



SOLDERING GUN

40W

SPECIFICATIONS

Power Rating	40W (30 to 130 W)
Voltage Rating	120V AC
Temperature Rating	788 to 824°F (420 to 450 °C)
Heating Time	300 seconds
Tip to Ground Resistance	Less than 0.1 ohm
Tip Size	O.D.: 1.2 mm
Tip Type	Conical
Material	PC/rubber/steel/copper
Cord Length	4.6 ft

SAFETY

WARNING! Read and understand all instructions before using this tool. The operator must follow basic precautions to reduce the risk of personal injury and/or damage to the equipment.

Keep this manual for safety warnings, precautions, operating or inspection and maintenance instructions.

1. Use the correct tool for the job. This tool was designed for a specific function. Do not modify or alter this tool or use it for an unintended purpose.
2. Operate in a safe work environment.
3. Control the tool, personal movement and the work environment to avoid personal injury or damage to tool.
4. Do not operate any tool when tired or under the influence of drugs, alcohol or medications.
5. Always wear impact safety goggles that provide front and side protection for the eyes. Eye protection equipment should comply with CSA Z94.3-07 or ANSI Z87.1 standards based on the type of work performed.
6. Wear protective clothing designed for the work environment and tool.

7. Always keep fingers, hands, body, and clothing away from heated components of this tool.
8. The tool will remain hot for a few minutes after use. Always rest the tool on a stand where heat from the tool cannot damage nearby items.
9. Unplug the power cord and allow the tool to cool down before storing the soldering gun in a dry place out of the reach of children.
10. Never leave the soldering gun unattended.
11. Protect yourself against electric shocks when working on electrical equipment. Avoid body contact with grounded surfaces.

UNPACKING

WARNING! Do not operate the tool if any part is missing. Replace the missing part before operating. Failure to do so could result in a malfunction and personal injury.

Remove the parts and accessories from the packaging and inspect for damage.

OPERATION

1. File off any dirt, rust or paint on the part you wish to solder.
2. Plug the soldering iron into the power supply. The soldering iron will heat up immediately at low power. The iron will reach full temperature in five minutes.
3. Squeeze and hold the trigger to increase the power and decrease the heating time to 30 seconds. Release the trigger once the iron is hot enough.
4. Heat the part with the soldering gun.
5. Apply rosin-based solder to the part and melt it with the soldering gun. When using non-rosin-based solder, be sure to apply a soldering paste to the part before

applying the solder.

6. Wait for the solder to cool and harden before moving the soldered part.
7. Unplug the soldering iron and allow to cool before storing.

CARE & MAINTENANCE

1. Maintain the tool with care. A tool in good condition is efficient, easier to control and will have fewer problems.
2. Inspect the tool components periodically. Repair or replace damaged or worn components. Only use identical replacement parts when servicing.
3. Follow instructions for lubricating and changing accessories.
4. Only use accessories intended for use with this tool.
5. Replace the tip by unscrewing the barrel's screw and inserting a new tip, then tightening the screw. Do not overtighten as this can damage the heating element.

WARNING! Only qualified service personnel should repair the tool. An improperly repaired tool may present a hazard to the user and/or others.

TROUBLESHOOTING

Visit a Princess Auto Ltd. location for a solution if the tool does not function properly or parts are missing. If unable to do so, have a qualified technician service the tool.