

SERVICE DATA SHEET

318127067 (1010) Rev. C

Induction Slide-In Range with Electronic Oven Control

NOTICE

This service data sheet is intended for use by persons having electrical and mechanical training and a level of knowledge of these subjects generally considered acceptable in the appliance repair trade. **The manufacturer cannot be responsible, nor assume any liability, for injury or damage of any kind arising from the use of this data sheet.**

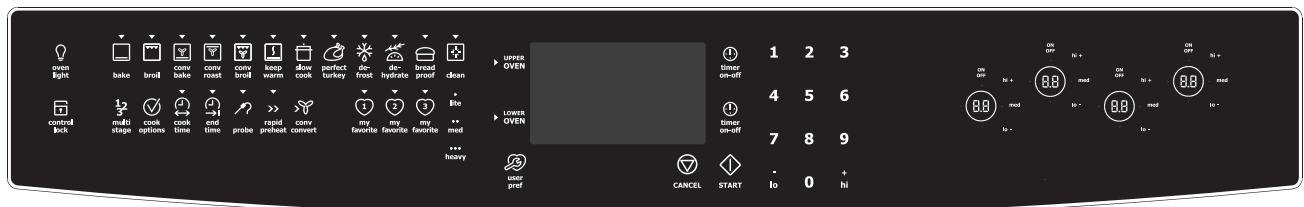
SAFE SERVICING PRACTICES

To avoid the possibility of personal injury and/or property damage, it is important that safe servicing practices be observed. The following are examples, but without limitation, of such practices.

1. Do not attempt a product repair if you have any doubts as to your ability to complete it in a safe and satisfactory manner.
2. Before servicing or moving an appliance, remove power cord from electric outlet, trip circuit breaker to OFF, or remove fuse and turn off gas supply.
3. Never interfere with the proper installation of any safety device.
4. USE ONLY REPLACEMENT PARTS CATALOGED FOR THIS APPLIANCE. SUBSTITUTIONS MAY DEFEAT COMPLIANCE WITH SAFETY STANDARDS SET FOR HOME APPLIANCES.
5. GROUNDING: The standard color coding for safety ground wires is GREEN OR GREEN WITH YELLOW STRIPES. Ground leads are not to be used as current carrying conductors. IT IS EXTREMELY IMPORTANT THAT THE SERVICE TECHNICIAN REESTABLISH ALL SAFETY GROUNDS PRIOR TO COMPLETION OF SERVICE. FAILURE TO DO SO WILL CREATE A POTENTIAL HAZARD.
6. Prior to returning the product to service, ensure that:
 - All electric connections are correct and secure.
 - All electrical leads are properly dressed and secured away from sharp edges, high-temperature components, and moving parts.
 - All non-insulated electrical terminals, connectors, heaters, etc. are adequately spaced away from all metal parts and panels.
 - All safety grounds (both internal and external) are correctly and securely reassembled.
 - All panels are properly and securely reassembled.

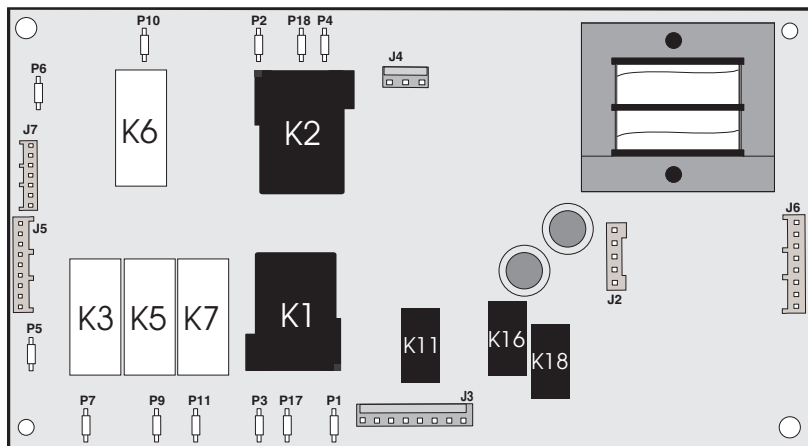
ELECTRONIC OVEN CONTROL

1. This self-cleaning controller offers Bake, Broil, Convection Bake, Convection Roasting and Convection Broil modes, Dehydrating, Defrosting, Temperature Probe, Perfect Turkey, Bread Proof, Keep Warm and Cleaning functions.
2. Convection operates with an element and a fan dedicated to convection.
3. This controller includes a display board, a relay board, and a convection fan and oven light control board.



NOTE: The controllers are not field repairable. Only temperature settings can be changed. See oven calibration.

ELECTRONIC OVEN CONTROL RELAY BOARD



This relay board serves to energize the upper and lower oven heating elements, door lock motor and cooling fan.

Relay Board Legend:

- K1. Double Line Break - Upper Oven
- K2. Double Line Break - Lower Oven
- K3. Broil Relay - Upper Oven
- K5. Bake Relay - Upper Oven
- K6. Bake Relay - Lower Oven
- K7. Convection Element Relay - Upper Oven
- K11. Motor Door Latch - Upper Oven
- K16. Cooling Fan Relay Low Speed - Upper Oven
- K18. Cooling Fan Relay High Speed - Upper Oven

P1 - L2 Out, Upper Oven

P2 - L2 Out, Lower Oven

P3 - L2 In, Upper Oven

P4 - Not Used

P5 - L1, Upper Oven

P6 - L1, Lower Oven

P7 - Broil, Upper Oven

P9 - Bake, Upper Oven

P10 - Bake, Lower Oven

P11 - Convection Element, Upper Oven

P17 - Not Used

P18 - L2 In, Lower Oven

J2 - DC Power Output To Display Board

J3 - AC Power Output (motor door latch, cooling fan)
For Upper Oven

J4 - Power Input (L1, Neutral)

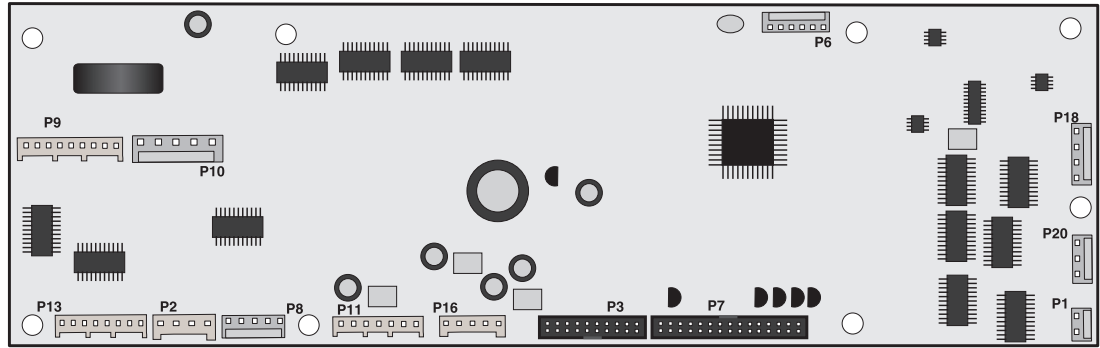
J5 - Relay Control Inputs (bake, broil and convection elements, motor door latch, DLB) For Upper Oven

J6 - Relay Control Inputs (cooling fan) For Upper Oven

J7 - Relay Control Inputs (bake element and DLB) For Lower Oven

ELECTRONIC CONTROL DISPLAY BOARD

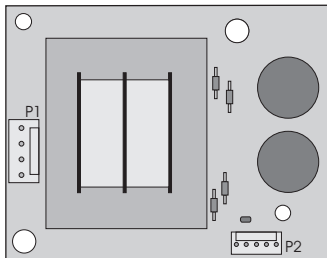
Electronic oven display board for electric ranges



Connector Legend:

- P1 - Upper Oven Probe Input
- P2 - Communication with Convection Fan and Oven Light Control Board, Communication with ESEC UIB
- P3 - Keyboard (touch panel)
- P6 - Microprocessor Programming (not used)
- P7 - Touch Panel LEDs
- P8 - Power Supply Input for Display LEDs
- P9 - Relay Control Output (heating elements, DLB, motor door latch) for Upper Oven
- P10 - Switches Input (motor door latch switch, door switch, rack switch) for Upper Oven
- P11 - Relay Control Output (heating element, DLB) for Lower Oven
- P13 - Relay Control Output (cooling fan)
- P16 - DC Power Supply Input (from Electronic Oven Control Relay Board)
- P18 - Meat Probe Input
- P20 - Lower Oven Probe Input

POWER SUPPLY BOARD FOR ELECTRONIC CONTROL DISPLAY BOARD



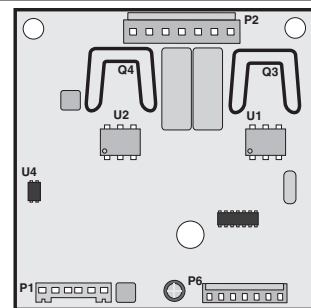
This board provides power to the electronic control display board.

- P1 - AC Power Input (L2 and Neutral)
- P2 - DC Power Output

CONVECTION FAN AND OVEN LIGHTS CONTROL BOARD

This board control the power output of the convection fan and oven lights.

- P1 - Communication with display board and power supply input
- P2 - AC power output for convection fan and oven lights, power inputs (L1, neutral)
- P6 - Microprocessor programming (not used)



ELECTRONIC OVEN CONTROL (FAULT CODES) DESCRIPTIONS

Note: Generally speaking "F1X" implies a control failure, "F3X" an oven probe problem, and "F9X" a latch motor problem.

F10 Control has sensed a potential runaway oven condition. Control may have shorted relay, RTD sensor probe may have a gone bad. **1)** Check RTD sensor probe and replace if necessary. If oven is overheating, disconnect power. If oven continues to overheat when power is reapplied, replace relay board and/or display board.

F11 Shorted Key: a key has been detected as pressed for a long period and will be considered a shorted key alarm and will terminate all oven activity. **1)** Press any key to clear the error. **2)** If fault returns, replace the keyboard (touch panel). **3)** If the problem persists, replace the display board.

F13 Control's internal checksum may have become corrupted. **1)** Press any key to clear the error. **2)** Disconnect power, wait 30 seconds and reapply power. If fault returns upon power-up, replace display board.

F14 Misconnected keyboard cable. **1)** Verify connection between display board and touch panel (2 ribbon cables). Make sure the cables are well connected at both ends. **2)** If the cables are good, replace the touch panel. **3)** If the problem persists, replace the display board.

F15 Controller self check failed or terminal cutoff open. **1)** If the oven controller displays an F15 error code and the ESEC controller displays an E15 error code at the same time, this is a strong indication that the safety thermostat (thermal cutoff) inside the front console opened. The primary reason for a safety thermostat to open is a deficiency of the cooling fan. With a ohmmeter, verify if the thermostat tripped. Reset the thermostat is needed and verify operation of the cooling fan. Note: the safety thermostat, when open, cuts AC power to the oven relay board (connector J4, pin 1 and 3) and the ESEC relay board (connector J1, pin and 3). **2)** An F15 error code on the oven controller may indicate the oven controller is not receiving a synchronization signal from the relay board. One easy way to determine this is to power off the unit, power it on and start a Timer for 1 minute before the F15 error code appears. If the timer counts-down normally then the synchronization signal is okay. If the timer stays at 1:00 and does not countdown, then the synchronization signal is missing. If the synchronization signal is missing, check first if the oven relay board is receiving 120VAC correctly (J4 pin 1 and 3). Then check the wiring between connector J2 on the relay board and connector P16 on the oven controller. If AC power and wiring looks good and the problem is still there, replace the relay board. If problem persists, replace the oven controller. **3)** The F15 error code may be caused by an oven controller failure. If the safety thermostat and synchronization signal have been verified and tested good, replace the oven controller.

F20 The oven controller has detected a problem with the communication link to the surface element controller (ESEC). **1)** Is the ESEC User Interface Board powered on (are the surface element displays showing something)? If not, that is the reason why the oven control cannot communicate with it (ESEC has no power). Check the 120VAC voltage going in to the ESEC power supply board located in the front console (connector P1) and the low voltage supply going from the power supply board (connector P2) to the ESEC UIB (connector P8). **2)** Check connections between connector P2 on the oven controller and P9 on the ESEC User Interface Board. This is the communication link. Verify for continuity. Refer to the wiring diagram. **3)** If the above steps failed to solve the problem, replace the ESEC UIB board. **4)** If problem persists replace the oven controller.

F23 The controller failed to communicate with the convection fan and oven lights control board. **1)** Verify wiring between P2 on the display board and P2 on the convection fan and oven lights control board. **2)** If wiring is good, replace convection fan and oven lights board. **3)** If the problem persists, replace the display board.

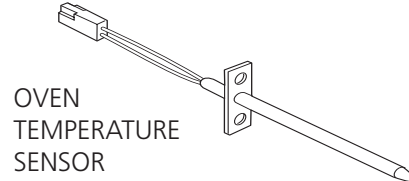
F25 No zero cross signal detected on the convection fan and oven lights control board. **1)** Make sure L1 and Neutral are connected to the convection fan and oven lights control board on connector P2 (P2 pin 3 = neutral / P2 pin 5 = L1). **2)** If problem persists, replace the oven convection fan and oven lights control board.

F30 Open RTD sensor probe/ wiring problem. Note: EOC may initially display an "F10", thinking a runaway condition exists. F31 Shorted RTD sensor probe / wiring problem. Note: F30 or F31 is displayed when oven is in active mode or an attempt to enter an active mode is made. **1)** Check wiring in probe circuit for possible open condition. **2)** Check RTD resistance at room temperature (compare to probe resistance chart). If resistance does not match the chart, replace the RTD sensor probe. **3)** Let the oven cool down and restart the function. **4)** If the problem persists, replace the display board.

F90 Door motor mechanism failure. **1)** Press any key to clear the error. **2)** If it does not eliminate the problem, turn off power for 30 seconds, then turn on power. **3)** Check wiring of Lock Motor, Lock Switch and Door Switch circuits. **4)** Unplug the lock motor from the board and apply power (L1) directly to the Lock Motor. If the motor does not rotate, replace Lock Motor Assembly. **5)** Check Lock Switch for proper operation (do they open and close, check with ohmmeter). The Lock Motor may be powered as in above step to open and close Lock Switch. If the Lock Switch is defective, replace Motor Lock Assembly. **6)** If all above steps fail to correct situation, replace the display board and/or the relay board in the event of a motor that does not rotate. **7)** If all the above steps fail to correct the situation, replace the display board in the event of a motor that rotates endlessly.

RTD SCALE		
Temp. °F	Temp. °C	Resistance (ohms)
32 ± 1.9	0.0 ± 1.1	1000 ± 4.0
75 ± 2.5	23.9 ± 1.4	1091 ± 5.3
250 ± 4.4	121.1 ± 2.4	1453 ± 8.9
350 ± 5.4	176.7 ± 3.0	1654 ± 10.8
450 ± 6.9	232.2 ± 3.8	1852 ± 13.5
550 ± 8.2	287.8 ± 4.6	2047 ± 15.8
650 ± 9.6	343.3 ± 5.3	2237 ± 18.5
900 ± 13.6	482.2 ± 7.6	2697 ± 24.4

ELECTRICAL RATING FOR ELECTRIC OVENS			
Kw Rating 240/208 V	See Nameplate	Bake Element Wattage	2500W / 1879W
Broil Element Wattage	4000W / 3004W	Convection Element Wattage	2500W / 1879W



	On Relay Board ELEMENTS			Door Motor J3-5	On Convection Fan and Oven Lights Control Board		On Display Board Door Switch P8-3 / P8-5	DLB L2 out P1	On Relay Board	
	Bake P9	Broil P7	Conv. P13		Light P2-1	Convection Fan P2-7			Cooling Fan Low speed J3-7	Cooling Fan High speed J3-8
Bake	X	X	X*			X*		X	X	
Keep Warm	X							X	X	
Broil		X						X		X
Conv. Bake	X	X	X			X		X	X	
Conv. Roast	X	X	X			X		X	X	
Conv. Broil		X				X		X		X
Clean	X	X						X	X	X
Locking				X						
Locked										
Unlocking				X						
Unlocked										
Light					X					
Door Open					X		X			
Door Closed										
Bread Proof	X								X	X

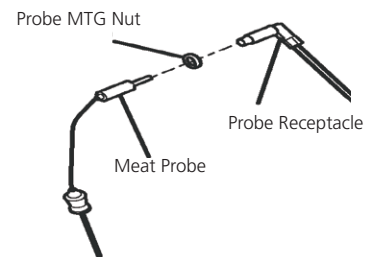
■ Relay will operate in this condition only

* Convection element and fan are used for the first rise of temperature.

LOWER OVEN ANALYSIS MATRIX		
	On Relay Board ELEMENTS Bake P10	On Relay Board DLB L2 out P2
Bake	X	X
Keep Warm	X	X

MEAT PROBE RESISTANCE

Meat Probe Temperature VS Resistance Table		
Temp. Celsius	Temp. Fahrenheit	Probe Resistance
25°C	77°F	49.478 Kohm +/- 7%
50°C	122°F	17.737 Kohm +/- 4.9%
80°C	176°F	6.107 Kohm +/- 3.3%
100°C	212°F	3.264 Kohm +/- 4.6%



OVEN LIGHT

This appliance is equipped with electronics that control the intensity of the oven lights. This is done with the Convection Fan and Oven Lights Control Board that modulates the AC voltage going to the 120V halogen lamps. When the light key is pressed or when the oven door is opened the display board communicates with the Convection Fan and Oven Lights Control Board to specify the required light intensity. The Convection Fan and Oven Lights Control Board also add a "theater-like" effect on the light: the light intensity is gradually ramp-up or ramp-down as the light is turned on or off.

The lights of the upper and lower oven (warmer oven) are connected together and will turn on or off at the same time, they cannot be controlled individually.

If the oven lights do not operate, check the following:

- If you are getting an F23 error code it means the display board is not able to communicate with the Convection Fan and Oven Lights Control Board, thus the oven light will not operate. Check connections between the display board and the Convection Fan and Oven Lights Control Board. Refer to the fault code section for corrective actions.
- If the lights are always ON (even with the door closed), it could be because the control mistakenly thinks the door is opened. Verify door switch and its wiring.
- Check connections on the Convection Fan and Oven Lights Control Board. On connector P2: pin 3 should be Neutral, pin 5 should be L1 (120VAC) and pin 1 should go to the oven lights. The other terminal of the light should be connected to Neutral.
- Verify if light bulbs need to be replaced.
- If there is no error code, the wiring is good and still the oven lights are not working then replace the Convection Fan and Oven Lights Control Board.

INDUCTION COOKTOP

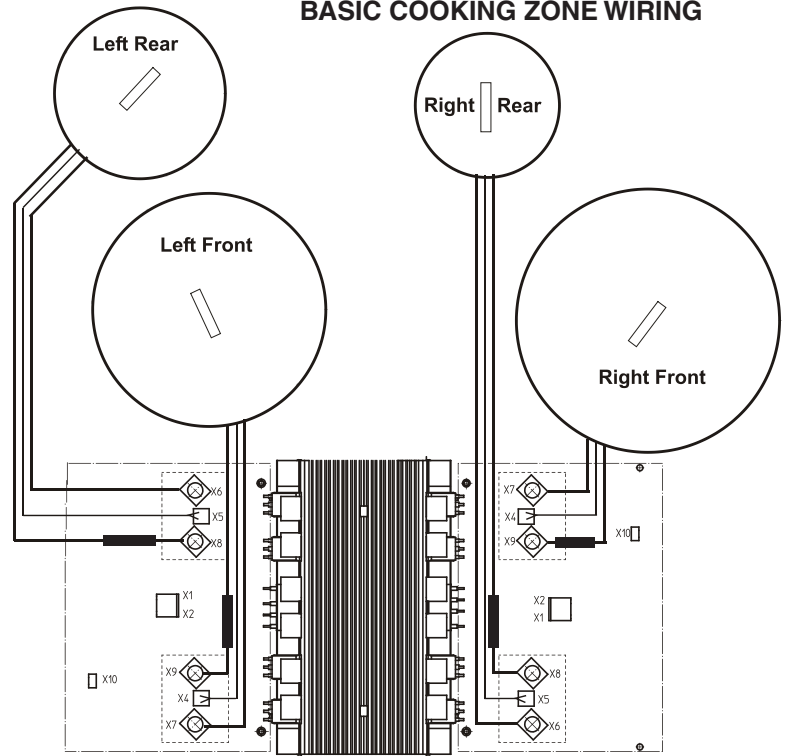
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SAFE SERVICING PRACTICES

To avoid the possibility of personal injury and/or property damage, it is important that safe servicing practices be observed. The following are examples, but without limitation, of such practices.

- Before servicing or moving an appliance remove power cord from electrical outlet, trip circuit breaker to OFF, or remove fuse.
- Never interfere with the proper installation of any safety device.
- GROUNDING:** The standard color coding for safety ground wires is *GREEN* or *GREEN WITH YELLOW STRIPES*. Ground leads are not to be used as current carrying conductors. **It is extremely important that the service technician reestablish all safety grounds prior to completion of service. Failure to do so will create a potential safety hazard.**
- Prior to returning the product to service, ensure that:
 - All electric connections are correct and secure.
 - All electrical leads are properly dressed and secured away from sharp edges, high-temperature components, and moving parts.
 - All uninsulated electrical terminals, connectors, heaters, etc. are adequately spaced away from all metal parts and panels.
 - All safety grounds (both internal and external) are correctly and securely reassembled.

BASIC COOKING ZONE WIRING

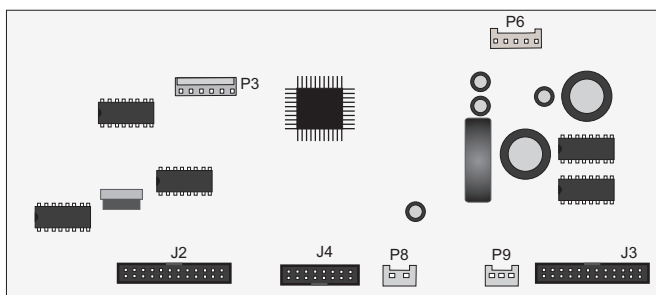


NOTE: Connect shortest black inductor wire (or identified by a red sleeve) to X8 or X9 connectors.

POWER LEVEL EXPLANATION TABLE

Displayed Power Level	LH	Lo	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.5
Power Level %	3.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	7.0	8.0	9.0	10.5	13.0
Displayed Power Level	4.0	4.5	5.0	5.5	6.0	6.5	7.0	8.0	9.0	Hi	PB		
Power Level %	15.5	18.0	21.0	25.0	31.0	38.0	45.0	54.0	64.0	100	130-153		

ELECTRONIC SURFACE ELEMENT CONTROL (ESEC) USER INTERFACE BOARD (UIB)

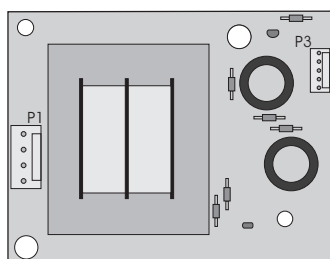


User Interface Board (UIB)

User Interface Board (UIB) Legend:

- J2. Connector for Touch Panel LEDs and Display Indicators
- J3. Connector for Touch Panel LEDs and Display Indicators
- J4. Connector for Keyboard (Touch Panel)
- P3. Micro Programming Header (Not Used)
- P6. Power Supply Input (from Power Supply Board for ESEC)
- P8. Communication with the Induction
- P9. Communication with Oven Control

POWER SUPPLY BOARD FOR ESEC UIB



This board provides power to the Electronic Surface Element Control (ESEC).

P1 - AC Power Input (L1 and Neutral)

P3 - DC Power Output

INDUCTION COOKTOP ELECTRONIC ERROR (FAULT) CODE DESCRIPTIONS

Error Code - Possible Cause or Condition	Suggested Corrective Action
11- Jammed key.	1) Verify if there is no mechanical interference in the <i>Touch Panel</i> area (utensil, wire, etc...) Disconnect power, wait 30 seconds and reapply power. If fault returns: 2) Verify harnesses between the <i>ESEC-UIB</i> and the <i>Touch Panel</i> . 3) Replace <i>ESEC-UIB</i> . 4) Replace the <i>Touch Panel</i> .
14 - <i>Touch Panel</i> Tail missing	Disconnect power, wait 30 seconds and reapply power. If fault returns: 1) Verify harnesses between <i>ESEC-UIB</i> and the <i>Touch Panel</i> . 2) Replace <i>ESEC-UIB</i> . 3) Replace the <i>Touch Panel</i> .
15 - ESEC Self test fail.	1) Check harness going to <i>ESEC-UIB</i> connection. 2) Replace <i>ESEC-UIB</i> .
21- Lin (Local Interconnect Network) error, no communications, shorted bus.	1) Verify the Lin Bus communication harness at <i>ESEC-UIB</i> , P8 connector is well connected and not damaged. 2) Replace <i>ESEC-UIB</i> . 3) Replace <i>Filter Circuit Board</i> .
30/70- AC input voltage too high, <i>Induction Housing Assembly</i> 35/75- AC input voltage too low, <i>Induction Housing Assembly</i>	1) Measure the house voltage at the main incoming connections on the <i>Filter Circuit Board</i> , between terminals X1,X2 and X4,X5 the voltage should be 240 Volts AC \pm 10%. 2) Inspect electrical jumpers from X1 to X2 and X4 to X5. 3) Terminal X6 is your chassis ground wire. 4) If proper voltage is present, replace the <i>Filter Circuit Board</i> .
31- Internal generator error, sync <i>Induction Housing Assembly</i> / Left side cooking zones.	1) Verify cables & connections on the <i>Left Side Generator Circuit Board</i> . 2) Replace the <i>Left Side Generator Circuit Board</i> .
32/33- Power Supply defect, <i>Induction Housing Assembly</i> / Left side cooking zones	1) Test all cables & connections on <i>Filter Circuit Board</i> . 2) Replace the <i>Filter Circuit Board</i> . 3) Replace the <i>Left Side Generator Circuit Board</i> .
34- Internal generator error, communication, <i>Induction Housing Assembly</i> / Left side cooking zones.	1) Check cable between <i>Filter Circuit Board</i> , X12 connector and <i>Left Side Generator Circuit Board</i> , X10 connector. 2) Replace <i>Left Side Generator Circuit Board</i> . 3) Replace <i>Filter Circuit Board</i> .
36- Communication error, <i>Induction Housing Assembly</i> / Left side cooking zones	1) Verify communication harness between <i>ESEC-UIB</i> , P9 connector and <i>Filter Circuit Board</i> , X14/X20 connectors. 2) Verify communication harness going between <i>Filter Circuit Board</i> , connector X12 and <i>Left Side Generator Circuit Board</i> , connector X10. Replace if defective. 3) Replace <i>Filter Circuit Board</i> . 4) Replace <i>Left Side Generator Circuit Board</i> . 5) Replace <i>ESEC-UIB</i> .
37- Heat sink temperature sensor break, <i>Induction Housing Assembly</i> / Left side cooking zones	1) Replace <i>Left Side Generator Circuit Board</i> .
39- Configuration mismatch between the <i>ESEC-UIB</i> and the <i>Induction Housing Assembly</i> .	1) Disconnect power, wait 30 seconds and reapply power. If fault returns: 2) Activate simultaneous both right front and right rear On/Off keys for 5 seconds (approx.), the error code should be replace by "8.8". 3) When "8.8" are shown on both left and right displays, release right side On/Off keys simultaneous active both left side front and rear On/Off keys for 5 seconds (approx.). 4) Displays should the show walking dashes when the re configuration is executing. When displays turn off, the unit is ready to operate. 5) If the reconfiguration described in steps 2 to 4 did not resolve the problem, replace the induction generator housing in the cooktop.
51- Inductor temperature sensor break (LF). 52- Inductor temperature sensor break (LR). 54- Inductor temperature sensor break (RR). 55- Inductor temperature sensor break (RF).	1) Verify element temperature sensor is correctly connect to the good <i>Induction Housing Assembly</i> connector (refer to wiring diagram). 2) Replace Inductor if temperature sensor resistor value is not approximately 1000 ohms (blue wires) at room temperature. 3) Replace associated <i>Generator Circuit Board</i> .
61- LF Inductor temperature sensor too hot. 62- LR Inductor temperature sensor too hot. 64- RR Inductor temperature sensor too hot. 65- RF Inductor temperature sensor too hot.	1) Verify cooktop ventilation is correct (airway & fan). 2) Verify Inductor white isolation material is complete and cover the whole Inductor. 3) Verify Inductor temperature sensor is correctly connected to the <i>Induction House Assembly</i> . 4) Replace Inductor if temperature sensor resistor value is not approximately 1000 ohms (blue wires) at room temperature. 5) Replace associated <i>Generator Circuit Board</i> .
71- Internal generator error. Sync, <i>Induction Housing Assembly</i> / Right side cooking zones.	1) Check all cables and connectors on the <i>Right Side Generator Circuit Board</i> , replace if defective. 2) Replace the <i>Right Side Generator Circuit Board</i> .

INDUCTION COOKTOP ELECTRONIC ERROR (FAULT) CODE DESCRIPTIONS (continued)

Error Code - Possible Cause or Condition	Suggested Corrective Action
72/73- Power Supply defect. <i>Induction Housing Assembly / Right side cooking zones.</i>	1) Test all cables & connections on <i>Filter Circuit Board</i> . 2) Replace the <i>Filter Circuit Board</i> . 3) Replace the <i>Right Side Generator Circuit Board</i> .
74- Internal generator error. Communication, <i>Induction Housing Assembly / Right side cooking zones.</i>	1) Check cable between <i>Filter Circuit Board</i> , connector X13 and the <i>Right Side Generator Circuit Board</i> , connector X10. 2) Replace the <i>Filter Circuit Board</i> . 3) Replace the <i>Right Side Generator Circuit Board</i> .
76- Communication error. <i>Induction Housing Assembly / Right side cooking zones.</i>	1) Verify communication harness between <i>ESEC-UIB P9</i> connector and <i>Filter Circuit Board X20/X14</i> , replace if damaged. 2) Verify communication harness going between <i>Filter Circuit Board</i> , connector X13 and <i>Right Side Generator Circuit Board</i> , X10 connector. Replace if defective. 3) Replace <i>Filter Circuit Board</i> . 4) Replace the <i>Right Side Generator Circuit Board</i> . 5) Replace <i>ESEC-UIB</i> .
77- Heat sink temperature sensor break, <i>Induction Housing Assembly / Right side cooking zones.</i>	1) Replace the <i>Right Side Generator Circuit Board</i> .

ADDITIONAL INDUCTION COOKTOP ERROR (FAULT) CONDITIONS

SYMPTOM OR FAILURE	CONTROL DISPLAY	POSSIBLE CAUSE OR CONDITION	SUGGESTED CORRECTIVE ACTION
Pan does not heat up.	Normal operation	Pan too small for proper pan detection and only works with low power.	Use larger pan or this pan on a smaller cooking zone. Refer to owners guide for proper pan selection.
	Red circle does not light or is flashing and pan does not heat.	Pan not detected.	Check whether the pots or pans are suitable for induction. Refer to owners guide for proper pan selection.
		Induction Coil not correctly connected or Induction Coil open.	Check the coil wire terminal connections. Ensure that they are properly connected and tightened. Test continuity of coil (should be less than 1 ohm).
		Distance between coil and glass ceramic too large.	Check whether the coil is properly positioned and touching the glass cooktop surface.
Individual buttons cannot be used or cannot always be used.	None	1. Test cables & connections. 2. <i>Touch Panel</i> defective. 3. <i>ESEC-UIB</i> defective.	1) Follow instructions for proper use of touch controls. 2) Verify harness going between <i>ESEC-UIB J4</i> and <i>Touch Panel J3</i> connectors (16 pins). Replace if defective or damaged. 3) Verify there is no mechanical interference close to the <i>Touch Panel</i> (wires, utensils, etc...) 4) Replace <i>ESEC-UIB</i> 5) Replace <i>Touch Panel</i>
Cooking power too low or shuts down prematurely.	None	Fluids spilled or object lying on <i>Touch Panel</i> keypads.	Clean up spills or remove objects. Restart cooktop in normal manner.
	Normal operation	Ventilation slots obstructed.	Clean up spills or remove objects. Restart cooktop in normal manner.
		Unsuitable pots (bottom bent).	Follow owners guide for proper pan selection.
		Distance between coil and glass ceramic too large.	Check whether the glass ceramic was pushed down when being screwed in position and the coil has been correctly positioned.
		Fan does not start.	1) When setting a cooking phase >0, the fan runs at a slow speed. If not, check the fan for foreign objects, remove these where appropriate. 2) If necessary, replace fan. 3) Replace the <i>Filter Circuit Board</i> .
	Oven Cooling Fan does not operate.	1) Check oven cooling fan for correct operation when cooktop zones are heating. If necessary, replace fan.	

INDUCTION COOKTOP ELECTRONIC ERROR (FAULT) CODE DESCRIPTIONS (continued)

SYMPTOM OR FAILURE	CONTROL DISPLAY	POSSIBLE CAUSE OR CONDITION	SUGGESTED CORRECTIVE ACTION
Steady "HE" in display when cooking zone is cold and switched off.	"HE"	Temperature sensor defect.	1) Test coil RTD approx. 1K ohms at room temperature. Replace coil if resistance is not correct. 2) Replace generator circuit board.
Cooktop does not initialize/operate.	Blank No Display No Beep	Unit not powered	- Verify unit installation.
		Defective ESEC power supply.	1) Measure voltage at the power supply input P1 pins 1&4 should be 120VAC. Verify harness if voltage is not present. 2) Measure voltage at power supply output P3 pins 1&2 should app. 8VDC. Replace ESEC power supply if voltage is not present. 3) Measure voltage at power supply output P3 pins 1&3 should be app. 16VDC. Replace ESEC power supply if voltage is not present.
		Defective ESEC-UIB.	Replace ESEC-UIB.

INDUCTION HOUSING ASSEMBLY

