, so the above limitations may not apply in all cases.

PERFORMANCE TOOL® shall not be liable for consequential, incidental or special damages resulting from or in any manner related to any product, or to the design, use, or any inability to use the product. The sole and exclusive remedy for a defective product or part shall be the repair, or replacement thereof as provided above. The laws on limitation of remedies or on consequential, incidental or special damages may vary from state to state, so the above limitations may not apply in all cases.