

This manual is designed to familiarize and instruct the operator with the proper operation and maintenance of the equipment. The "Care and Safety Precautions" section explains the hazards of using any type of soldering or reworking device. Please read carefully and observe the guidelines in order to maximize usage and

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PRODUCT DESCRIPTION

The Aoyue 488A is a all in one station than combines a soldering station, sponge tray, spool holder , solder iron holder with a working platform and an optional smoke absorber attachment.

The soldering iron comes with a PTC heater for fast heat up. With a easy adjust knob for power selection and LED heater indicator.

The working platform has a metal surface to durability and acts as a attachment for magnetic helping hands and the provided magnetic PCB holders. Attached to the platform is a solder spool holder the soldering iron holder and cleaning sponge tray.

There are two kinds of optional smoke absorber attachment the regular and deluxe edition. The regular smoke absorber has an activated carbon filter to filter and direct smoke and fumes away from the work are. The deluxe smoke absorber has the activated carbon filter, an attachable exhaust duct and a LED Lamp attached on the top of the smoke absorber to light up the work area.

PACKAGE INCLUSION

Soldering Iron with Working Platform:

- Working platform with metal surface.
- Soldering Iron
- Soldering iron stand
- Solder spool holder (solder spool not included)
- Cleaning sponge tray
- Sponge

If With Regular Smoke Absorber :

- Carbon Filter
- Smoke absorber

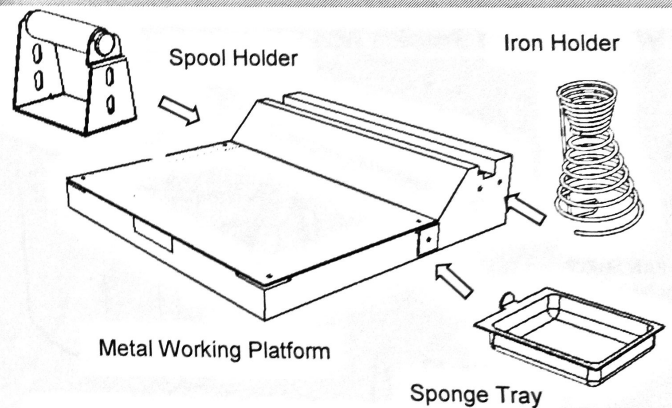
If With Deluxe Smoke Absorber :

- Carbon Filter
- Smoke absorber attachment with LED lamp
- Exhaust duct with securing ring

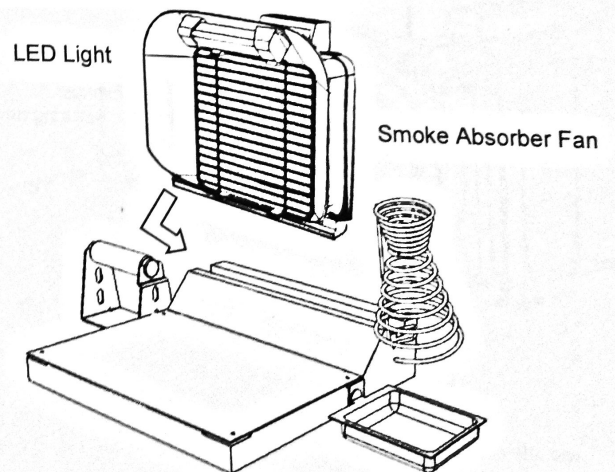
REMINDERS:

- Make sure the equipment is placed on a flat stable surface and all the heat-generating components placed on their respective holders or stands.
- Ensure all function switches are OFF prior plugging to wall outlet.
- Ensure all terminal connections are properly secured.

PRODUCT ASSEMBLY

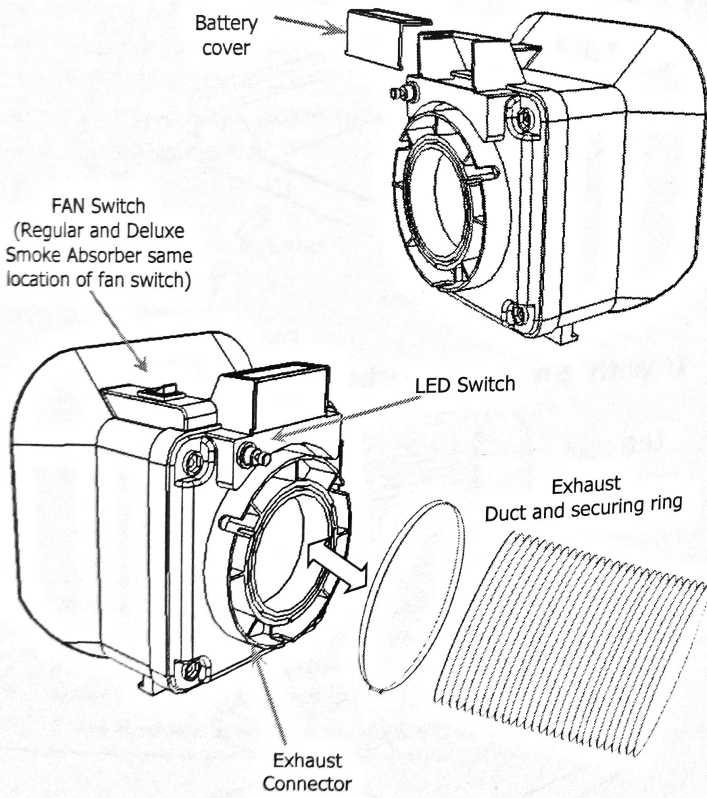


If With Smoke Absorber :



PRODUCT ASSEMBLY

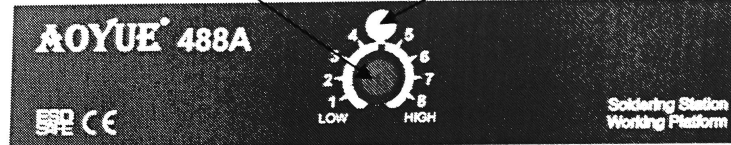
If With Deluxe Smoke Absorber :



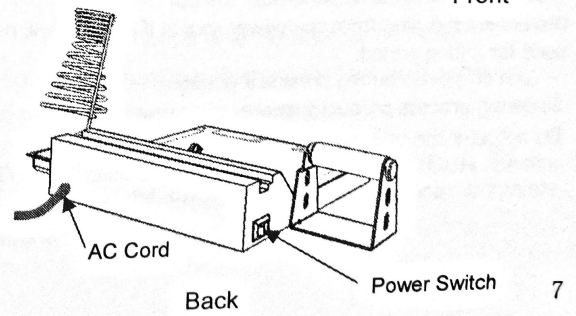
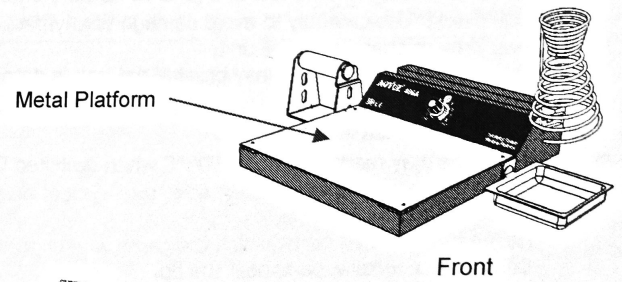
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LED INDICATOR AND CONTROL

Knob Control LED Indicator

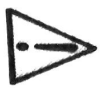


Front Control Panel



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SAFETY PRECAUTIONS



CAUTION: Improper usage can cause serious injury to personnel and/or damage to equipment and work area. For your own safety, please observe the following precautions.

- Check each component after opening the package to make sure everything is in good condition. If there are any suspected damage, do not use the item and report the issue to your vendor.
 - Turn OFF the main power switch and unplug the device from power source when moving the device.
 - Do not strike or subject the main unit (and all its components) to physical shock. Use carefully to avoid damage to any part.
 - Never drop or sharply jolt the unit.
 - Contains delicate parts that may break if the unit is dropped.
 - Make sure the equipment is always grounded. Always connect power to a grounded receptacle.
 - Temperature may reach as high as 500°C when switched ON.
 - Do not use the device near flammable gases, paper and other flammable materials.
 - Do not touch heated parts, which can cause severe burns.
 - Do not touch metallic parts near the tip.
 - Disconnect the plug from the power source if the unit will not be used for a long period.
 - Turn off power during breaks, if possible.
- Soldering process produces smoke, use on well ventilated places. Do not alter the unit, specifically the internal circuitry, in any manner. **HIGH VOLTAGE** present inside the unit. **DO NOT** attempt to service equipment.

SPECIFICATIONS

MAIN STATION

Voltage Input :	available in 110V / 220V
Station Dimensions:	200w) x 218 (h) x 58 (d) mm
Weight:	710 grams
Power Consumption:	60W
Temperature Range:	200°C - 480°C
Heating Element	PTC Ceramic heater
PTC	ceramic available in 110V / 220V

FUNCTIONS and FEATURES

- PTC ceramic heater and removable tip design.
- High power heating element for fast heat recovery.
- Temperature adjustment knob.
- With sponge tray, spool holder , solder iron holder
- Optional Smoke absorber attachment.
- Magnetic PCB holders.

OPERATING GUIDELINES

INITIAL PROCEDURES

1. Follow Assembly Guide to put together station.
2. Plug the power cord into a grounded wall socket. The station is protected against electrostatic discharge and must be grounded for full efficiency.
3. Turn Power Switch ON.
4. The unit is now ready for use.

TEMPERATURE CONTROL

1. Turn the power ON. LED indicator will start blinking indicating system is now turned "On".
2. To Increase the temperature, turn the Temperature control knob clock wise. To decrease Set temperature, turn the Temperature control knob counter clockwise.

For Optional Regular and Deluxe Smoke Absorber:

1. Plug the power cord of the fan into a grounded wall socket.
2. To switch ON the fan, turn the fan switch to ON position.
3. To turn OFF the Fan, toggle switch to OFF position

Only for Deluxe Smoke Absorber:

1. An aluminum smoke exhaust pipe is included in the package, use the securing ring to attach exhaust pipe to the exhaust connector.
2. The exhaust pipe can be pulled to lengthen and positioned such that the exhaust is directed out of the work area .
3. The integrated LED lamp needs a 9V battery to work. Slide open the battery cover and attach a 9 volt battery to the battery leads then place the 9 Volt battery into the compartment. Put battery cover back in place.
4. Press the LED switch to turn ON the LED lamp, To turn OFF the LED lamp press the LED switch again. Turn OFF LED lamp when not in use to conserve battery life.

CARE AND MAINTENANCE

1. **Tip Temperature :** High temperature shortens tip life and may cause thermal shock to components. Always use the lowest possible temperature when soldering.
2. **Cleaning :** Always clean the soldering tip before use to remove any residual solder or flux adhering to it.
3. **After usage:** Always clean the tip and coat it with fresh solder after use. This guards against oxidation and pro-longs tip life.
4. **System Care:** Never allow the unit to stay idle at high temperature for extended periods. Utilize the automated sleep feature to conserve energy, pro-long tip and heating element life. If unit will not be used for long periods it is advised to power down the unit and unplug from the mains.
5. **Inspecting and cleaning the tip:**
 - ◆ Set the temperature to level 1.
 - ◆ When the temperature stabilizes, clean the tip and check its condition. If the tip is badly worn or deformed, replace it.
 - ◆ If the solder plated part of the tip is covered with black oxide, apply fresh solder containing flux and clean the tip again. Repeat until all the oxide is removed then coat the tip with fresh solder.
 - ◆ Never file the tip to remove oxide.
 - ◆ Remaining oxides such as the yellow discoloration on the tip shaft can be removed with isopropyl alcohol.