

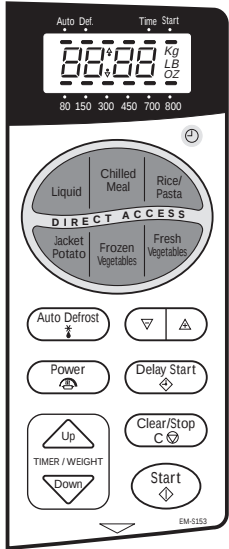
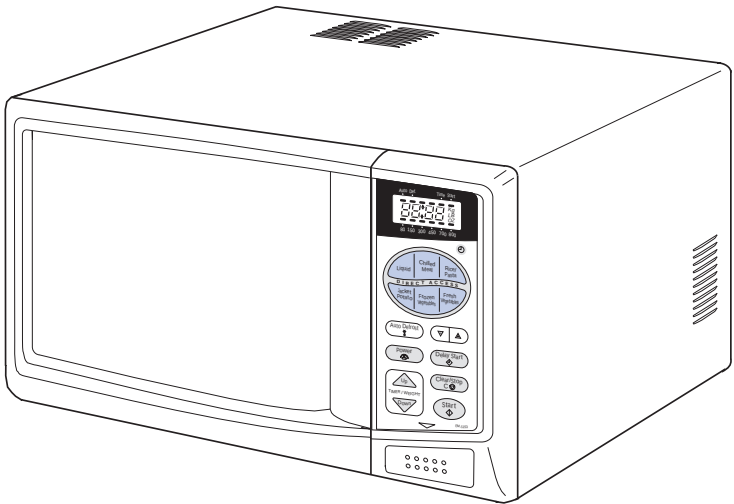
FILE No.

SERVICE MANUAL

MICROWAVE OVEN

**EM-S153(UK White)
EM-S153(UK Green)
EM-S153(UK Black)**

**EM-S153(UK Blue)
EM-S153(UK Red)**



Product Code No.

EM-S153(UK White)	43742801
EM-S153(UK Green)	43742810
EM-S153(UK Black)	43742807
EM-S153(UK Blue)	43742809
EM-S153(UK Red)	43742808

FOREWORD

Read this manual carefully, especially precaution on microwave energy, and follow the procedure strictly. Careless servicing and testing may expose yourself to the microwave energy leakage.

PRECAUTIONS

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 if 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.

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CAUTION
MICROWAVE ENERGY
PERSONNEL SHOULD NOT BE EXPOSED TO THE MICROWAVE ENERGY WHICH MAY RADIATE FROM THE MAGNETRON OR OTHER MICROWAVE GENERATING DEVICE IF IT IS IMPROPERLY USED OR CONNECTED. ALL INPUT AND OUTPUT MICROWAVE CONNECTIONS, WAVE GUIDES, FLANGES, AND GASKETS MUST BE SECURE. NEVER OPERATE THE DEVICE WITHOUT A MICROWAVE ENERGY ABSORBING LOAD ATTACHED. NEVER LOOK INTO AN OPEN WAVE GUIDE OR ANTENNA WHILE THE DEVICE IS ENERGISED.

1. ADJUSTMENT PROCEDURES

TO AVOID POSSIBLE EXPOSURE TO MICRO-WAVE ENERGY LEAKAGE, THE FOLLOWING ADJUSTMENT OF THE INTERLOCK SWITCHES SHOULD BE MADE ONLY BY AUTHORISED SERVICE PERSONNEL

PRIMARY INTERLOCK SWITCH, DOOR SENSING SWITCH AND INTERLOCK MONITOR SWITCH
 ADJUSTMENT
 (Figure 1)

- (1) Loosen 2 screws securing the lever stopper.
- (2) Adjust the lever stopper position so that it is pushed up and pull forward until there is about zero gap.
 - 2-1. Between the lever and the switch body on the door sensing switch.
 - 2-2. Between the lever and the switch body on the interlock monitor switch.
 - 2-3. Between the latch lever and the switch body on the primary interlock switch.
 when the door latch is securely locked.
- (3) Tighten the lever stopper screws securely.
- (4) Make sure the interlock monitor is closed after the primary interlock switch opens when the door is opened very slowly, according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 8.
- (5) Make sure the interlock monitor is open before the primary interlock and secondary interlock switches close when the door is closed very slowly, according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 8.
- (6) Make sure the microwave energy leakage is below the limit of the regulation ($5\text{mW}/\text{cm}^2$) when measured with a detector. (All service adjustments must be made for minimum energy leakage readings.)

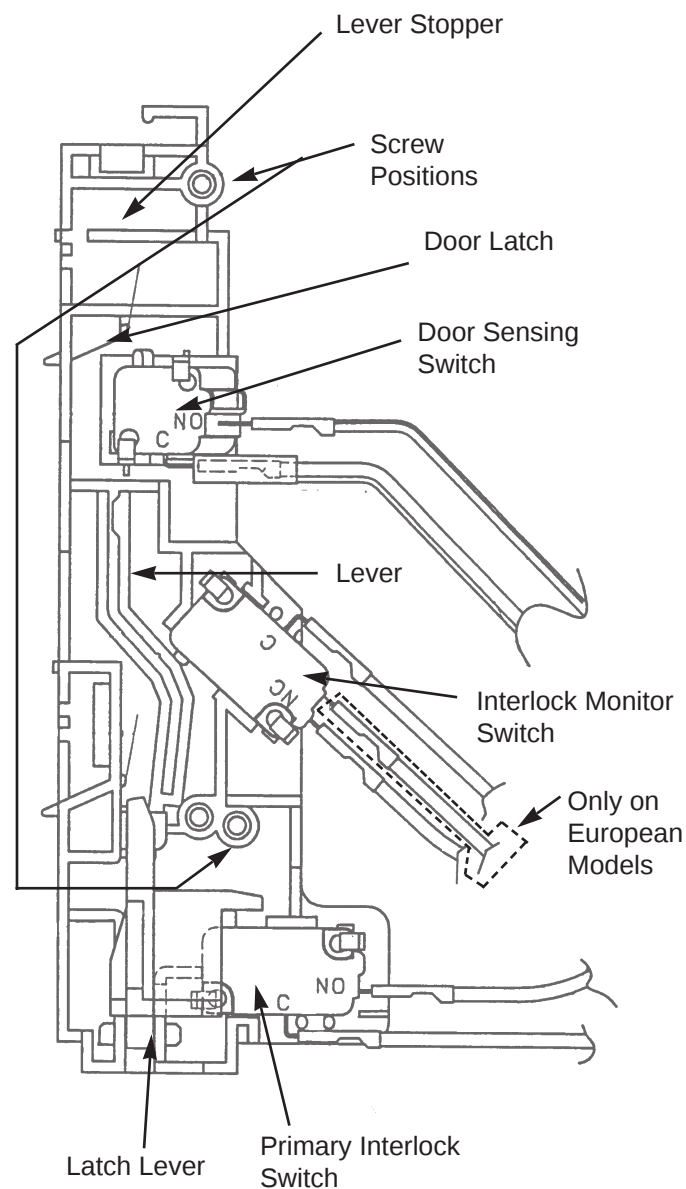


Figure 1

2. SPECIFICATIONS - EM-S153

Rated Power Consumption.....	1250W
Microwave Output.....	800W
Frequency.....	2,450MHz ± 50MHz
Power Supply.....	230V,50Hz
Rated Current.....	5.6±10% Amps (After 15mins.)
Safety Devices.....	Thermal Protector for Magnetron, Open at 135°C (Vertical) Thermal Protector for Cavity, Open at 150°C (Horizontal) Fuse (Cartridge Type 8A) Primary Interlock Switch Door Sensing Switch Interlock Monitor Switch
Timer.....	Electronic Digital 90min x 3 Stages
Overall Dimensions.....	470(W)x373(D)x295(H)mm
Oven Cavity Size.....	288(W)x314(D)x232(H)mm
Turntable Diameter.....	275mm
Net Weight.....	Approx. 16.0Kg.

3. POWER OUTPUT MEASUREMENT

- (1) Prepare 1000±5g tap water.
- (2) Adjust water temperature to 10⁰C±2⁰C.
- (3) Pour water into a container made of borosilicate glass, 190mm outer diameter cylinder, maximum 3mm thickness.
- (4) Place the container in the centre of the oven cavity.
- (5) Set the heating time for 52 seconds at full power and start the oven.
- (6) Take the container out immediately when heating time is up.
- (7) Stir water for making even water temperature in the container.
- (8) Measure water temperature.

Water temperature rise should be between 8°C to 12°C for correct power output.

4.PRECAUTIONS AND REPAIR SERVICE TIPS
PRELIMINARY

A.SINCE NEARLY 4,000 VOLTS EXIST IN SOME CIRCUITS OF THIS MICROWAVE OVEN, REPAIRS SHOULD BE CARRIED OUT WITH GREAT CARE

B.TO AVOID POSSIBLE EXPOSURE TO MICROWAVE ENERGY LEAKAGE, THE FOLLOWING PRECAUTIONS MUST BE TAKEN BEFORE SERVICING.

- (1)Before the power is applied.
 - (a)Open and close door several times to make sure the primary interlock switch, the door sensing switch, and the interlock monitor switch operate properly. (Listen for the clicking sound from switches). Make sure the interlock monitor switch is closed after the primary interlock switch is opened, when the door is opened. (See pages 1 and 8).
 - (b)Make sure the perforated screen and the dielectric choke of the door are correctly mounted.

- (2)After the power is applied.
 - (a)Open and close the door to see if the interlock mechanism operates properly.
 - (b)Check microwave energy leakage with a leakage detector and confirm the energy leakage is below 5mW/cm².

- (3)Do not operate the unit until it is completely repaired, if any of the following conditions exists.
 - (a)Door does not close firmly against the cavity front.
 - (b)The hinge is broken.
 - (c)The choke dielectric or the door seal is damaged.
 - (d)The door is bent or warped, or there is any other visible damage to the oven that may cause microwave energy leakage.
NOTE: Always keep the seal clean
 - (e)Make sure there are no defective parts in the microwave generating and transmission assembly. (especially waveguide).
 - (f)Make sure there are no defective parts in the inter lock mechanism.

- (4)Following items should be checked after the unit is repaired.
 - (a)The interlock monitor switch is connected correctly and firmly.
 - (b)The magnetron gasket on the magnetron is properly positioned.
 - (c)Wave guide and oven cavity are intact (no leakage of microwave energy).
 - (d)The door can be properly closed and the safety switches work properly.
 - (e)The oven must be stopped when the door is opened or the time is up.

The oven must not be operated with any of the above components removed or bypassed.

5. OVEN CONTROL PANEL

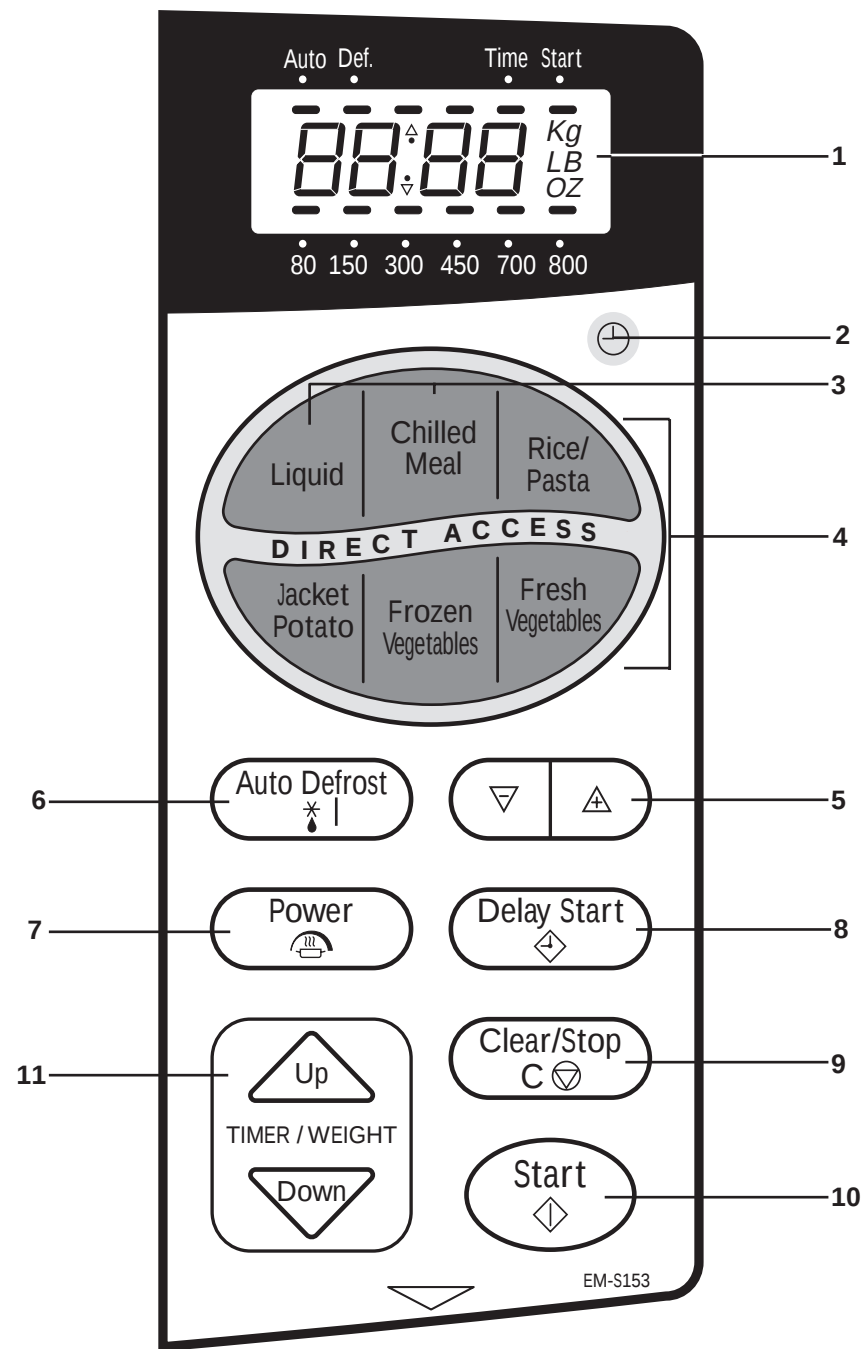


Figure 1

KEYS:

1. Display Window
2. Clock Set
3. Auto-Reheat keys
4. Auto-Cook Keys
5. Adjust Keys

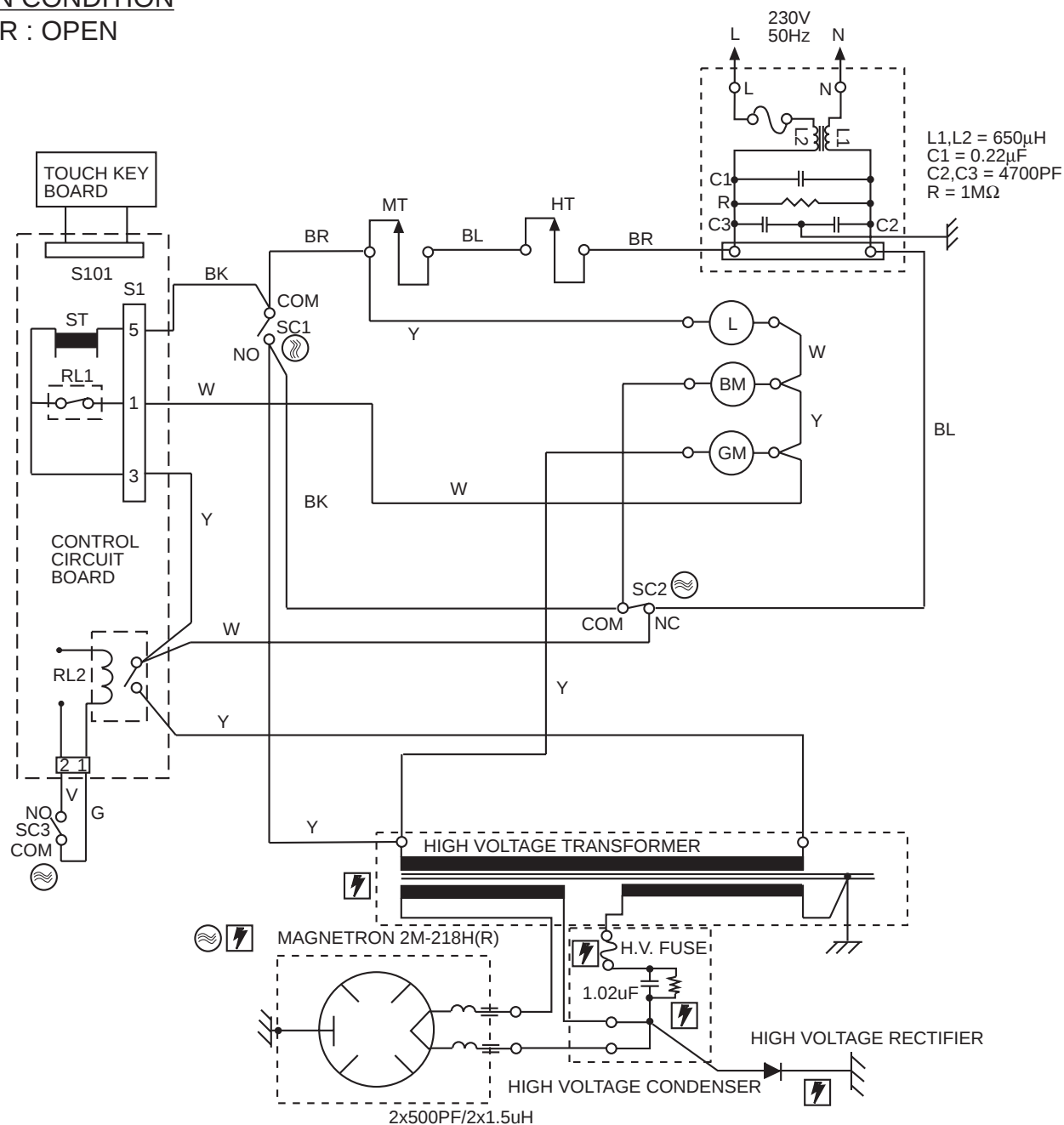
6. Auto-Defrost Key
7. Power Control Key
8. Delay Start Key
9. Clear/Stop Key
10. Start Key
11. Time/Weight Set Keys

Notes :

A "beep tone" sounds when a "pad" on the control panel is touched, to indicate a setting has been entered.
 When setting the controls you can keep your finger on a key until the desired setting is reached.

6.CIRCUIT DIAGRAM EM-S153 - UK Model

OVEN CONDITION
DOOR : OPEN



SC1 : PRIMARY INTERLOCK SWITCH
SC2 : INTERLOCK MONITOR SWITCH
SC3 : DOOR SENSING SWITCH
HT : THERMAL PROTECTOR FOR DUCT
MT : THERMAL PROTECTOR ON MAGNETRON
RL1 : MAIN RELAY
RL2 : POWER CONTROL RELAY
BM : BLOWER MOTOR
GM : TURNTABLE MOTOR
L : OVEN LAMP

WIRING COLOUR
W : WHITE
O : ORANGE
LB : LIGHT BLUE
BK : BLACK
P : PINK
BR : BROWN
Y : YELLOW
BL : BLUE

 - The parts marked with  are supplied with a high voltage which exceeds 250V.
 - The parts marked with  have special characteristics important for microwave leakage. When replacing any of these parts use only manufacturer's specified parts.

Figure 2

7. TEST PROCEDURES AND TROUBLESHOOTING

CAUTION
- DISCONNECT THE POWER SUPPLY CORD FROM THE WALL OUTLET WHENEVER REMOVING THE CABINET FROM THE UNIT. PROCEED WITH THE TESTS ONLY AFTER DISCHARGING THE HIGH VOLTAGE CAPACITOR AND REMOVING THE LEAD WIRES FROM THE PRIMARY WINDING OF THE HIGH VOLTAGE TRANSFORMER. (See Figure 3)

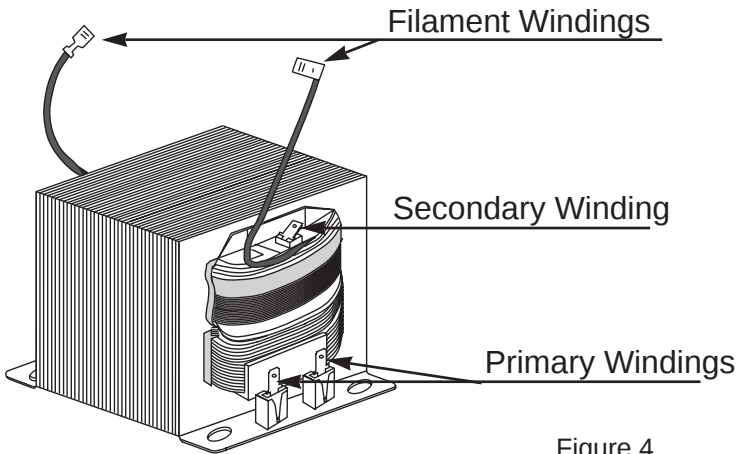
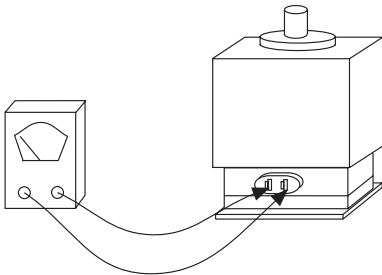
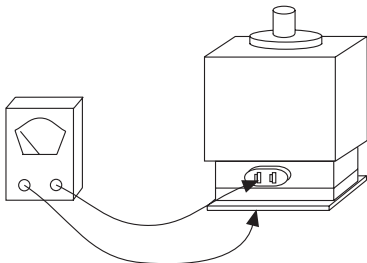
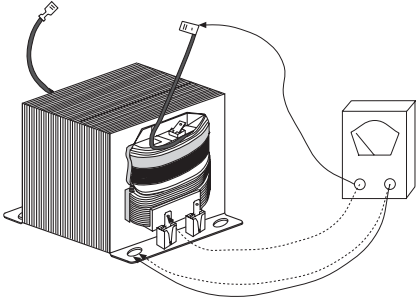
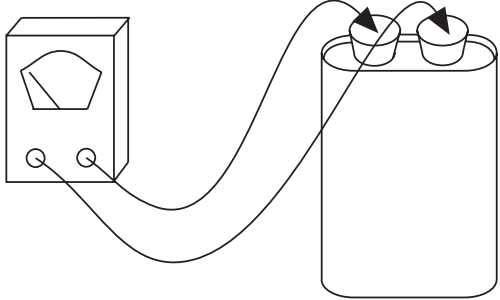
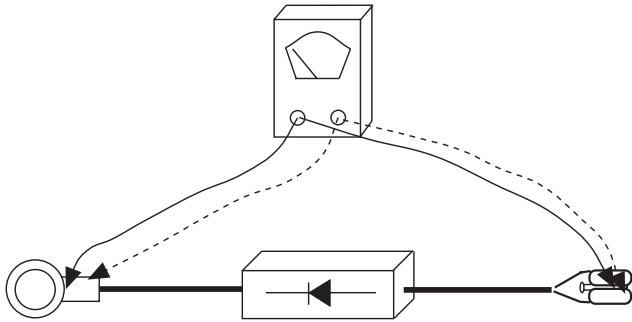
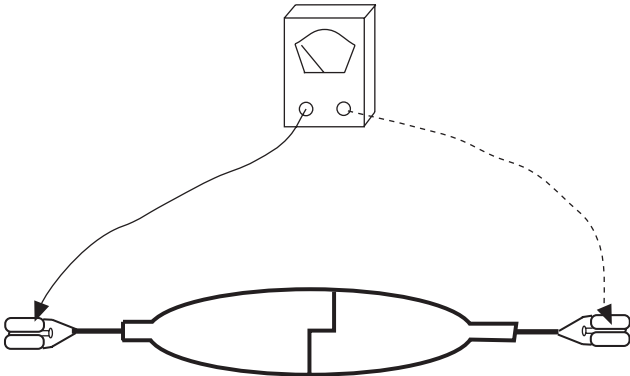
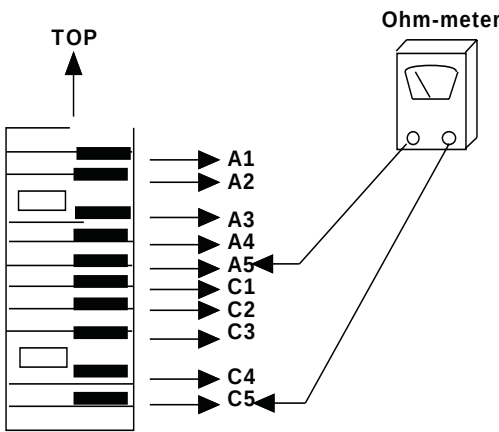


Figure 4

A. TEST PROCEDURE

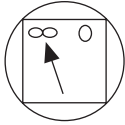
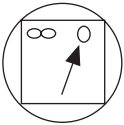
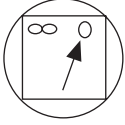
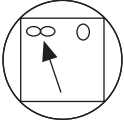
COMPONENT	CHECKOUT PROCEDURE	RESULTS																				
MAGNETRON	1) Check for resistance : Across the filament terminals of the magnetron with an ohmmeter on Rx1 scale.  Figure 5	Normal reading : Less than 1 ohm.																				
	2) Check for resistance : Across the filament terminals of the magnetron and the chassis ground with an ohm-meter on highest scale.  Figure 6	Normal reading : Infinite ohms																				
	The chart below shows the firing times of the variable power relay for the EM-S153 model. The table should be used as a means to check the magnetron is operating correctly and producing any other power setting apart from full power. <table><tr><th>Power Level</th><th>On Time/s (inc.'ramp up' time)</th><th>% On Time</th></tr><tr><td>High (800W)</td><td>30.0</td><td>100</td></tr><tr><td>M-High(700W)</td><td>26.8</td><td>89</td></tr><tr><td>Roast (450W)</td><td>18.0</td><td>60</td></tr><tr><td>Simmer(300W)</td><td>13.0</td><td>43</td></tr><tr><td>Warm (150W)</td><td>7.8</td><td>26</td></tr><tr><td>Low (80W)</td><td>5.2</td><td>17</td></tr></table>		Power Level	On Time/s (inc.'ramp up' time)	% On Time	High (800W)	30.0	100	M-High(700W)	26.8	89	Roast (450W)	18.0	60	Simmer(300W)	13.0	43	Warm (150W)	7.8	26	Low (80W)	5.2
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Low (80W)	5.2	17																				

COMPONENT	CHECKOUT PROCEDURE	RESULTS
HIGH VOLTAGE TRANSFORMER	1) Measure the resistance : With an ohmeter on Rx1 scale. a. Primary Winding ; b. Filament Winding ; c. Secondary Winding ; 2) Measure the resistance : With an ohm-meter on highest scale. a. Primary winding to ground ; b. Filament winding to ground ;  Figure 7	Normal readings : S153≈1.9Ω Less than 1 ohm. S153≈118Ω Normal readings : Infinite ohms Infinite ohms Note : Remove varnish of measured point.
HIGH VOLTAGE CAPACITOR including BLEEDER RESISTOR	1) Measure the resistance : Across two terminals with an ohm-meter on highest scale  Figure 8	Normal reading : Momentarily indicates several ohms, and gradually returns to 10 Meg-ohm. Abnormal reading : Indicates continuity or 10MΩ from the beginning.
HIGH VOLTAGE DIODE	Measure the resistance : Across two terminals with an ohm-meter on its highest scale.  Figure 9	Normal reading : Indicates over 10MΩ in one direction (forward direction) and infinite ohms in the reverse direction, using meter which is provided with a 9-volt battery. NOTE Some digital meters may show over even in a forward direction because low measuring voltage of meter does not allow the meter current to pass through the high voltage diode. Abnormal reading: Indicates continuity or infinite ohms in both directions.

COMPONENT	CHECKOUT PROCEDURE	RESULTS																																										
HV FUSE	Measure the resistance : Across two terminals with an ohm-meter on its highest scale.  Figure 10	Normal reading : Indicates continuity. Abnormal reading : Indicates infinite ohms.																																										
CONTROL CIRCUIT BOARD COMPLETE	Measure the voltage : Between test points TP-1,TP-2,TP-3 and ground or between TP-4, and TP-5. (See control circuit board on page 20) NOTE Proceed with the check of the step down transformer, to see if any one of the measured values is different from the specified values	<table><tr><th>Test point</th><th>TP-1</th><th>TP-2</th><th>TP-3</th><th>TP-4/ TP-5</th></tr><tr><td>Voltage</td><td>-5V DC</td><td>-12V DC</td><td>-30V DC</td><td>2.0V AC</td></tr></table>	Test point	TP-1	TP-2	TP-3	TP-4/ TP-5	Voltage	-5V DC	-12V DC	-30V DC	2.0V AC																																
Test point	TP-1	TP-2	TP-3	TP-4/ TP-5																																								
Voltage	-5V DC	-12V DC	-30V DC	2.0V AC																																								
TOUCH KEY BOARD	Measure the resistance between terminals of FPC connector after removing it from S101. (See Figure 11). NOTE - When reconnecting the FPC connector, make sure the holes on the connector are properly inserted in hooks of the plastic fastener in S101. MATRIX CIRCUIT FOR TOUCH KEYBOARD FPC CONNECTOR <table><tr><td></td><td>A5Q</td><td>A4Q</td><td>A3Q</td><td>A2Q</td><td>A1Q</td></tr><tr><td>C1 O</td><td>STOP/ CLEAR</td><td></td><td>⌚</td><td>A.DEF</td><td>JACKET POTATO</td></tr><tr><td>C2 O</td><td>POWER</td><td></td><td>⏏</td><td></td><td>CHILLED MEAL</td></tr><tr><td>C3 O</td><td>UP</td><td></td><td>+</td><td></td><td>RICE / PASTA</td></tr><tr><td>C4 O</td><td>DOWN</td><td></td><td>-</td><td></td><td>FRESH VEGETABLES</td></tr><tr><td>C5 O</td><td>START</td><td></td><td></td><td>LIQUID</td><td>FROZEN VEGETABLES</td></tr></table>		A5Q	A4Q	A3Q	A2Q	A1Q	C1 O	STOP/ CLEAR		⌚	A.DEF	JACKET POTATO	C2 O	POWER		⏏		CHILLED MEAL	C3 O	UP		+		RICE / PASTA	C4 O	DOWN		-		FRESH VEGETABLES	C5 O	START			LIQUID	FROZEN VEGETABLES	<table><tr><td></td><td>When touched</td><td>When not touched</td></tr><tr><td>Resistance Value</td><td>Less than 1K Ohms</td><td>More than 1 MEG Ω</td></tr></table> When checking the "START" key, connect Ohmmeter as illustration below.  TERMINALS OF FPC CONNECTOR Figure 11		When touched	When not touched	Resistance Value	Less than 1K Ohms	More than 1 MEG Ω
	A5Q	A4Q	A3Q	A2Q	A1Q																																							
C1 O	STOP/ CLEAR		⌚	A.DEF	JACKET POTATO																																							
C2 O	POWER		⏏		CHILLED MEAL																																							
C3 O	UP		+		RICE / PASTA																																							
C4 O	DOWN		-		FRESH VEGETABLES																																							
C5 O	START			LIQUID	FROZEN VEGETABLES																																							
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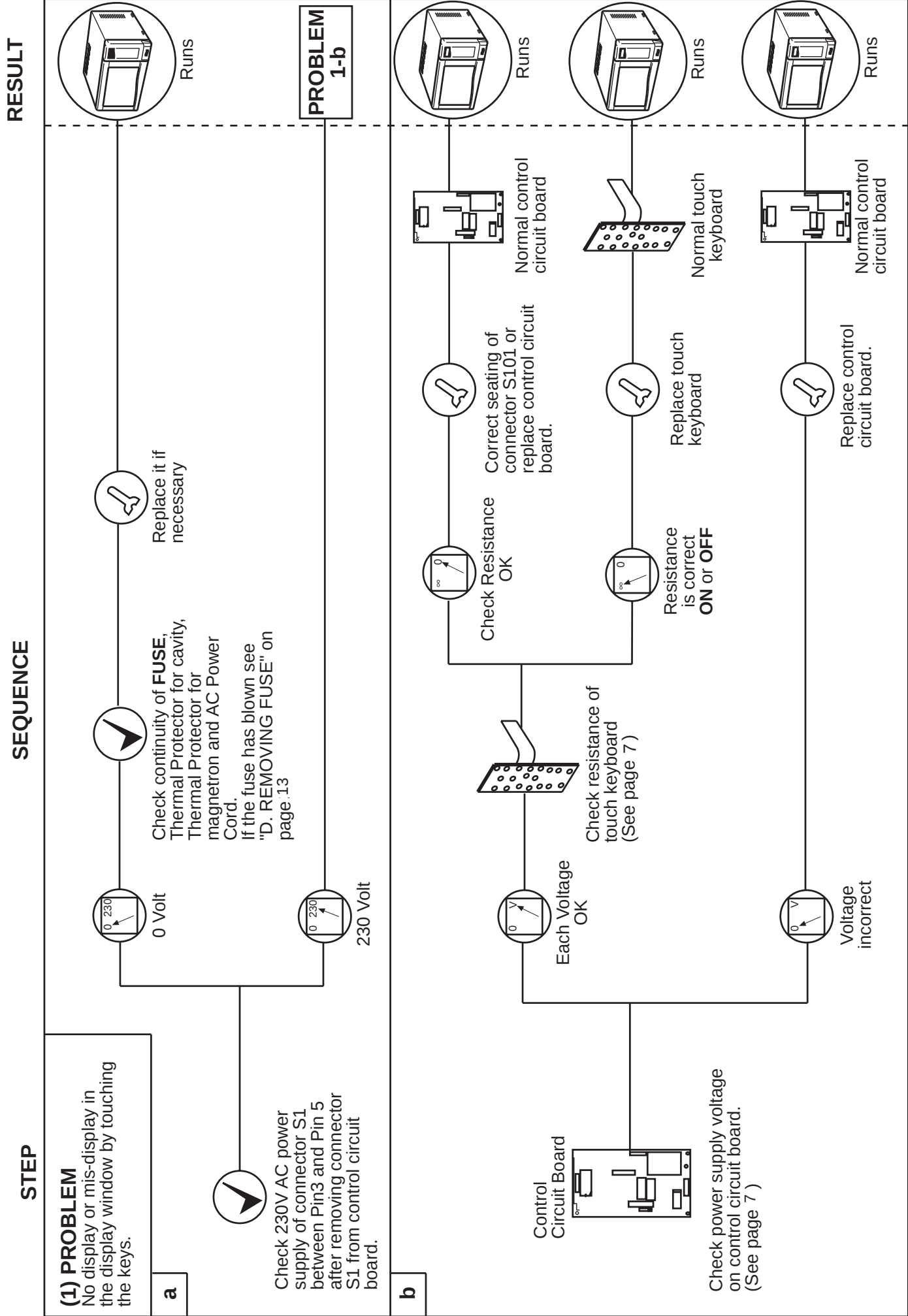
CHECKOUT PROCEDURE FOR SWITCHES

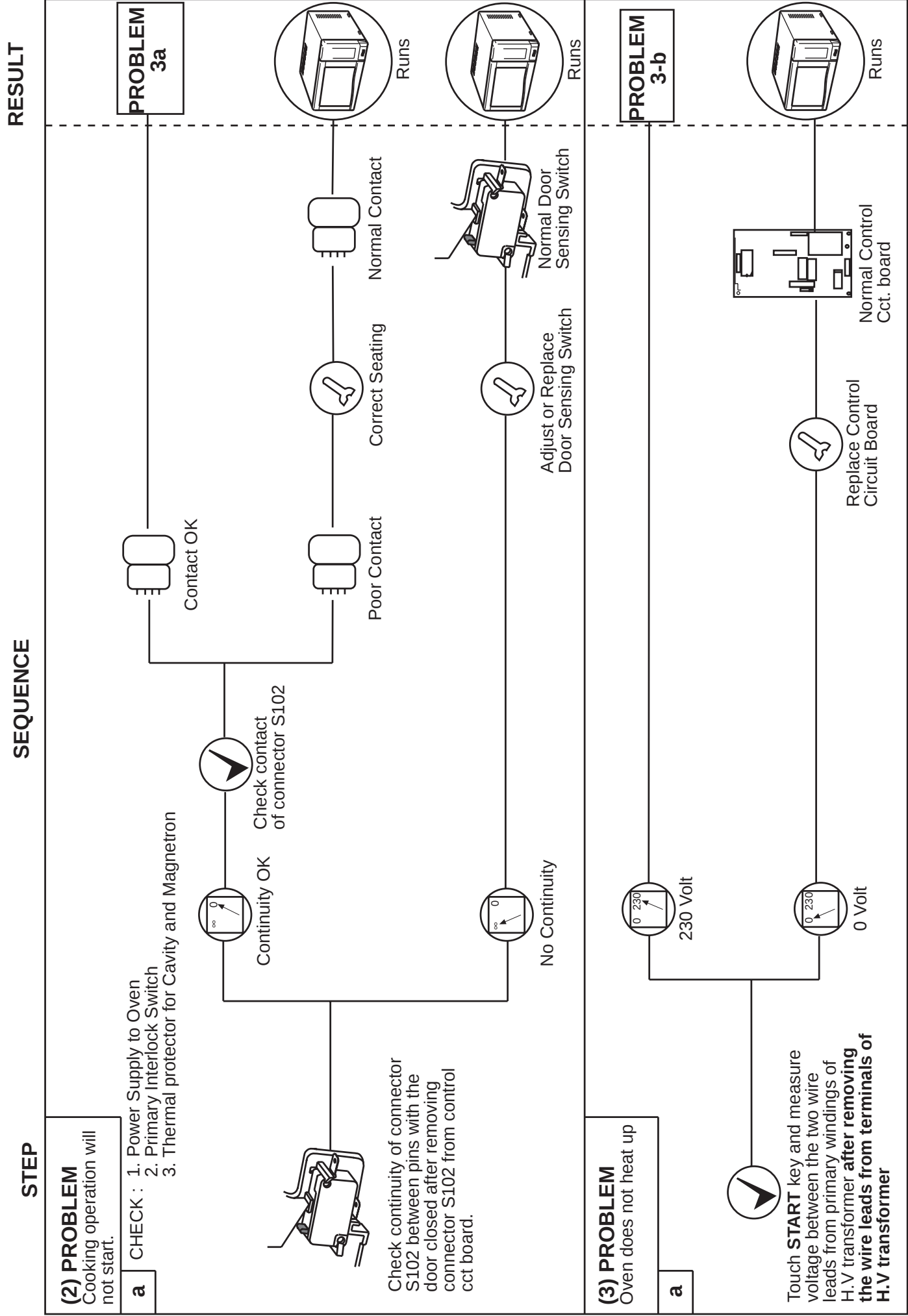
Disconnect the lead wires from the switches and check the continuity of the switches, connecting an ohm-meter to its terminals.

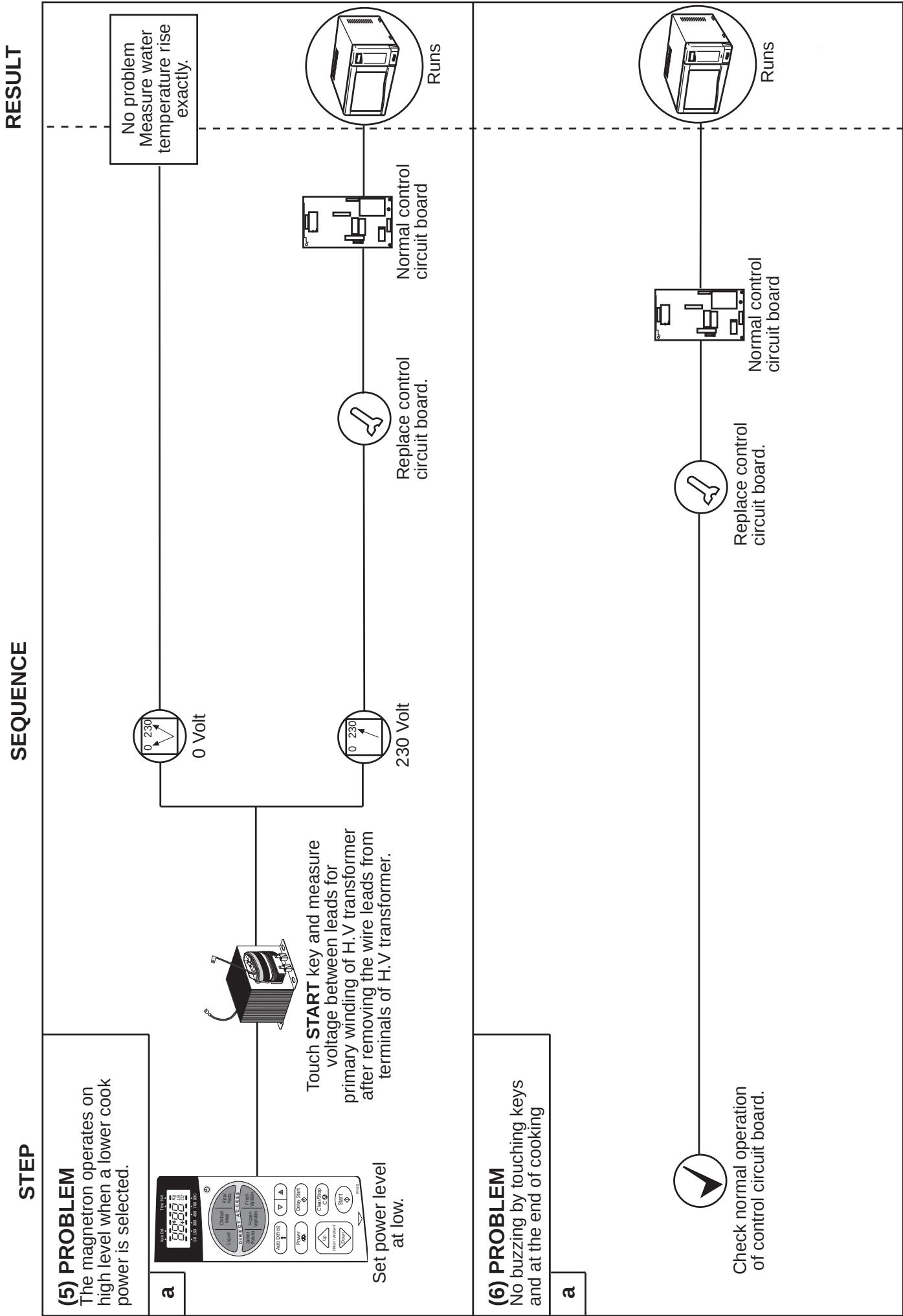
SWITCH	CHECKOUT PROCEDURES	DOOR OPEN	DOOR CLOSE
Primary Interlock	Connect an ohm-meters leads to terminals "COM" and "NO" of switch		
Door Sensing			
Interlock monitor	Connect an ohm-meters leads to terminals "COM" and "NC" of switch		

CAUTION : After checking the switches, make sure that the interlock monitor switch is properly connected according to the CIRCUIT DIAGRAM on page 4.

B. TROUBLESHOOTING







8.DISASSEMBLY INSTRUCTIONS

- OVEN MUST BE DISCONNECTED FROM ELECTRICAL OUTLET WHEN MAKING REPLACEMENTS, REPAIRS, ADJUSTMENTS, AND CONTINUITY CHECKS BEFORE PROCEEDING WITH ANY REPAIR WORK AFTER DISCONNECTING. WAIT AT LEAST 1 MINUTE, UNTIL THE CAPACITOR IN THE HIGH VOLTAGE AREA HAS FULLY DISCHARGED.
- WHEN REPLACING ANY DOOR MICRO SWITCH, REPLACE WITH THE SAME TYPE SWITCH SPECIFIED ON THE PARTS LIST.

A. REMOVING PRIMARY INTERLOCK SWITCH, DOOR SENSING SWITCH AND INTERLOCK MONITOR SWITCH

(See Figure 1 on page 1 and Figure 12 on this page)

- (1) Remove 2 screws securing the lever stopper.
- (2) Disconnect all lead wires from the primary interlock switch, door sensing switch and the interlock monitor switch
- (3) Ease away the retaining clips holding the Primary interlock switch onto the lever stopper and remove.
- (4) Remove the door sensing switch by reference to the step (3).
- (5) Remove the interlock monitor switch by reference to step (3).
- (6) Make the necessary adjustment, and make microwave energy leakage check according to "1. ADJUSTMENT PROCEDURES" on page 1. After the switch is replaced with a new one, check proper operation of it according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 8.

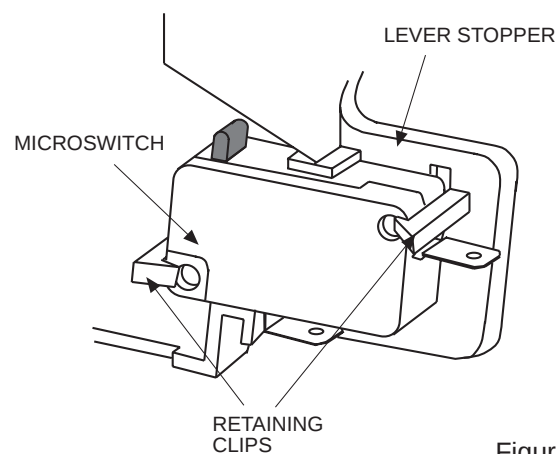


Figure 12

Interlock Switch Replacement - when replacing faulty switches, be sure switch retaining clips are not bent, broken or otherwise deficient in their ability to secure the switches in place.

B. REMOVING THE ANTENNA

(See exploded view on page 15)

- (1). Remove the screw securing the cavity cover to the cavity.
- (2). Remove the antenna complete by slightly bending it so the retension clips holding it slide out of the cavity wall.

C. REMOVING MAGNETRON

(See exploded view on page 16)

- (1) Remove the antenna complete according to

B. REMOVING THE ANTENNA.

- (2) Disconnect the 2 lead wires from the magnetron.
- (3) Remove 1 screw securing the duct to the magnetron, and take out the duct.
- (7) Remove 4 screws securing the magnetron to the waveguide.

Take out the magnetron **VERY CAREFULLY**.

NOTES

- When removing the magnetron, make sure that its dome does not hit any adjacent parts, or it may be damaged.
- After replacing the magnetron, be sure to check the microwave energy leakage with a leakage detector and confirm the leakage is below 5 mW/cm².

D. REMOVING FUSE

(A) Remove the 8A fuse with a screwdriver.

- When replacing the 8A fuse, be sure to use an exact repair part.
 - If the 8A fuse blows immediately, check the primary interlock switch and the interlock monitor switch (terminals "C" and "NC") according to "CHECKOUT PROCEDURE FOR SWITCHES" on page 8, and make sure to check the microwave energy leakage according to "1. ADJUSTMENT PROCEDURE" on page 1, when the primary interlock switch or the interlock monitor switch is replaced.
 - If the primary interlock switch is defective, replace not only the primary interlock switch but also the interlock monitor switch.
- Then install a new 8A fuse.
- If the primary interlock switch and the interlock monitor switch (terminals "C" and "NC") operate properly, determine which of the following is defective: blower motor, turntable motor, high voltage transformer, high voltage capacitor, high voltage diode or magnetron.

- If the high voltage diode is defective , replace not only the high voltage diode but also the fuse diode.

E. REMOVING DOOR

- (1) Remove the 2 screws securing the upper hinge.
- (2) Tilt the top of the door toward you.
- (3) Lift up the door to remove it.

NOTES

- After replacing the door, be sure to check that the primary interlock switch, door sensing switch and the interlock monitor switch operate normally. (See page 1).
- After replacing the door check for microwave energy leakage with a leakage detector.
Microwave energy leakage must be below the limit of 5mW/cm².

F. DISASSEMBLYING DOOR

(See exploded view on page 18)

- (1) Insert a thin flat blade screwdriver between the choke dielectric and the door mainframe and lift up the choke dielectric to release the hooks one by one.
- (2) To remove door cover, remove the 2 screws securing the door cover to the door main frame
- (3) Insert a thin flat blade screwdriver between the door cover and door mainframe and release the hooks one by one.
- (4) To detach the glass door panel, insert a thin flat blade screwdriver between the door panel and door cover and release the clips one by one.

NOTES

- The choke dielectric, the glass door panel and the door cover may be damaged when they are removed. When re-installing them, replace them with new ones if they are damaged.
- After installing the door in place, check for microwave energy leakage with a leakage detector.
Microwave energy leakage must be below the limit of 5mW/cm².

G. CHANGING POWER SUPPLY CORD

(See exploded view on page 16)

- (1) Removing the earthing screw.
- (2) Remove the power supply cord from the terminal of PCB complete.
- (3) Remove power cord from cavity assembly by lifting cord bush, moving it to the left and pulling it away from cavity rear plate.
- (4) Install the new power supply cord with the reverse procedure of above (1) to (3).

WARNING

For changing the power supply cord, never use parts other than the following :

Part Name : Power Supply Cord Assembly
Part No : **617 193 0153**

H. REMOVING TURNTABLE MOTOR COVER

(Refer to Figures 13 and 14 below)

- (1) Turn the unit and cut the 6 joints of the bottom plate and the motor cover using diagonal pliers (nipper). (See Figure 13)
- (2) Separate the motor cover and the bottom plate.

NOTES

- Bend the cut joints inside slightly for safety and be careful of the sharp edges.

RE-INSTALL :

- (1) Rotate the motor cover through 180°.
- (2) Insert the edge of the motor cover into the tab on the bottom plate.
- (3) Secure the motor cover by screwing it to the bottom plate (See Figure 14)
Use screw 411 156 5502 (not supplied with oven)

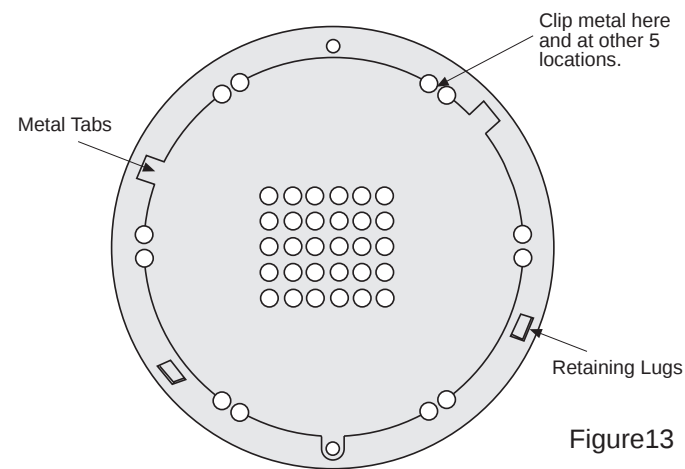


Figure13

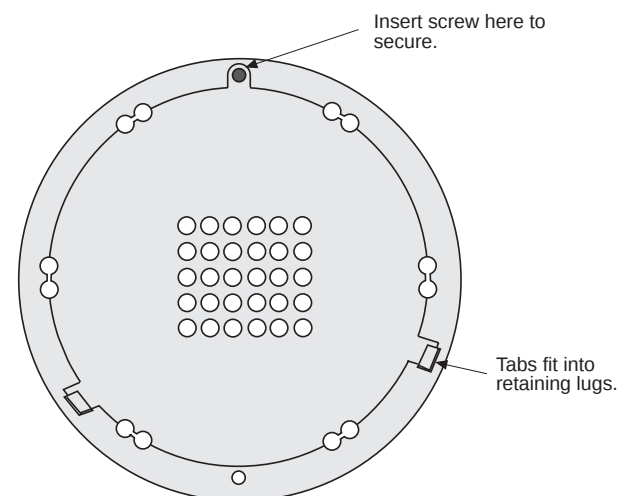
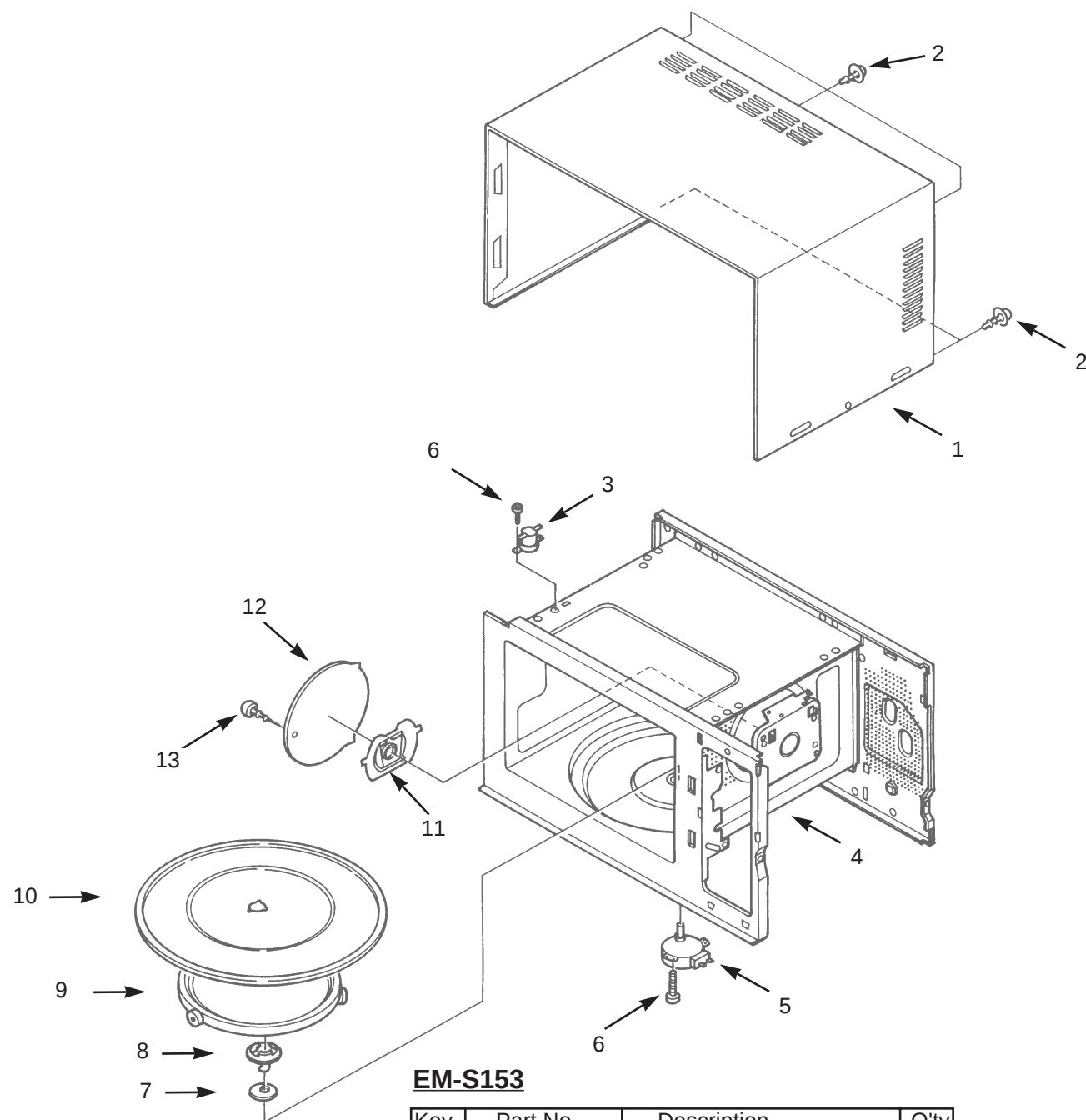


Figure14

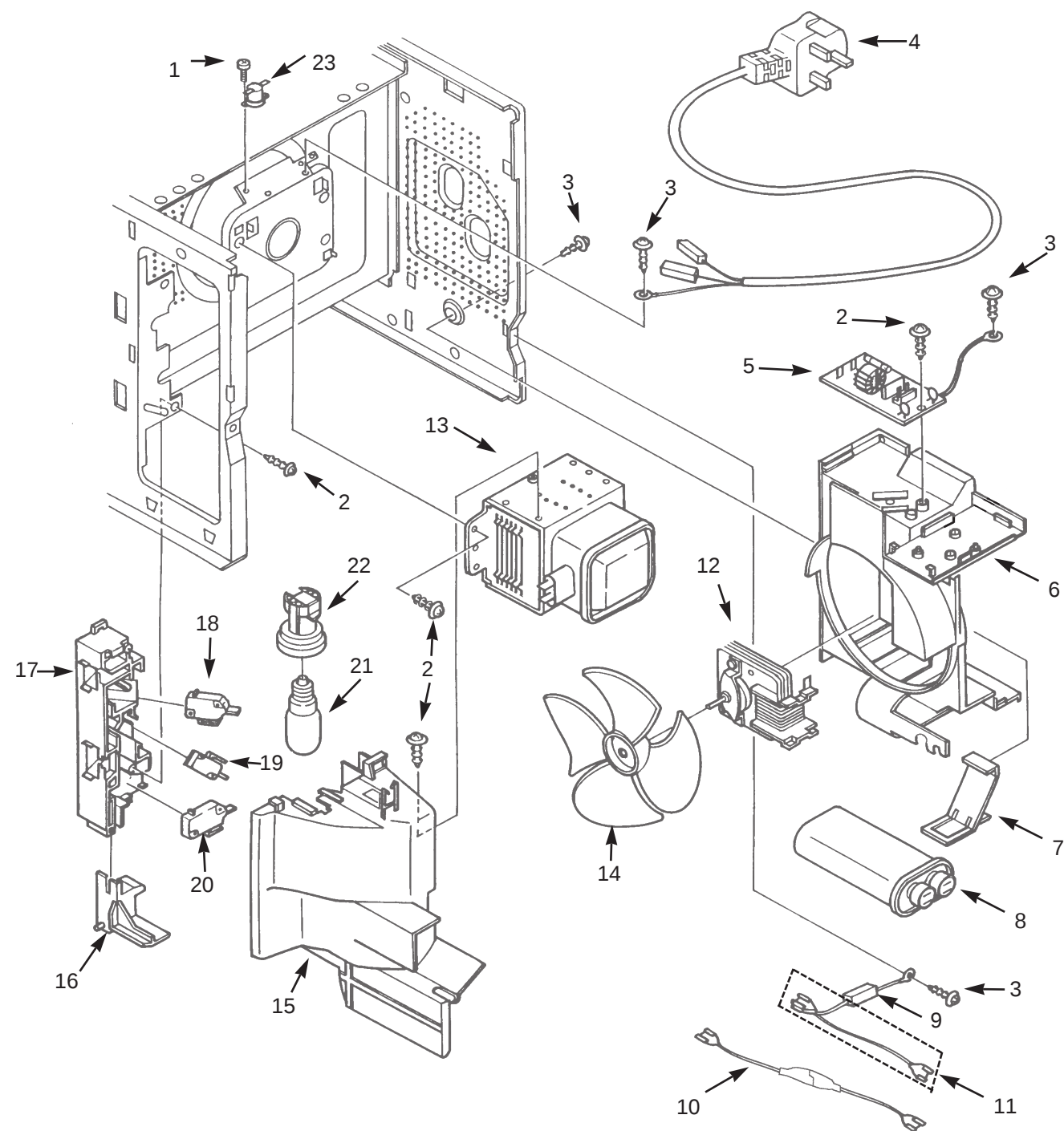
9. EXPLODED VIEW AND PARTS LIST
CAVITY PARTS



EM-S153

Key No.	Part No.	Description	Q'ty
1	617 188 0557	Cabinet(White)	1
1	617 188 0588	Cabinet(Green)	1
1	617 188 0571	Cabinet(Black)	1
1	617 194 6000	Cabinet(Blue)	1
1	617 194 5997	Cabinet(Red)	1
2	411 156 5601	SCR TPG PAN+F+S 4x10	5
3	617 153 3989	Thermostat, Cavity H150°C	1
4	617 180 4164	Cavity	1
5	617 123 9928	Gear Motor	1
6	411 001 6005	SCR S-TPG PAN 4x8	2
7	617 080 5315	Special Washer	1
8	617 184 7659	Turntable Shaft	1
9	617 174 3135	Roller	1
10	617 167 1421	Glass Tray	1
11	617 167 0363	Antenna Complete	1
12	617 169 8930	Cavity Cover	1
13	412 037 5901	SCR TPG TRS 4x6K	1

SWITCHES AND MICROWAVE PARTS

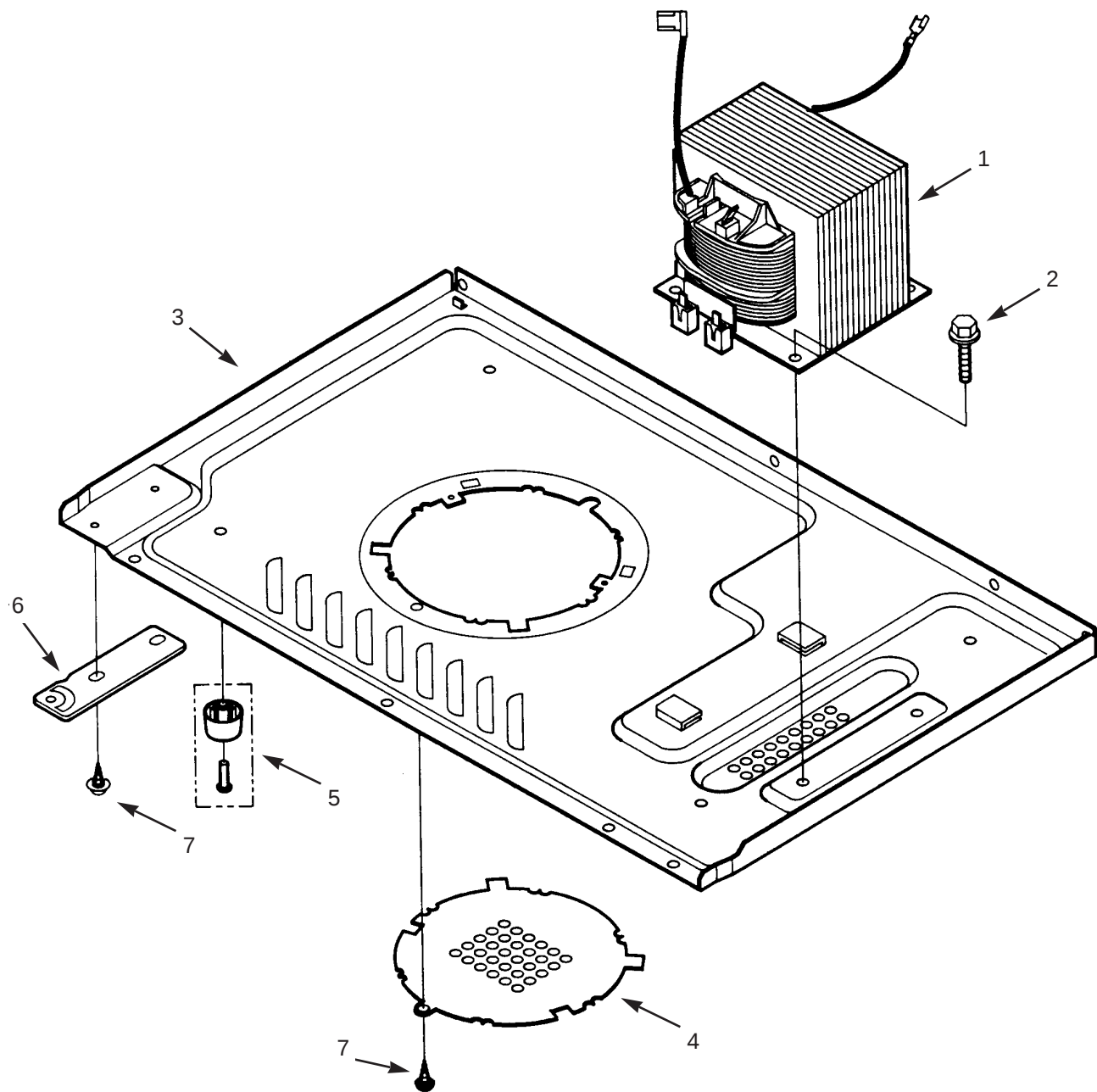


EM-S153

Key No.	Part No.	Description	Q'ty
1	411 010 5600	SCR EVR PAN 3x6	1
2	411 156 5601	SCR TPG PAN+F+S 4X10	9
3	411 156 5502	SCR S-TPG PAN+F+S4X10	4
4	617 193 0153	Power Supply Cord	1
5	617 177 3002	Terminal Cct Board	1
6	617 167 0417	Space Partition	1
7	617 162 2041	Capacitor Band	1
8	617 122 4085	Capacitor 1.02uF	1
9	617 182 6555	Diode Ass'y	1
10	617 181 3821	Fuse Complete	1
11	617 167 0561	Lead Wire Ass,y	1
12	617 167 0592	Blower Motor	1

Key No.	Part No.	Description	Q'ty
13	415 002 4909	Magnetron	1
14	617 112 1025	Fan	1
15	617 167 0424	Duct	1
16	617 195 3428	Latch Lever	1
17	617 189 0839	Lever Stopper	1
18	617 167 0523	Door Sensing Switch	1
19	617 167 6839	Interlock Monitor Switch	1
20	617 167 0523	Primary Interlock Switch	1
21	617 149 3009	Lamp 250V 25W	1
22	617 119 3480	Lamp Socket	1
23	617 153 6225	Thermostat Magnetron 135°C	1

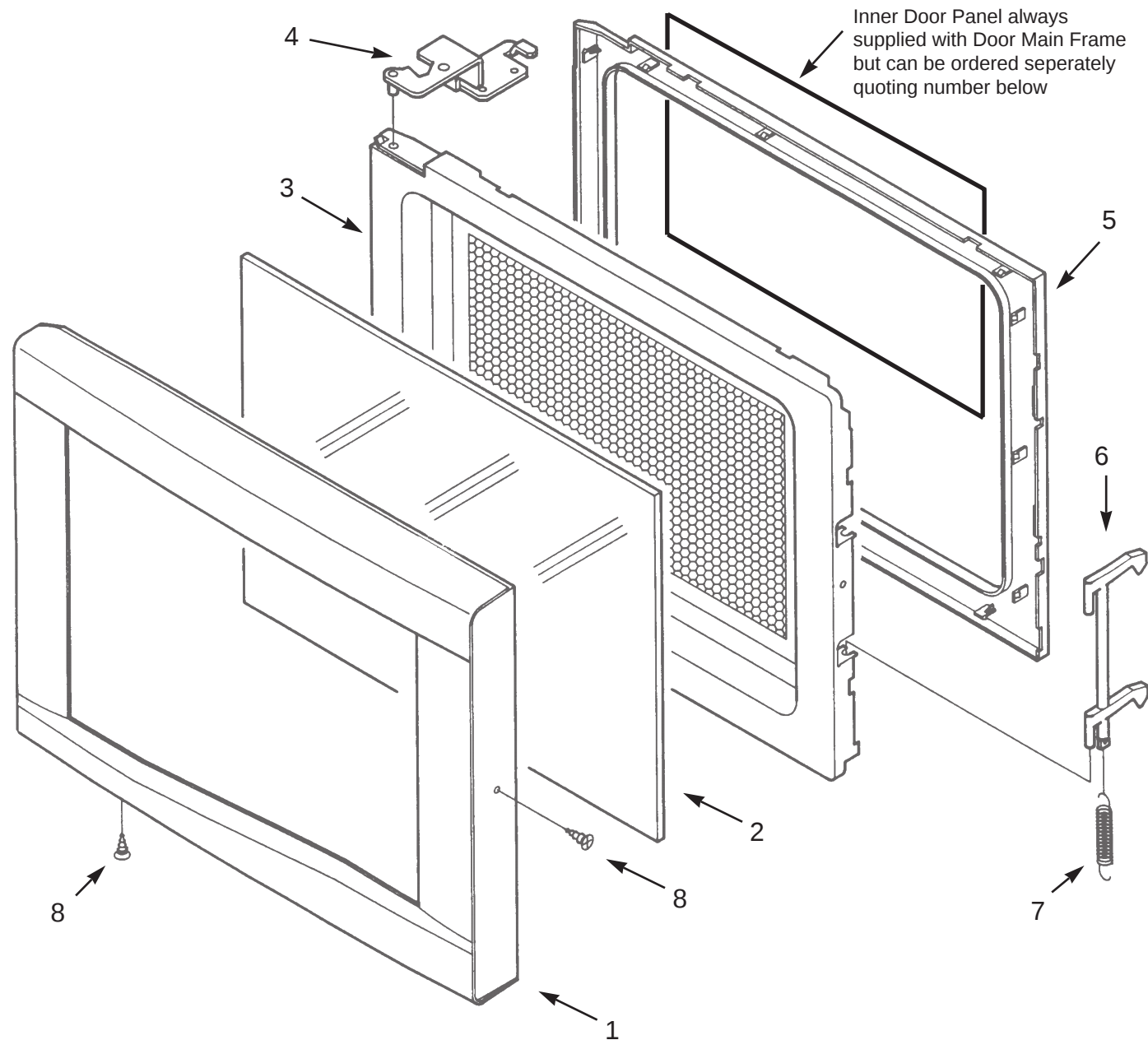
MICROWAVE PARTS



EM-S153

Key No.	Part No.	Description	Q'ty
1	617 196 8002	Transformer	1
2	617 156 3658	Special Screw	2
3	617 166 7486	Bottom Plate	1
4	-----	Gear Motor Cover	1
5	617 144 5435	Foot Cushion Assembly	4
6	617 166 7493	Bottom Hinge	1
7	411 156 5601	SCR S-TPG PAN+F+S 4x10	3

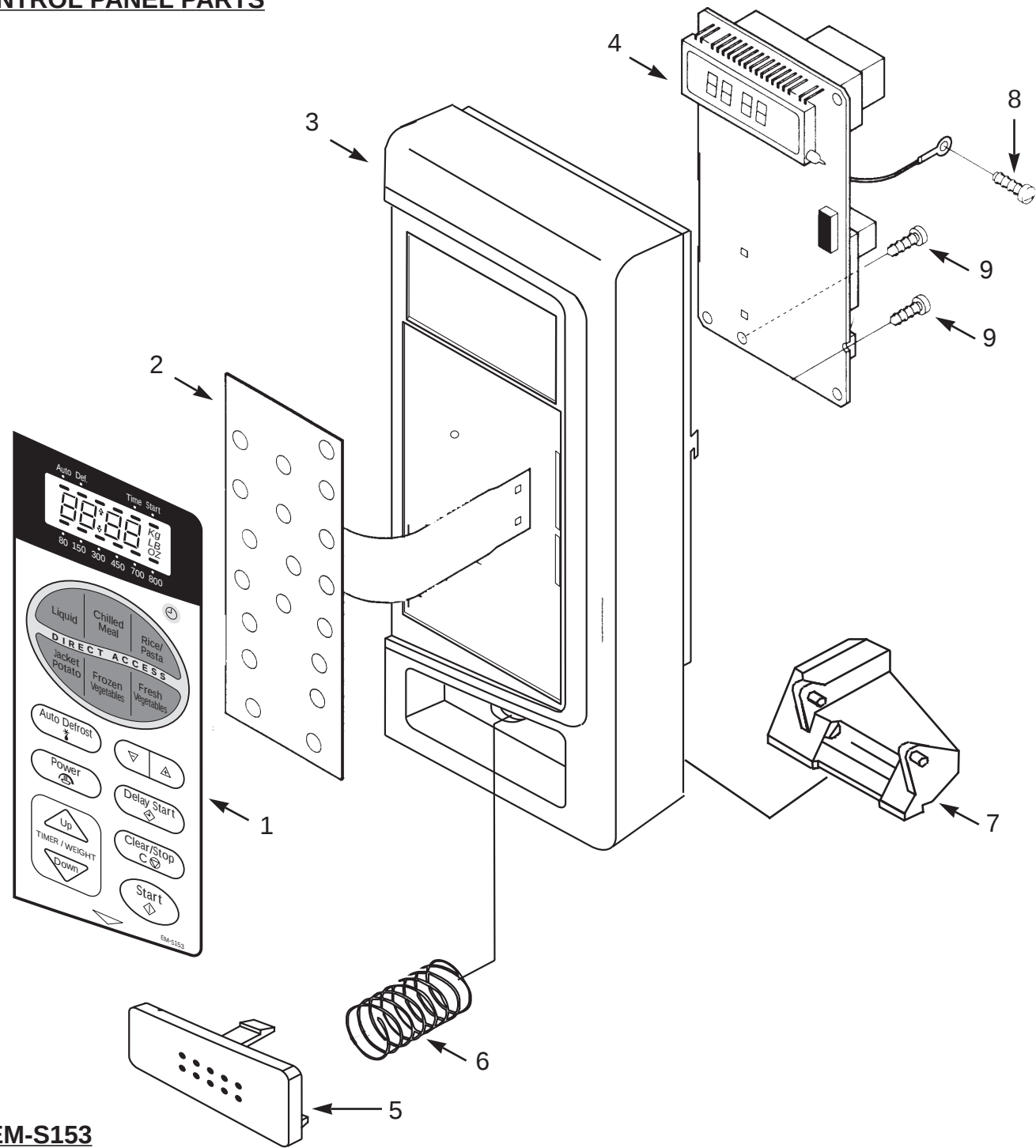
DOOR PARTS



EM-S153

Key No.	Part No.	Description	Q'ty
1	617 197 0159	Door Cover (White)	1
1	617 197 8971	Door Cover (Green)	1
1	617 197 8988	Door Cover (Black)	1
1	617 197 9008	Door Cover (Blue)	1
1	617 197 8995	Door Cover (Red)	1
2	617 167 0202	Glass Door Panel	1
3	617 166 7516	Door Main Frame(Supplied with inner Door Panel)	1
*	617 167 0219	Plastic Inner Door Panel	1
4	617 167 0189	Hinge	1
5	617 167 1285	Choke Dielectric	1
6	617 101 1487	Door Latch	1
7	617 101 1494	Spring	1
8	411 071 9104	SCR TPG FLT 3x8	2
*	617 197 0142	Door Ass'y (White)	1
*	617 197 8964	Door Ass'y (Green)	1
*	617 197 8957	Door Ass'y (Black)	1
*	617 197 8933	Door Ass'y (Blue)	1
*	617 197 8940	Door Ass'y (Red)	1

CONTROL PANEL PARTS



EM-S153

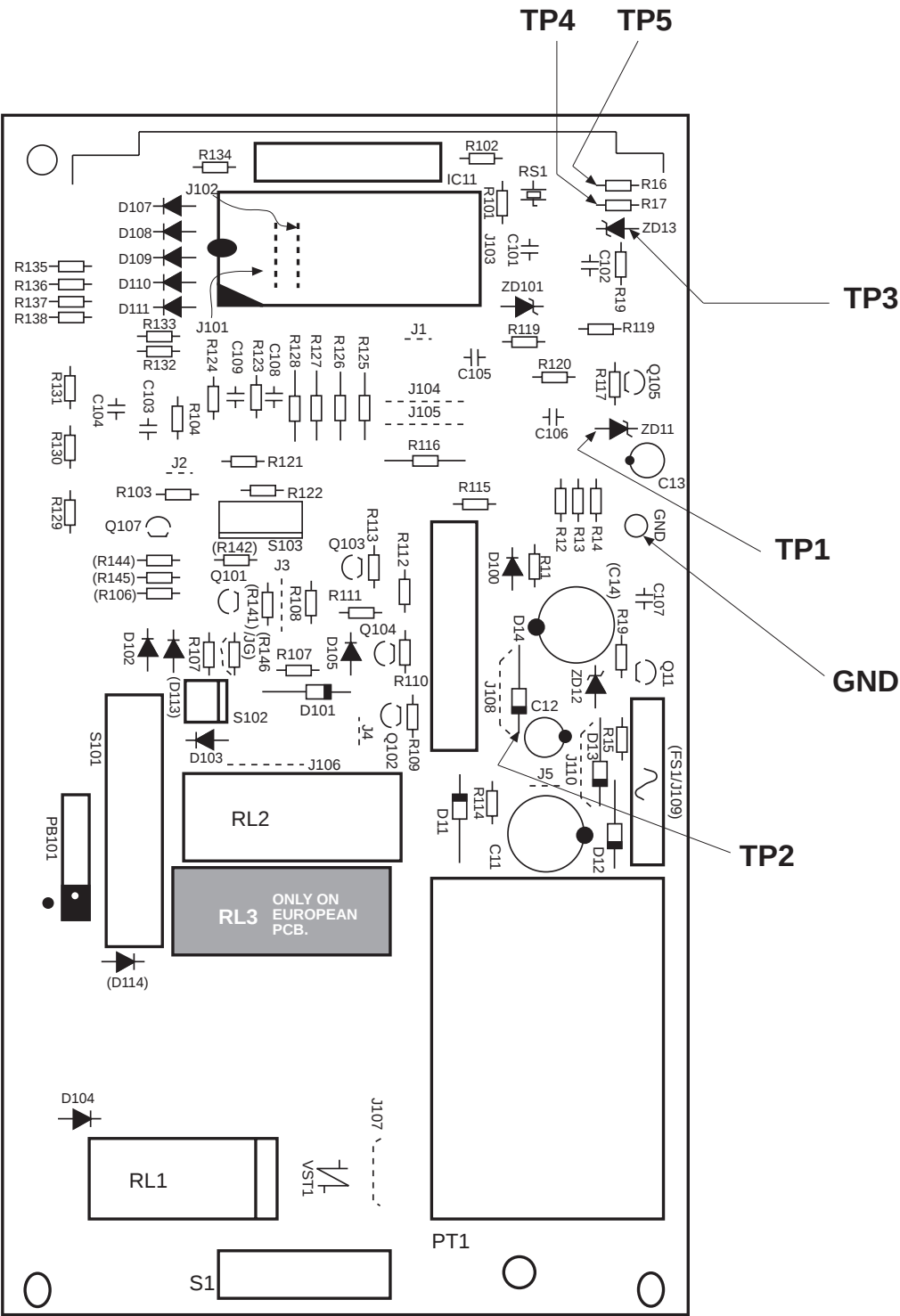
Key No.	Part No.	Description	Q'ty
1	617 197 0227	Control Sheet (White)	1
1	617 198 9519	Control Sheet (Green)	1
1	617 197 9466	Control Sheet (Black)	1
1	617 197 9480	Control Sheet (Blue)	1
1	617 197 9473	Control Sheet (Red)	1
2	617 196 5667	Touch Keyboard	1
3	617 179 8289	Control Frame (White)	1
3	617 200 4334	Control Frame (Green)	1
3	617 197 9350	Control Frame (Black)	1
3	617 197 9374	Control Frame (Blue)	1
3	617 197 9367	Control Frame (Red)	1
4	617 167 0813	P.C.B Complete	1
5	617 179 8319	Door Release Lever(White)	1
5	617 197 9268	Door Release Lever(Green)	1
5	617 182 1727	Door Release Lever(Black)	1

Key No.	Part No.	Description	Q'ty
5	617 197 9282	Door Release Lever(Blue)	1
5	617 197 9275	Door Release Lever(Red)	1
6	617 188 3329	Spring	1
7	617 144 0959	Latch Lever	1
8	411 156 5502	SCR S-TPG PAN+F+S4x10	1
9	411 064 6608	SCR TPG BIN 3x8	2
*	617 196 9375	Operating Instructions	1
*	617 196 8453	Carton Box	1

* These items not illustrated

10.CONTROL CIRCUIT BOARD
EM-S153 UK Version

Model	Version	Spares No.	RL3	M.Processor
EM-S153	UK	617 167 0813	No	LC6247



11. OVERALL CIRCUIT DIAGRAM

EM-S153 - UK

