



Manuals.plus /

› Guangcailun /

› Guangcailun AMZFlush36688A Suction Soldering Desoldering Pump Instruction Manual

Guangcailun AMZFlush36688A

Guangcailun AMZFlush36688A Suction Soldering Desoldering Pump Instruction Manual

Model: AMZFlush36688A

1. INTRODUCTION

The Guangcailun AMZFlush36688A is a manual suction desoldering pump designed for efficient removal of molten solder from circuit boards and electronic components. Its robust metal construction and spring-loaded piston provide powerful suction, making it suitable for various repair and rework tasks. This instruction manual provides guidance on the proper use and maintenance of your desoldering pump.



Figure 1: Overall view of the Guangcailun AMZFlush36688A Desoldering Pump. It features a silver metal body with a textured grip, a blue plastic section, and a black plunger button.

2. SAFETY PRECAUTIONS

- Always wear appropriate eye protection when desoldering.
- Ensure adequate ventilation to avoid inhaling solder fumes.
- Handle hot soldering irons and molten solder with extreme care to prevent burns.
- Do not point the desoldering pump at yourself or others when the plunger is cocked.
- Keep out of reach of children.

3. SETUP

The Guangcailun AMZFlush36688A desoldering pump is ready for use out of the box. No assembly is required. Before first use, familiarize yourself with its components:

- **Nozzle Tip:** The white, heat-resistant tip that contacts the molten solder.
- **Plunger Button:** The black button on the side that releases the spring-loaded piston.
- **Piston Rod:** The internal rod that creates the vacuum.

- **Body:** The main housing of the pump.



Figure 2: Close-up view of the desoldering pump's nozzle tip and the textured metal grip section, designed for secure handling.

4. OPERATING INSTRUCTIONS

Follow these steps for effective solder removal:

1. **Prepare the Pump:** Push the plunger rod down until it locks into place. You will hear a click. The pump is now "cocked" and ready to create suction.
2. **Heat the Solder:** Using a soldering iron, heat the solder joint you wish to desolder until the solder becomes molten.
3. **Position the Pump:** Immediately place the nozzle tip of the desoldering pump directly over the molten solder. Ensure a good seal between the tip and the component/PCB.
4. **Activate Suction:** Press the black plunger button firmly. The spring-loaded piston will retract rapidly, creating a vacuum that sucks the molten solder into the pump's chamber.
5. **Repeat if Necessary:** If all solder is not removed in one attempt, re-heat the joint and repeat steps 3 and 4.



Figure 3: Side view of the desoldering pump, highlighting the black plunger button. This button is pressed to activate the suction mechanism.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your desoldering pump.

- **Cleaning the Solder Chamber:** After several uses, the internal chamber will accumulate solder. To clean, unscrew the nozzle section or the rear cap (depending on the model design) and tap out the solidified solder.
- **Tip Cleaning:** The internal piston pin automatically cleanses solder from the tip with each use. However, if the tip becomes clogged, it can be removed and cleaned manually.
- **Tip and O-ring Replacement:** Over time, the nozzle tip and internal O-rings may wear out, affecting suction efficiency. These components are designed to be replaceable. Refer to the manufacturer's website or product packaging for replacement parts.



Figure 4: Close-up view of the desoldering pump's plunger mechanism, showing the internal rod and the black end cap. This section can be disassembled for cleaning and maintenance.

6. TROUBLESHOOTING

- **Weak Suction:**
 - Check if the nozzle tip is clogged with solder. Clean as described in the Maintenance section.
 - Inspect the nozzle tip and internal O-rings for wear or damage. Replace if necessary.
 - Ensure the plunger is fully cocked before use.
 - Verify that the solder is fully molten before activating the pump.

- **Solder Not Being Removed:**

- Ensure the soldering iron is hot enough to melt the solder completely.
- Make sure the pump's nozzle forms a tight seal over the molten solder.
- The component might have too much solder or be multi-layered; try applying more heat or repeating the process.

7. SPECIFICATIONS

Brand	Guangcailun
Model Number	AMZFlush36688A
Manufacturer	Flushzing
Material	Plastic, Metal
Dimensions (Approx.)	10cm (Length)
Features	High Suction Effect, Light Weight, Easy One-Hand Use, Automatic Tip Cleaning

8. WARRANTY AND SUPPORT

Information regarding specific warranty terms or direct customer support for the Guangcailun AMZFlush36688A desoldering pump is not available in this manual. Please refer to the product packaging, the retailer's return policy, or the manufacturer's official website for details on warranty coverage and support options.