



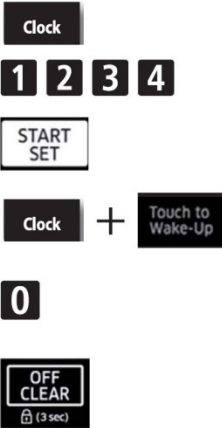
Model: NX58H9500



There are two kinds of error codes. One denotes an oven temperature sensor error and the other denotes a safety error. Possible error codes during use can be checked before service.

1. Touch Clock pad.
2. Touch the number pads 1,2,3 and 4. Make sure the Timer and Warming Drawer are both turned OFF.
3. Touch the Start/Set pad.
4. Touch the 'Clock' and the 'Touch to Wake-Up' pads at the same time for 2 seconds. Error codes are displayed.
5. Press the 0 number pad, to display the latest 5 error codes. If the power is interrupted and the oven turns off, the stored error codes are deleted.
6. Press the Off/Clear pad to return to normal display mode.

SE	Shorted Key.
E-24	Oven sensor opened problem.
E-22	Oven sensor shorted problem.
E-24	Oven overheating.
E-0E	Door locking error.



Fast Track Trouble shooting

IMPORTANT SAFETY NOTICE – “For Technicians Only” This service data sheet is intended for use by persons having electrical, electronic, and mechanical experience and knowledge at a level generally considered acceptable in the appliance repair trade. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible, nor assume any liability for injury or damage of any kind arising from the use of this data sheet.

Production Date: 12/29/14 JW

Support Information:

HELP: 1-888-751-4086 (Tech Sup. – ASC/SSD)

1-866-894-0637 (Tech Sup. - FE/ME)

GSPN: <http://gspn3.samsungcsportal.com/main.jsp>

PLUS ONE: <http://my.plus1solutions.net/clientPortals/samsung>

- Repairs of the appliance should be carried out by a licensed technician only. Incorrect repairs may result in dangerous situations. If you need repairs, contact a SAMSUNG Service Center or your dealer.
- If the power cord is defective, it must be replaced by a licensed technician with a UL-listed range cord.
- If the gas supply is damaged or defective, it must be replaced by a licensed technician or gas supplier.
- Electrical leads and cables should not be allowed to touch the oven.
- Rating plate is located on the left side of the opening for the warming drawer or storage drawer.
- The gas and electrical supplies to the appliance should be turned off and/or disconnected when the range is being serviced or repaired.

FAILURE CODE	CAUSE	SOLUTION
E-21	Oven Sensor Opened (Over 2950Ω)	1. Disconnect electrical Power to the range. Remove the upper rear cover panel. Measure the sensor resistance:1080Ω at the room temperature → If there are any problems, replace the oven temperature sensor.
E-22	Oven Sensor Shorted (Under 930Ω)	2. If there is not any problem with oven temperature sensor, Please check whether there is a damaged terminal or wire on harness. 3. Disconnect the oven sensor connector from the PCB. Check resistance of oven sensor connector on PCB. (Normal : 2850Ω)
FAILURE CODE	CAUSE	SOLUTION
E-24	Oven overheating error. (Temperature does not reach 650°F[343℃] in any cooking function, except Self Clean)	1. Disconnect power. Open the rear cover. Disconnect the two harness connectors to the oven temperature sensor resistance:1080Ω at the room temperature → If there are any problems, replace oven temperature sensor. 2. Check the broil and bake burners to make sure they are lighting and burning properly. 3. Check whether DLB , Broil& Bake Ignitor is working normally. 4. Make sure all harness connections are properly connected and securely fastened to the PCB. 5. Check the resistance of oven temperature sensor connector on PCB (Normal : 2850Ω)

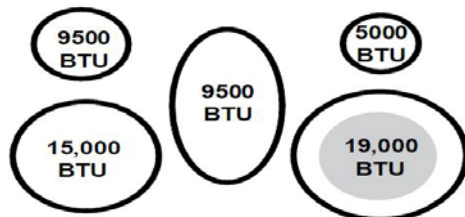
Model / serial tag

Tech sheet located on back

Touch /Keypad



NX58H9950WS, NX58H9500WS Touch Keypad



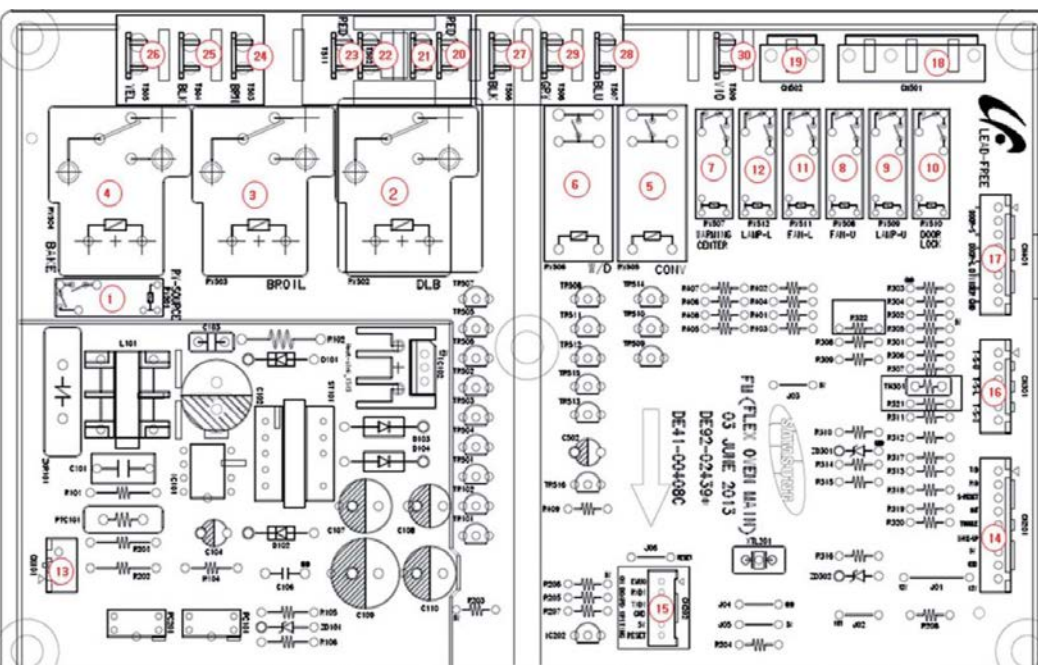
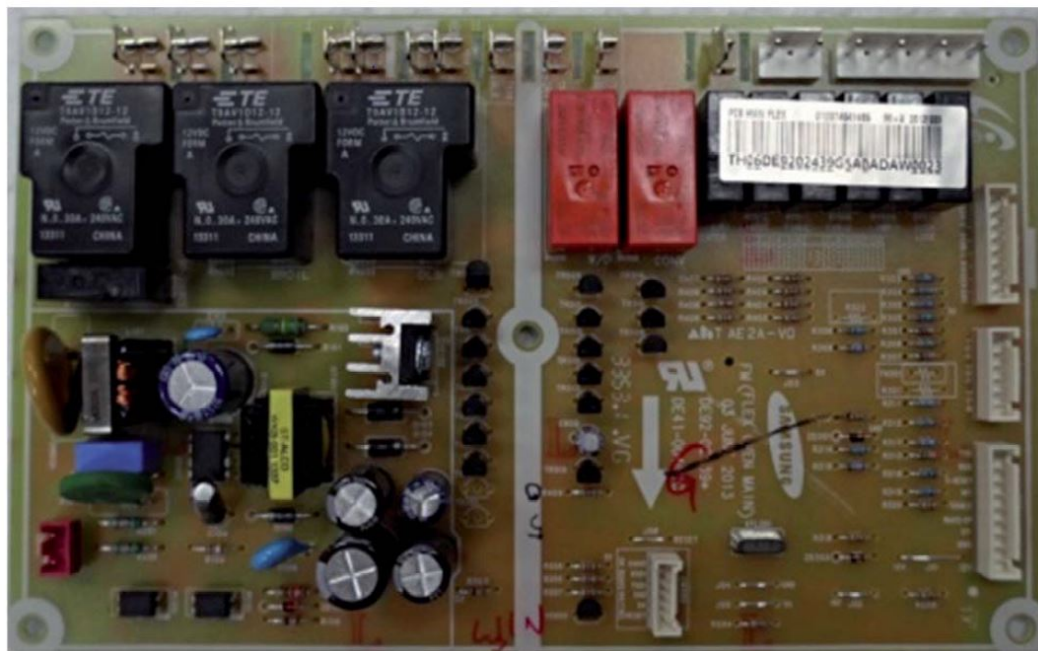
	NG	LP
LF	1.78	1.04
LR	1.40	0.83
C	1.38	0.83
RF	1.30/1.30/0.70	0.74/0.74/0.46
RR	1.01	0.62

NOTE: High-altitude orifice kits are available.

Burner	NG	LP
<u>Orifice</u>	<u>mm</u>	<u>mm</u>
Broil	1.80	1.02
Bake	1.90	1.15

No	Parts Number	Part Name	Funtion and Rule
1	RY400	VFD Power Relay	This is Relay to control VFD Power
2	RY401	Cooling Motor Relay	This is Relay to control Cooling Motor
3	CN200	Touch IC Writing Connector	This is connector for writing Touch IC
4	CN201	Touch Glass Connector	This connector is connected with Touch Glass
5	CN300	Rotary Switch Connector	This connector is connected with Rotary switch
6	CN400	Option Connector	This is connector for model option
7	CN401	VFD Power, Cooling Motor Relay, Cook-top Sensing Connector	This connector is connected with Cooling Motor, Cooktop sensing parts and power of VFD SMPS.
8	CN402	MICOM Writing Connector	This is connector for writing MICOM
9	CN403	Main Communication Connector	This connector is connected with Main PCB to communicate.

PCB Main



No	Parts Number	Part Name	Funtion and Rule
1	RY501	RY-Source Relay	This is relay which control source of DLB,BAKE,BROIL, W/ Drawer relay.
2	RY502	DLB Relay	Circuit is designed to have broil relay or convection relay worked after DLB relay is being worked by Double line break. (It will not be problem with reversing the order in inserting Red)
3	RY503	Broil-Heater Relay	Broil relay(Ry503), Bake relay(Ry504), convection relay(Ry505) will be on-off working by mi-com signal after DLB relay is worked. (Broil relay : It will not be problem with reversing the order in inserting Brown) (Bake relay : It will not be problem with reversing the order in inserting Blue)
4	RY504	Bake-Heater Relay	
5	RY505	Conv-Heater Relay	
6	RY506	WD-Heater Relay	This is Relay to control Warming Drawer-Heater.
7	RY507	WC-Heater Relay	This is Relay to control Cooling motor.
8	RY508	Conv-Fan-U Relay	This is relay which is connected with Conv. Fan.
9	RY509	Conv-Lamp-U Relay	This is relay which is connected with Conv-Lamp-Upper
10	RY510	Door Lock Relay	This is relay which is connected with door lock motor.
11	RY511	Oven-Fan-L Relay	This is Relay to control Cooling motor.
12	RY512	Oven-Lamp-L Relay	This is Relay to control Cooling motor.
13	CN101	Power Connector	This is to supply power with SMPS.
14	CN201	Sub Communication Connector	This is connector which is connected with Sub PCB to communicate.
15	CN202	MICOM Writing Connector	This is connector is for writing MICOM
16	CN301	Oven Sensing Connector	This connector which is connected with oven sensor.
17	CN401	Door Lock, Divider Connector	This is connector which is connected with Door plunger switch and Door lock switch, divider switch.
18	CN501	Relay Connector	This connector which have Door lock motor, Lamp, Convection fan, Cooling motor connected.
19	CN502	Relay Connector	This connector which have lower lamp and relay of lower convection fan connected
20	T510	DLB Terminal	This is terminal to connect harness with DLB relay.
21	T501		
22	T502		
23	T511	Broil Terminal	This is terminal to connect harness with Broil relay.
24	T503		
25	T504		
26	T505	Bake Terminal	This is terminal to connect harness with Bake relay.
27	T506	Convection-Heater Terminal	This is terminal to connect harness with convection-heater relay.
28	T507		
29	T508	WD-Heater Terminal	This is terminal to connect harness with relay to get heater on warming drawer work.
30	T509	WC-Heater Terminal	This is terminal to connect harness with relay to get cooling motor work.

WIRING DIAGRAM
MODEL: NX58H9500WS
NX58H9950WS

OVEN HEATING ELEMENTS		
INPUT POWER : AC120V 60Hz		
COMPONENTS	INPUT	WATTAGE
BAKE IGNITER	120V	400W
BROIL IGNITER	120V	400W
CONVECTION HEATER	120V	800W
WARM DRAWER HEATER	120V	600W
CONVECTION MOTOR	120V	35W
COOLING MOTOR	120V	35W

COLOR	
WHITE	WHT
BLUE	BLU
BROWN	BRN
GREEN	GRN
ORANGE	ORG
YELLOW	YEL
RED	RED
GRAY	GRY
BLACK	BLK

