

**SAMSUNG**

# MICROWAVE OVEN

BASIC: CP1395EST  
MODEL: CP1395E-S  
MODEL CODE: CP1395E-S/XET

# ***SERVICE*** Manual

## MICROWAVE OVEN



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2. Product Specification
3. Disassembly and Reassembly
4. Troubleshooting
5. Exploded Views and Part List
6. PCB Diagrams
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Refer to the service manual in the GSPN(see rear cover) for the more information.

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## **PRECAUTIONS TO BE OBSERVED BEFORE AND DURING SERVICING TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY**

- (a) Do not operate or allow the oven to be operated with the door open.
- (b) Make the following safety checks on all ovens to be serviced before activating the magnetron or other microwave source, and make repairs as necessary:
  - (1) Interlock operation,
  - (2) Proper door closing,
  - (3) Seal and sealing surfaces (arcing, wear, and other damage),
  - (4) Damage to or loosening of hinges and latches,
  - (5) Evidence of dropping or abuse.
- (c) Before turning on microwave power for any service test or inspection within the microwave generating compartments, check the magnetron, wave guide or transmission line, and cavity for proper alignment, integrity, and connections.
- (d) Any defective or misadjusted components in the interlock, monitor, door seal, and microwave generation and transmission systems shall be repaired, replaced, or adjusted by procedures described in this manual before the oven is released to the owner.
- (e) A microwave leakage check to verify compliance with the Federal Performance Standard should be performed on each oven prior to release to the owner.

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# 1. Precautions

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Follow these special safety precautions. Although the microwave oven is completely safe during ordinary use, repair work can be extremely hazardous due to possible exposure to microwave radiation, as well as potentially lethal high voltages and currents.

## 1-1 Safety precautions (⚠)

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1. All repairs should be done in accordance with the procedures described in this manual. This product complies with Federal Performance Standard 21 CFR Subchapter J(DHHS).
2. Microwave emission check should be performed prior to servicing if the oven is operative.
3. If the oven operates with the door open: Instruct the user not to operate the oven and contact the manufacturer and the center for devices and radiological health immediately.
4. Notify the Central Service Center if the microwave leakage exceeds  $5 \text{ mW/cm}^2$ .
5. Check all grounds.
6. Do not power the MWO from a "2 - prong" AC cord. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.
7. When reinstalling the chassis and its assemblies, be sure to restore all protective devices including nonmetallic control knobs and compartment covers.
8. Make sure that there are no cabinet openings through which people --particularly children --might insert objects and contact dangerous voltages. Examples: Lamp hole, ventilation slots.
9. Inform the manufacturer of any oven found to have emission in excess of  $5 \text{ mW/cm}^2$ , make repairs to bring the unit into compliance at no cost to owner and try to determine cause. Instruct owner not to use the oven until it has been brought into compliance.
10. Service technicians should remove their watches while repairing a MWO.
11. To avoid any possible radiation hazard, replace parts in accordance with the wiring diagram. Also, use only the exact replacements for the following parts: Primary and secondary interlock switches, interlock monitor switch.
12. If the fuse is blown by the Interlock Monitor Switch: Replace all of the following at the same time: Primary, door sensing switch and power relay, as well as the Interlock Monitor Switch. The correct adjustment of these switches is described elsewhere in this manual. Make sure that the fuse has the correct rating for the particular model being repaired.
13. Design Alteration Warning: Use exact replacement parts only, i.e., only those that are specified in the drawings and parts lists of this manual. This is especially important for the Interlock switches, described above. Never alter or add to the mechanical or electrical design of the MWO. Any design changes or additions will void the manufacturer's warranty. Always unplug the unit's AC power cord from the AC power source before attempting to remove or reinstall any component or assembly.
14. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
15. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs). Examples include integrated circuits and field-effect transistors. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground.
16. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

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## 1-2 Special Servicing Precautions

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17. When checking the continuity of the switches or transformer, always make sure that the power is OFF, and one of the lead wires is disconnected.
18. Components that are critical for safety are indicated in the circuit diagram by shading,  or .
19. Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

**NOTE:** Connect the oven to a 20A. When connecting the oven to a 15A, make sure that circuit breaker can operate.

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## 1-3 Special High Voltage Precautions

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1. High Voltage Warning  
Do not attempt to measure any of the high voltages --this includes the filament voltage of the magnetron. High voltage is present during any cook cycle. Before touching any components or wiring, always unplug the oven and discharge the high voltage capacitor (See Figure 1-1)
2. The high-voltage capacitor remains charged about 30 seconds after disconnection. Short the negative terminal of the high-voltage capacitor to the oven chassis.
3. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

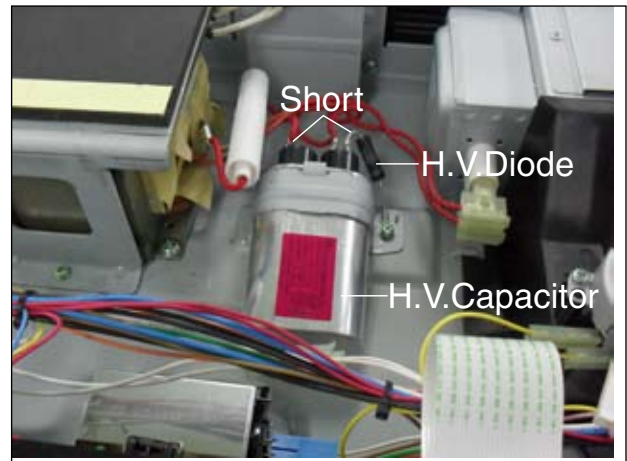


Fig. 1-1 Discharging High Voltage Capacitor

### PRECAUTION

There exists HIGH VOLTAGE ELECTRICITY with high current capabilities in the circuits of the HIGH VOLTAGE TRANSFORMER secondary and filament terminals. It is extremely dangerous to work on or near these circuits with the oven energized.

DO NOT measure the voltage in the high voltage circuit including filament voltage of magnetron.

### PRECAUTION

Never touch any circuit wiring with your hand nor with uninsulated tool during operation.

### PRECAUTION

Servicemen should remove their watches whenever working close to or replacing the magnetron.

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## 2. Product Specifications

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### 2-1 Features

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Product Feature	Substance
Fast and Easy with a Hybrid Heat Source	The hybrid heat source consists of an oven, grill, and microwave oven, enabling you to save power while cooking three times as fast.
Compact Appearance, Impressive Cooking Capacity	Although the appearance is compact and includes a microwave oven stand so that you can place it anywhere in your kitchen for convenient use, a cooking capacity of 36 liters is provided which allows you to cook enough food at the same time.
Clean and Sanitary Steam Cleaning	In the past, cleaning your oven was difficult and labor intensive, but you can keep your oven clean and sanitary using the steam cleaning function. In addition, you can also easily clean the inside of the upper grill by turning the upper grill (a dual movable grill has been utilized) so that you can use the oven as if new.

### 2-2 Product Features

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Model		CP1395E-S
Power consumption	Microwave	1550W
	Combi	3050W
	Oven	2000W
	Grill	1550W
Output power		900W
Power source		230V, 50Hz
Operating frequency		2450MHz
Weight	Net	26.5Kg
Volume		36L
Dimensions	Outside	520(W) x 403 (H) x 453.5(D) mm
	Oven cavity	402(W) x 390(H) x 227(D) mm

## 2-3 Specifications


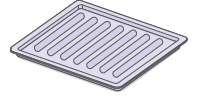
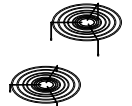
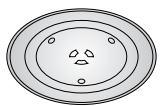






Items	Sub - items		BASIC MODEL CP1395EST	NEW MODEL CP1395E-S	
General	Capacity		1.3 cu.ft. (36 Liter)	1.3 cu.ft. (36 Liter)	
	Type	Installation	Counter Top	Counter Top	
		Heat Source	MICROWAVE OVEN	MICROWAVE OVEN	
	Power	Power Source		230 V / 50 Hz	230 V / 50 Hz
		Output Power (Microwave)		900W	900W
		Output Power (Grill)		1550 W	1550 W
		Output Power (Convection)		2000 W	2000 W
		Power Consumption (MWO)		1550 W	1550 W
		Max Output Power		3050 W	3050 W
		Display	Type		Graphic LCD
	Language Option		YES	YES	
	Sensor		Temperature	Temperature	
	Control Method		Tact with Encoder dial	Tact with Encoder dial	
	Door Open Mechanism		Drop Down(Handle)	Drop Down(Handle)	
MW Distribution Mechanism		T/T	T/T		
Features	Cooking Modes	Microwave oven	Yes	Yes	
		Grill (Dual Grill)	Yes	Yes	
		Convection (Fan Oven)	Yes	Yes	
		Speed Defrost	Yes	Yes	
		Convection + Top Heat	Yes	Yes	
		Convection Heat	Yes	Yes	
		Conventional	Yes	Yes	
		Speed Cook	Yes	Yes	
Features	Convection Temperature		40 ~ 230 °C	40 ~ 230 °C	
	Clock		No	No	
	Warm		Yes	Yes	
	Max Cooking Time		Microwave: 90mins Oven: 90mins	Microwave: 90mins Oven: 90mins	
	Power Level		Yes	Yes	
	Speed Cook		Yes	Yes	
	Setting (My choice)	Speed Option		Yes	Yes
		Weight Option		Yes	Yes
		Sound Option		Yes	Yes
		Reminder End Signal		Yes	Yes
Clock System Option (12H / 24H)		No	No		
Child Lock		No	No		

## 2-3 Specifications (Continued)

Items	Sub - items		BASIC MODEL CP1395EST	NEW MODEL CP1395E-S
Materials & Finishes	Cabinet Color		Stainless	Stainless
	Door Color		Stainless	Stainless
	Cavity Interior		Ceramic Enamel	Ceramic Enamel
	Grill Heater		Upper: Sheath (Grill 1500 W) Convection: Sheath (Hidden 420 W)	Upper: Sheath (Grill 1500 W) Convection: Sheath (Hidden 420 W)
	Convection Heater		Yes	Yes
	Carton Box		Yellow	Yellow
Accessory	Rack	Oven Rack	1	1
		Grill Insert	No	No
	Glass Tray (1) / Baking Trays (2)		Yes	Yes
	Steam Clean		Yes	Yes
	Quick Guide Label		No	No
	Cook Book		No	No
	Coupler		No	No
	Barbeque		No	No
	Support Tray		Yes	Yes
Physical Specification	Dimension (W x H x D)	Cavity	402 x 390 x 227 mm	402 x 390 x 227 mm
		Outside	520 x 403 x 453.5 mm	520 x 403 x 453.5 mm
		Shipping	618 x 466 x 550 mm	618 x 466 x 550 mm
	Weight	Net	26.5 Kg	26.5 Kg
		Shipping	31.5 Kg	31.5 Kg
	Loading Quantity	20ft / 40ft	118 sets / 20ft 389 sets / 40ft	118 sets / 20ft 389 sets / 40ft
Export Zone			France	Italy

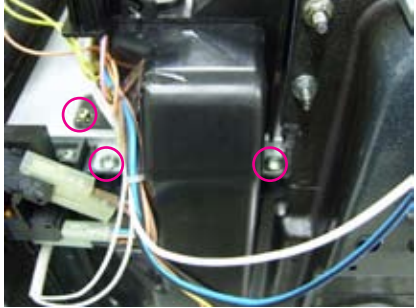





## 2-4 Accessary


	Description	Code No.	Q'ty
	TRAY-BROILER	DE63-00630A	1
	TRAY-OVEN	DE97-00745C	1
	ASSY WIRE RACK	DE97-00136B	1
		DE97-00136E	1
	TRAY-COOKING	DE74-20002B	1
	BOWL-WATER	DE75-00042F	1
	DEFROST -RACK	DE63-00637A	1
	SUPPORT-TRAY	DE94-02211A	1
	ASSY STEAMER SUB	DE94-01759B	1
	PLATE-STEAMER	DE70-00565A	1
	TRAY - STEAMER	DE63-00513A	1

### 3. Disassembly and Reassembly

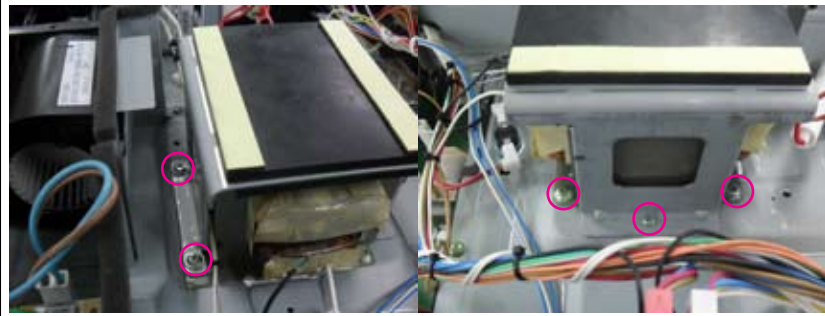
#### 3-1 Replacement of Magnetron & Lamp

Parts	Explanation Photo	Explanation
Removal of Magnetron		1. Remove 3 screws from Air-Cover.
		2. Remove 1 screw and Lead wire from magnetron.
		3. Remove nuts securing the magnetron to the wave guide.
Removal of Lamp		4. Remove 1 screw and wire lead .

### 3-2 Replacement of High Voltage Transfer

Parts	Explanation Photo	Explanation
<p>Removal of High Voltage Transformer</p>		<ol style="list-style-type: none"> <li>1. Discharge the high voltage capacitor.</li> <li>2. Disconnect all the leads.</li> <li>3. Take off the lead wire from guide air duct.</li> <li>4. Remove the mounting bolts.</li> <li>5. Lift up the assy-guide air upper.</li> </ol>

## 3-2 Replacement of High Voltage Transfer (Continued)



3. Remove the mounting bolts.



4. Replace the High Voltage Transformer
5. After replace, reconnect the leads correctly and firmly.



### PRECAUTION

Servicemen should remove their watches whenever working close to or replacing the magnetron.

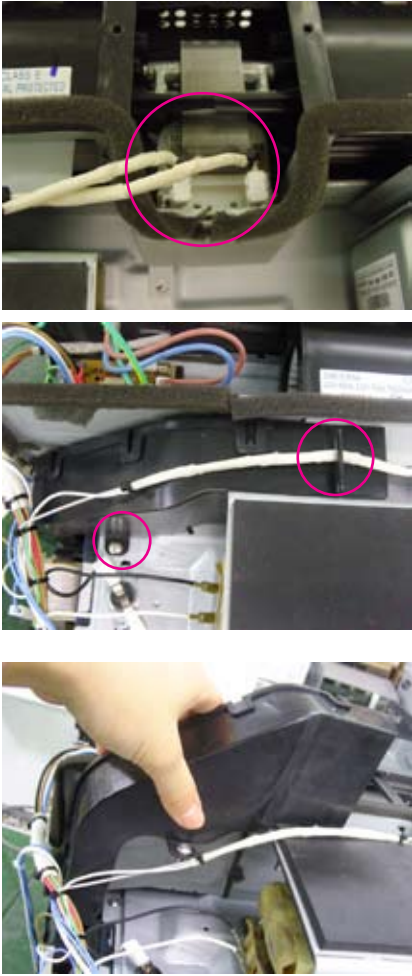


### PRECAUTION


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DO NOT measure the voltage in the high voltage circuit including filament voltage of magnetron.


### 3-3 Replacement of Assy Casing assembly

Parts	Explanation Photo	Explanation
Removal of guide air duct		<ol style="list-style-type: none"><li>1. Disconnect leads from vent motor.</li><li>2. Take off the lead wire from guide air duct.</li><li>3. Remove the mounting bolt.</li><li>4. Lift up the assy-guide air upper.</li></ol>

### 3-3 Replacement of Assy Casing assembly (Continued)


Parts	Explanation Photo	Explanation
<p>Removal of assy casing</p>		<ol style="list-style-type: none"> <li>5. Disconnect all the leads.</li> <li>6. Remove the mounting bolts.</li> <li>7. Remove 2 screws in the cavity left side.</li> <li>8. Push the stumbling block for taking off assy casing.</li> </ol>

### 3-3 Replacement of Assy Casing assembly (Continued)

Parts	Explanation Photo	Explanation
Removal of convection motor		<p>9. Remove the nut.</p> <p>10. Remove 4 screws from casing and washer-plain.</p> <p>11. Take off the convection motor.</p>

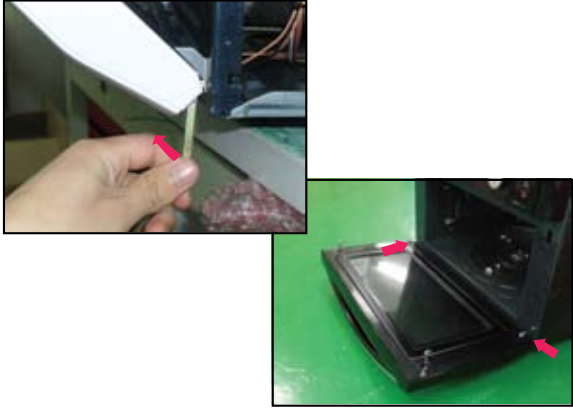
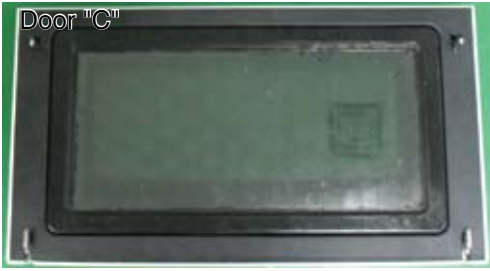

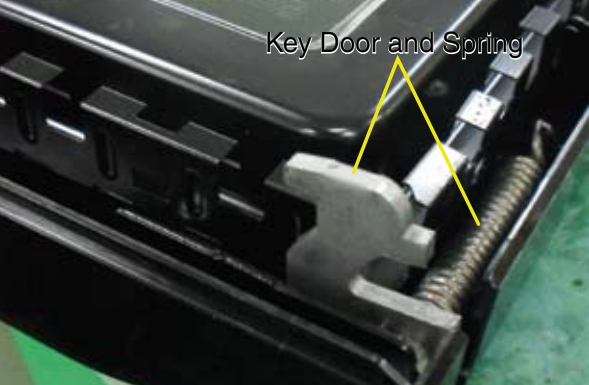


### 3-3 Replacement of Assy Casing assembly (Continued)

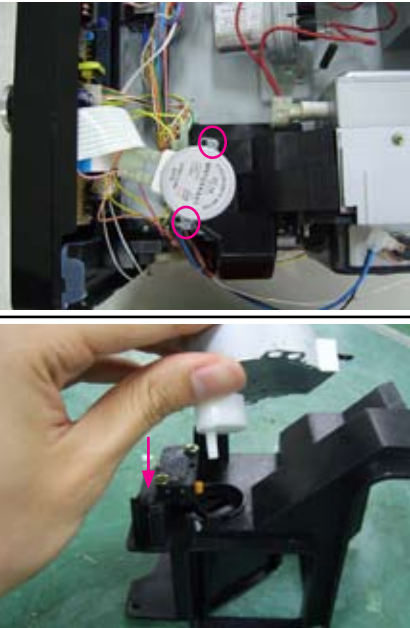
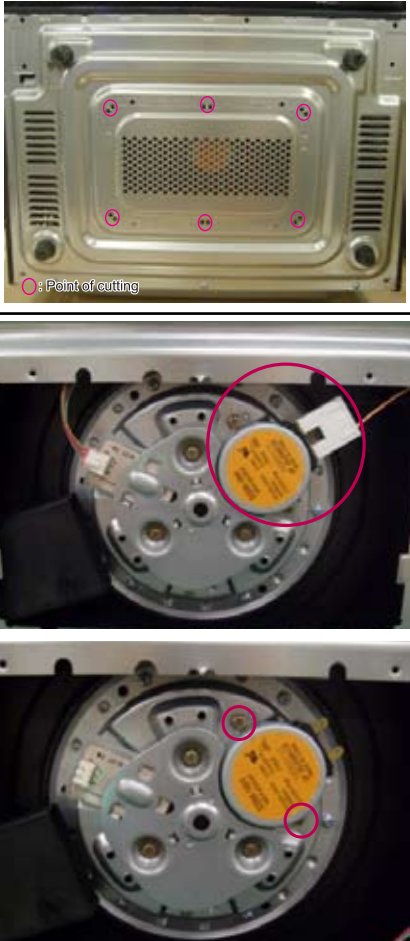
Parts	Explanation Photo	Explanation
<p>Removal of convection heater</p>		<p>12. Remove the mounting bolt.</p> <p>13. Pull the convection heater to the right to separate it.</p>



### 3-4 Replacement of Door Assembly

Parts	Explanation Photo	Explanation
Removal of Door Assembly		Separate Assy door by fixing jig into the hinge as shown in the figure
Removal of Door "C"		Insert flat screwdriver into the gap between Door "E" and Door "C" to remove Door "C". Be careful when handling Door "C" because it is fragile.
Removal of Door "E"		<p>Following the procedure as shown in the figure, insert and bend a thin metal plate between Door "E" and Door "A" until you hear the 'tick' sound.</p> <p>1. Insertion depth of the thin metal plate should be 0.5mm or less.</p>
Removal of Key Door & Spring		Remove screws securing Door "E" and ass'y Door Sub to separate.

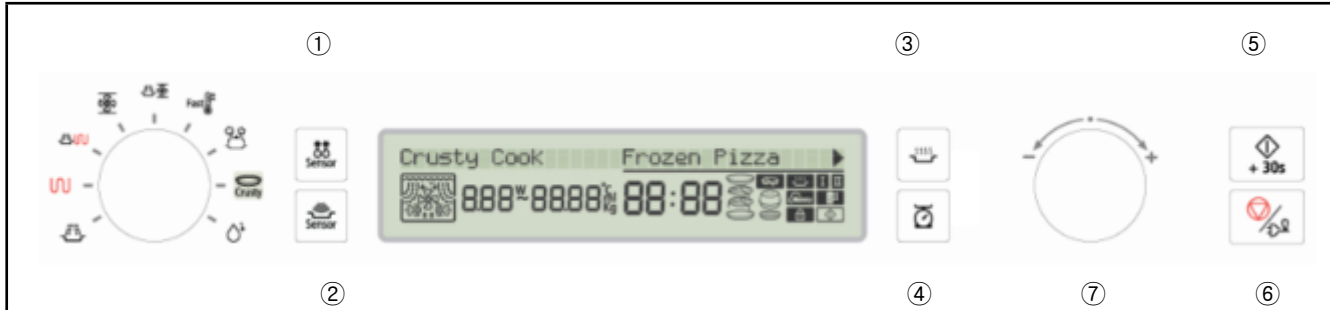
### 3-5 Replacement of Damper Motor & Drive Motor

Parts	Explanation Photo	Explanation
<p>Removal of Damper Motor</p>		<ol style="list-style-type: none"> <li>1. Remove the 2 screws holding the Damper Motor at the top right. (You have to reassemble the Damper Motor aligning the holes of the motor precisely for it to operate properly.)</li> </ol>
<p>Removal of Drive motor</p>	 <p>: Point of cutting</p>	<ol style="list-style-type: none"> <li>1. Take out the glass tray, guide roller from oven cavity, disconnect power.</li> <li>2. Remove turn table motor cover from case bottom.</li> </ol> <p><b>CAUTION</b> : Remove sharp edge after cover removal.</p> <ol style="list-style-type: none"> <li>3. Disconnect leads from drive motor.</li> <li>4. Remove 2 screws to take off drive motor.</li> <li>5. Lift out the Drive motor.</li> </ol>

### 3-6 Replacement of Assy Weight Sensor

<p>Removal of Assy sensor weight system</p>	 <p>○ : Point of cutting</p>	<ol style="list-style-type: none"><li>1. Take out the glass tray, guide roller from oven cavity, disconnect power.</li><li>2. Remove turn table motor cover from case bottom.</li></ol> <p><b>CAUTION</b> : Remove sharp edge after cover removal.</p> <ol style="list-style-type: none"><li>3. Remove 5 screws from Assy weight sensor system.</li><li>4. Lift out the Assy weight sensor system.</li></ol>
		
		

## 3-7 Calibration Method



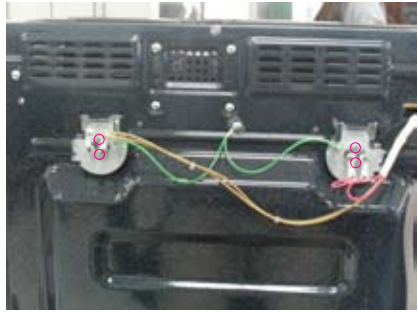

- ① KEY\_SENSOR\_DEF
- ② KEY\_SENSOR\_COOK
- ③ KEY\_KEEP\_WARM
- ④ KEY\_WEIGHT
- ⑤ KEY\_START
- ⑥ KEY\_CANCEL
- ⑦ KEY\_SELECT

\* standby mode : display is clear.

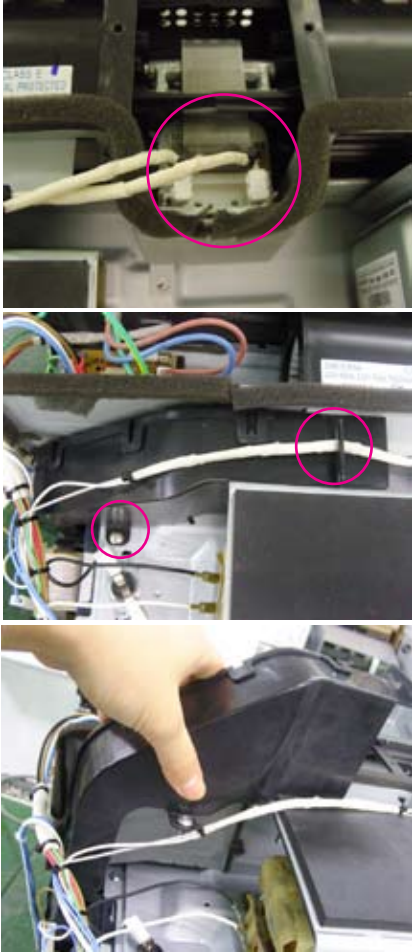
1. supply power.
2. open the door.(Beep start) - set is on.
3. Place glass tray and support tray.
4. Turn the mode selector to Grill mode.
5. Press cancel key(⑥). then display is standby mode.
6. Press sensor defrost(①) and weight button(④) at the same time for 3 sec.  
display shows tare and 0g.
7. After you check 0g on the display, Press keep warm(③).
8. After you check 650g on the display, Place 650g weight JIG on the glass tray middle. Press keep warm button(③).(650g setting)
9. If it has no problem, it appears 'YES' on the display and beep, then display is standby mode. it's complete calibration.  
But If it fails, It appears Error on the display.

**\* If it is beef and display shows E-38 or E-39, it's error.  
Again Calibration.(turn to num 1)**

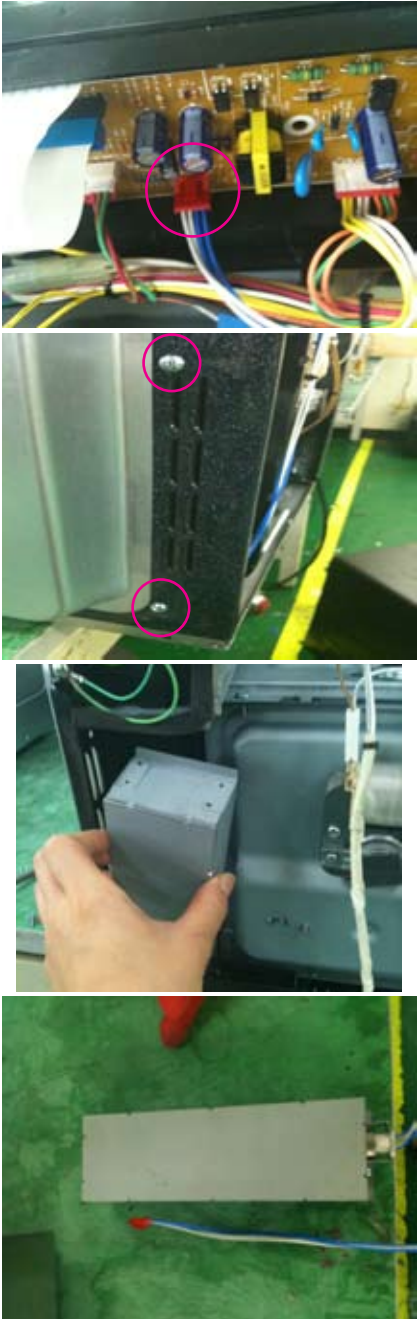
### 3-8 Replacement of Heater

Parts	Explanation Photo	Explanation
Removal of Heater		1. Remove 4 screws and wire lead.
		2. Pull the Heater in the direction of the groove from the inside the Cavity to separate it.

### 3-9 Replacement of Assy Duct Inner ( Gas sensor)


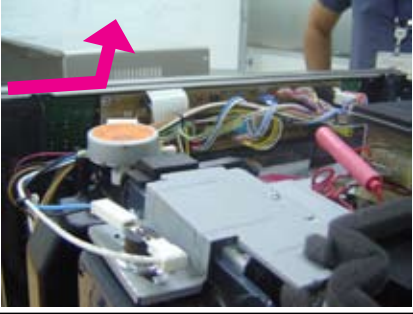


Parts	Explanation Photo	Explanation
Removal of guide air duct		<ol style="list-style-type: none"><li>1. Disconnect leads from vent motor.</li><li>2. Take off the lead wire from guide air duct.</li><li>3. Remove the mounting bolt.</li><li>4. Lift up the assy-guide air upper.</li></ol>

### 3-9 Replacement of Assy Duct Inner ( Gas sensor)

Parts	Explanation Photo	Explanation
Removal of Assy duct inner (Gas sensor)		<ol style="list-style-type: none"><li>5. Disconnect leads from Main PCB.</li><li>6. Remove 2 screws.</li><li>7. Take off Assy duct inner.</li></ol>



### 3-10 Replacement of Control Circuit Board

Parts	Explanation Photo	Explanation
Removal of Control Box Assembly		<ol style="list-style-type: none"> <li>1. Disconnected Lead wire from Control box Assembly.</li> </ol>
		<ol style="list-style-type: none"> <li>2. Remove the 2 screws at both ends holding the Control Box Assembly.</li> <li>3. Pull the Control Box Assembly to the left to separate it.</li> </ol>
		<ol style="list-style-type: none"> <li>4. Remove 3 screws from PCB Assembly.</li> </ol>
		<ol style="list-style-type: none"> <li>5. Remove 10 screws from Assy Display.</li> </ol>



## 4. Troubleshooting

1. ERROR CODE NUMBERING RULE is applied to a microwave oven and an oven.(CMO, OTR, Grill, Convection, Commercial etc.)
2. All sensors and devices have their own number. ex) Gas Sensor = 1, Temp. Sensor = 2, ...
3. Of each device, No.1 and No.2 refer to "Open Error" (not sensed) and "Short Error", respectively.
4. This numbering rule has been applied to models to have been developed since January, 1, 2005. (But, GE or Customize model are excluded.)

**E - 1 1**

DEVICE	ERROR CASE
0- Others	1- Open
1- Gas Sensor	2- Short
2- Temp. Sensor	•
3- Weight Sensor	•
4- Easy/PH Sensor	•
5- EEPROM	

### 4-1 Failure Codes

#### Gas Sensor

Error Code	Case	Solution	Page
E-11	GAS SENSOR OPEN In case the value of the gas sensor value is more than 210 during operation/cancellation.	Check sensor part connection of sensor housing and PCB's connector.	26 Page
E-12	GAS SENSOR SHORT In case the value of the gas sensor value is less than 6 during operation/cancellation.		27 Page
E-13	GAS SENSOR MAX TIME In case of gas sensor time is over estimated cook time.		28 Page

## 4-1 Failure Codes (Continued)

### Temp Sensor

Error Code	Case	Solution	Page
E-21	TEMPER SENSOR OPEN In case the value of the temperature sensor value is more than 250 during operation/cancellation.	Check sensor part and connection of sensor housing and PCB's connector	26 Page
E-22	TEMPER SENSOR SHORT In case the value of the temperature sensor value is less than 5 during operation/cancellation.		27 Page
E-23	UNFINISHED PREHEAT In case the oven has not reached the desired temperature although a certain amount of time has passed(Unfinished preheating.)	Check heater	29 Page
E-25	OVER 230° DURING OPERATION OF MWO MODE In case the temperature rises over 230° during operation of mwo mode (fire sensed.)		30 Page

### Weight Sensor

Error Code	Case	Solution	Page
E-31	WEIGHT SENSOR OPEN In case the value of the weight sensor value is more than 999 during operation/cancellation.	Check sensor	26 Page
E-32	WEIGHT SENSOR SHORT In case the value of the weight sensor value is less than 30 during operation/cancellation.		27 Page
E-37	TURN TABLE TAKE OFF In case of taking off the support tray	Check support-tray and glass tray and then perform the Calibration again	31 Page
E-38	Calibration In case of 0g calibration, Weight sensor value is not correct.		
E-39	Calibration In case of 650g calibration, Weight sensor value is not correct.		

## 4-1 Failure Codes (Continued)

### Eeprom Error

Error Code	Case	Solution	Page
E-51	Open (Sensor Failure)	Replace EEPROM and restart.	32 Page
E-53	Read/Write Error		







### Mater - Slave MCU Error

Error Code	Case	Solution	Page
E-83	Communication This error occurs when communication does not working between MCU and LCD display MCU under operation.	Check the communication about Assy display and main PCB.	33 Page




### Others

Error Code	Case	Solution	Page
E-A1	DAMPER S/W In case it fails to sense the DAMPER to open or close for 1minutes.	Check Damper motor.	34 Page
-SE-	Key short Error (10 seconds)	Turn off set and restart	35 Page

## 4-2 Part Checking method

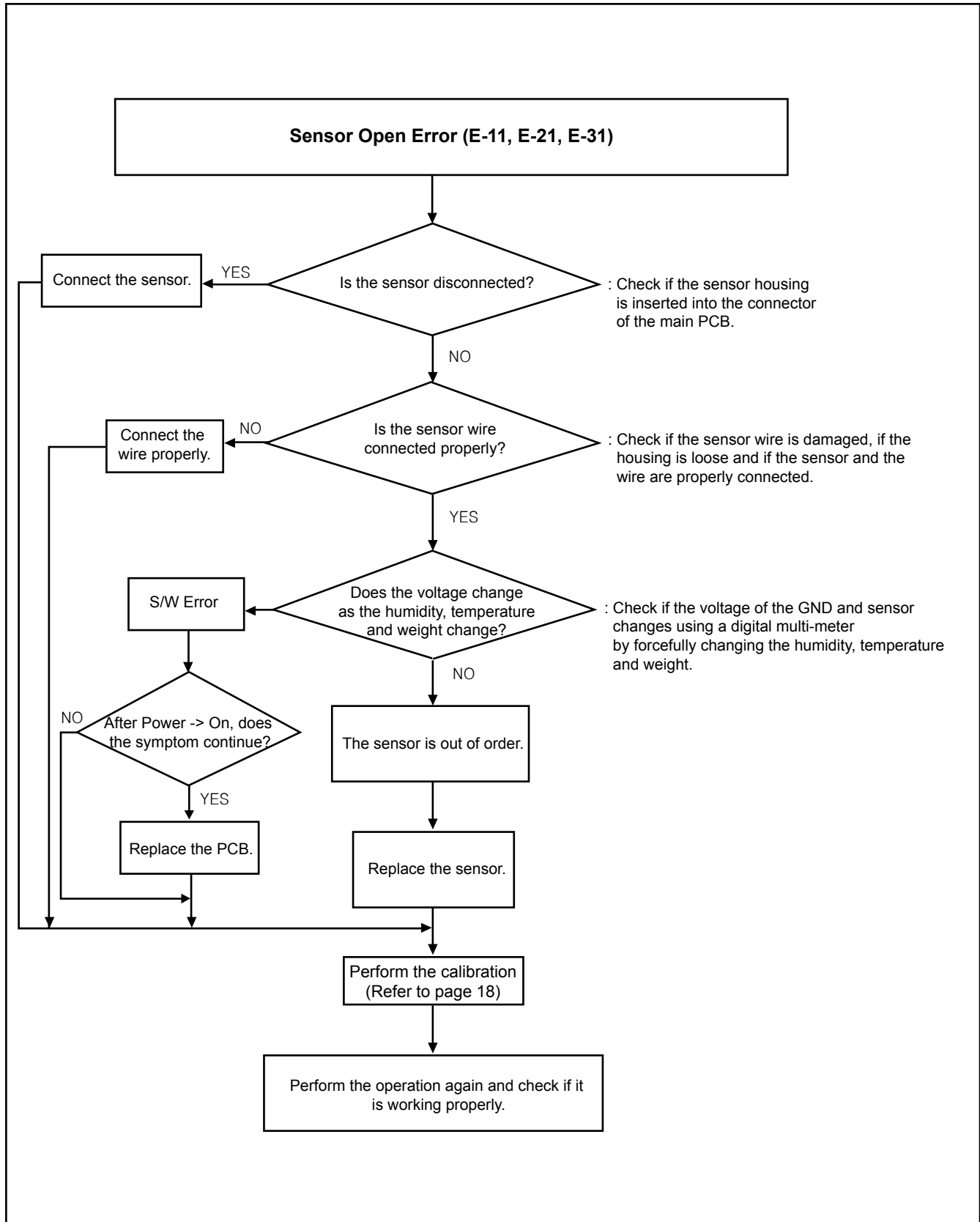
Parts	Photo	Good	No Good
Main Fuse		13.5 ~ 17 Ω	100 MΩ exceed
T.C.O		0.1 ~ 1 Ω	100 MΩ exceed
Damper Motor		13.5 ~ 15.5 kΩ	100 MΩ exceed
H.V Trans		Primary : 1 ~ 5 Ω Secondary : 110 ~ 200 Ω	100 MΩ exceed
Convection Motor		120 ~ 150 Ω	100 MΩ exceed
Convection Heater		120 ~ 150 Ω	100 MΩ exceed

## 4-2 Part Checking method (Continued)

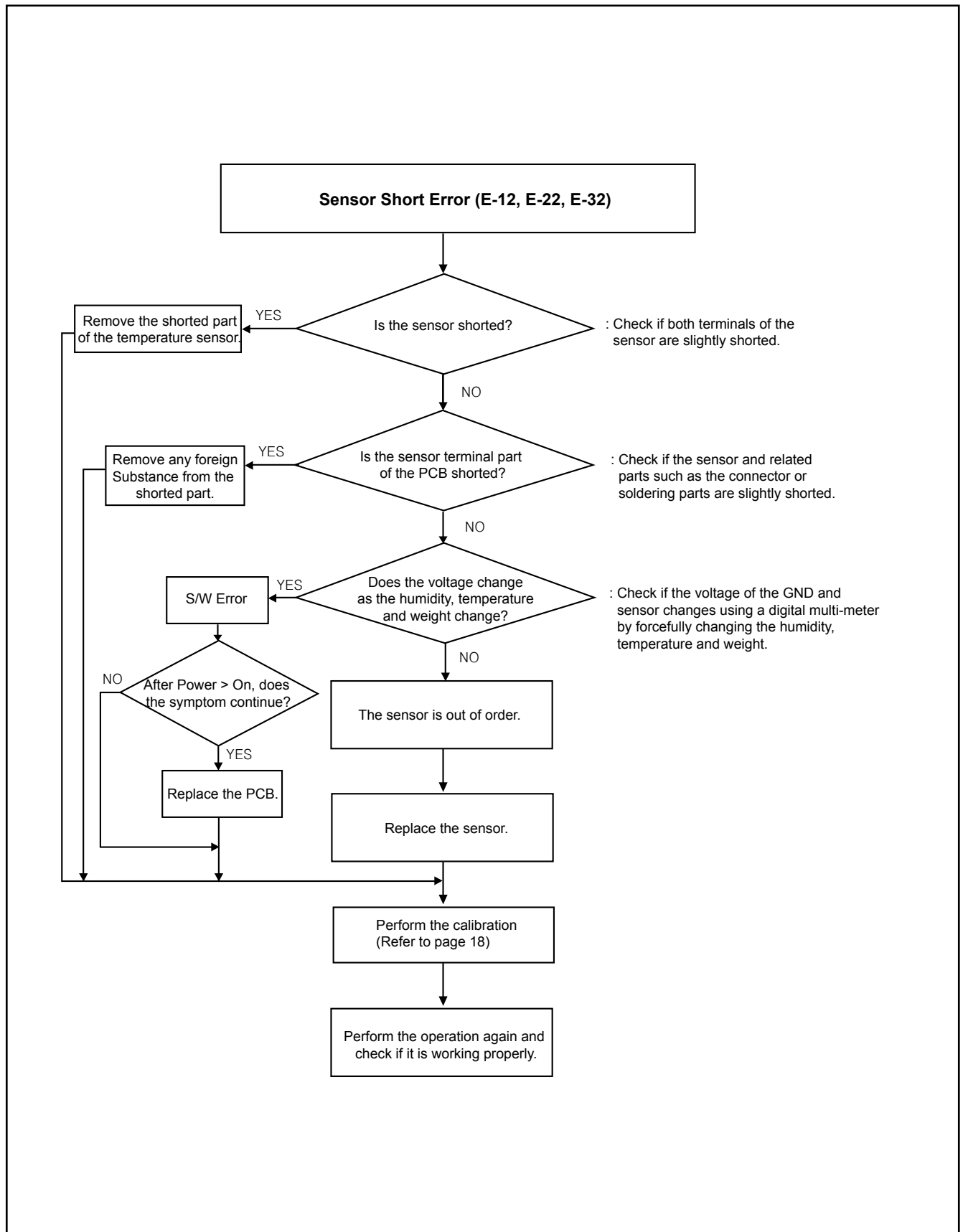
Parts	Photo	Good	No Good
T/T Motor		13.5 ~ 17 k $\Omega$	100 M $\Omega$ exceed
Fan Motor		50 ~ 60 $\Omega$	100 M $\Omega$ exceed
Grill Heater		60 ~ 80 $\Omega$	100 M $\Omega$ exceed

## 4-3 Electrical Malfunction

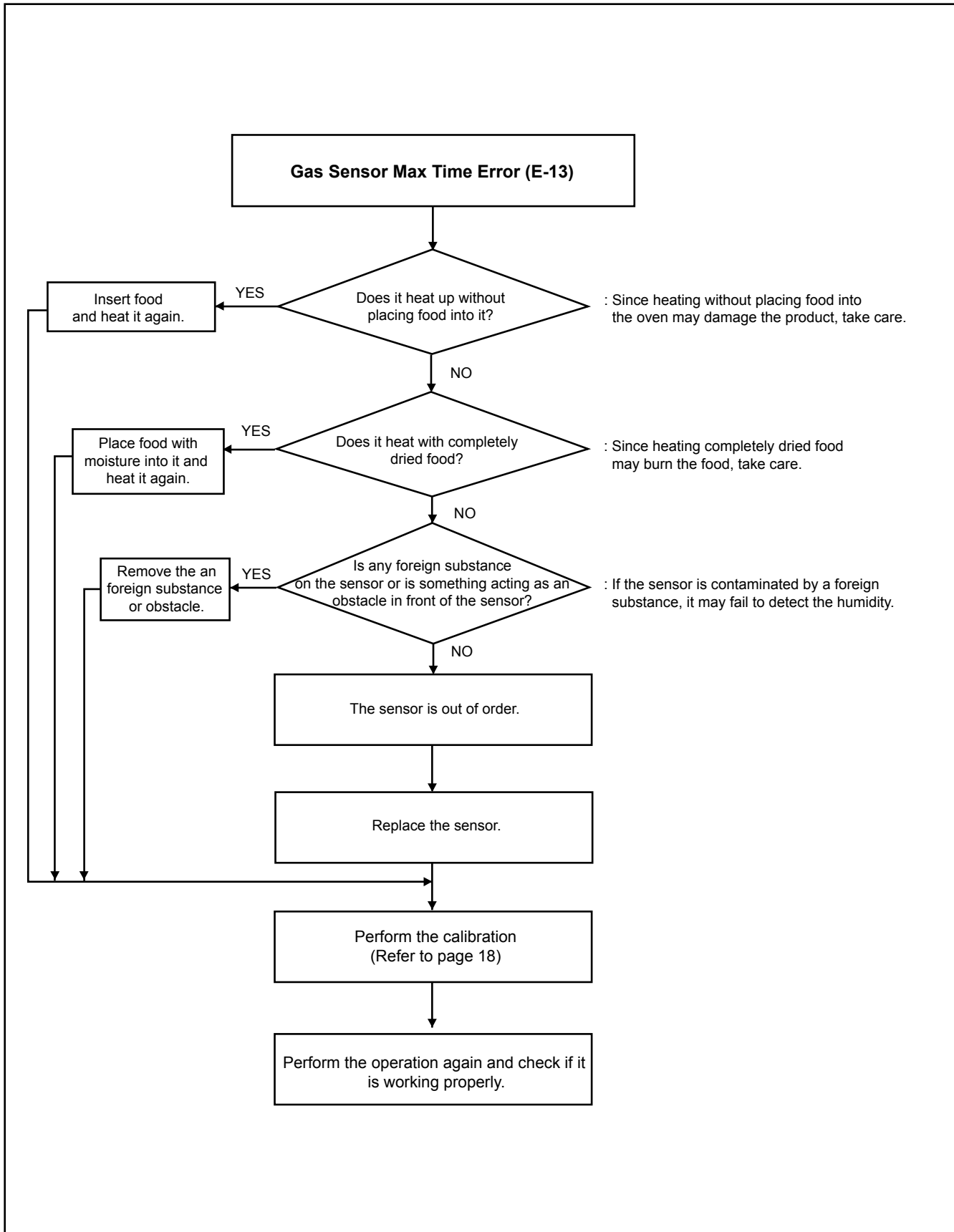
### 4-3-1 Sensor Open Error



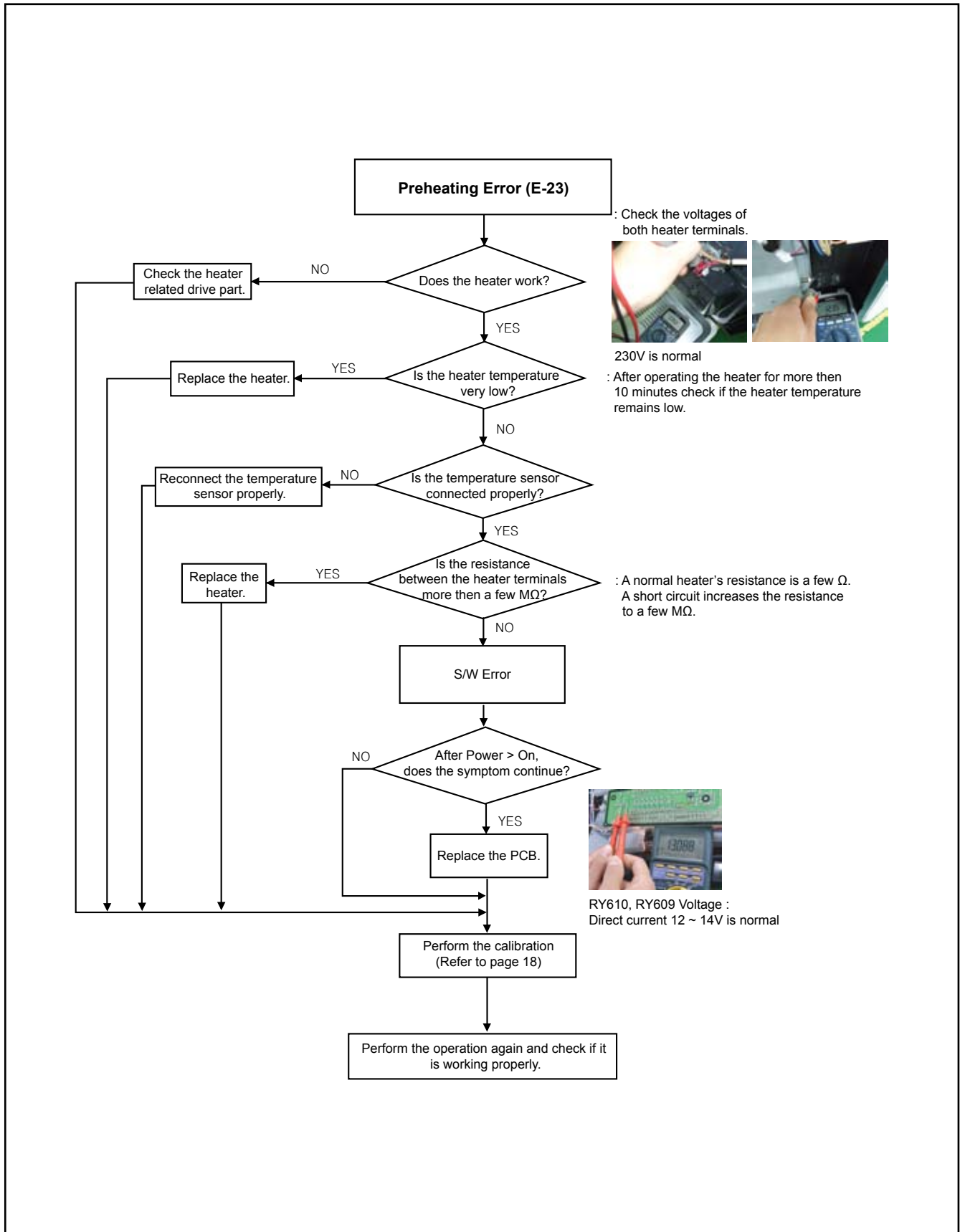
## 4-3-2 Sensor Short Error

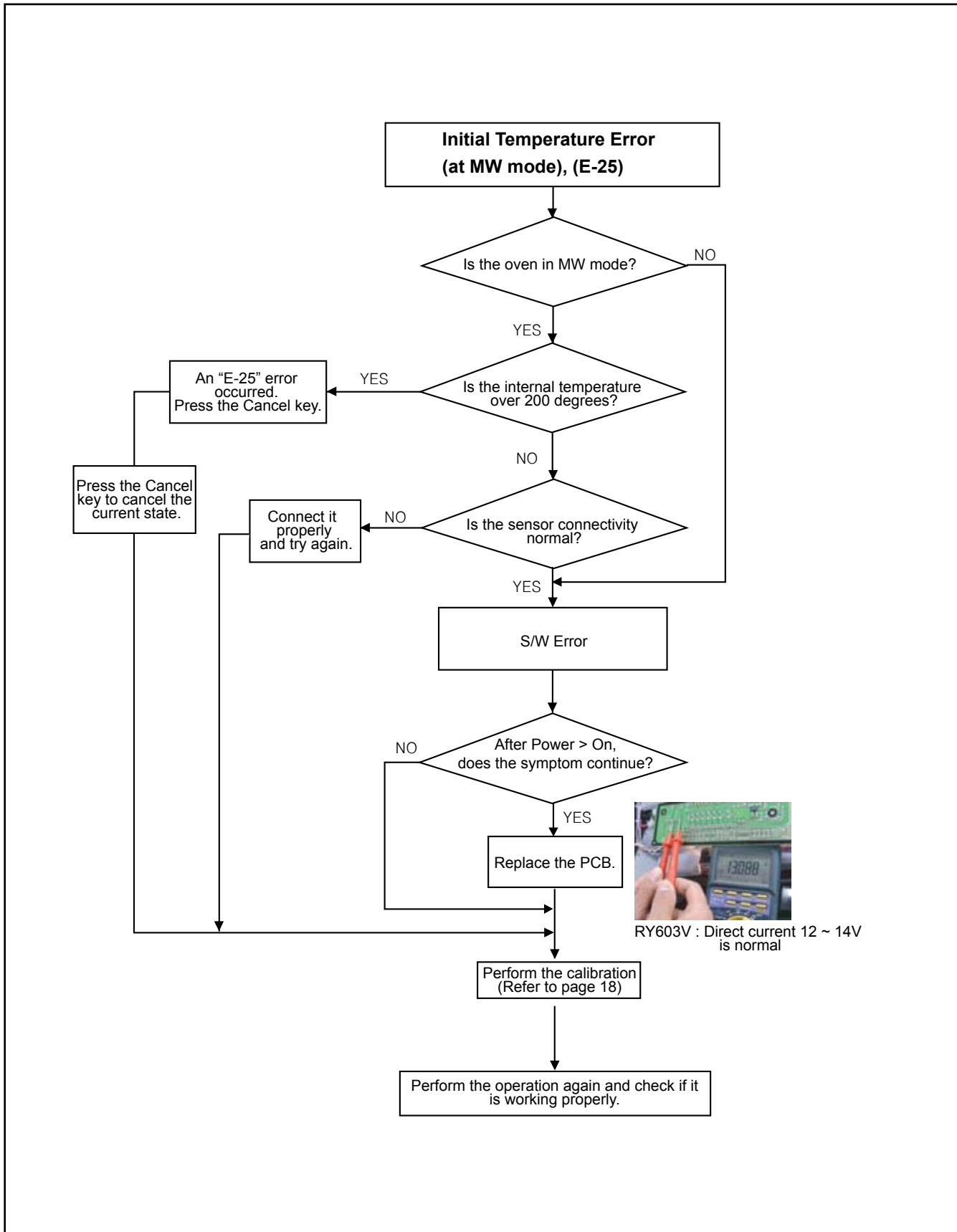


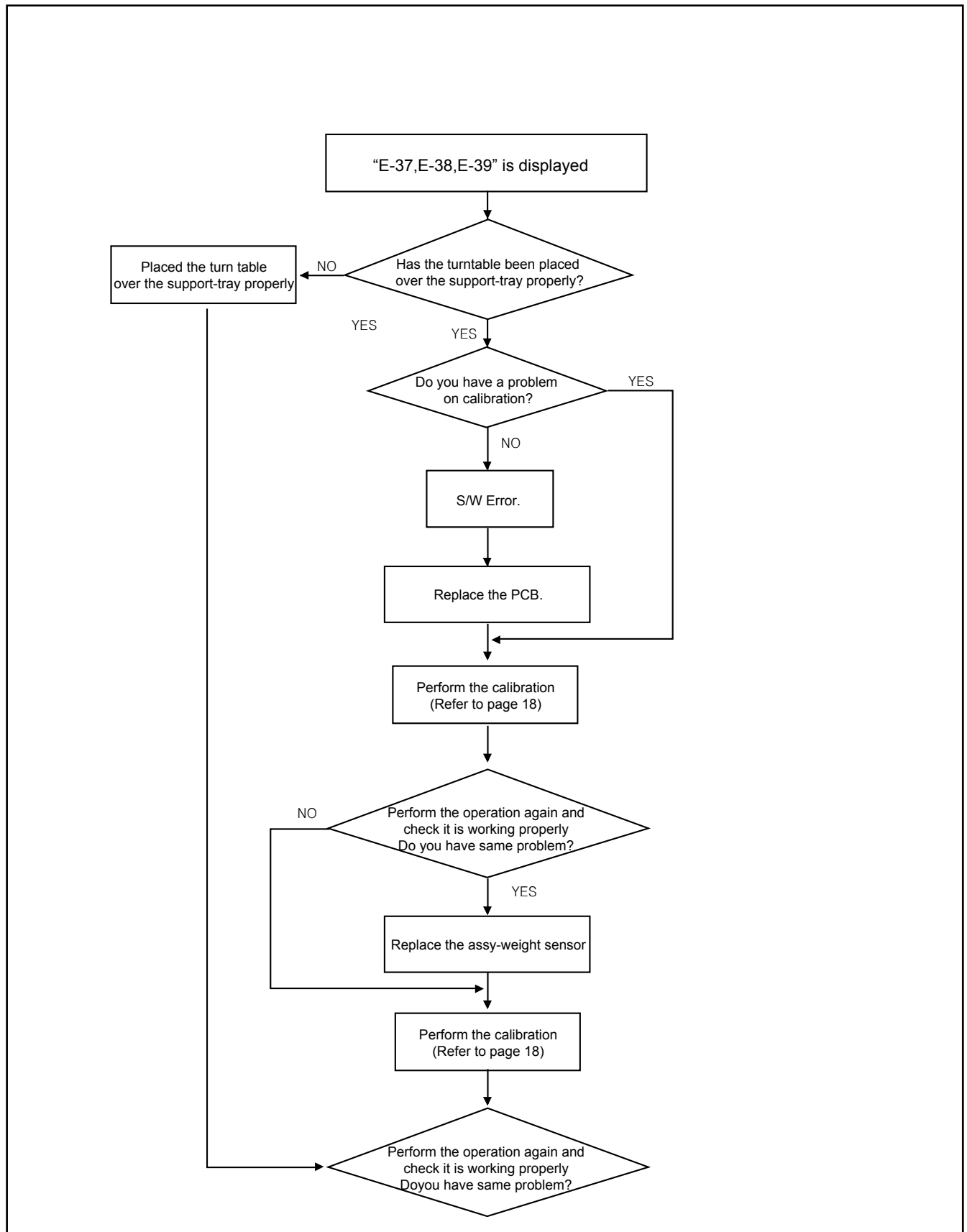
### 4-3-3 Sensor Max Time Error



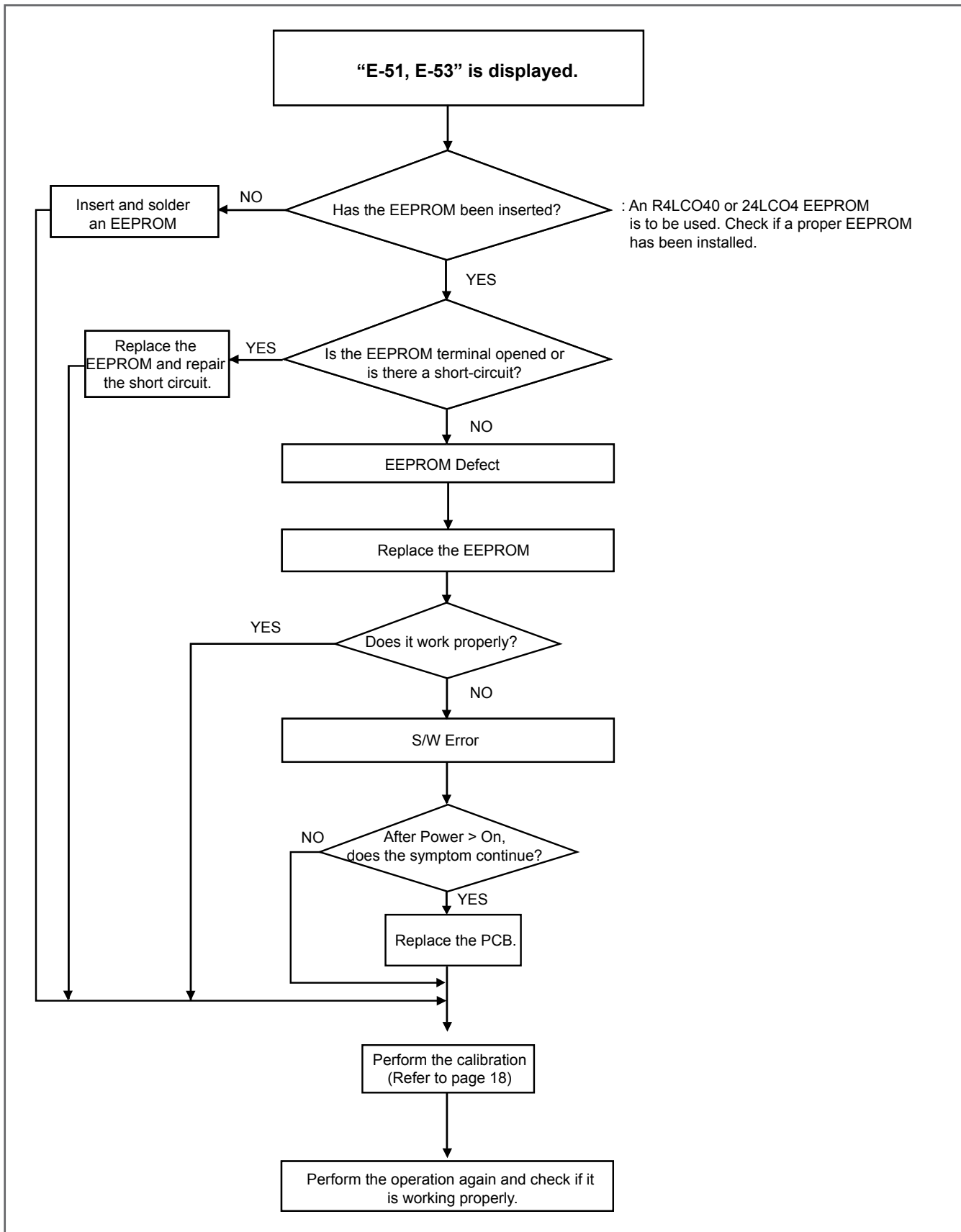


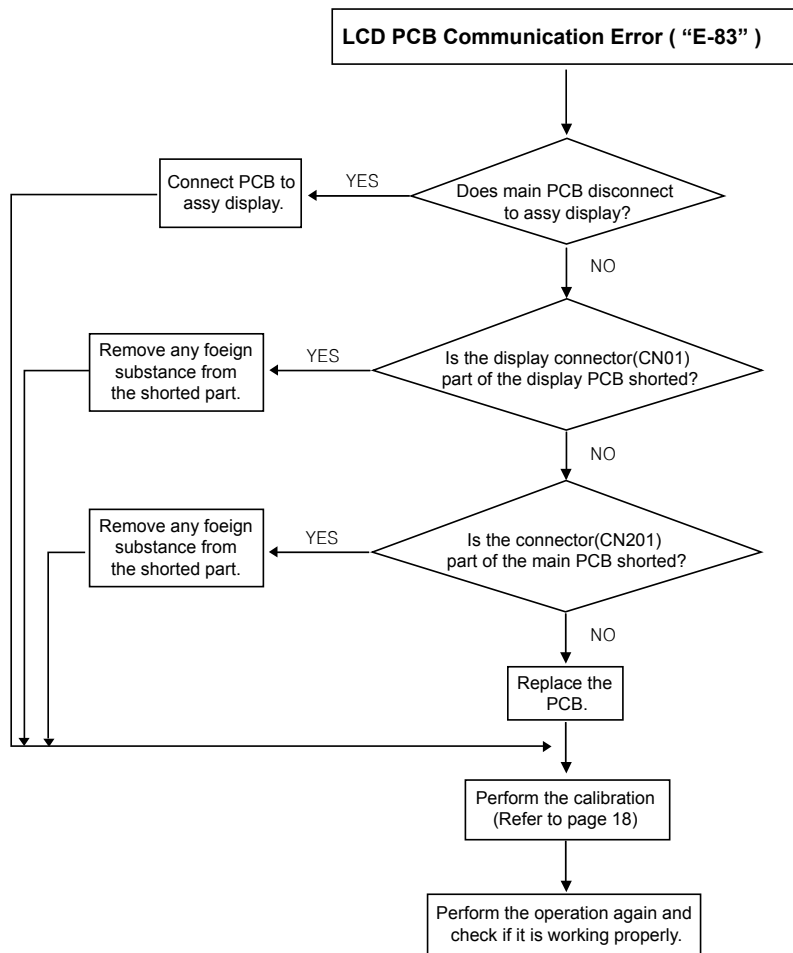






4-3-7 E-51 , E-53





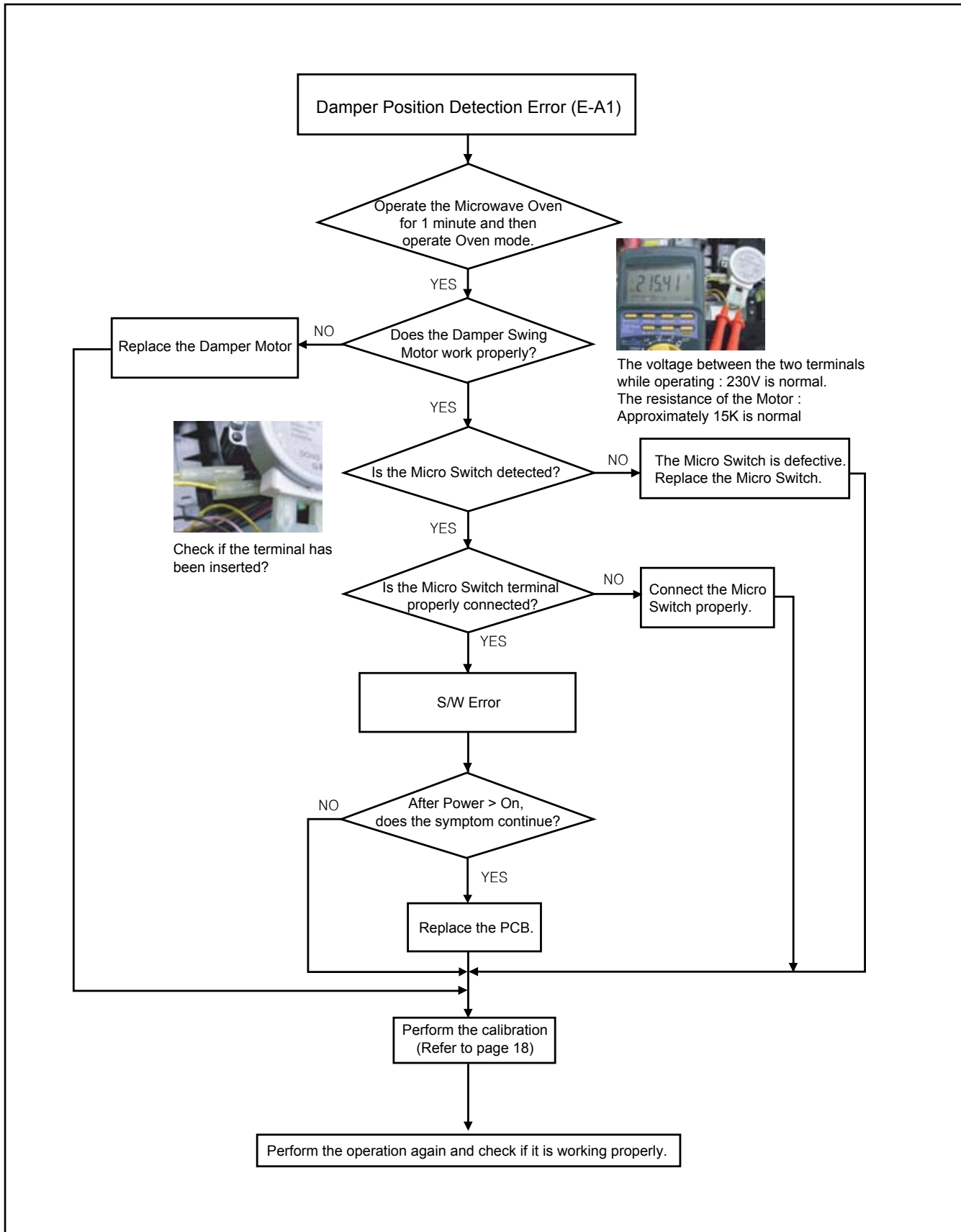
: Check if the the connector soldering parts are slightly shorted

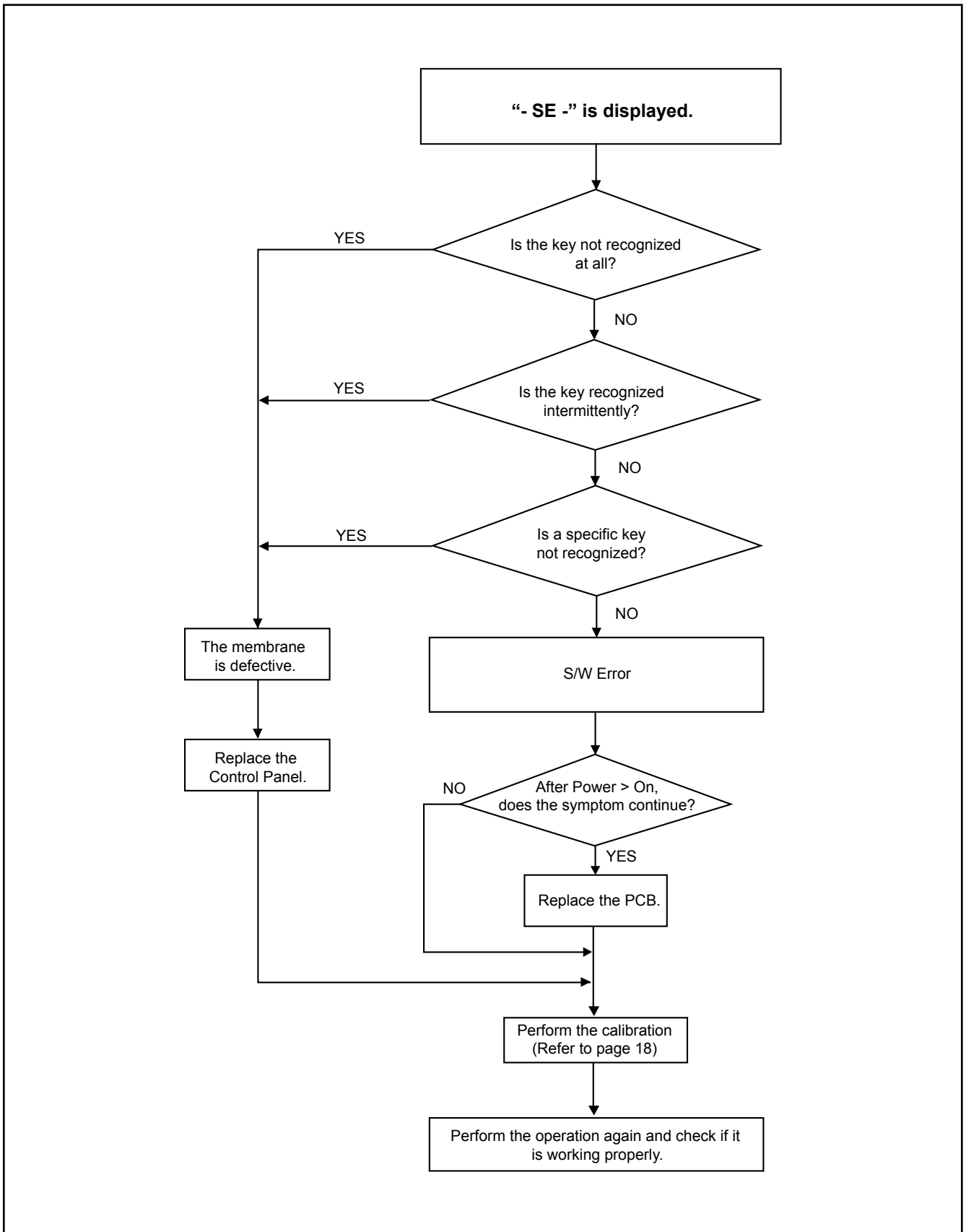


: Check if the the connector soldering parts are slightly shorted

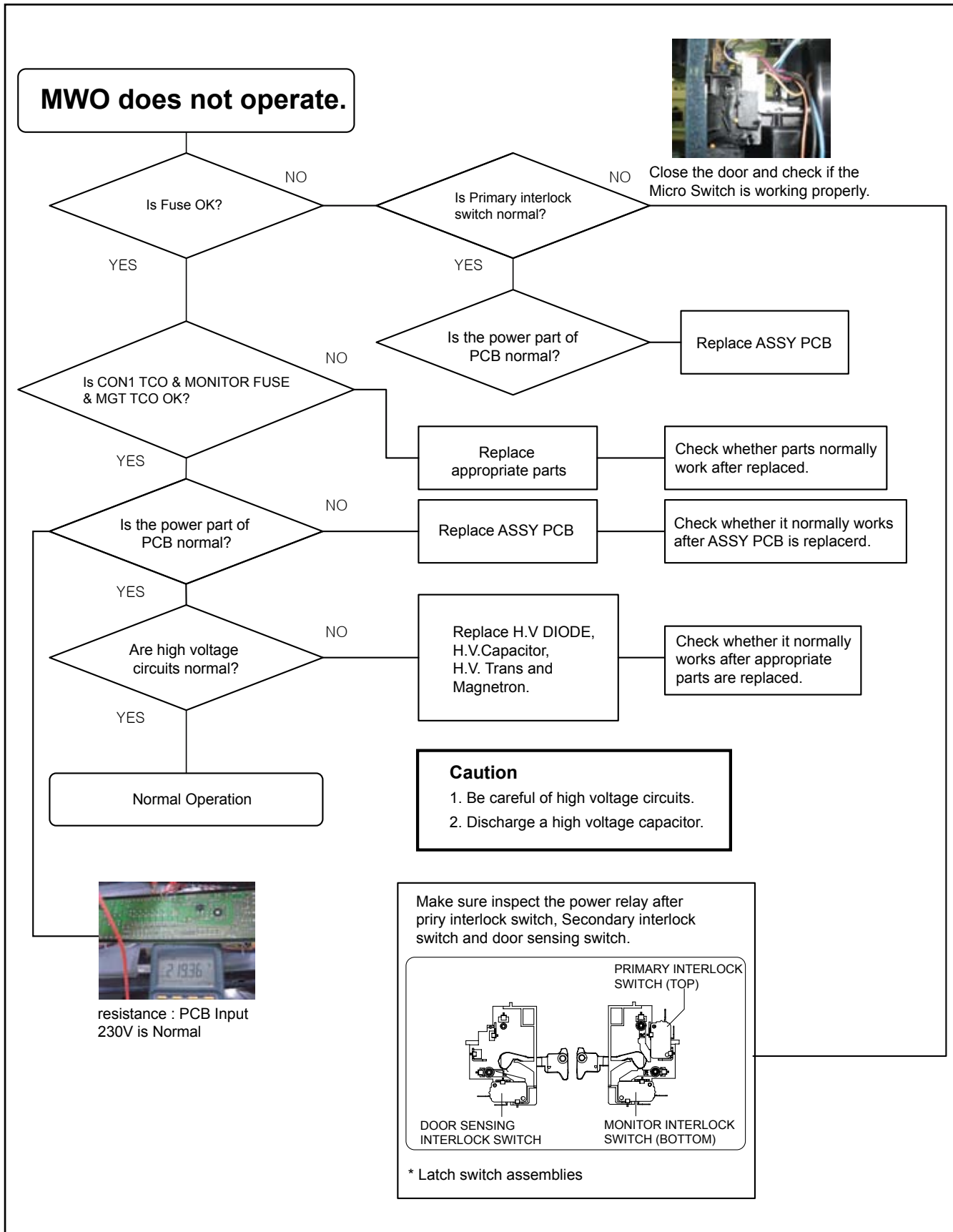


4-3-9 E-A1



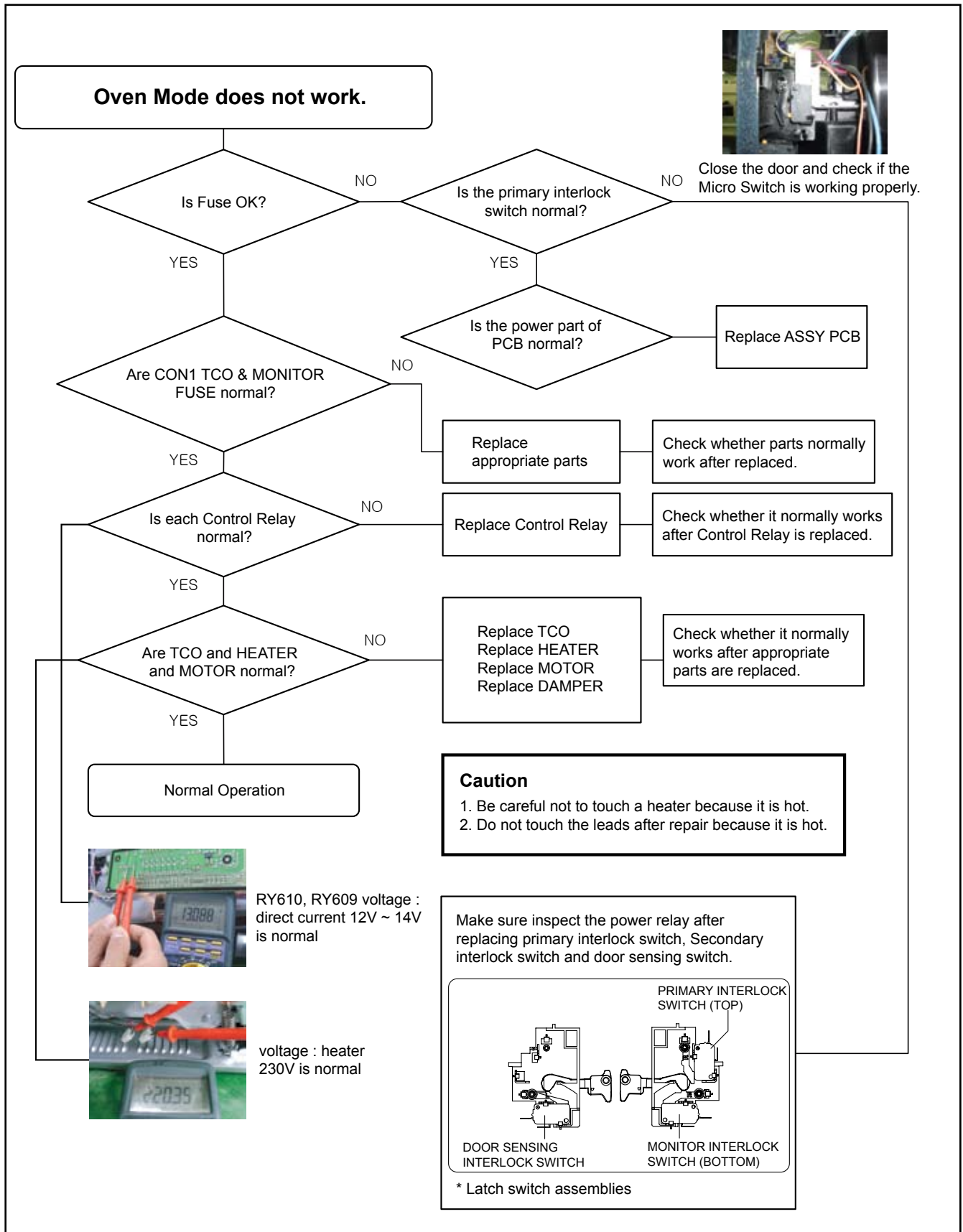


## 4-3-11 If MWO malfunction

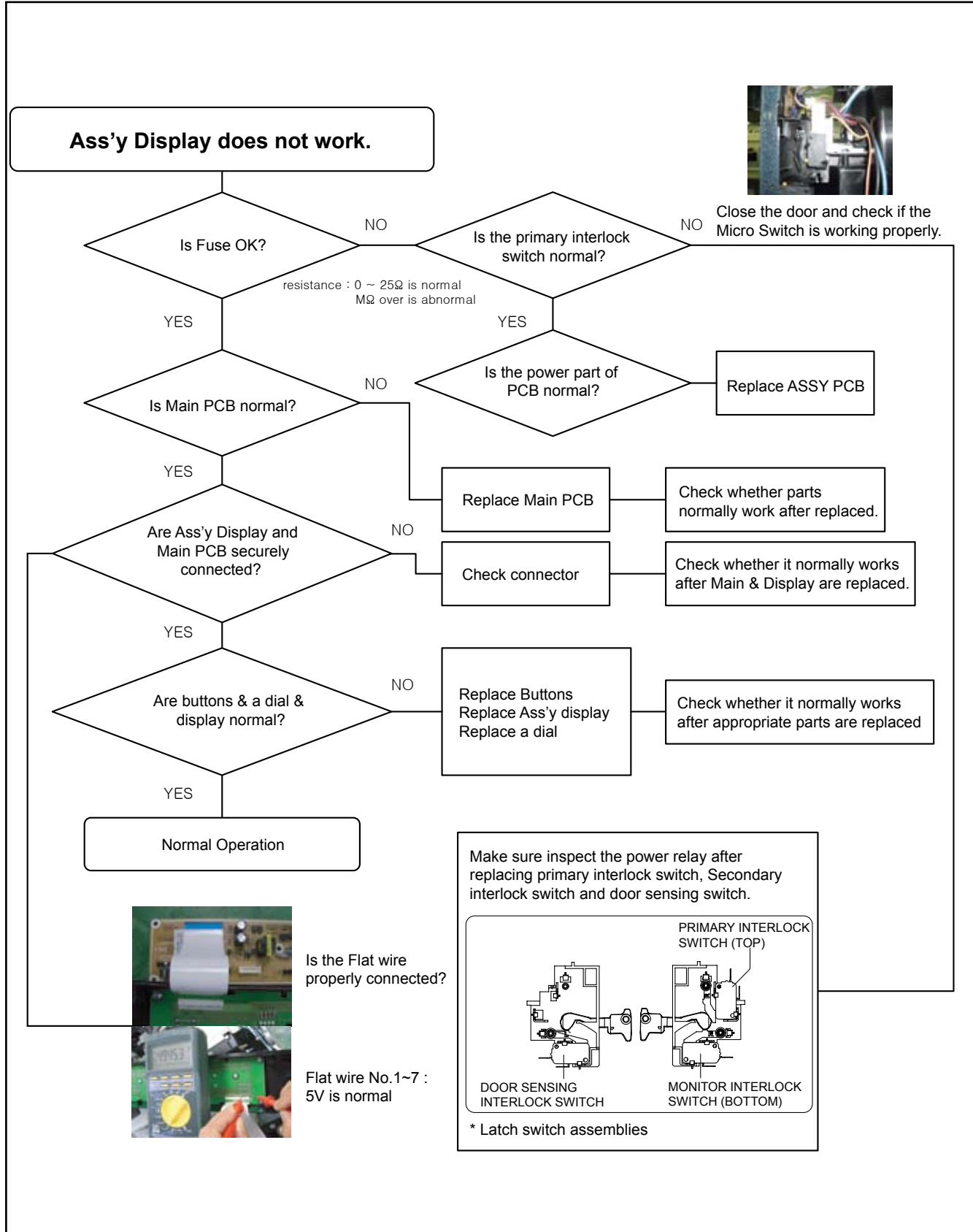




## 4-3-12 If OVEN malfunction

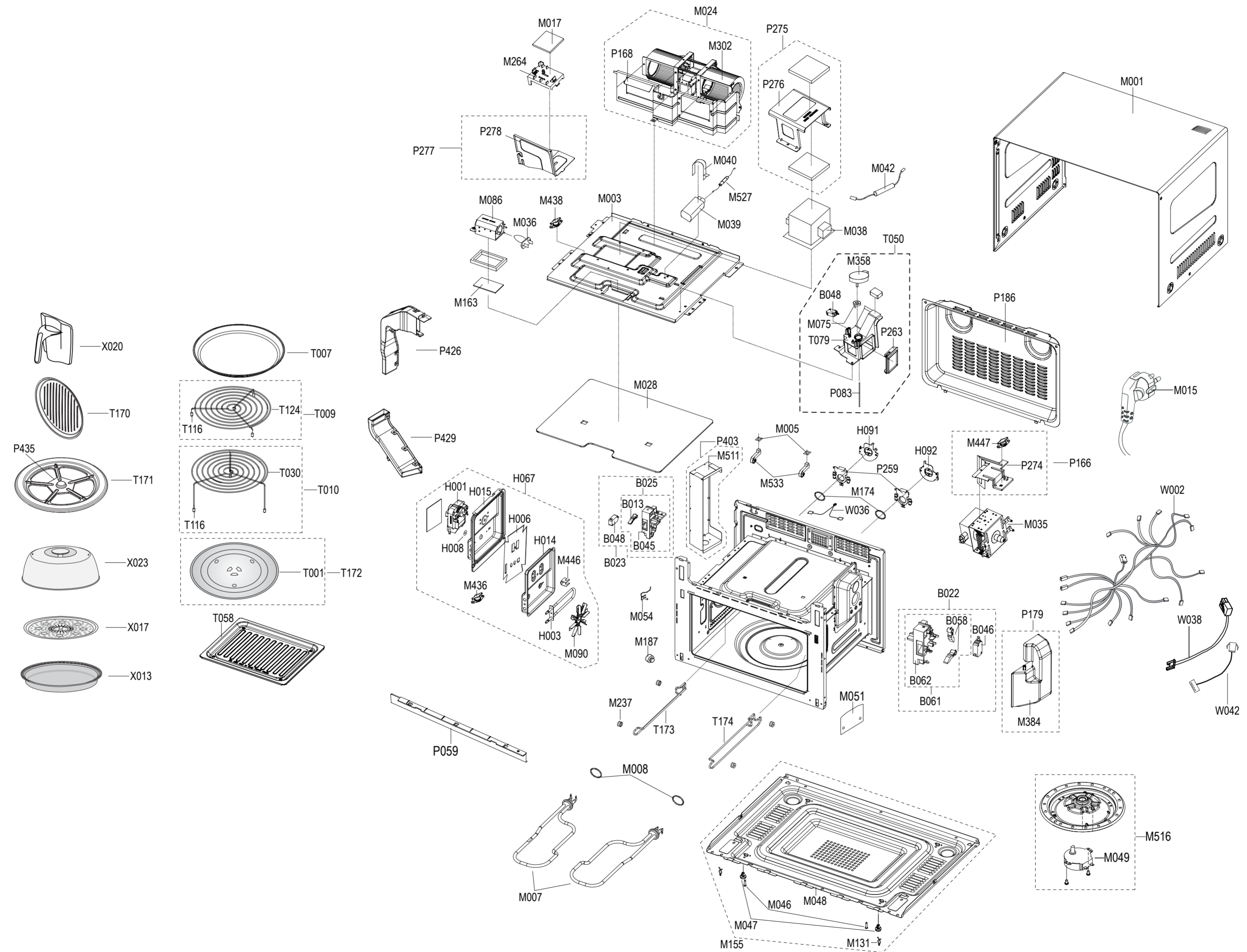


## 4-3-13 If Assy Display malfunction



# 5. Exploded Views and Parts List

## 5-1 Exploded Views



## 5-2 Main Parts List

(SNA : SERVICE NOT AVAILABLE)

No.	Code No.	Description	Specification	Q'ty	SA/ SNA	Remark
B013	DE66-00223A	LEVER-SWITCH L	TRIO PLUS,PA,NON-FLAMMABL	2	SA	-
B022	DE94-02203B	ASSY BODY LATCH-R	CP1395EST,TRIO PLUS SE	1	SNA	-
B023	DE94-02200A	ASSY BODY LATCH-L	TRIO PLUS,NYLON#66 GF1	1	SA	-
B025	DE94-02201A	ASSY BODY LATCH SUB-L	TRIO PLUS,NYLON#66	1	SA	-
B045	DE61-01226A	BODY-LATCH L	TRIO PLUS,PA66,KN3321G15,V0	1	SA	-
B046	3405-001032	SWITCH-MICRO	125/250VAC,16A,200GF,SPDT	2	SA	-
B048	3405-001034	SWITCH-MICRO	125/250VAC,16A,200gf,SPST-N	1	SA	-
B048	3405-001034	SWITCH-MICRO	125/250VAC,16A,200gf,SPST-N	1	SA	-
B058	DE66-00224A	LEVER-SWITCH R	TRIO PLUS,PA,NON-FLAMMABL	2	SA	-
B061	DE94-02202A	ASSY BODY LATCH SUB-R	TRIO PLUS,NYLON#66	1	SA	-
B062	DE61-01227A	BODY-LATCH R	TRIO PLUS,PA66,KN3321G15.V0	1	SA	-
H001	DE31-00062A	MOTOR CONVECTION	SMC-M159E,220/230V-60/5	1	SA	-
H003	DE47-00049A	HEATER-CONVECTION	SHC-E135A,CP135S,420W,	1	SA	-
H006	DE62-00090A	ADIABATIC-CASING	TRIO PLUS,F/GLASS,T3.0,	1	SA	-
H008	6031-001544	WASHER-PLAIN	SECC,ID4,OD16,T1,ZNC3,ID3	1	SA	-
H014	DE61-01224A	BRACKET-CASING	TRIO PLUS,ALSTAR,T0.5,W22	1	SA	-
H015	DE63-00625A	COVER-CASING	TRIO PLUS,SECC,T0.6,TURN-TA	1	SA	-
H067	DE94-02210A	ASSY CASING	CP1370 / CPS1390,TRIO PLUS L	1	SA	-
H091	DE61-00973A	STOPPER-GRILL HEATER(L)	AURORA,SECC,T0.8	1	SNA	-
H092	DE61-00974A	STOPPER-GRILL HEATER(R)	AURORA,SECC,T0.8	1	SNA	-
M001	DE64-02317H	PANEL-OUTER	TRIO PLUS,EGI-SECC,T0.6,W520	1	SA	-
M003	DE61-01274A	BRACKET-UPPER	CP1370,EGI-SECC,T1.0,TRIO	1	SNA	-
M005	DE61-70060A	SPRING-PLATE	-,SK-5,T0.5,-,-,-,-,-,-,-,-	2	SA	-
M007	DE47-00045D	HEATER-GRILL	SHG-E365B,CP1370,750W,230V,	2	SA	-
M008	DE63-20017A	GASKET-HEATER	-,BRASS,T1.5,OD30.5,ID22.5	2	SA	-
M015	DE96-00385A	ASSY POWER CORD	CEE,Straight,250V/16A,H0	1	SA	-
M017	DE96-00399F	ASSY NOISE FILTER	AURORA STEAM,SN-UF11F,	1	SA	-
M024	DE90-00938A	ASSY MOTOR-VENTILATION	-,-,220V,-,AURORA	1	SA	-
M028	DE62-00063A	ADIABATIC-UPPER	AURORA PROJECT,F/GLASS,3	1	SA	-
M035	OM75P(20) MTMN	ASSY-MGT		1		-
M036	4713-001046	LAMP-INCANDESCENT	240V,104mA,25W,ORG,25x	1	SA	-
M038	DE26-00149A	TRANS H.V	SHV-E10A,230V,50Hz,2435V/3.30V	1	SNA	-
M039	2501-001015	C-OIL	1.0uF,2100V,BK,35X54X80,20mm	1	SA	-
M040	DE61-00139A	BRACKET-HVC	NC2000,SECC,T0.8,-,-,-,0.6/0	1	SA	-
M042	DE91-70061B	ASSY H.V.FUSE	-,THV060T-0750-H,5KV/0.75A	1	SA	-
M046	DE60-60025A	PIN-FOOT	-,,-,-,-,-,-,-,-,-,-	4	SA	-
M047	DE61-40065A	FOOT	-,PP,T2x22x17mm,BLK,-,-,-,-	4	SA	-
M048	DE61-01220A	BASE-PLATE	TRIO PLUS,SGCC,T0.6,TURN TABL	1	SNA	-
M049	DE31-10170A	MOTOR SYNCHRONOUS	M2LJ24Z702,ST-16F,220/	1	SA	-
M051	DE63-00623A	COVER-CEILING	ATAG BI MWO,MICA SHEET,T=0	1	SA	-

## 5-2 Main Parts List (Continued)

(SNA : SERVICE NOT AVAILABLE)

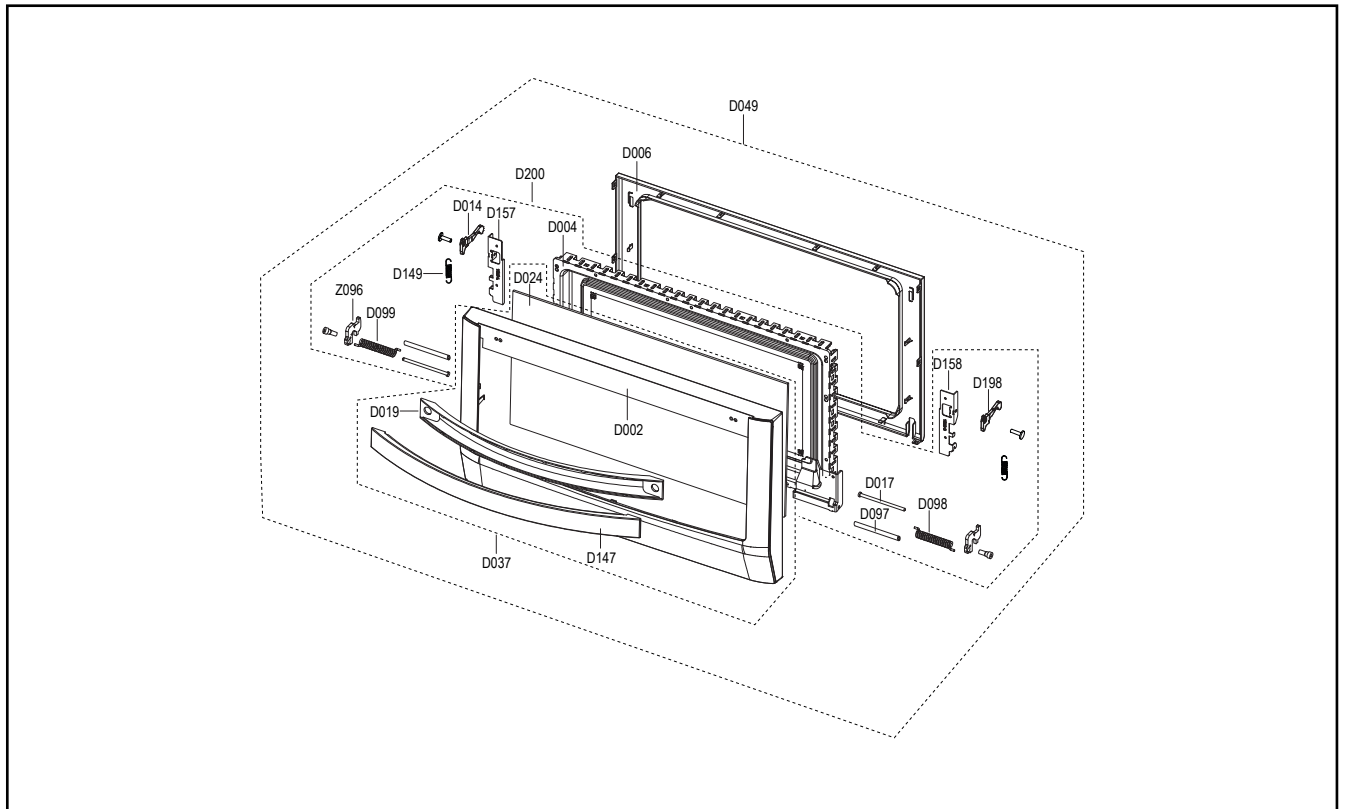
No.	Code No.	Description	Specification	Q'ty	SA/ SNA	Remark
M054	DE32-10013A	SENSOR	PTM-K312-K2, MG620440,-20- to+310C,1	1	SA	-
M075	DE66-00176A	CAM-MOTOR	1.5CONV,POM(K300NTR)	1	SA	-
M086	DE63-00460A	COVER-LAMP	AURORA,STS430,T0.4,W42.4,L34.	1	SA	-
M090	DE67-00226A	FAN-CONVECTION	AURORA,ALSTAR,T0.6,W125,L	1	SA	-
M131	DE65-20005A	WIRE-SADDLE	2N,-,-,-,-	2	SA	-
M155	DE94-02199A	ASSY BASE PLATE	TRIO PLUS,SGCC,T0.6	1	SA	-
M163	DE64-01917A	GLASS-LAMP	AURORA PROJECT,GLASS,T=2.0,CL	1	SA	-
M174	DE63-00132A	GASKET-TEFLON	PG81/PG83,TEFLON,T1.5,PI28	2	SNA	-
M187	DE61-00694A	STOPPER	GE107W/GE87W,AL,-,-,-,-,CLEAN- BO	1	SA	-
M237	DE61-01246A	HOLDER-SUPPORT(REAR)	TRIO-PLUS,TEFLON,WH	2	SA	-
M264	DE61-01003A	HOLDER-NOISE FILTER	AURORA,PP,NTR,FH44N	1	SA	-
M302	DE31-00051A	MOTOR BLOWER	SMB-E365A,230V/50Hz,2300RPM	1	SA	-
M358	DE31-10098A	MOTOR SYNCHRONOUS	M2LB24ZR92,220/240V,50	1	SA	-
M436	DE47-20009A	THERMOSTAT	NT-101,250V 10A/125V 15A,150(	1	SA	-
M438	DE47-20005A	THERMOSTAT	-,NT-101,250V 10A/125V 15A,-,	1	SA	-
M446	DE61-01221A	SUPPORT-HEATER FIXER	TRIO-PLUS,STS304,T0	1	SA	-
M447	DE47-20010A	THERMOSTAT	-,NT-101,250V 10A/125V 15A,-,	1	SA	-
M511	DE67-00257A	DUCT-INNER	CP1370,EGI-SECC,T0.5,TRIO PLU	1	SA	-
M516	DE96-00837A	ASSY SENSOR-WEIGHT SYSTEM	CP1370,WEIGHT	1	SA	-
M527	DE59-00002A	DIODE-H.V	MWO ALL,2CL4512H,-,450mA 13KV,	1	SA	-
M533	DE61-01030A	SUPPORT-HEATER	AURORA,ALUMINA,T12,-,-,IV	2	SA	-
P059	DE63-00481A	COVER-FRONT	AURORA PROJECT,PP TB53,-,-,-	1	SA	-
P083	DE72-00040B	DAMPER-PIN	AURORA PROJECT,MSWR,PI=2,AURO	1	SA	-
P166	DE97-00736A	ASSY GUIDE AIR-MGT	AURORA PROJECT,-,1.3	1	SA	-
P168	DE94-01838A	ASSY BRACKET-VENT(A)	HS-C364AB,-,-,AUROR	1	SA	-
P179	DE94-01704A	ASSY GUIDE AIR-DAMPER	-,-,AURORA PROJECT	1	SA	-
P186	DE63-00455A	COVER-BACK	AURORA,SGCC,T0.6,W520,L370,-,	1	SA	-
P259	DE61-00972A	BRACKET-GRILL HEATER	AURORA,STS430,T0.5,	2	SA	-
P263	DE66-00194A	DAMPER	AURORA,NYLON #66,-,-,-,-, ,BLACK,15	1	SA	-
P274	DE61-01014A	GUIDE AIR-MGT	AURORA PROJECT,SECC,T0.5,-	1	SA	-
P277	DE94-01840A	ASSY BRACKET-VENT(B)	HS-C364AB,-,-,AUROR	1	SNA	-
P278	DE61-00993A	BRACKET-VENT(B)	AURORA,SECC,T0.5,W220,L1	1	SNA	-
P403	DE94-02223B	ASSY DUCT-INNER	CP1395EST,SECC,T0.5,TRIO	1	SA	-
P426	DE94-02240A	ASSY GUIDE AIR-UPPER	CP1370,WEIGHT SENSO	1	SA	-
P429	DE94-02241A	ASSY GUIDE AIR-LOWER	CP1370,WEIGHT SENSO	1	SA	-
P435	DE94-02237A	ASSY BRACKET-SUPPORT TRAY	CP1370,WEIGHT	1	SA	-

## 5-2 Main Parts List (Continued)

(SNA : SERVICE NOT AVAILABLE)

No.	Code No.	Description	Specification	Q'ty	SA/ SNA	Remark
T001	DE74-20002B	TRAY-COOKING	-,GLASS,T6,HKG,PI360,1.2CUF	1	SA	-
T007	DE63-00630A	TRAY-BROILER	TRIO PLUS,ALUMINIUM,T0.8,D3	1	SA	-
T009	DE97-00136B	ASSY WIRE RACK	CK95,-,-,LOW-RACK	1	SA	-
T010	DE97-00136E	ASSY WIRE RACK	MG104WA,114,FOOT,VE-TYPE	1	SA	-
T030	DE74-00018D	RACK-WIRE	3RD-1.0,MSWR10,PI3.0,-,110,-,S	1	SA	-
T050	DE97-00715A	ASSY DAMPER	AURORA PROJECT,-,BLACK	1	SA	-
T058	DE97-00745C	ASSY-TRAY OVEN	CQV137(Aurora-Steam),-,Te	1	SA	-
T079	DE61-00999A	GUIDE-DAMPER	AURORA,NYLON#66,-,-,BLK,1	1	SA	-
T116	DE61-00389A	FOOT-RACK	PG81/83,SILICON,0.8 POWER-GRIL	3	SA	-
T116	DE61-00389A	FOOT-RACK	PG81/83,SILICON,0.8 POWER-GRIL	3	SA	-
T124	DE74-00018B	RACK-WIRE	CK95,MSWR10,D268,-,H35,-,SNC2,	1	SA	-
T170	DE63-00637A	TRAY-DEFROST	TRIO PLUS,ABS,78268 (LIGHT	1	SA	-
T171	DE61-01237A	SUPPORT-TRAY	TRIO PLUS-WEIGHT SENSOR,ALC	1	SA	-
T172	DE97-00750A	ASSY TRAY-COOKING	CP1370,DECAL FILM PRIN	1	SA	-
T173	DE75-00076A	RACK-L	Trio plus,MSWR,T4,W24.75,L310.25	1	SA	-
T174	DE75-00077A	RACK-R	Trio plus,MSWR,T4,W24.75,L310.25,	1	SA	-
W002	DE96-00814C	ASSY WIRE HARNESS-A	CP1395EST,230V/50HZ,	1	SNA	-
W036	DE96-00705A	ASSY WIRE HARNESS-EARTH	-,-,1.3CONVECTIO	1	SA	-
W038	DE96-00820B	ASSY WIRE HARNESS-B	CP1395EST,230V50HZ,T	1	SNA	-
W042	DE96-00315C	ASSY WIRE HARNESS-S	CP1395EST,230V50HZ,T	1	SNA	-
X013	DE63-00513A	TRAY-STEAMER	CE117AE-X,ALUMINIUM,T1.0,25	1	SA	-
X017	DE70-00565A	SHEET-PLATE STEAMER	CE117AE-X,AL,T1.0,TE	1	SA	-
X020	DE75-00042F	BOWL-WATER	C105AR/BWT,SPS,1.0 CONV STEAM	1	SA	-
X023	DE94-01759B	ASSY STEAMER SUB	HV-363AWS,STSS202+buffi	1	SA	-

## 5-3 Door Parts List

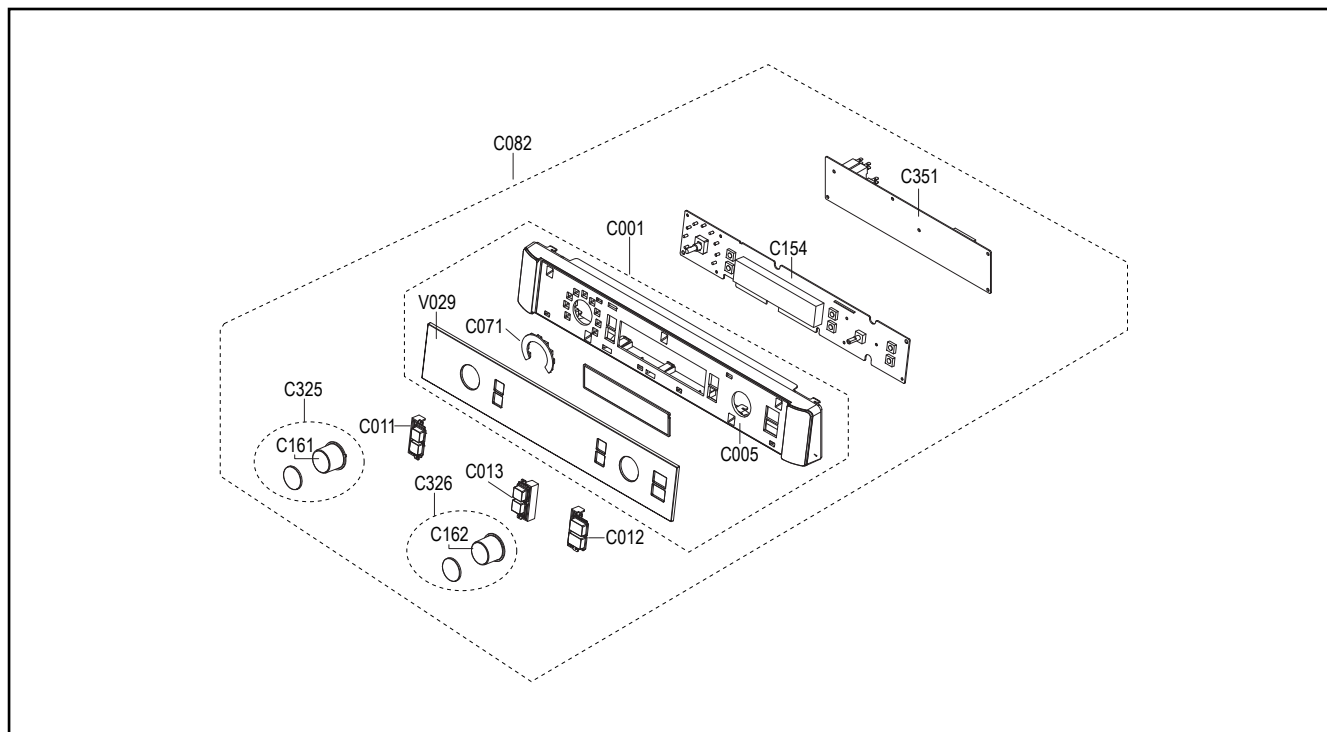


(SNA : SERVICE NOT AVAILABLE)

No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
D002	DE64-02315A	DOOR-A	TRIO PLUS,PC,VICTORY SILVER,TURN	1	SA	-
D004	DE94-02197A	ASSY DOOR E-SEALANT	TRIO PLUS,SGCC1,BLAC	1	SA	-
D006	DE64-02314A	DOOR-C	TRIO PLUS,PBT (GF15%),BLACK,TURN	1	SA	-
D014	DE64-02324A	KEY-DOOR (L)	TRIO PLUS,DIECASTING,Zn COA	1	SA	-
D017	DE60-60008A	PIN-HINGE	-,M301TBC,-,-,-,MSWR10,-,-,-	2	SA	-
D019	DE64-02316A	HANDLE DOOR	TRIO PLUS,ABS,BLACK,TURN TAB	1	SA	-
D024	DE64-02319A	SCREEN-DOOR(B)	TRIO PLUS,GLASS,T3.2,CLEA	1	SNA	-
D037	DE94-02195A	ASSY DOOR A	TRIO PLUS,PC 141R,VICTORY SI	1	SA	-
D049	DE94-02194A	ASSY DOOR	TRIO PLUS,PC 141R,VICTORY SILV	1	SA	-
D097	DE66-00190A	SHAFT-HINGE	FQ159ST,SUM24L	2	SA	-
D098	DE61-01254A	SPRING ETC-HINGE(R)	TRIO PLUS,PWB-SWPB,P	1	SA	-
D099	DE61-01253A	SPRING ETC-HINGE(L)	TRIO PLUS,PWB-SWPB,P	1	SA	-
D147	DE63-00626A	COVER HANDLE	TRIO PLUS,ABS,VICTORY SILVE	1	SA	-
D149	DE64-02344A	KEY-SPRING	CP1370,PWA-SWPA,BLACK,TRIO PL	2	SA	-
D157	DE61-01248A	BRACKET-KEY DOOR(L)	TRIO PLUS,SCP1,T1.0,	1	SNA	-
D158	DE61-01249A	BRACKET-KEY DOOR(R)	TRIO PLUS,SCP1,T1.0,	1	SNA	-
D188	DE64-02323A	KEY-DOOR (R)	TRIO PLUS,DIECASTING,Zn COA	1	SA	-
D200	DE94-02222A	ASSY DOOR E-SUB	CP1370,PC,BLK,TRIO PLUS	1	SA	-
Z096	DE61-01250A	HINGE-DOOR	TRIO PLUS,SCP1,T4.0,TURN TABL	2	SA	-



## 5-4 Contorl Parts List



(SNA : SERVICE NOT AVAILABLE)

No.	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
C001	DE94-02193F	ASSY CONTROL PANEL	CP1395E-S/XEF,VICTORY	1	SNA	-
C005	DE64-02307A	CONTROL-PANEL	TRIO PLUS,PC,VICTORY SILVE	1	SA	-
C011	DE64-02309B	BUTTON-SELECT(A)	CPS1390EST,ABS,BLACK,TR	1	SA	-
C012	DE64-02310A	BUTTON-SELECT(B)	TRIO PLUS,ABS,BLACK,TUR	1	SA	-
C013	DE64-02332B	BUTTON-SELECT(C)	CPS1390EST,ABS,BLACK,TR	1	SA	-
C071	DE63-00635A	COVER-LED	TRIO-PLUS,ABS,T2.0,WHT,LDW68,	1	SA	-
C082	DE94-02192F	ASSY CONTROL BOX	CP1395E-S/XEF,230V50HZ,	1	SNA	-
C154	DE96-00839A	ASSY DISPLAY	CP1395EST,DAM-ATLCD-00,WHIT	1	SNA	-
C161	DE64-02312C	KNOB-DIAL(L)	CPS1390EST,ABS,BLACK,TRIO P	1	SA	-
C162	DE64-02311A	KNOB-DIAL(R)	TRIO PLUS,ABS,BLACK,TURN TA	1	SNA	-
C325	DE94-02217E	ASSY KNOB-L	CP1395,ABS,LED BLK + VICTORY	1	SNA	-
C326	DE94-02218A	ASSY KNOB-R	CP1370,ABS,BLK + VICTORY SIL	1	SA	-
C351	RCS-ALCD-01	PCB MODEL,RCS-ALCD-01		1		-
V029	DE64-02308F	WINDOW-PANEL	CP1395E-S/XEF,ABS,T4.2,W80.	1	SNA	-



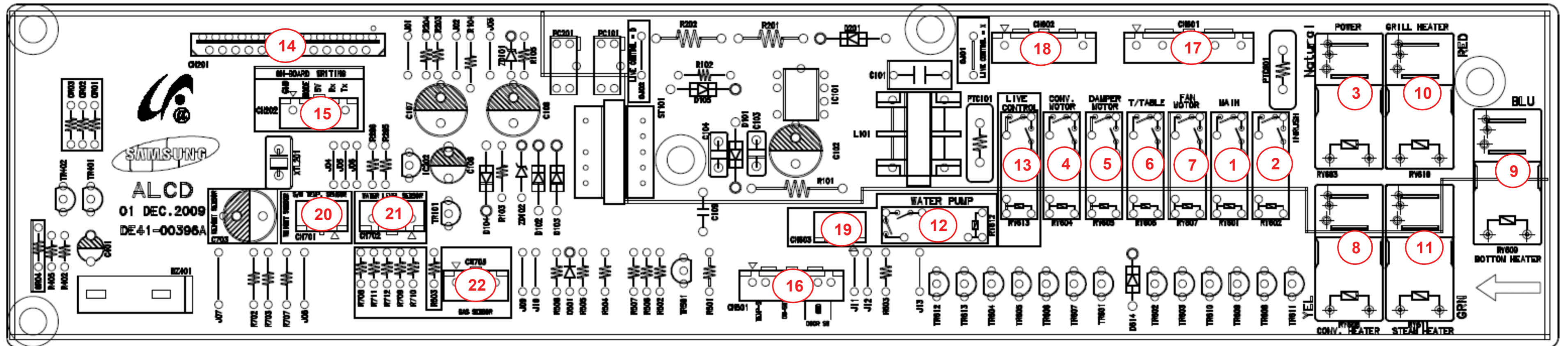
## 5-5 Standard Parts List

(SNA : SERVICE NOT AVAILABLE)

LEVEL	Code No.	Description	Specification	Q'ty	SA/SNA	Remark
1-1	6001-000033	SCREW-MACHINE	TH,+,-,M4,L10,PASS,STS304,	3	SNA	-
1-1	6001-002029	SCREW-MACHINE	FH,+ ,M5,L20,PASS,STS304,KS	2	SNA	-
1-1	6002-000413	SCREW-TAPPING	TH,+ ,2S,M4,L8,BLK	1	SNA	-
1-1	6002-000526	SCREW-TAPPING	TH,+ ,2S,M4,L12,PASS,STS304	1	SNA	-
1-1	6002-000630	SCREW-TAPPING	PH,+,-,2S,M3,L8,ZPC(WHT),S	1	SNA	-
1-1	6002-001174	SCREW-TAPPING	FH,+,-,2S,M4,L12,NI PLT,SW	4	SNA	-
1-1	6002-001321	SCREW-TAPPING	PWH,+ ,2S,M5,L10,ZPC(WHT),S	4	SNA	-
1-1	6006-001170	SCREW-TAPPING	TH,+ ,WT,TC,M4,L10,ZPC(WHT)	3	SA	-
1-1	6006-001174	SCREW-TAPPING	TH,+ ,WE,2S,M4,L12,ZPC(WHT)	31	SA	-
1-1	6006-001176	SCREW-TAPTYPE	PH,+ ,WT,B,M4,L8,ZPC(WHT),S	14	SNA	-
1-1	DE60-30015A	NUT-FLANGE	-,MSWR10,P0.8,-,-,-,FEFZY,-,-	4	SA	-
1-1	DE60-30016A	NUT-FLANGE	-,MSWR10,-,-,-,-,-,-	3	SA	-
1-2	6006-001174	SCREW-TAPPING	TH,+ ,WE,2S,M4,L12,ZPC(WHT)	4	SA	-
1-2	6002-000630	SCREW-TAPPING	PH,+,-,2S,M3,L8,ZPC(WHT),S	12	SNA	-
1-3	6002-000630	SCREW-TAPPING	PH,+,-,2S,M3,L8,ZPC(WHT),S	5	SNA	-
1-2	6002-000630	SCREW-TAPPING	PH,+,-,2S,M3,L8,ZPC(WHT),S	6	SNA	-
1-3	6002-000234	SCREW-TAPPING	TH,+ ,NO,2S,M4,L16,ZPC(WHT)	2	SNA	-
1-3	6003-000115	SCREW-TAPTYPE	BH,+ ,B,M3,L6,ZPC(BLK),SWRC	2	SNA	-
1-2	6002-001320	SCREW-TAPPING	TH,+ ,2S,M4,L8,PASS,STS304,	2	SNA	-
1-2	6006-001171	SCREW-MACHINE	WS,PH,+ ,M4,L8,NI PLT	4	SNA	-
1-2	6021-001149	NUT-HEXAGON FLANGE	M4,NI,SWRCH10A,LEFT T	1	SNA	-
1-2	6002-000170	SCREW-TAPPING	PH,+ ,2S,M3,L6,ZPC(WHT),SWR	1	SNA	-
1-2	DE60-10052A	SCREW-TAPPING	-,FEFZY,-,PH,M4,-,L8,-,-	5	SNA	-
1-3	DE60-10052A	SCREW-TAPPING	-,FEFZY,-,PH,M4,-,L8,-,-	3	SNA	-
1-2	6002-000171	SCREW-TAPPING	PH,+,-,2S,M4,L10,ZPC(WHT),	2	SNA	-
1-2	6002-000488	SCREW-TAPPING	PH,+,-,2S,M3,L16,ZPC(WHT),	1	SNA	-
1-2	6006-001176	SCREW-TAPTYPE	PH,+ ,WT,B,M4,L8,ZPC(WHT),S	2	SNA	-
1-3	6002-001079	SCREW-TAPPING	TH,+,-,2S,M4,L10,PASS,STS3	1	SNA	-

## 6. PCB Diagram

### 6-1 PCB Diagram



NO.	Parts Number	Part Name	Function and Rule
1	RY601	Main Relay	Lamp, T/T Control
2	RY602	Inrush Relay	Inrush Electric Current Decrease
3	RY603	Power Relay	MW Power Control
4	RY604	Conv. Motor Relay	Conv. Motor Control
5	RY605	Damper Relay	Damper Motor Control
6	RY606	Turn Tabler Motor Relay	Turn Table Motor Control
7	RY607	Fan Motor Relay	Fan Heater Control
8	RY608	Conv. Heater Relay	Conv. Heater Control
9	RY609	Bottom Heater Relay	Bottom Heater Control
10	RY610	Grill Heater Relay	Grill Heater Control
11	RY611	Stream Heater Relay (Steamer Model Option)	Steam Heater Control (Steamer Model Option)
12	RY612	Water Pump Relay (Steamer Model Option)	Water Pump Motor Control (Steamer Model Option)
13	RY613	Live Control Relay	PCB Power Control
14	CN201	Display Module Connector	A Terminal for Connecting with Display Module
15	CN202	On Board Writing Connector	When do micom revision, connect to micom writer. (No connection at normal times)
16	CN501	Door switch , Damper , Humidity Sensing Connector	A Terminal for Connecting with Door Switch , Damper switch, Temperature Sensor
17	CN601	Relay Connector	A Terminal for Connecting with Relay Contact (Load Control)
18	CN602	Power & Relay Connector	A Terminal for Connecting with Power supply , Conv. Motor Relay
19	CN603	Water Pump Relay Connector	A Terminal for Connecting with Water Pump Relay (Steamer Model Option)
20	CN701	"Steam Heater Temp Sensor Weight Sensor Connector" /	A Terminal for Connecting with Steam Heater Temp Sensor or Weight Sensor.
21	CN702	"Steam Heater Temp Sensor Water Level Sensor Connector" /	A Terminal for Connecting with Steam Heater Temp Sensor or Water Level Switch
22	CN703	Gas Sensor Connector	A Terminal for Connecting with Gas Sensor



- CN201 : LCD MODEL (LED MODEL)
- 1) KEY-OUT-1 (DISP-LED-S1)
  - 2) KEY-OUT-2 (DISP-LED-S2)
  - 3) KEY-OUT-3 (DISP-LED-S3)
  - 4) KEY-OUT-4 (DISP-LED-S4)
  - 5) KEY-OUT-5 (DISP-LED-S5)
  - 6) NO USE (DISP-LED-S6)
  - 7) LCD-RESET (DISP-LED-S7)
  - 8) NO USE (DISP-LED-S8)
  - 9) LCD-POWER (DISP-LED-S9)
  - 10) NO USE (DISP-LED-S10)
  - 11) LCD-BL (DISP-LED-S11)
  - 12) I2C-SDA (DISP-LED-D1)
  - 13) I2C-SCL (DISP-LED-D2)
  - 14) SELECT-BL1 (DISP-LED-D3)
  - 15) SELECT-BL2 (DISP-LED-D4)
  - 16) MASTER-RXD (DISP-LED-D7)
  - 17) MASTER-TXD (DISP-LED-D6)
  - 18) NO USE (DISP-LED-D5)
  - 19) KEY-IN-1 (DISP-KEY-1)
  - 20) KEY-IN-2 (DISP-KEY-2)
  - 21) KEY-IN-3 (DISP-KEY-3)
  - 22) KEY-IN-4 (DISP-KEY-4)
  - 23) KEY-IN-5 (DISP-KEY-5)
  - 24) POWER (0V), GND
  - 25) POWER (0V), GND
  - 26) POWER (5V)
  - 27) POWER (12V)

- CN202  
(MICOM PROGRAM UPDATE)
- 1) POWER(0V), GND
  - 2) MICOM PROGRAM WRITING
  - 3) POWER (5V)
  - 4) COM (RECEIVE)
  - 5) COM (SEND)

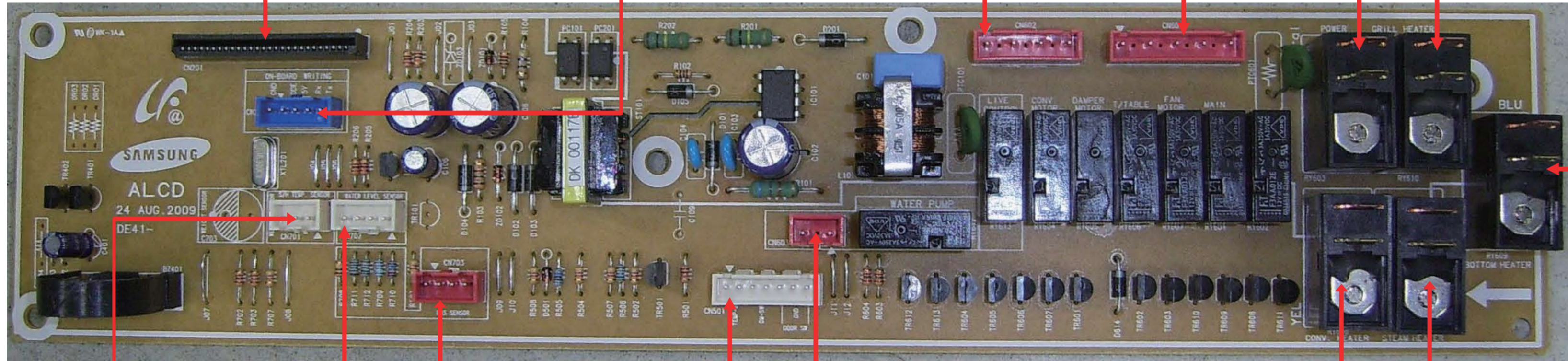
- CN602
- 1) AC POWER NEUTRAL (AC220V)
  - 2) NO PIN
  - 3) AC POWER LIVE (AC220V)
  - 4) NO PIN
  - 5) LIVE CONTROL
  - 6) NO PIN
  - 7) CONV. MOTOR RELAY

- CN601
- 1) DAMPER MOTOR RELAY
  - 2) NO PIN
  - 3) TURN TABLE MOTOR RELAY
  - 4) NO PIN
  - 5) FAN MOTOR RELAY
  - 6) NO PIN
  - 7) MAIN RELAY
  - 8) NO PIN
  - 9) INRUSH CIRCUIT

- RY603
- 1) POWER (APPLY POWER TO HVT) RELAY 1
  - 2) POWER (APPLY POWER TO HVT) RELAY 1

- RY610
- 1) GRILL HEATER RELAY 1
  - 2) GRILL HEATER RELAY 2

- RY609
- 1) BOTTOM HEATER RELAY 1
  - 2) BOTTOM HEATER RELAY 2



- CN701
- 1) POWER(0V), GND
  - 2) POWER (5V)
  - 3) STEAM HEATER / WEIGHT SENSOR

- CN702
- 1) POWER(0V), GND
  - 2) NO CONNECTION
  - 3) POWER (5V)
  - 4) WATER LEVEL / STEAM HEATER SENSOR

- CN703
- 1) GAS SENSOR(S1)
  - 2) GAS SENSOR(S2)
  - 3) GAS SENSOR(H1)
  - 4) GAS SENSOR(H2)

- CN501
- 1) DAMPER SWITCH1
  - 2) DAMPER SWITCH 2 , (GND) (0V)
  - 3) THERMAL SENSOR 1
  - 4) THERMAL SENSOR 2, (GND) ( 0V)
  - 5) DOOR SWITCH1 (RY-V)
  - 6) GND
  - 7) DOOR SWITCH2 (+12V)

- CN603
- 1) WATER PUMP RELAY
  - 2) NO PIN
  - 3) POWER (0V), GND

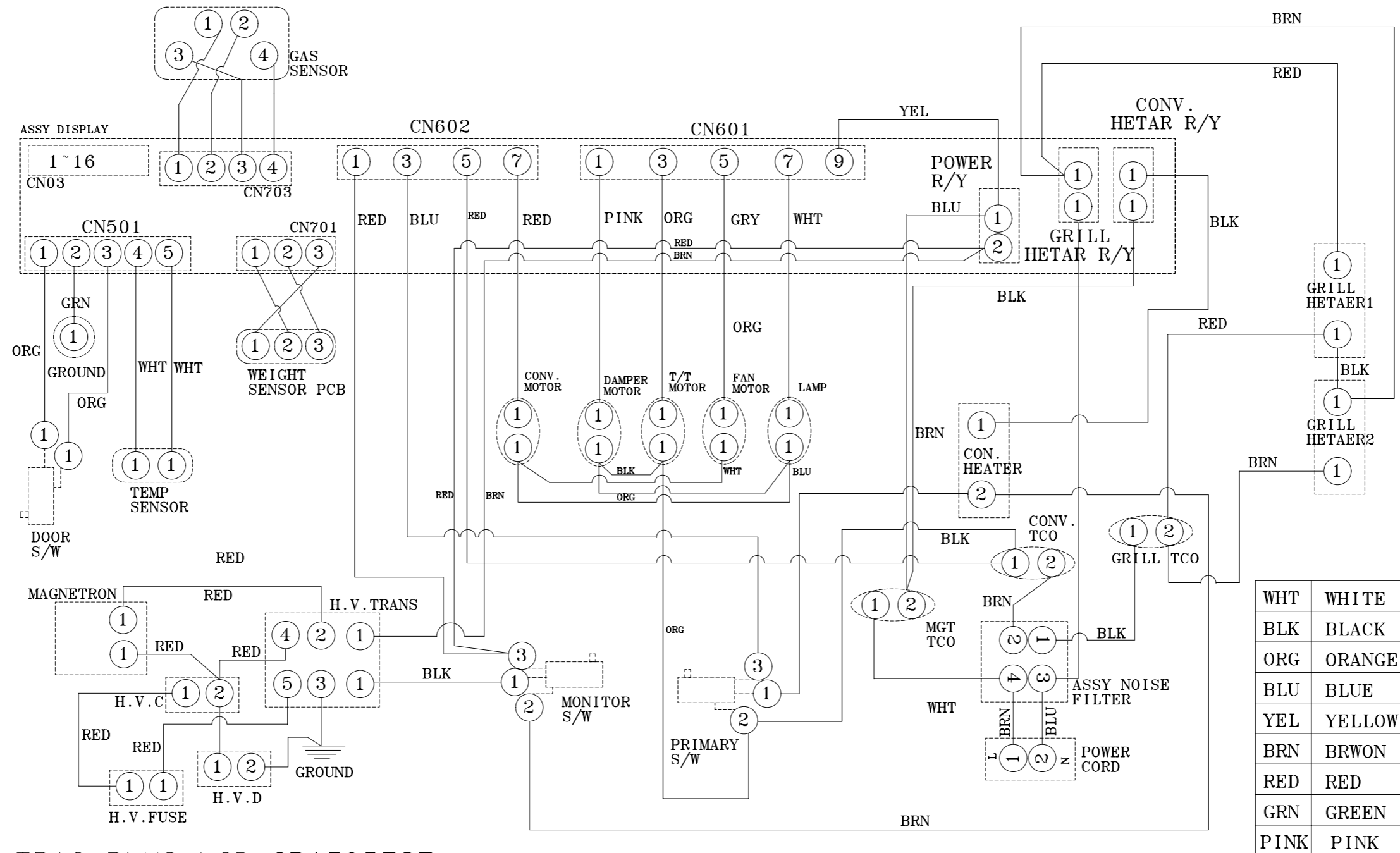
- RY608
- 1) CONVECTION HEATER RELAY 1
  - 2) CONVECTION HEATER RELAY 2

- RY611
- 1) STEAM HEATER RELAY 1
  - 2) STEAM HEATER RELAY 2

# 7. Wiring Diagram

## 7-1 Wiring Diagram

### WIRING DIAGRAM



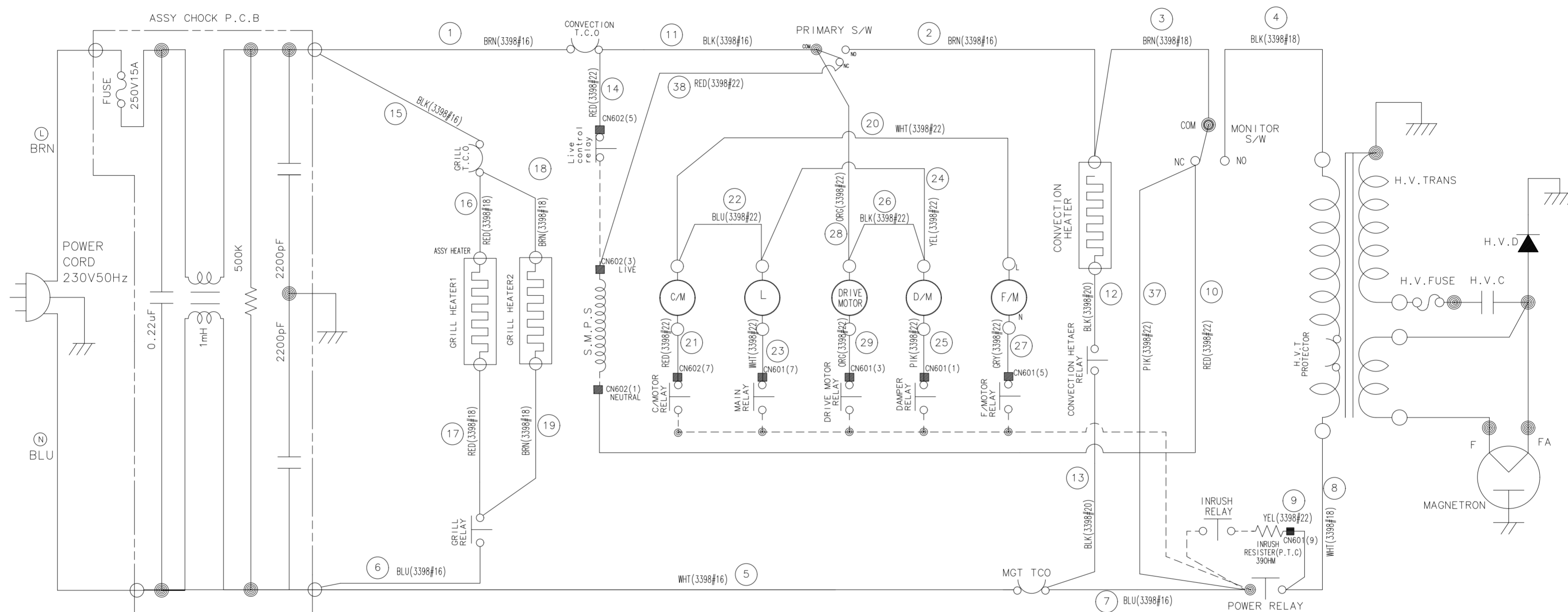
TRIO PLUS\_LCD CP1395EST



8. Schematic Diagram

8-1 Schematic Diagram

# SCHEMATIC DIAGRAM

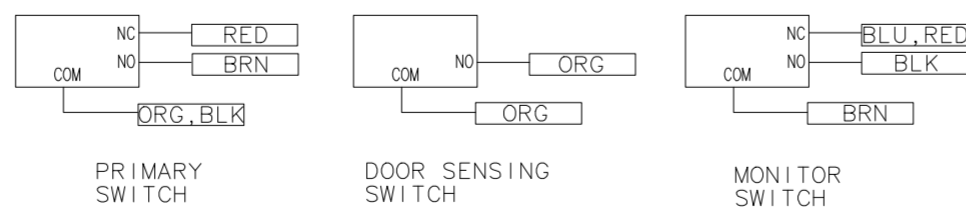
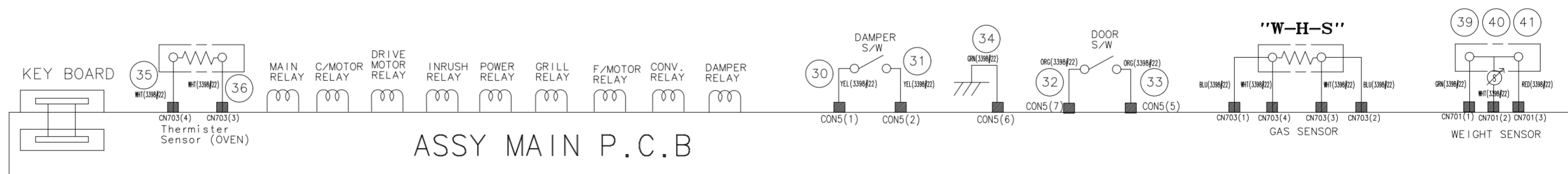


CONDITION OF OVEN

DOOR IS OPENED  
COOK OFF

WIRING COLOR

BLK: BLACK  
WHT: WHITE  
YEL: YELLOW  
BLU: BLUE  
BRN: BROWN  
RED: RED  
ORG: ORANGE  
GRN: GREEN  
PIK: PINK



P.C.B. PATTERN

TRIO PLUS(LCD)  
PROJECT



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