



---

# **HAKKO 700**

**REPAIR SYSTEM**

## **INSTRUCTION MANUAL**

Please read this Instruction Manual thoroughly before operating the HAKKO 700.

## SPECIFICATION

### ■ CONTROL STATION

|                   |  |
|-------------------|--|
| Power Consumption | AC100—120, 220 or 240V<br>150W                       |
| Output Voltage    | 24V  |
| Outer Dimensions  | 260 (W) × 145 (H) × 255 (D) mm<br>(10.2 × 5.7 × 10") |
| Weight            | 7.2 kg (15.84 lb) approx.                            |
| Soldering Side    |  |
| Temperature       | 200—480° C (392—896° F)                              |
| Desoldering Side  |  |
| Temperature       | 300—400° C (572—752° F)                              |
| Vacuum Power      | 600 mmHg max.  |

### ■ SOLDERING IRON

|                       |  |
|-----------------------|--|
| Part Number           | M926   |
| Power Consumption     | AC24V 50W  |
| Temperature Control   | Control Accuracy of setting at idling temperature<br>±0.5° C (±0.9° F) |
| Insulation Resistance | Over 300M ohm at 400° C<br>(752° F) by DC500V tester                   |
| Leak Voltage          | under 0.6mV  |
| Heating Element       | Ceramic Heater 3ohm at 20° C   |
| Cord                  | 5 wired burn-proof silicon cord,<br>1.2m (4') long                     |
| Connector             | 5 pin inter-lock system  |
| Length                | 190 mm (7.5")  |
| Weight                | 45g (0.10 lb)  |
| Grip Material         | Heat resisting plastic   |

### ■ DESOLDERING IRON

|                     |  |
|---------------------|--|
| Part Number         | D700   |
| Power Consumption   | AC24V 40W  |
| Heating Element     | Ceramic Heater   |
| Filter Pipe         | Pyrex Heat Resistant Glass   |
| Cord/Suction Tube   | 1.5 m (5') long each   |
| Connector           | 4 pin inter-lock system  |
| Nozzle Inside Diam. | 1.0 mm (0.039")—standard<br>0.8 mm (0.031"), 1.3 mm (0.051")<br>& 1.6 mm (0.064")—optional |
| Weight              | 230g (0.51 lb) approx. w/o<br>Cord & Suction Tube  |

## ACCESSORIES

|  |   |   |   |
|--|---|---|---|
| IRON HOLDER FOR SOLDERING IRON                 | 1 | LARGE CLEANING PIN WITH PLASTIC HANDLE (FOR HEATING CORE) | 1 |
| IRON HOLDER FOR DESOLDERING IRON               | 1 | CLEANING WRENCH   | 1 |
| CLEANING SPONGE                                | 1 | FILTER SET (STEEL WOOL & WHITE FELT FILTERS)              | 5 |
| TIP & SPONGE TRAY                              | 1 | ANTI-SEIZING LUBRICANT                                    | 1 |
| MAGNETIC TRAY HOLDER                           | 1 | CHECK VALVE   | 1 |
| SMALL CLEANING PIN (FOR NOZZLE & HEATING CORE) | 1 |   |   |

## PART NAMES

### CONTROL STATION

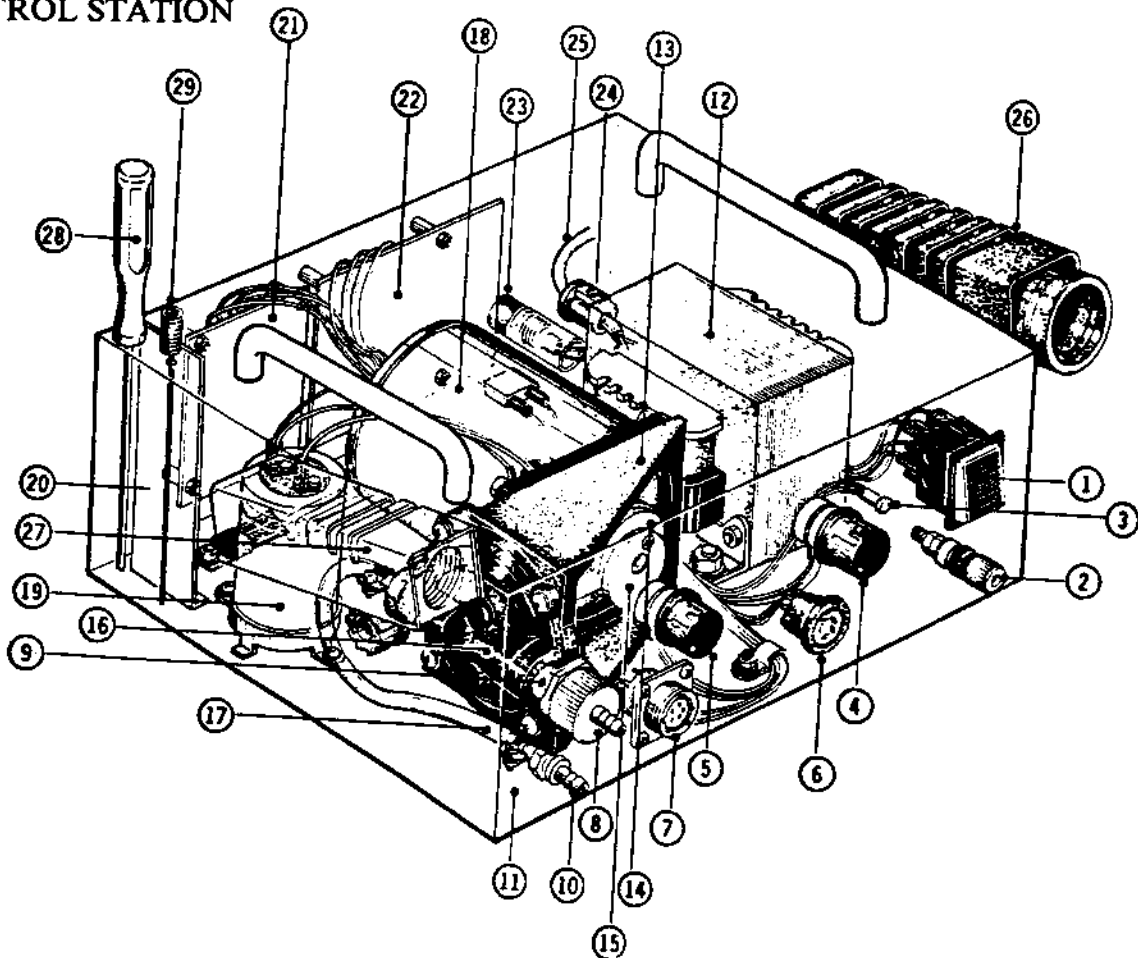
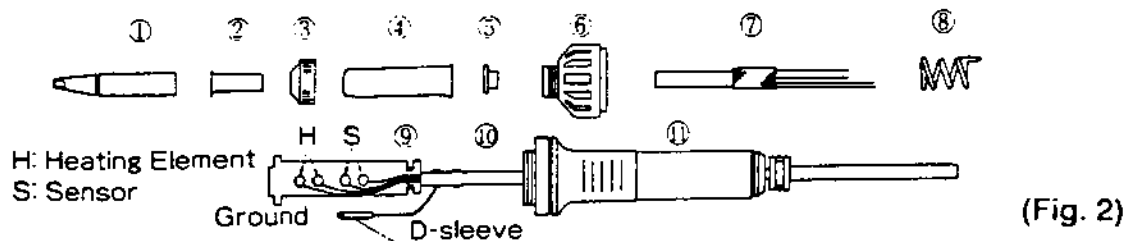


FIG. 1

|    |         |                     |    |           |                    |    |         |                                  |
|----|---------|---------------------|----|-----------|--------------------|----|---------|----------------------------------|
| 1  | 700-272 | POWER SWITCH        | 11 |           | METAL HOUSING CASE | 21 |         | HEAT CONTROL PCB FOR DESOLDERING |
| 2  |         | EARTH TERMINAL      | 12 | 888-025   | TRANSFORMER        | 22 |         | HEAT CONTROL PCB FOR SOLDERING   |
| 3  |         | L.E.D. POWER LAMP   | 13 |           | PUMP FRAME         | 23 | B1041   | FUSE HOLDER                      |
| 4  | B1028   | HEAT CONT. SOLDER.  | 14 | 481-206   | CRANK              | 24 |         | STRAIN RELIEF BUSHING            |
| 5  | B1028   | HEAT CONT. DESOLD.  | 15 |           | BALANCE WEIGHT     | 25 |         | POWER SUPPLY CORD                |
| 6  | 926-209 | PLUG RECEPT. SOLDER | 16 | 481-203   | PUMP HEAD          | 26 | 926-022 | SOLDERING IRON HOLDER            |
| 7  | 888-031 | PLUG RECEPT. DESOLD | 17 |           | AIR LEAD HOSE      | 27 | 707-022 | DESOLDER. IRON HOLDER            |
| 8  | 700-213 | VACUUM OUTLET CAP   | 18 | SEE BELOW | MOTOR              | 28 | B1085   | LARGE CLEANING PIN               |
| 9  |         | VACUUM OUTLET RET.  | 19 | SEE BELOW | CAPACITOR          | 29 | B1087   | CLEANING PIN (1.0MM)             |
| 10 |         | AIR NOZZLE          | 20 |           | PARTITION PLATE    |    |         |                                  |

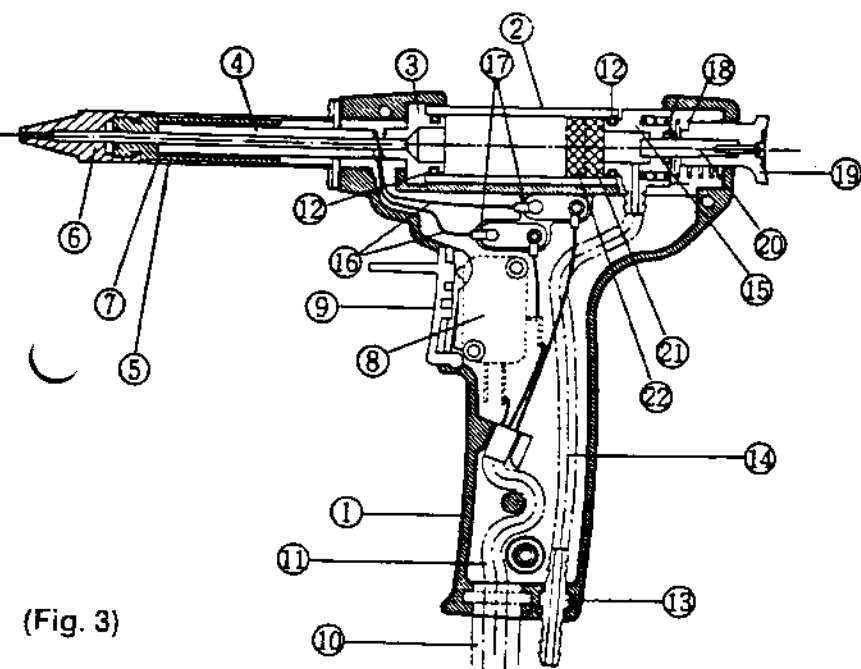
## ■ SOLDERING IRON



|   |                    |                   |   |                   |                    |    |            |                |
|---|--------------------|-------------------|---|-------------------|--------------------|----|------------|----------------|
| 1 | 950M-T-( )         | TIP               | 5 | COMES W #6        | FIT. FOR SUP. PIPE | 9  | 900M-101   | TERMINAL BOARD |
| 2 | COMES W #6         | ELEMENT SUP. PIPE | 6 | B1921<br>900M-044 | NIPPLE             | 10 | 900-039(S) | POWER CORD     |
| 3 | B1784<br>900M-006- | NUT               | 7 | A1321<br>900M-E   | HEATING ELEMENT    | 11 | 900-031(S) | HANDLE         |
| 4 | B1786<br>900M-002- | TIP ENCLOSURE     | 8 | 900M-036          | GROUNDING SPRING   | 12 | 900-034    | GRIP           |

(S) INCLUDED IF THE IRON IS ESD

## ■ 700D



(Fig. 3)

|    |  |  |
|----|--|--|
| 1  | 700-112                                  | HOUSING                                  |
| 2  | 481-002                                  | FILTER PIPE                              |
| 3  | 481-101                                  | FRONT BOLDER                             |
| 4  | 800M-E                                   | HEATING ELEMENT                          |
| 5  | COMES W #7                               | ELEMENT COVER                            |
| 6  | 483-T-( )                                | NOZZLE                                   |
| 7  | 481-012                                  | HEATING CORE                             |
| 8  | B1026                                    | MICRO SWITCH                             |
| 9  | 481-014                                  | TRIGGER                                  |
| 10 | 888-036                                  | STRAIN RELIEF                            |
| 11 | 888-007                                  | POWER CORD                               |
| 12 | A1012                                    | O-RING                                   |
| 13 | 481-113                                  | HOSE JOINT                               |
| 14 | 481-011                                  | GUIDE HOSE                               |
| 15 | 481-102                                  | BACK BOLDER                              |
| 16 | COMES W #4                               | ELEMENT LEAD LINE                        |
| 17 |  | CRIMPED CONNECTOR                        |
| 18 | COMES W #15                              | HOLDER SPRING                            |
| 19 | COMES W #15                              | KNOB                                     |
| 20 | COMES W #15                              | HOLDER FITTING                           |
| 21 | 481-021 FILTER SET<br>INCLUDES #21 & #22 | #21 FELT FILTER<br>#22 STEEL WOOL FILTER |

## OPERATING INSTRUCTIONS

(1) Remove the packing cover from Vacuum Outlet Retainer (Fig.1, No.9), screw Vacuum Outlet Cap (Fig.1, No.8) with White Felt Filter on-to Vacuum Outlet Retainer (Fig.1, No.9).

(2) Set Iron Holder (Fig.1, Nos.26/27) to both sides of Control Station with supplied Thumb Screws and adjust the angel by fixing Screws.

REMARKS: Iron Holder (Fig.1, No.27) shall be set on left side of Control Station with non-slip washer, and another Holder (Fig.1, No.26) shall be attached to right side.

(3) Put Desoldering Iron into leftside and Soldering Iron into right side Iron Holders respectively.

- (4) Connect the Power Cords of both Irons to Plug Receptacle (Fig.1, Nos.6/7), and also connect Suction Tube of Desoldering Iron to Vacuum Outlet Cap (Fig.1, No.8).
- (5) Put two Cleaning Pins (Fig.1, Nos.28/29) into the holes of Station top.
- (6) Dampen Cleaning Sponge (not shown) with water. And set it on Station top with Tip & Sponge Tray and Tray Holder (both not shown).  
**WARNING:** Special coated Tips/Nozzle may be damaged if cleaned in dry condition.
- (7) Confirming Power Switch (Fig.1, No.1) is set at 'OFF' position, connect Main Plug to power supply source.  
Set the temperatures by turning Heat Control Knobs (Fig.1, Nos.4/5), and turn Power Switch (Fig.1, No.1) on.  
**WARNING:** Always connect or disconnect Plugs of Irons and Mains after Power Switch off, or Control Printed Circuit Boards inside of Station may be damaged.
- (8) Soldering Iron can be operated when L.E.D. Power Lamp (Fig.1, No.3) starts to come on and off.  
Exceptionally high thermal recovery allows a lower temperature setting thereby protecting sensitive components and extending Tip life.  
**WARNING:** Ceramic Heating Element cannot stand excessive force. Never strike Soldering Iron against work-bench or solid surface.  
Always remove excess solder from Tip prior to soldering.
- (9) For Desoldering Iron, wait approx. 10 minutes for heating-up after switch on.  
**WARNING:** Never attempt to use Iron before it has sufficiently heated-up as Nozzle hole and/or Heating Core inside may become clogged with cold solder and/or flux.
- (10) To remove any materials that may clog Nozzle (Fig.3, No.6) and Heating Core (Fig.3, No.7), insert Small Cleaning Pin (Fig.1, No.29) from Nozzle top and clean inside.
- (11) Place Nozzle (Fig.3, No.6) on the lead of the component to be removed and gently move Desoldering Iron back and forth for 2 or 3 seconds. When the lead begins to move freely, the solder is sufficiently melted.  
Then, pull Trigger (Fig.3, No.9) of Iron, and Vacuum Pump will absorb the melted solder.  
**REMARKS:** If the solder is not sufficiently melted, the component will not be properly desoldered due to insufficient suction.  
Should this occur, resolder the component and repeat desoldering process from step item (11) above mentioned.
- (12) Air Nozzle (Fig.1, No.10) is to give optional usage for air blowing. Use it connecting to Air Tube or Hot Air Tool for dust cleaning or tube shrinking.  
**REMARKS:** Air suction and air blow functions can not be used at the same time.  
**WARNING:** If Desoldering Iron is used as a Hot Air Tool, be sure to clean Nozzle (Fig.3, No.6) and Heating Core (Fig.3 No.7) inside and remove solder in Filter Pipe (Fig.3, No.2). Or hot melted solder or flux may blow out from Nozzle top.

## MAINTENANCE

### ■ FOR SOLDERING SIDE

#### a. Replacing Heating Element

- (1) Turn Nut (Fig.2, No.3) counterclockwise and remove Tip Enclosure (Fig.2, No.4), Iron Tip (Fig.2, No.1), Element Support Pipe (Fig.2, No.2) and Fitting for Support Pipe (Fig.2, No.5).
- (2) Turn Nipple (Fig.2, No.6) counterclockwise and remove it from Iron.
- (3) Pull both Heating Element (Fig.2, No.7) and Power Supply Cord (Fig.2, No.10) out of Handle (Fig.2, No.11) : toward Iron Tip.
- (4) Pull Grounding Spring (Fig. 2, No.8) out of D-Sleeve.
- (5) Measure the resistant value at Sensor and Heating Element of Terminal (Fig.2, No.9).
- (6) Desolder the Heater Lead Wire.
- (7) Solder new Heating Element. Solder two Sensor Leads (blue) and Heater Leads (red) on Terminal Fiber-board  
\*In the above item (5) and (6), be careful not to damage the leads with soldering iron.
- (8) Insert Grounding Spring (Fig.2, No.8) into Heating Element (Fig.2, No.7). And connect Grounding Spring and D-Sleeve on the opposite side of Heater Leads.
- (9) Pull Power Cord (Fig.2, No.10) and fix Heating Element in Handle to prevent rolling.
- (10) Turn Nipple (Fig.2, No.6) and secure Handle.
- (11) Replace Fitting for Support Pipe (Fig.2, No.5), Element Support Pipe (Fig.2, No.2), Iron Tip (Fig.2, No.1), Tip Enclosure (Fig.2, No.4) and secure Nut (Fig.2, No.3).

**WARNING:** Make sure Nut securing Tip Enclosure assembly is properly tightened.

When Heater is replaced, unscrew Nut first, then unscrew Nipple. After replacing Heater, screw Nipple first and screw Nut. Opposite Procedure may cause the damage of Heater.

#### b. Recalibration of Iron Temperature

- (1) After replacing Heating Element, recalibrate the temperature of Soldering Iron.
- (2) Connect Plug of Soldering Iron to the Control Station and lock it.
- (3) Set Temperature Control Knob (Fig.1, No.4) at 400° C (752° F).
- (4) Turn Power Switch (Fig.1, No.1) on and wait till L.E.D. Power Lamp (Fig.1, No.3) comes on and off.
- (5) Adjust the temperature of Tip at 400° C (752° F) by "CAL" (Soldering) on the rear pannel of Control Station using thermometer.

## ■ FOR DESOLDERING SIDE

### a. Replacement of the Filters in Desoldering Iron

- (1) Should the suction power of Desoldering Iron become reduced due to the accumulated solder in Filter Pipe (Fig.3, No.2), replace Steel Wool and Felt Filters (Fig.3, Nos.21/22) in the following manner.
- (2) Pull Knob (Fig.3, No.19) at the back of Desoldering Iron out and turn it approx. 90° to either left or right.
- (3) Remove Filter Pipe (Fig.3, No.2) from Desoldering Iron by sliding it approx. 5mm (0.2") and lift it up and out.

**WARNING:** If Filter Pipe is hot, turn Power Switch off and wait until Filter Pipe has cooled, or wear a glove while replacing it. Do not drop Filter Pipe, as it is made of Pyrex glass and is very fragile.

- (4) Remove the accumulated solder from Filter Pipe (Fig.3, No.2). If necessary, replace Steel Wool and Felt Filter (Fig.3, Nos.21/22). Felt Filter should be replaced whenever it has become coloured or hardened with flux.

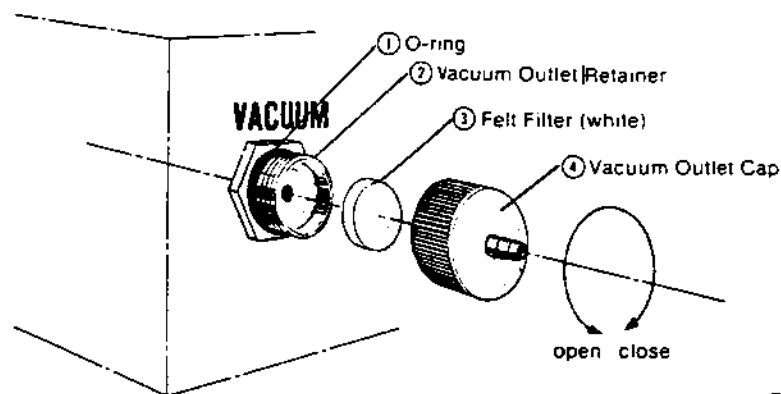
**WARNING:** Never attempt to use Desoldering Iron without Filters in place as Vacuum Pump may become damaged.

**REMARKS:** Be sure to insert Filters so that Felt Filter (Fig.3, No.21) is at the back and Steel Wool Filter (Fig.3, No.22) is at the front of it.

### b. Replacement of Filter in Vacuum Outlet Retainer

- (1) Should the suction power remains still weak after replacement of Filters in Filter Pipe, Felt Filter in Vacuum Outlet Retainer (Fig.4, No.2) must be replaced. This should be done as follows.
- (2) Turn Vacuum Outlet Cap (Fig.4, No.4) to left and remove it.
- (3) Replace White Felt Filter (Fig.4, No.3) that is inside Vacuum Outlet Retainer (Fig.4, No.2).

**REMARKS:** Felt Filter in Vacuum Outlet Retainer is the same one used in Filter Pipe.



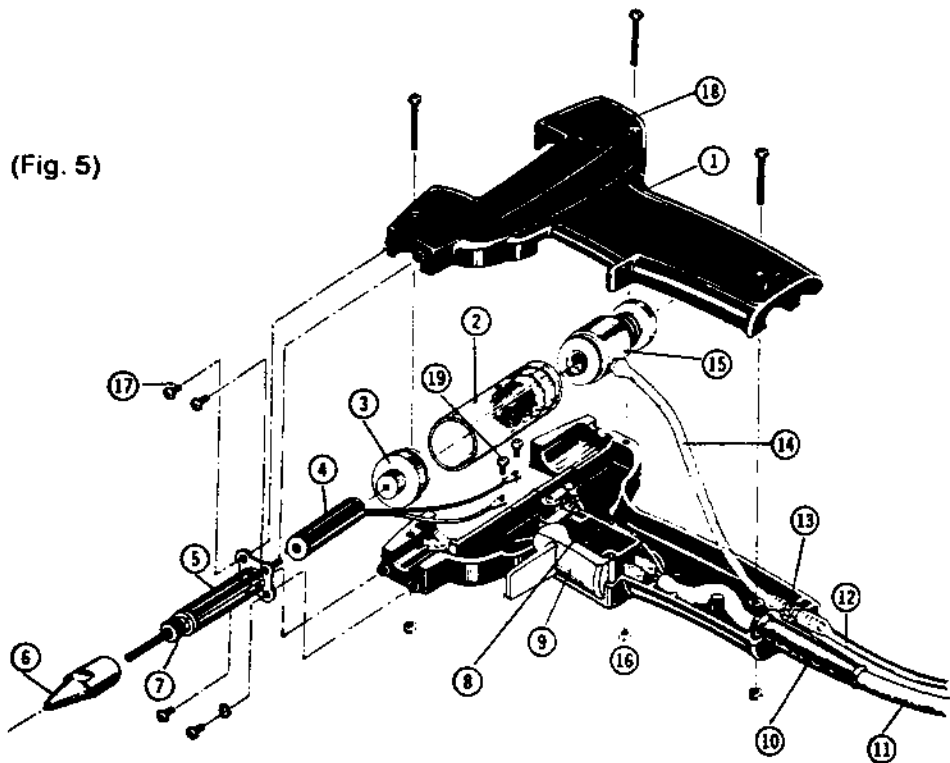
(Fig. 4)

### c. Replacement of Nozzle

- (1) Use Cleaning Wrench to unscrew Nozzle (Fig.5, No.6).
- (2) Coat the threads of New Nozzle with supplied Anti-seizing lubricant and screw Nozzle onto Desoldering Iron.

**REMARKS:** Nozzle should be replaced while Desoldering Iron is hot as solder may be binding Nozzle to Heating core (Fig.5, No.7). Be careful not to overtighten new Nozzle as you may slip the threads.

At the end of daily use, loosen Nozzle to prevent it from "freezing".



- |                             |                              |
|-----------------------------|------------------------------|
| 1. Housing (Handle)         | 2. Filter Pipe               |
| 3. Front Holder             | 4. Heating Element           |
| 5. Element Cover            | 6. Nozzle                    |
| 7. Heating Core             | 8. Micro-switch              |
| 9. Trigger                  | 10. Cord Protective Covering |
| 11. 4-wired Supply Cord     | 12. Hose                     |
| 13. Hose Joint              | 14. Guide Hose               |
| 15. Back Holder             | 16. Housing Nut              |
| 17. Flange Set Screw        | 18. Housing Set Screw        |
| 19. Element Connection Nuts |                              |



#### **d. Replacement of Heating Element**

- (1) Should Heating Element break, replace it in the following manner.
- (2) Remove Filter Pipe (Fig.5, No.2) by referring to steps (1) and (2) of Filter Replacement Procedure -a.
- (3) Remove Flange Set Screws (Fig.5, No.17).
- (4) Remove Housing Set Screws (Fig.5, No.18) and carefully lift it off Housing (Fig.5, No.1).
- (5) Unscrew Heating Element connection nuts (Fig.5, No.19).
- (6) Remove Front Holder (Fig.5, No.3).
- (7) Replace Heating Element (Fig.5, No.4).
- (8) Re-assemble Desoldering Iron by above disassemble steps in reverse order.

#### **e. Recalibration after replacement of Heating Element**

- (1) Loosen the fastener marked "CAL" (Desolder) on the back side of Control Station.
- (2) Using a regular point Screwdriver, turn the temperature control potentiometer to Low (fully counterclockwise). After connecting the Unit to power supply, allow it to sit for 10 minutes.
- (3) Turn the temperature control potentiometer clockwise until the temperature of Desoldering Iron Tip reaches a stable 300°C with thermometer.

#### **f. Replacement of Heating Core Assembly and Element Cover**

- (1) Remove Filter Pipe (Fig.5, No.2) by referring to steps (1) and (2) of Filter Replacement procedure -a.
- (2) Remove Nozzle (Fig.5, No.6) by referring to step (1) of Nozzle Replacement procedure -c.
- (3) Remove four Flange Set Screws (Fig.5, No.17).
- (4) Remove Front Holder (Fig.5, No.3).
- (5) Remove Element Cover/Heating Core (Fig.5, No.5/7) by gently pulling it off.
- (6) Replace Element Cover/Heating Core Assembly.
- (7) Insert the small stainless steel pipe of Heating Core Assembly into the hole of Front Holder.
- (8) Re-assemble Desoldering Iron by following disassemble steps in reverse order.
- (9) Re-attach the grounding wire and Element Cover Flange with 4 Flange Set Screws.

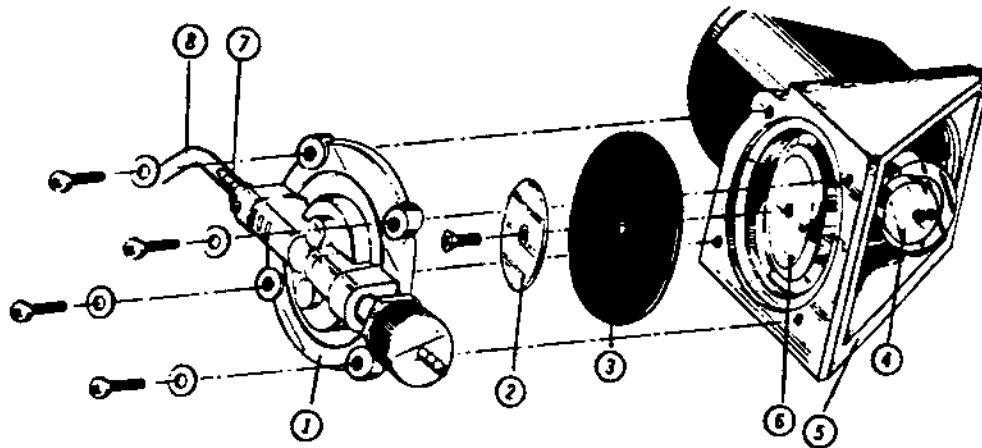
#### g. Cleaning and Replacement of Diaphragm and Valve

- (1) Even though HAKKO 700 incorporates a 3-ply Filter structure in Desoldering side, flux may still occasionally cling to Diaphragm or Valve Plate, causing the vacuum suction power to drop after several days of usage. To clean or replace Vacuum Pump Diaphragm and Valve, follow the procedure outlined below.
- (2) Disconnect Power Cord (Fig.1, No.25) from the power supply.
- (3) Unscrew Vacuum Outlet Retainer (Fig.4, No.2) and remove it.
- (4) Remove Iron Holders (Fig.1, Nos.26/27), Cleaning Pins (Fig.1, Nos.28/29) and Sponge Tray/Tray Holder from Control Station.
- (5) Unscrew the screws that secure Cover to Chassis and remove Cover.
- (6) Remove Pump Head (Fig.6, No.1).
- (7) Unscrew and remove Diaphragm Adjustment Plate (Fig.6, No.2) and Diaphragm (Fig.6, No.3).
- (8) Unscrew and remove Fixing Plate (Fig.7, No.5) from inside Pump Head (Fig.7, No.1), and remove Valve Plate (Fig.7, No.4).
- (9) Clean off any flux that is adhering to Valve Plate and Diaphragm with alcohol, etc. If any of Pump parts are cracked or deformed, replace them with new parts.
- (10) Reassemble the unit by above disassemble steps in reverse order.  
**WARNING:** Be sure to reassemble Fixing Plate (Fig.7, No.5) in proper direction, i.e., so that the countersink in Fixing Plate is opposite the counterbored holes in Pump Head (Fig.7, No.1). Make sure that Crank Arm (Fig.6, No.6) is at the lowest position before replacing Diaphragm (Fig.6, No.3), Diaphragm Setting Plate (Fig.6, No.2) and Pump Head (Fig.6, No.1). Apply a little silicon oil to the surface of Valve Plate (Fig.7, No.4) and Diaphragm (Fig.6, No.3) before reassembling them. This will make future disassembly much easier. Be careful not to allow any dust or other foreign matter to enter Pump inside during reassembling.

#### h. Others for Maintenance

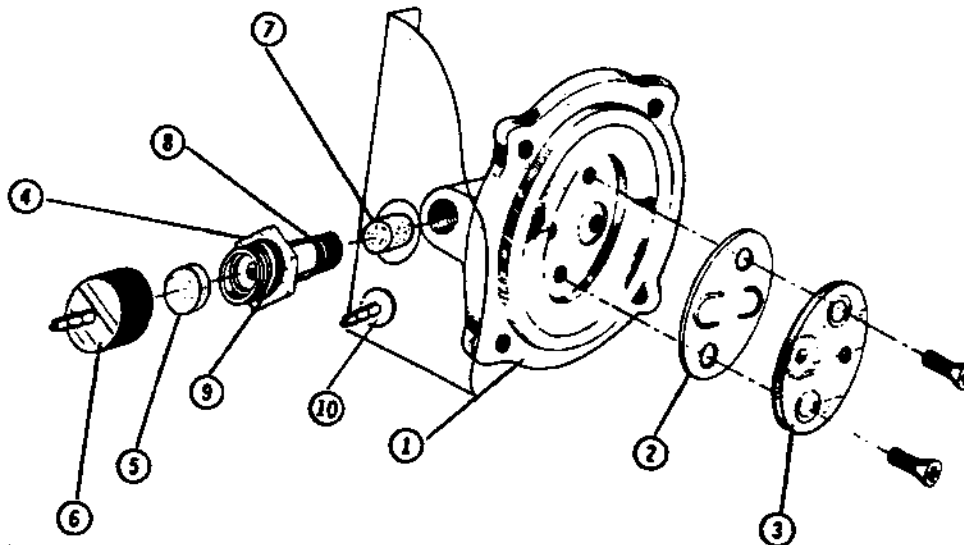
It is very recommendable to clean Nozzle and Heating Core in daily use referring Instruction Sheet which is attached to Cleaning Wrench.

FIG. 6



|   |           |                |   |         |                         |
|---|-----------|----------------|---|---------|-------------------------|
| 1 | 481-203   | PUMP HEAD      | 2 | 481-204 | DIAPHRAGM ADJUST. PLATE |
| 3 | SEE BELOW | DIAPHRAGM      | 4 |         | BALANCE WEIGHT          |
| 5 |           | PUMP FRAME     | 6 | 481-206 | CRANK ARM               |
| 7 |           | AIR HOSE JOINT | 8 |         | AIR LEAD HOSE           |

FIG. 7



|   |         |                  |    |         |                    |
|---|---------|------------------|----|---------|--------------------|
| 1 | 481-203 | PUMP HEAD        | 2  | BELOW   | VALVE PLATE        |
| 3 | 481-214 | FIXING PLATE     | 4  |         | VACUUM OUTLET RET. |
| 5 | A1009   | CERAMIC FILTER   | 6  | 700-213 | VACUUM OUTLET CAP  |
| 7 | BELOW   | AIR INLET FILTER | 8  | 481-209 | O-RING P-9         |
| 9 | 481-211 | O-RING P-18      | 10 |         | AIR NOZZLE         |

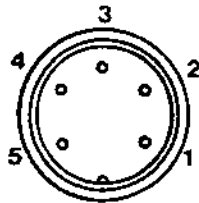
#3 from fig. 6 and #2 & #7 from fig. 7 come together as on part - 481-201

## TRUBLE SHOOTING GUIDE

If Power Lamp does not light up and Unit cannot be operated, check first "Fuse" and "Power Cord" from power supply source before checking the following. Replace or repair them, if necessary.

### ■ FOR SOLDERING SIDE

In spite Power Lamp lights up, but Soldering Iron does not heat-up, or uncontrollable and Tip becomes over-heat. After confirming Iron Plug is connected properly, disconnect Iron Plug and measure the resistance value between pins of Iron Connector as under:



|   |  |                         |
|---|--|-------------------------|
| a | Between pin 4 & pin 5<br>(Heating Element) | 2.5—3.5 ohm<br>(Normal) |
| b | Between pin 1 & pin 2<br>(Sensor)          | 43 — 58 ohm<br>(Normal) |
| c | Between pin 3 & Tip<br>(Grounding)         | Under 10 ohm            |

- a. If the value of "a" and "b" is different from above value, replace Heating Element (Sensor) or Silicon Cord.
- b. If the value of "c" - between pin 3 and Tip (grounding) is over above value, remove the oxidization film by rubbing points shown as under with sand-paper or steel wool.



### ■ FOR DESOLDERING SIDE

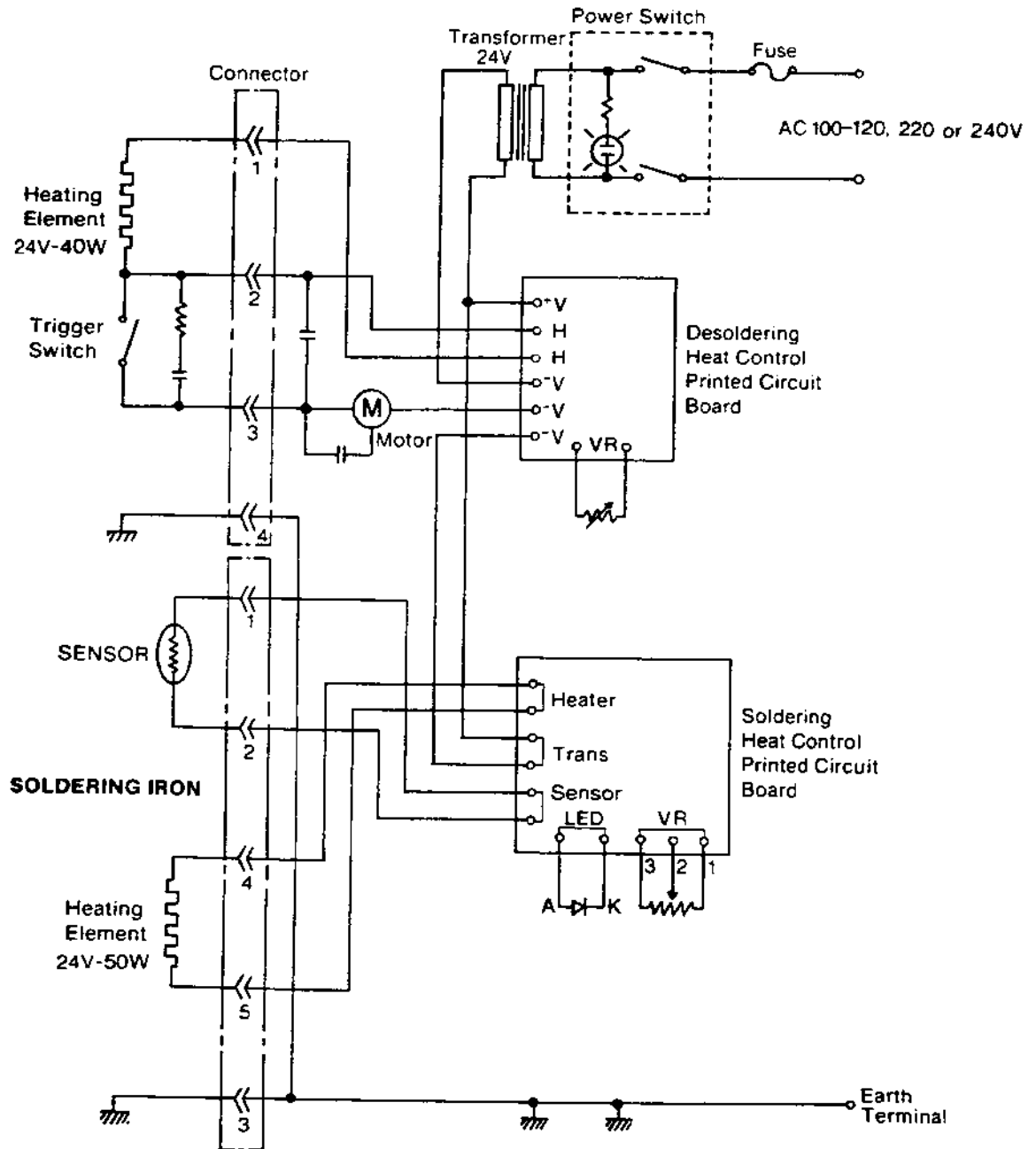
- a. Vacuum Pump does not work.
  - Is Desoldering Iron properly connected?
- b. Solder is not absorbed.
  - Is Vacuum Pump working?
  - Is Suction Tube properly connected?
  - Is Nozzle hot enough?
  - Is Filter Pipe full of accumulated solder?
  - Are Felt Filter hardened or discoloured with flux?
  - Is there a vacuum leakage between Filter Pipe and either Front or Back Holders?
  - Is there a vacuum leakage between Vacuum Outlet Retainer and Cap?
  - Is Nozzle or Heating Core clogged with solder?
- c. Solder cannot be melted completely.
  - Is Desoldering Iron properly connected?
  - Is Heating Element broken?  
(in this case, Nozzle does not become warm at all)
  - Is Nozzle properly tightened?
  - Is Nozzle oxidized or become contaminated with flux?

- d. Melted solder is blown-out from Nozzle, when Pump begins to work.
- Place supplied Check Valve into Pump Head instead of Sponge Filter referring Instruction Sheet which is attached to Check Valve.

If the problem remains unsolved after checking Unit, please contact with your nearest HAKKO representative.

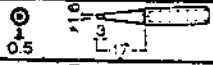
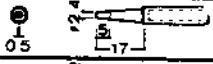
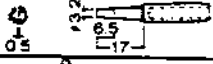
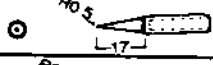
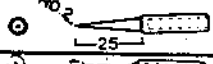


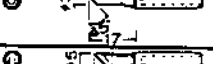
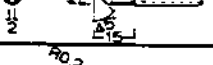
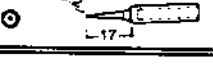
## WIRING DIAGRAM

### DESOLDERING IRON



# REPLACEMENT PARTS

## ■ SOLDERING SIDE

| PART NUMBER | DESCRIPTION | SPECIFICATIONS  | CONTROL SETTING RESOLUTION |
|-------------|-------------|---|----------------------------|
| 900M-T-1.6D | TIP         |   | 0<br>(480°C-896°F)         |
| 900M-T-2.4D | TIP         |   | 0<br>(480°C-896°F)         |
| 900M-T-3.2D | TIP         |   | 0<br>(480°C-896 °F)        |
| 900M-T-B    | TIP         |   | 0<br>(480°C-896°F)         |
| 900M-T-LB   | TIP         |   | -10°C<br>(470°C-878°F)     |
| 900M-T-1C   | TIP         |   | 0<br>(480°C-896°F)         |
| 900M-T-2C   | TIP         |   | 0<br>(480°C-896°F)         |
| 900M-T-3C   | TIP         |   | 0<br>(480°C-896°F)         |
| 900M-T-K    | TIP         |   | +30°C<br>(510°C-950°F)     |
| 900M-T-I    | TIP         |  | -10°C<br>(470°C-878°F)     |

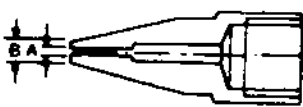
900M TIP OUT DIAM. 6.5Ø

|                           |                 |                           |
|---------------------------|-----------------|---------------------------|
| 900M-H <sup>A1321</sup>   | HEATING ELEMENT |                           |
| 900M-002 <sup>B1786</sup> | TIP ENCLOSURE   |                           |
| 900M-006 <sup>B1784</sup> | NUT             |                           |
| 900M-044 <sup>B1921</sup> | NIPPLE          |                           |
| 900M-101                  | TERMINAL BOARD  |                           |
| 900-039(S)                | POWER CORD      | (S) WOULD BE FOR ESD TYPE |
| 900-001(S)                | HANDLE          | (S) WOULD BE FOR ESD TYPE |
| 900-034                   | GRIP            |                           |

### CAUTION

- 1) Use exclusive tips for the 926 only. All tips have hallmarks of 900M-T-( ) and black line.
- 2) The set temperature should be adjusted according to the tip configuration. If required, adjust the temperature with "CAL" potentiometer on the rear panel of the station when changing tip configurations. The temperature is increased by turning "CAL" clockwise.
- 3) When using the Soldering Iron continuously, loosen Tip and remove oxide once a week. This helps prevent seizure and reduction of tip temperature.
- 4) Tin the tip daily as follows:
  1. Clean the Tip.
  2. Set the temperature at 200°C(392°F).
  3. Melt the solder gradually at the tip.

■ DESOLDERING SIDE

| PART NUMBER | DESCRIPTION     | SPECIFICATIONS  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
|-------------|-----------------|---|------|------|------|------|------|---|-----|-----|-----|-----|---|-----|-----|-----|-----|
| 483-T-0.8   | NOZZLE 0.8Ø     |  <table border="1" data-bbox="1063 399 1461 577"> <thead> <tr> <th></th> <th>0.8φ</th> <th>1.0φ</th> <th>1.3φ</th> <th>1.6φ</th> </tr> </thead> <tbody> <tr> <th>A</th> <td>0.8</td> <td>1.0</td> <td>1.3</td> <td>1.6</td> </tr> <tr> <th>B</th> <td>2.5</td> <td>2.5</td> <td>3.0</td> <td>3.0</td> </tr> </tbody> </table> |      | 0.8φ | 1.0φ | 1.3φ | 1.6φ | A | 0.8 | 1.0 | 1.3 | 1.6 | B | 2.5 | 2.5 | 3.0 | 3.0 |
|             | 0.8φ            |   | 1.0φ | 1.3φ | 1.6φ |      |      |   |     |     |     |     |   |     |     |     |     |
| A           | 0.8             |   | 1.0  | 1.3  | 1.6  |      |      |   |     |     |     |     |   |     |     |     |     |
| B           | 2.5             |   | 2.5  | 3.0  | 3.0  |      |      |   |     |     |     |     |   |     |     |     |     |
| 483-T-1.0   | NOZZLE 1.0Ø     |   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 483-T-1.3   | NOZZLE 1.3Ø     |   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 483-T-1.6   | NOZZLE 1.6Ø     |   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 481-021     | FILTER SET      | ONE STEEL WOOL & 2 CERAMIC FILTERS  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 481-002     | FILTER PIPE     | WITH FILTER SET   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 800M-H      | HEATING ELEMENT | 40W 24V   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 483-012     | HEATING CORE    | WITH ELEMENT COVER  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 481-101     | FRONT HOLDER    | WITH O-RING   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 481-102     | BACK HOLDER     | ASSEMBLY  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| A1012       | O-RING          | P-12  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 481-201     | DIAPHRAGM SET   | VALVE PLATE, DIAPHRAGM AND SPONGE FILTERS   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| B1085       | CLEANING PIN    | HEATING CORE  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| B1086       | CLEANING PIN    | 0.8MM NOZZLE  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| B1087       | CLEANING PIN    | 1.0MM NOZZLE  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| B1088       | CLEANING PIN    | 1.3MM NOZZLE  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| B1089       | CLEANING PIN    | 1.6MM NOZZLE  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 700-112     | HOUSING         |   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
|             | 4-WIRED CORD    | WITHOUT CONNECTOR PLUG  |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
|             | 4-WIRED CORD    | WITH CONNECTOR PLUG   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |
| 483-020     | CLEANING WRENCH |   |      |      |      |      |      |   |     |     |     |     |   |     |     |     |     |