

**1 ERROR CODES AND APPLIANCE MESSAGES ..... 3**

**1.1 General error codes.....3**

E .....3

☞ Key symbol .....3

h/H or 0 as soon as appliance switched on .....3

h/H or 0 after activating and setting frying sensor .....4

F0 .....4

F1 .....4

F2 .....4

F3 .....4

F4 .....5

F6 .....5

F7 .....6

F8 .....6

F9 .....6

**1.2 TouchControl error codes.....7**

ErXY .....7

Er21 and signal .....7

Er22 .....7

Er25 .....7

Er26 .....7

Er32 .....7

Er38 .....8

Er42 .....8

U240 .....8

U400 .....8

No function and display when main switch actuated .....8

**1.3 Induction error codes .....9**

U1 .....9

U2 .....9

U3 .....9

U4 .....11

d0 .....11

d1 .....11

d2 .....11

d3 .....11

d4 .....11

d5 .....12

d6 .....13

d7 .....13

e0 .....13

e1 .....13

e2 .....13

e3 .....13

e4 .....14

e5 .....14

e6 .....14

e7 .....14

e8 .....14

e9 .....14

e9 .....14

**1.4 Gaggenau error codes ..... 15**

- (Decimal point) on the timer display ..... 15
- No display or residual heat display ..... 15
- H 7 (alternating)..... 15
- H ..... 15

**2 ACTIVATING SERVICE PROGRAMMES.....16**

**2.1 Activating/deactivating demonstration programme (circuit) ..... 16**

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en		Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656	Revision F	1 of 49

Hobs and hotplates (induction)..... 16  
 Gaggenau hotplates..... 17  
**2.2 Activating/deactivating Standard settings menu..... 18**  
 To do ..... 18  
 Activation and selection buttons..... 19  
**2.3 Activating/deactivating customer service test programme .....23**  
 To do .....23  
 Button combination of X and Y.....24  
**3 FUNCTIONS OF THE SERVICE PROGRAMMES..... 29**  
**3.1 Functions of the customer service test programme .....29**  
 Select functions .....29  
 P0 End test programme .....29  
 P1 Sensor button test, display and buzzer test.....30  
 P1 Sensor button test.....30  
 P1 Twist/TipPad test .....32  
 P1 Slider test.....34  
 P1 MetalTouch sensor/slider test .....35  
 P1 Display and buzzer test.....35  
 P2 Restore basic setting .....35  
 P5 Calibrate cooking sensor .....37  
 P6 Calibrate frying sensor .....38  
 P7 Output parameters.....39  
 P8 Endurance test.....41  
 Exit .....41  
 P9 Deactivate operating time limit .....42  
 PA Detailed sensor button test .....43  
**3.2 Functions of the basic settings (customer settings).....45**  
 Selection of the basic settings.....45  
 c0 Restore basic setting .....45

c1 Automatic childproof lock ..... 45  
 c2 Acoustic signal ..... 45  
 c3 Calibrate frying sensor ..... 45  
 c4 Calibrate cooking sensor ..... 45  
 c5 Automatic timer ..... 46  
 c5 Reduce operating time limit (Balay)..... 46  
 c6 Duration of the timer end signal..... 46  
 c7 Connection of the heating circuits (radiation)..... 46  
 c7 Power manager (induction) ..... 46  
 c8 Emergency operation ..... 46  
 c9 Selection time of the hotplate ..... 46  
**3.3 Calibrating TwistPad..... 47**  
**3.4 Calibrating TipPad..... 48**  
**3.5 Appendix..... 49**  
 Conversion table maximum intrinsic temperature TouchControl ..... 49

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		2 of 49


**1 ERROR CODES AND APPLIANCE MESSAGES**

Error code	Description	Cause	Check/Remedial action/Remark
------------	-------------	-------	------------------------------

**Before carrying out any repairs disconnect the appliance from the power supply for at least 30 seconds and then reconnect. If the fault is still displayed, implement diagnostics and troubleshooting.**

**1.1 General error codes**

<b>E</b>	Sensor button continuously actuated	▪ Glass ceramic damp in the area of the sensor button	→ Clean and dry glass ceramic
		▪ Object on the sensor button	→ Remove object
			📘 See operating instructions (not a fault)

 <b>Key symbol</b>	Childproof lock	▪ Childproof lock was inadvertently switched on by the user	→ Press childproof lock button until signal sounds (appliance is operational again)
		▪ Automatic childproof lock is switched on	→ Switch off automatic childproof lock in the standard settings (c1)
			📘 See operating instructions (not a fault)

<b>h/H or 0 as soon as appliance switched on</b>	Fictitious residual heat display	▪ Standard settings were not restored	→ Run customer service test program P2 (reset to the factory settings)
		▪ Time of the residual heat display has still not completely elapsed	📘 Residual heat display goes out by itself after maximum 60 minutes

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		3 of 49

Error code	Description	Cause	Check/Remedial action/Remark
h/H or 0 after activating and setting frying sensor	Frying sensor can be activated and set; however settings are not accepted	▪ Fault in the cabling to the cooking/frying sensor module (interruption, short-circuit, contact resistance, incorrectly connected)	→ Check all lines and plug-and-socket connections between the electronic components
		▪ Component defective	→ Replace defective components
F0	1. Induction transmission fault 2. Graycode selector transmission fault 3. Cooking/frying sensor module transmission fault 4. Island master/slave transmission fault	▪ Cabling fault (interruption, short-circuit, contact resistance, incorrectly connected)	→ Check all lines and plug-and-socket connections between the electronic components
		▪ Component defective	→ Replace defective components
F1	TouchControl NTC fault (Gaggenau only)	▪ NTC of the intrinsic temperature monitor supplies illogical measurements	→ Replace TouchControl
F2	TouchControl disconnected due to overheating	▪ TouchControl temperature above 105 °C	→ Leave appliance to cool down
			→ Delete error message by pressing a sensor button
			■ See operating instructions (not a fault)
F3	Cooking sensor fault	▪ Fault on the cabling	→ Check all lines and plug-and-socket connections
		▪ Cooking sensor defective	→ Replace cooking sensor
		▪ Cooking sensor module defective	→ Replace cooking sensor module
			■ See operating instructions

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		4 of 49

Error code	Description	Cause	Check/Remedial action/Remark
------------	-------------	-------	------------------------------

F4	TouchControl disconnected due to overheating	<ul style="list-style-type: none"> <li>▪ TouchControl temperature above 120 °C</li> </ul>	→ Leave appliance to cool down
			→ Delete error message by pressing a sensor button
			■ See operating instructions (not a fault)

F6	Temperature rise at sensor doesn't correspond to planned parameters.	<b>Deep fryer:</b> <ul style="list-style-type: none"> <li>▪ No oil or not enough (protector switched off)</li> </ul>	→ Fill up with oil and switch the protector on
		<ul style="list-style-type: none"> <li>▪ Heater defective</li> </ul>	→ Check the heater and replace it if necessary
		<ul style="list-style-type: none"> <li>▪ No power supply provided to heater (cable or electronics defective)</li> </ul>	→ Check power supply and, if necessary, repair the cable or replace the electronics
		<ul style="list-style-type: none"> <li>▪ Sensor defective or not properly fixed</li> </ul>	→ Check the sensor and replace it if necessary
		<ul style="list-style-type: none"> <li>▪ Regulator defective</li> </ul>	→ Check the regulator and replace it if necessary
		<b>Teppan Yaki:</b> <ul style="list-style-type: none"> <li>▪ Heater defective</li> </ul>	→ Check the heater and replace it if necessary
		<ul style="list-style-type: none"> <li>▪ No power supply provided to heater (cable or electronics defective)</li> </ul>	→ Check power supply and, if necessary, repair the cable or replace the electronics
		<ul style="list-style-type: none"> <li>▪ Sensor defective or not properly fixed</li> </ul>	→ Check the sensor and replace it if necessary
		<ul style="list-style-type: none"> <li>▪ Regulator defective</li> </ul>	→ Check the regulator and replace it if necessary

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		5 of 49

Error code	Description	Cause	Check/Remedial action/Remark
F7	Frying sensor fault	▪ Frying sensor temperature too high	→ Leave frying sensor cooking zone to cool down
		▪ Fault on the cabling	→ Check all lines and plug-and-socket connections
		▪ Frying sensor defective	→ Replace frying sensor cooking zone
		▪ Frying sensor module defective	→ Replace frying sensor module
			📘 See operating instructions
F8	Operating time limit	▪ Cooking zone was automatically switched off after some time by the operating time limit	📘 Cooking zone can be operated again immediately Time depends on the selected cooking setting (1 to 10 hours without change to setting) See operating instructions (not a fault)
F9	PiezoControl fault	▪ Fault in data transmission between PiezoPanel and control/display module	→ Check all lines and plug-and-socket connections
			→ Replace PiezoPanel
			→ Replace control/display module

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		6 of 49

Error code	Description	Cause	Check/Remedial action/Remark
------------	-------------	-------	------------------------------

## 1.2 TouchControl error codes

ErXY	Internal TouchControl fault	<ul style="list-style-type: none"> <li>Not relevant for eliminating fault</li> </ul>	→ Replace electronics module
			<ul style="list-style-type: none"> <li>XY corresponds to the digit 00 to 99</li> <li>→ <b>Note following special cases!</b></li> </ul>

Er21 and signal	Control module overheating	<ul style="list-style-type: none"> <li>Cooking zones next to the control module on for a long time and at high power</li> </ul>	→ Leave appliance to cool down
			→ Press Sensor button to switch off acoustic signal

Er22	Sensor button fault	<ul style="list-style-type: none"> <li>Electrical connection between two sensor buttons</li> </ul>	→ Remove electronics module and test all sensor buttons (visual inspection). Reinstall electronics module correctly
		<ul style="list-style-type: none"> <li>Sensor button defective</li> </ul>	→ If there is still a fault, replace electronics module

Er25	Defective electronics connection	<ul style="list-style-type: none"> <li>Defective electronics connection</li> </ul>	→ Check connections
------	----------------------------------	--	---------------------

Er26	Relay board fault	1. Ribbon cable badly connected between Touchcontrol and relay board	→ Check whether ribbon cable is straight and firmly connected
		2. Relay board defective	→ Completely replace TouchControl

Er32	Wrong software version	<ul style="list-style-type: none"> <li>Incorrect spare part was used A 4i module was installed instead of a 2i module</li> </ul>	→ Install correct module
------	------------------------	--	--------------------------

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		7 of 49

Error code	Description	Cause	Check/Remedial action/Remark
Er38	Hall sensor fault with Twist/TipPad	▪ Operating button incorrectly positioned	→ Position operating button correctly
		▪ TipPad incorrectly operated ( <b>Tip</b> Pad rotary handle moved like <b>Twist</b> Pad rotary handle)	→ Operate TipPad correctly (tilt function) see operating instructions (not a fault)
		▪ Twist/TipPad defective	→ Disconnect appliance from power supply for 30 seconds and switch on again → If fault still not eliminated, replace Twist/TipPad
		▪ Connection between Twist/TipPad and ELIN faulty	→ Check connection
		▪ ELIN (24V power supply unit) defective	→ Replace ELIN
Er42	Power supply fault	▪ Voltage defective	→ Check power supply connection
			→ Replace electronics module
U240 U400	Overvoltage	▪ Overvoltage on the electronics module due to incorrect connection or wiring fault	⚠ Immediately disconnect appliance from the power supply
			→ Check power supply connection and wiring
No function and display when main switch actuated	Safety disconnection due to overvoltage	▪ Overvoltage on the electronics module due to incorrect connection or wiring fault	⚠ Immediately disconnect appliance from the power supply
			→ Check power supply connection and wiring
			📘 Safety disconnection protects the appliance if there is an incorrect connection

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		8 of 49



Error code	Description	Cause	Check/Remedial action/Remark
------------	-------------	-------	------------------------------

## 1.3 Induction error codes

U1	Mains voltage below 150 V or above 275 V	<ul style="list-style-type: none"> <li>Incorrect connection or wiring fault</li> </ul>	<ul style="list-style-type: none"> <li>⚠ Immediately disconnect appliance from the power supply</li> <li>→ Check power supply connection and wiring</li> </ul>
		<ul style="list-style-type: none"> <li>Undervoltage or overvoltage of the power supply</li> </ul>	<ul style="list-style-type: none"> <li>→ Measure mains voltage</li> <li>→ Check control connections between (ELIN-ELIN and Touch Control-ELIN) according to electrical diagram</li> </ul>
			<ul style="list-style-type: none"> <li>ℹ If this fault occurs, all cooking zones are switched off</li> <li>Error message goes out automatically when the mains voltage is within the permitted range again</li> <li>Indicated on the display of the induction cooking zones only</li> </ul>

U2	Inductor temperature fault (inductor-NTC)	<ul style="list-style-type: none"> <li>NTC supplies measured values which do not correspond with the expected temperature profile during operation of the inductor</li> </ul>	<ul style="list-style-type: none"> <li>→ Check NTC</li> <li>→ Check inductor and its connections</li> </ul>
		<ul style="list-style-type: none"> <li>Overtemperature of the inductor</li> </ul>	<ul style="list-style-type: none"> <li>→ Check installation and ventilation of the appliance</li> </ul>
			<ul style="list-style-type: none"> <li>ℹ If overtemperature occurs, safety disconnection of the inductor to protect the appliance</li> </ul>

U3	ELIN temperature fault (ELIN-NTC)	<ul style="list-style-type: none"> <li>Overtemperature of the ELIN (IGBT)</li> </ul>	<ul style="list-style-type: none"> <li>→ Leave appliance to cool down and implement reset</li> </ul>
			<ul style="list-style-type: none"> <li>ℹ If overtemperature occurs, safety disconnection of</li> </ul>

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		9 of 49

Error code	Description	Cause	Check/Remedial action/Remark
			the ELIN to protect the appliance

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		10 of 49
The reproduction, transmission or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights created by patent grant or registration of a utility model or design are reserved. Copyright reserved.			

Error code	Description	Cause	Check/Remedial action/Remark
U4	Cooking sensor temperature fault (cooking sensor NTC)	▪ Pan too large	→ Use correct pan
		▪ Pan is too near the cooking sensor	→ Place pan centrally on the cooking zone
		▪ Cooking sensor defective	→ Leave appliance to cool down. If there is still a fault, replace cooking sensor
d0	LIN communication fault	▪ Defective cabling (LIN bus)	→ Check line and plug-and-socket connections between the electronic components
d1	ELIN communication fault	▪ Defective cabling (16-wire cable)	→ Check line and plug-and-socket connection between ELINs
			→ Rebend pins on the plug and socket connections
d2	Superbooster relay fault	▪ Superbooster relay defective	→ This fault is always indicated in the Paella module (ELIN); the right ELIN may also be defective
			→ Replace appropriate ELIN
d3	Fan fault	▪ Defective fan cabling	→ Check line and plug-and-socket connections
		▪ Fan defective	→ Replace fan
d4	Inductor NTC interruption	▪ NTC not connected	→ Connect NTC

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		11 of 49

Error code	Description	Cause	Check/Remedial action/Remark
		▪ NTC defective	→ Replace NTC
d5	Inductor NTC short-circuit	▪ NTC defective	→ Replace NTC

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		12 of 49

Error code	Description	Cause	Check/Remedial action/Remark
d6	Cooking sensor interruption	▪ Cooking sensor not connected	→ Connect cooking sensor
		▪ Cooking sensor defective	→ Replace cooking sensor
d7	Cooking sensor short-circuit	▪ Cooking sensor defective	→ Replace cooking sensor
e0	ELIN relay fault	▪ Function of a relay defective when an induction cooking zone switched on	→ Switch appliance off and on again
			→ Reset the mains
			→ Switch on appropriate cooking zone
			→ If there is still a fault, replace appropriate ELIN
e1	ELIN measuring circuit fault	▪ Not relevant for eliminating fault	→ Measure the Voltage supply
			→ Check all the connections / wirings
			→ Replace appropriate ELIN
e2	ELIN synchronisation signal fault	▪ Not relevant for eliminating fault	→ Replace appropriate ELIN
e3	ELIN micro-controller fault	<ul style="list-style-type: none"> <li>▪ Faulty connection between Touch control and ELIN</li> <li>▪ Faulty ELIN</li> </ul>	→ Switch appliance off and on again
			→ Reset the mains
			→ Replace the wiring between Touch control and ELIN
			→ If there is still a fault, replace appropriate ELIN

Error code	Description	Cause	Check/Remedial action/Remark
e4	ELIN - ASIC communication fault	<ul style="list-style-type: none"> <li>Not relevant for eliminating fault</li> </ul>	→ Replace appropriate ELIN
e5	ELIN relay fault	<ul style="list-style-type: none"> <li>Function of a relay defective when an induction cooking zone switched on</li> </ul>	→ Switch appliance off and on again → Reset the mains → If there is still a fault, replace appropriate ELIN
e6	ELIN – IGBT inverter fault	<ul style="list-style-type: none"> <li>Defective inductor connection</li> <li>IGBT defective</li> </ul>	→ Check inductor connection → Replace appropriate ELIN
e7	ELIN – NTC fault	<ul style="list-style-type: none"> <li>Short-circuit or interruption of the NTC</li> </ul>	→ Replace appropriate ELIN
e8	ELIN current measuring circuit fault	<ul style="list-style-type: none"> <li>Not relevant for eliminating fault</li> </ul>	→ Replace appropriate ELIN
e9	FlexInduction – Relay error	<ul style="list-style-type: none"> <li>Faulty connection between ELIN and Relay module</li> <li>Relay module defect</li> <li>ELIN defect</li> </ul>	→ Reset. If there is still a fault continue diagnosis. → Check cables and plugs → Relay module exchange → ELIN exchange
e9	Multiplex – Relay error in configuration	<ul style="list-style-type: none"> <li>ELIN defect</li> </ul>	→ Switch appliance off and on again → If there is still a fault, replace appropriate ELIN

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		14 of 49

Error code	Description	Cause	Check/Remedial action/Remark
------------	-------------	-------	------------------------------

## 1.4 Gaggenau error codes

• <b>(Decimal point) on the timer display</b>	Demonstration mode (demonstration circuit)	<ul style="list-style-type: none"> <li>After initial connection appliance is in demonstration mode (is not heating)</li> </ul>	<ul style="list-style-type: none"> <li>→ <a href="#">Deactivate demonstration mode</a></li> <li>→ See operating instructions (not a fault)</li> </ul>
--	--	--	---

<b>No display or residual heat display</b>	Appliance switches off Operating time limit	<ul style="list-style-type: none"> <li>Main switch was touched by mistake</li> </ul>	→ Switch hob on again
		<ul style="list-style-type: none"> <li>Cooking zone was automatically switched off after some time by the operating time limit</li> </ul>	<ul style="list-style-type: none"> <li>→ Cooking zone can be operated immediately again</li> <li>📘 See operating instructions (not a fault)</li> </ul>

<b>H 7 (alternating)</b>	TouchControl switches back due to overheating	<ul style="list-style-type: none"> <li>TouchControl temperature above 100 °C</li> </ul>	<ul style="list-style-type: none"> <li>→ Cooking zone with heat setting higher than 7 is too hot. Cooking zone was reduced to the power of heat setting 7</li> <li>→ When H goes out, a higher setting can be selected again</li> <li>📘 See operating instructions (not a fault)</li> </ul>
--------------------------	---	---	---

<b>H</b>	TouchControl switches off due to overheating	<ul style="list-style-type: none"> <li>TouchControl temperature above 105 °C</li> </ul>	<ul style="list-style-type: none"> <li>→ Cooking zone too hot. Cooking zone has switched off</li> <li>→ Leave appliance to cool down</li> <li>→ Delete error message by pressing a sensor button</li> <li>📘 See operating instructions (not a fault)</li> </ul>
----------	--	---	---

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		15 of 49

**2 Activating service programmes**

Function	Actuation	Display	Remark
----------	-----------	---------	--------

**2.1 Activating/deactivating demonstration programme (circuit)**

<b>Hobs and hotplates (induction)</b>	Hobs and hotplates with induction do <b>not</b> have any demonstration mode (demonstration circuit).
---------------------------------------	--

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		16 of 49



Function	Actuation	Display	Remark
----------	-----------	---------	--------

Gaggenau hotplates			
--------------------	--	--	--

Activation			
Step 1	Disconnect appliance from power supply for 30 seconds and switch on again	Not significant	
Step 2 (within 3 minutes)	Switch on the main switch	As in normal mode	Timer must be off
	➤ Press symbol “A” and hold down		
	➤ Press main switch (within 3 seconds)	Signal sounds	
	Release symbol “A”	Signal sounds Dot on Timer display is lit	

Deactivation			
Step 1	Disconnect appliance from power supply for 30 seconds and switch on again	Not significant	
Step 2 (within 3 minutes)	Switch on the main switch	As in demonstration mode (dot on Timer display is lit)	Timer must be off
	➤ Press symbol “+” and hold down		
	➤ Press main switch (within 3 seconds)	Signal sounds	
	Release symbol “+”	Signal sounds Dot on Timer display goes out	

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		17 of 49

Function	Actuation	Display	Remark
----------	-----------	---------	--------

## 2.2 Activating/deactivating Standard settings menu

<b>To do</b>			
<b>Requirement:</b>	Appliance is switched off		Appliance is in standby mode

<b>To Do hotplate</b>			
Step 1	Switch on appliance with <b>main switch</b>	As in normal mode	
Step 2	Within 10 seconds touch <b>Sensor button</b> (see <a href="#">Table</a> ) for four seconds	<b>c1</b>	Standard settings menu activated

<b>To Do hob</b>			
Step 1	Set cooking zone 1 to "1"		
Step 2	Within 10 seconds touch <b>Sensor button</b> (see <a href="#">Table</a> ) for four seconds	<b>c1</b>	Standard settings menu activated

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		18 of 49

Function	Actuation	Display	Remark
----------	-----------	---------	--------

## Activation and selection buttons

Appliance	+ Brand	+ Electronics module	= Activation/Selection button	= Selection button	
Hotplate	Balay	BasicTouch	YL197	Zone connection button/childproof lock button	Minus/Plus button cooking zone 4 for 4 cooking zones Minus/Plus button cooking zone 3 for 3 cooking zones
		BasicTouch	YL202	Zone connection button/childproof lock button	Minus/Plus button cooking zone 2 for 4 cooking zones Minus/Plus button cooking zone 1 for 3 cooking zones
		PreciseSelect	YL180	Timer button	Timer Minus/Plus button
		SuperQuattro	YL196	Zone connection button/childproof lock button	Minus/Plus button
	Bosch	BasicTouch	YL202	Zone connection button/childproof lock button	Minus/Plus button cooking zone 2 for 4 cooking zones Minus/Plus button cooking zone 1 for 3 cooking zones
		MetalTouch	YL205	Timer button	Buttons for all cooking settings, depending on menu
		PreciseSelect	YL180	Timer button	Buttons for all cooking settings, depending on menu
		SuperQuattro	YL196	Zone connection button/childproof lock button	Minus/Plus button
	Constructa	BasicTouch	YL202	Zone connection button/childproof lock button	Minus/Plus button cooking zone 2 for 4 cooking zones Minus/Plus button cooking zone 1 for 3 cooking zones
		SuperQuattro	YL196	Zone connection button/childproof lock button	Minus/Plus button
	Gaggenau	KomfortTouch	YL201	Boiling button	Menu buttons light up
		TwistPad	YL203	Boiling button	Knob
	Lynx	SuperQuattro	YL196	Zone connection button/childproof lock button	Minus/Plus button
	Neff	DigiSelect con timer	YL188	Timer button	Minus/Plus button

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		19 of 49

Function		Actuation		Display		Remark
		DigiSelect sin timer	YL188	Zone connection button	Minus/Plus button	
		MetalTouch	YL206	Timer button	Minus/Plus button	
		TwistPad con timer	YL189	Timer button	Knob	
	<b>Nobilia</b>	BasicTouch	YL202	Zone connection button/childproof lock button	Minus/Plus button cooking zone 2 for 4 cooking zones Minus/Plus button cooking zone 1 for 3 cooking zones	
	<b>Pitsos</b>	BasicTouch	YL197	Zone connection button/childproof lock button	Minus/Plus button cooking zone 4 for 4 cooking zones Minus/Plus button cooking zone 3 for 3 cooking zones	
		PreciseSelect	YL180	Timer button	Timer Minus/Plus button	
		SuperQuattro	YL196	Zone connection button/childproof lock button	Minus/Plus button	
	<b>Siemens</b>	BasicTouch	YL202	Zone connection button/childproof lock button	Minus/Plus button cooking zone 2 for 4 cooking zones Minus/Plus button cooking zone 1 for 3 cooking zones	
		MetalTouch	YL204	Timer button	Slider	
		MonoSlider	YL190	Timer button	Slider	
		MultiSlider	YL218/9	Each Timer button	Each slider	
		SuperQuattro	YL196	Zone connection button/childproof lock button	Minus/Plus button	
	<b>Thermador</b>	TouchControl	YL192	Panel Lock button	+,-,0,1,...	
	<b>Viva</b>	SuperQuattro	YL196	Zone connection button/childproof lock button	Minus/Plus button	

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		20 of 49

Function	Actuation	Display	Remark
----------	-----------	---------	--------

Appliance	+ Brand	+ Electronics module	= Activation/Selection button	= Selection button	
Domino	Balay	DominoTouch	YL213	Childproof lock button	Minus/Plus button cooking zone 2 for 2 cooking zones Minus/Plus button cooking zone 1 for 1 cooking zones
	Bosch	DominoTouch	YL199	Timer button	Buttons for all cooking settings, depending on menu
	Neff	DominoTouch	YL199	Childproof lock button	Minus/Plus button
	Siemens	DominoSlider	YL207	Timer button	Slider

Appliance	+ Brand	+ Electronics module	= Activation/Selection button	= Selection button	
Hotplate	Bosch	BasicTouch	YL202	Zone connection button/childproof lock button	Minus button cooking zone 1/Plus button cooking zone 4
	Siemens	BasicTouch	YL202	Zone connection button/childproof lock button	Minus button cooking zone 1/Plus button cooking zone 4
		MonoSlider with timer	YL190	Timer button	Zone connection button cooking zone 4/frying sensor button
		MonoSlider without timer	YL190	Zone connection button cooking zone 2	Zone connection button cooking zone 4/frying sensor button

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		21 of 49


Function	Actuation	Display	Remark
<b>Exit with save</b>			
Hotplates	Press <b>Sensor button</b> (see <a href="#">Table</a> ) for four seconds	<b>cN + 1</b> for 4 seconds	Appliance in normal mode
Hobs	Press <b>Sensor button</b> (see <a href="#">Table</a> ) for four seconds	<b>cN + 1</b> for 4 seconds	Appliance in normal mode
<b>Exit without save</b>			
Hotplates	Press the <b>main switch</b>		Appliance is in standby mode
Hobs	Turn all rotary knobs to the zero position		Appliance is in standby mode

[Functions of the basic settings \(customer settings\)](#)

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		22 of 49
The reproduction, transmission or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights created by patent grant or registration of a utility model or design are reserved. Copyright reserved.			

Function	Actuation	Display	Remark
----------	-----------	---------	--------

### 2.3 Activating/deactivating customer service test programme

<b>To do</b>	
<b>Step 1:</b>	Selection of the activation buttons
	<p>The test programme is always activated by a combination of two buttons (X and Y). The button combination of X and Y depends on:</p> <p>A. Appliance      Hotplate, Domino or hob  B. Brand:          Balay, Bosch, Constructa, Gaggenau, Lynx, Neff, Nobilia, Pitsos, Siemens, Thermador, Viva  C. Electronics:    Designation (BasicTouch, PreciseSelect, SuperQuattro, etc.) or type (YL197, YL180, YL196, etc.)</p> <p>Find required button combination of X and Y in the following <a href="#">tables</a> and, if required, note down</p>

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		23 of 49

Function	Actuation	Display	Remark
----------	-----------	---------	--------

Button combination of **X** and **Y**

Appliance	+ Brand	+ Electronics module		= button combination of <b>X</b> and <b>Y</b>	
		Designation	Type	Button <b>X</b>	Button <b>Y</b>
Hotplate	Balay	BasicTouch	YL197	Minus button cooking zone 3	Main switch
		BasicTouch	YL202	Minus button cooking zone 3	
		PreciseSelect	YL180	Selection button cooking zone 3	
		SuperQuattro	YL196	Selection button	
	Bosch	BasicTouch	YL202	Minus button cooking zone 3	
		MetalTouch	YL205	Selection button cooking zone 3	
		PreciseSelect	YL180	Selection button cooking zone 3	
		SuperQuattro	YL196	Selection button	
	Constructa	BasicTouch	YL202	Minus button cooking zone 3	
		SuperQuattro	YL196	Selection button	
	Gaggenau	KomfortTouch	YL201	Selection button cooking zone 3	
		TwistPad	YL203	Selection button cooking zone 3	
	Lynx	SuperQuattro	YL196	Selection button	
	Neff	DigiSelect	YL188	Selection button cooking zone 3	
		MetalTouch	YL206	Selection button cooking zone 3	
		TipPad	YL189	Selection button cooking zone 3	
	Nobilis	BasicTouch	YL202	Minus button cooking zone 3	
	Pitsos	BasicTouch	YL197	Minus button cooking zone 3	
		PreciseSelect	YL180	Selection button cooking zone 3	

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		24 of 49



Function	Actuation	Display	Remark
	SuperQuattro	YL196	Selection button

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		25 of 49

Function	Actuation	Display	Remark
----------	-----------	---------	--------

Hotplate	Siemens	BasicTouch	YL202	Minus button cooking zone 3	Main switch
		MetalTouch	YL204	Selection button cooking zone 3	
		MonoSlider	YL190	Selection button cooking zone 3	
		MultiSlider	YL218/9	Timer button on left of main switch	
		SuperQuattro	YL196	Selection button	
	Thermador	TouchControl	YL192	Selection button cooking zone 3	
	Viva	SuperQuattro	YL196	Selection button	

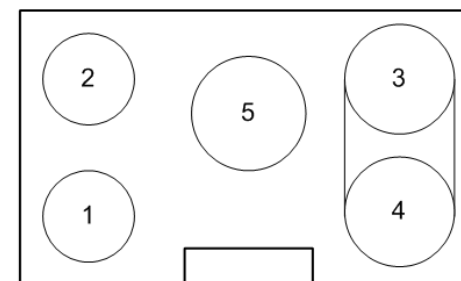
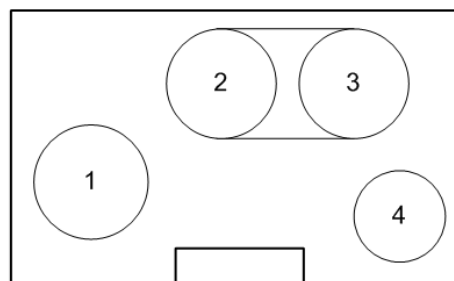
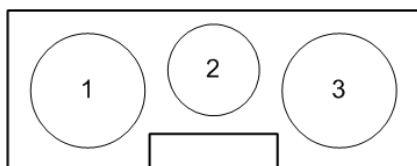
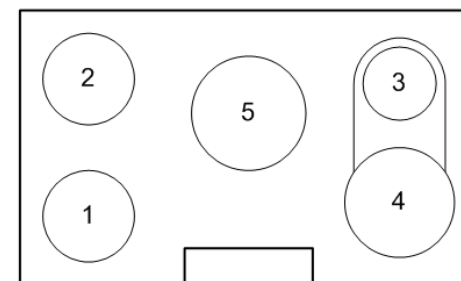
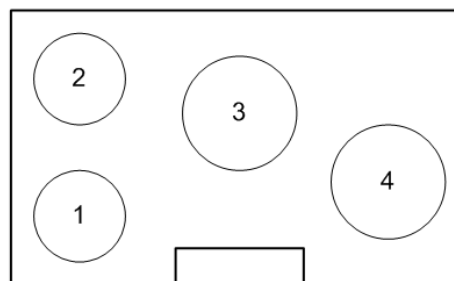
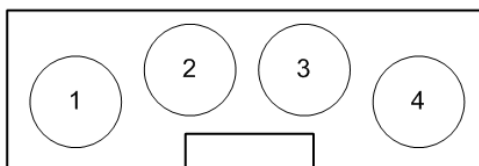
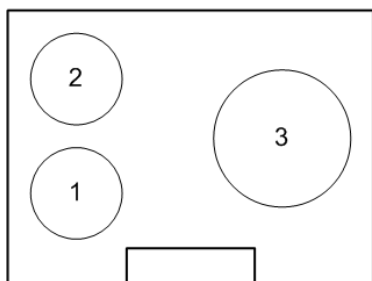
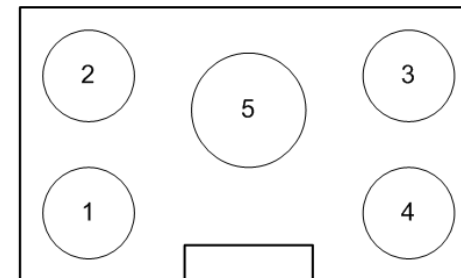
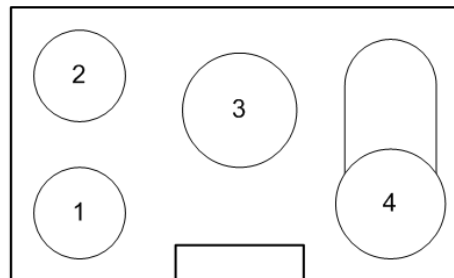
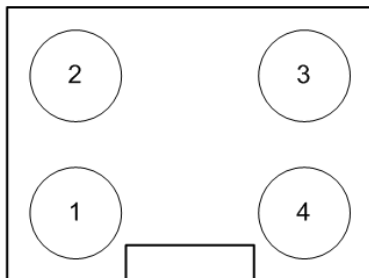
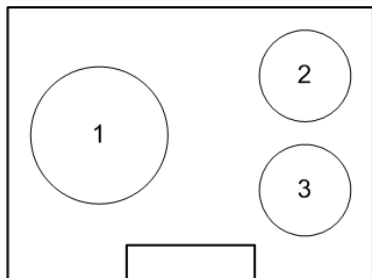
Appliance	+ Brand	+ Electronics module		= button combination of X and Y	
Domino	Balay	DominoTouch	YL213	Rightmost sensor button	Main switch
	Bosch	DominoTouch	YL199	Rightmost sensor button	
	Neff	DominoTouch	YL199	Rightmost sensor button	
	Siemens	DominoSlider	YL207	Right end of the slider (Pos. 9)	

Appliance	+ Brand	+ Electronics module		= button combination of X and Y	
Hotplate	Bosch	BasicTouch	YL202	Plus button cooking zone 4	Minus button cooking zone 1
	Siemens	BasicTouch	YL202	Plus button cooking zone 4	
		MonoSlider	YL190	Selection button cooking zone 4	Childproof lock button




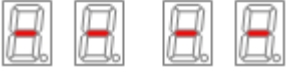
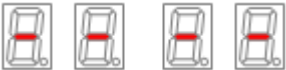
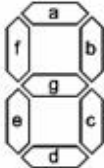

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		26 of 49

Function	Actuation	Display	Remark
----------	-----------	---------	--------

**Step 2:** Choose required buttons on control panel (possibly not labelled, but only visible after appliance switched on)



BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		27 of 49

Function	Actuation	Display	Remark
<b>Step 3:</b>	Disconnect appliance from power supply for at least <b>60 seconds</b> and switch on again  The test programme can be activated (as often as required) only within the first <b>60 minutes</b> after the power supply has been disconnected.		
<b>Step 4:</b>	Switch on the appliance and disconnect it again	 <p><b>Example of displays</b> (here 7-segment display arranged next to each other / with active residual heat display)</p>	Appliance is in standby mode
<b>Step 5:</b>	Press and hold down button <b>X</b>		Definition of button <b>X</b> (see further up)
<b>Step 6:</b>	Press and hold down button <b>Y</b>	 <p>g segments of the display light up briefly</p>	Definition of button <b>Y</b> (see further up)
<b>Step 7:</b>	Release button <b>X</b> within 1 second	 <p>g segments of the display light up again briefly</p>	Designation of the segments 
<b>Step 8:</b>	Press button <b>X</b> again within 1 second		Appliance is in the customer service test programme
<b>Exit:</b>	Test programme is automatically left after 120 seconds if there has been no input (exception P8) → Standby mode customer service test programme is also left after the functions P0, P2, P8 and P9 have run → Standby mode		


[\(Functions of the customer service test programme \(if not known – see further down\)\)](#)

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		28 of 49


### 3 Functions of the service programmes

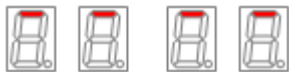


Function	Actuation	Display	Remark
----------	-----------	---------	--------

#### 3.1 Functions of the customer service test programme

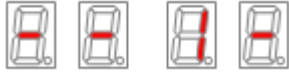
<b>Requirement:</b>	Customer service test programme is activated		
Select functions	<b>Hotplates:</b> Press <b>main switch</b> once or several times <b>Hobs:</b> Press <b>childproof lock</b> once or several times	P0 – P1 – P2 etc.	Functions are advanced in an endless loop
P0 End test programme			
	<b>Hotplates:</b> Press any button <b>except main switch</b> <b>Hobs:</b> Press any button <b>except childproof lock</b>	-none-	Appliance switches to standby mode

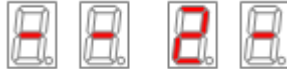
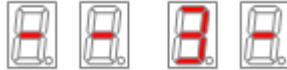
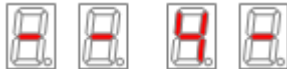

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		29 of 49


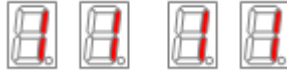
Function	Actuation	Display	Remark
P1 Sensor button test, display and buzzer test			
<b>Information:</b>	If the Sensor button test was successful, the display and buzzer test starts automatically If appliances feature Twist-/TipPad, Slider or MetalTouch, these components are tested as part of the sensor button test		
<b>Requirement:</b>	If appliance features Twist/TipPad, the toggle switch must be in the normal position		

P1 Sensor button test	<b>Hotplates:</b> Press any button <b>except main switch</b> <b>Hobs:</b> Press any button <b>except childproof lock</b>	 a segments of the display light up	Quiescent values of the sensor buttons are measured Signals of the Hall sensors (for Twist/TipPad) are measured
	Do <b>not</b> press sensor buttons for two seconds	 g segments of the display light up	g segments of the display light up if the quiescent values and signals are correct
Stop sensor button test [h8] (not possible for Thermador)	Simultaneously press two sensor buttons (see remark on right)		<b>Hotplates:</b> <b>Main switch</b> and first sensor button to right of it <b>Hobs:</b> First two sensor buttons on left side
Run sensor button test	Press a sensor button	Result is indicated on the display (see below)	Sensitivity of the sensor button is tested
	Press next sensor button ... and so on	Result is indicated again on the display (see below)	
Display during the sensor button test		 Sensor button in working order	

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		30 of 49





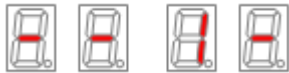
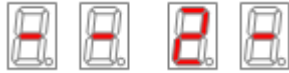
Function	Actuation	Display	Remark
		 <p data-bbox="1095 301 1556 331">Sensor button not sensitive enough</p>	<p data-bbox="1621 213 2152 276">Sensor button test for this sensor button can be repeated</p> <p data-bbox="1621 280 2128 343">Sensor button test for the other sensor buttons can be continued</p>

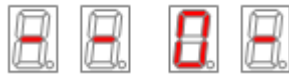
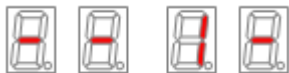




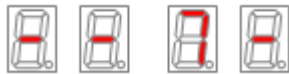
Function	Actuation	Display	Remark
		 Sensor button too sensitive	Sensor button test for this sensor button <b>cannot</b> be repeated (result always stays as 2). Sensor button test for the other sensor buttons can be continued
		 Sensor button outside the tolerance	
		 Main switch is defective	Only one path of the main switch in working order
		 Several sensor buttons pressed simultaneously	Signal cannot be assigned
<b>Information:</b>	If the sensor button test was not successful, it is ended after 3 seconds		

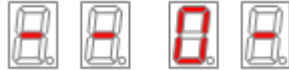
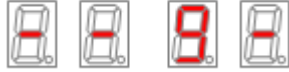
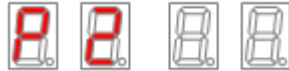
<b>P1</b> Twist/TipPad test	Remove toggle switch from the appliance	Result is indicated on the display (see below)	Signals of the Hall sensors are measured
		 Signal correct	
		 Signal too low	

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		32 of 49





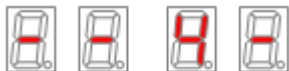

Function	Actuation	Display	Remark
		 Signal too high	
		 Signal is different for calibration	<a href="#">Calibrating TwistPad</a> <a href="#">Calibrating TipPad</a>
		 TouchControl has still not been calibrated	
	Move or tilt toggle switch in all designated directions	Result is indicated on the display (see below)	
		 Signal correct	
		 Signal too low	
		 Signal too high	
	Rotate toggle switch 360° or 420° clockwise	The time display indicates 11 – 22 – 33 – 44 – 55 – 66 (multiples of 11)	If 66 is not reached when the toggle switch is rotated by 360° or 420°, there is a problem with the rotation detection of the toggle switch
	Rotate toggle switch a further 60°	-- is displayed	Twist/TipPad test was successful

Function	Actuation	Display	Remark
P1 Slider test	Actuate slider from left to right (begin outside the slider range and end outside the slider range)	Result is indicated on the display (see below)	Each sensor button is actuated with a 10 mm test finger from left to right
Display during the slider test		 Sensor button in working order	Test result is displayed for two seconds
		 Sensor button not sensitive enough	Sensor test for this sensor button can be repeated Sensor button test for the other sensor buttons can be continued
		 Sensor button too sensitive	Sensor test for this sensor button cannot be repeated (result always stays as 2) Sensor button test for the other sensor buttons can be continued
		 Sensor button outside the tolerance	
		 Adjacent sensor buttons too different	
		 Contact between two sensor buttons	
		 Test run too quickly	No correct signals could be detected. Run test more slowly


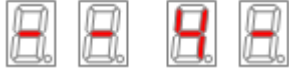
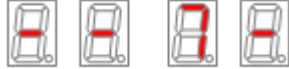
Function	Actuation	Display	Remark
<b>P1</b> MetalTouch sensor/slider test	See sensor button test	Result is indicated on the display (see below)	The digital signals of the Piezo sensors are transferred to the control via the LIN bus The MetalTouch slider YL204 consists of individual Piezo sensors and is therefore tested the same as a sensor button
Display during the MetalTouch sensor/slider test		 <p>Signal correct</p>	
		 <p>Signal defective</p>	Two buttons were pressed simultaneously
<b>P1</b> Display and buzzer test	None (If the previous tests were successful, the display and buzzer test is started automatically)	The buzzer sounds for 2 seconds All elements are lit for 10 seconds	Display as before the start of the sensor button test Other functions can be selected
<b>P2</b> Restore basic setting			

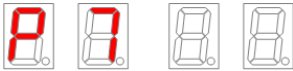



BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		35 of 49
The reproduction, transmission or use of this document or its contents is not permitted without express written authority. Offenders will be liable for damages. All rights created by patent grant or registration of a utility model or design are reserved. Copyright reserved.			

Function	Actuation	Display	Remark
	<p><b>Hotplates:</b> Press any button <b>except main switch</b></p> <p><b>Hobs:</b> Press any button <b>except childproof lock</b></p>	 <p>is displayed for 2 seconds</p>	<p>Standard setting is restored:</p> <ul style="list-style-type: none"> <li>▪ Fictitious residual heat display "H/h" deleted</li> <li>▪ Memory function data deleted/reset</li> <li>▪ "Signal Off" not set</li> <li>▪ "Reduced childproof lock time" not set</li> <li>▪ "Childproof lock" not activated</li> </ul> <p>Appliance switches to standby mode</p>




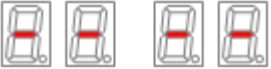
Function	Actuation	Display	Remark
<b>P5</b> Calibrate cooking sensor	<b>This function is not indicated unless the appliance features a cooking sensor</b> Each cooking sensor can be calibrated separately		
			
	Select cooking sensor cooking zone	 Current calibration value is displayed (example)	
	Press +/- or 1-9 or slider or rotate toggle switch	 New calibration value is displayed (example)	Acknowledgement signal sounds New calibration value is saved
	Select another cooking sensor cooking zone if required / available	Current calibration value of the next cooking zone is displayed	etc.
	<b>Hotplates:</b> Actuate <b>main switch</b> <b>Hobs:</b> Actuate <b>childproof lock</b>		Signal sounds New calibration value is saved

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		37 of 49


Function	Actuation	Display	Remark
<b>P6</b> Calibrate frying sensor	<b>This function is not indicated unless the appliance features a frying sensor</b> Each frying sensor can be calibrated separately		
			
	Select frying sensor cooking zone	 Current calibration value is displayed (example)	
	Press +/- or 1-9 or slider or rotate toggle switch	 New calibration value is displayed (example)	
	Select another frying sensor cooking zone if required/available	Current calibration value of the next cooking zone is displayed	etc.
	<b>Hotplates:</b> Actuate <i>main switch</i> <b>Hobs:</b> Actuate <i>childproof lock</i>		Signal sounds New calibration value is saved

Function	Actuation	Display	Remark
P7 Output parameters	Some diagnostic and fault or status functions are saved and can be read out		Parameters can be read out by pressing the sensor buttons Display is indicated for as long as the sensor button is pressed or the heating zone is selected
Definition of the sensor buttons	The leftmost main switch is not considered. The first sensor button is situated on the right of the main switch. The second sensor button is situated on the right of the first sensor button, etc. In the case of Twist/TipPad the selection functions of the cooking zones after the sensor buttons on the left of the operating button are used as fictitious sensor buttons via the operating button In the case of TouchControl with only three sensor buttons (main switch is not considered) two sensor buttons must be pressed simultaneously as fictitious fourth, fifth and sixth sensor button: fourth sensor button = first + second sensor button fifth sensor button = first + third sensor button sixth sensor button = second + third sensor button In the case of Domino TouchControl the information is displayed alternately as two digits on the timer display (example: S1.04 → "S1." and "04")		
Software version	Press 1 <sup>st</sup> sensor button		Software version for example S1.04
Number of wrong connections	Press 2 <sup>nd</sup> sensor button		Number of wrong connections (400V)
Maximum intrinsic temperature	Press 3 <sup>rd</sup> sensor button		Maximum intrinsic temperature of the TouchControl (see <b>Appendix</b> )



BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		39 of 49

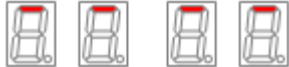
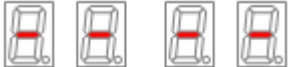

Function	Actuation	Display	Remark
Operating hours counter	Press 4 <sup>th</sup> sensor button		Number of displayed digits: – Six digits for Comfort TouchControl/TwistPad/TipPad – Four digits for Basic-TouchControl – Three digits for TouchControl for three cooking zones
Hardware version	Press 5 <sup>th</sup> sensor button		Example: <b>P</b> art 112 (part 112)
Number of switch-ons	Press 6 <sup>th</sup> sensor button		Number of settings (here 21)
Reserve	Press 7 <sup>th</sup> sensor button		In the case of TouchControl for three cooking zones with only six sensor buttons the first and second sensor buttons (except the main switch) must be pressed
	<b>Hotplates:</b> Actuate <b>main switch</b> <b>Hobs:</b> Actuate <b>childproof lock</b>	<b>P8</b> is displayed	Continue to next function




Function	Actuation	Display	Remark
<b>P8</b> Endurance test	Function <b>P8</b> : <b>Is not relevant to customer service for repairs (for information only) and can be skipped</b> The endurance test is used for quality inspection (no time limit)		
	Press plus sensor button of heating zone 1 or select heating zone 1 (in the case of Siemens Domino actuate slider)	 Endurance test is running	The endurance test can be activated only within the first <b>two</b> minutes after the power supply has been disconnected
	The zone connections can be switched on and off via the corresponding connection buttons	Dots flash during the entire endurance test Current power setting is displayed If power setting = 0 → residual heat display is displayed	The test consists of 1 to 256 cycles. Each cycle consists of six steps. Each step has a heat setting, a run time for each heat setting and a status which can be used to switch on one or two connection zones. There are eight defined heat settings. The customer service interface can be used to change the parameters of the endurance test. The knob and all other buttons (except main switch and zone connectors) have no function during the endurance test
Exit	Press the <b>main switch</b> Reset the mains Ends automatically when the endurance test has run	If there is a switch to standby mode, the residual heat display is displayed	

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		41 of 49

Function	Actuation	Display	Remark
<b>P9</b> Deactivate operating time limit	Function <b>P9</b> : <b>Is not relevant to customer service for repairs (for information only) and can be skipped</b>		
			
	<b>Hotplates:</b> Press any button <b>except main switch</b> <b>Hobs:</b> Press any button except <b>childproof lock</b>	 is displayed for 3 seconds	Customer service test programme is ended and appliance switches to standby mode
		Childproof lock LED/symbol is lit In the case of YL199 and YL207 dots flash on the timer display, as there is no childproof lock function here	
Normal mode without operating time limit	As in normal mode	Childproof lock LED/symbol is lit In the case of YL199 and YL207 dots flash on the timer display, as there is no childproof lock function here	
Activate operating time limit	Touch <b>main switch</b> or disconnect the appliance from the power supply for at least 60 seconds and then reconnect	Childproof lock LED and dots are no longer lit	Appliance is in standby mode Operating time limit is re-activated

Function	Actuation	Display	Remark
PA Detailed sensor button test	Function PA: <ul style="list-style-type: none"> <li>▪ <b>Is not relevant to customer service for repairs (for information only) and can be skipped</b></li> <li>▪ is not available for MetalTouch</li> <li>▪ shows more details via the sensor buttons than function P1</li> <li>▪ Sequence is the same as for function P1</li> </ul>	PA is displayed	
	<b>Hotplates:</b> Press any button <b>except main switch</b> <b>Hobs:</b> Press any button except <b>childproof lock</b>	 a segments of the display light up	Quiescent values of the sensor buttons are measured
	Do <b>not</b> press sensor buttons now for 2 seconds		
		 g segments of the display light up	g segments of the display light up if the quiescent values are correct
Sensor button test	Press a sensor button	 Result is indicated on the display (example)	Actuation value of the sensor button is measured The first digit on the display indicates the same as in function P1 The second digit on the display indicates a <b>d</b> for <b>digital</b> value The third and fourth digits indicate the internal digital value
	Press next sensor button ... and so on	Result is indicated again on the display	When all sensor buttons have been measured and are in working order, the sensor test is ended

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		43 of 49

Function	Actuation	Display	Remark
Slider test	Actuate slider	 <p data-bbox="1111 386 1541 450">Result is indicated on the display (example)</p>	<p data-bbox="1621 264 2159 360">Actuation value of the slider is measured The first digit on the display indicates the same as in function <b>P1</b></p> <p data-bbox="1621 363 2159 430">The second digit on the display indicates a <b>P</b> for <b>P</b>osition of the finger</p> <p data-bbox="1621 434 2159 497">The third and fourth digits indicate the internal digital value of the finger position</p>

Function	Actuation	Display	Remark
----------	-----------	---------	--------

### 3.2 Functions of the basic settings (customer settings)

<b>Requirement:</b> Basic setting is activated			
Selection of the basic settings	<b>Appliances with timer:</b> Press <b>timer button</b> <b>Appliances with timer:</b> See operating instructions <b>Hobs without timer and with cooking/frying sensor:</b> See operating instructions	c1 – c2 – etc. to c0	Functions are advanced in an endless loop  Functions start with <b>c1</b> and end with <b>c0</b>

<b>c0</b> Restore basic setting	Set required value in the setting range	0 1	Switched off Switched on
------------------------------------	---	--------	-----------------------------

<b>c1</b> Automatic childproof lock	Set required value in the setting range	0 1	Switched off (*) Switched on
--	---	--------	---------------------------------

<b>c2</b> Acoustic signal	Set required value in the setting range	0 1 2	Acknowledgement and faulty operation signals switched off Faulty operation signal switched off Acknowledgement and faulty operation signals switched on (*)
------------------------------	---	-------------	---

<b>c3</b> Calibrate frying sensor	Set required value in the setting range	1 9	Minimum calibration value Maximum calibration value
--------------------------------------	---	--------	--

<b>c4</b> Calibrate cooking sensor	Set required value in the setting range	1 9	Minimum calibration value Maximum calibration value
---------------------------------------	---	--------	--

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		45 of 49

Function	Actuation	Display	Remark
<b>c5</b> Automatic timer	Set required value in the setting range	0 1–99	Switched off (*) Duration after which the cooking zones switch off
<b>c5</b> Reduce operating time limit (Balay)	Set required value in the setting range	0 1 2	1.00 up to 10 hours 0.50 up to 5.0 hours (halved) 0.25 up to 2.5 hours (quartered)
<b>c6</b> Duration of the timer end signal	Set required value in the setting range	1 2 3	10 seconds (*) 30 seconds 60 seconds
<b>c7</b> Connection of the heating circuits ( <b>radiation</b> )	Set required value in the setting range	0 1 2	Switched off Switched on Last setting before the heating zone is switched off (*)
<b>c7</b> Power manager (induction)	Set required value in the setting range	0 1 9	Switched off Minimum power limit Maximum power limit
<b>c8</b> <b>Emergency operation</b>	Set required value in the setting range	0 1	Emergency operation not possible Emergency operation possible
<b>c9</b> Selection time of the hotplate	Set required value in the setting range	0 1	Unlimited (*) Limited

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		46 of 49

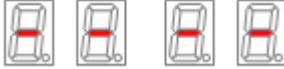
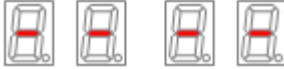
Function	Actuation	Display	Remark
----------	-----------	---------	--------

### 3.3 Calibrating TwistPad

**Requirement:** Appliance in standby mode

**Requirement:** Toggle switch in normal position

**Requirement:** Calibration occurs within the first 60 minutes after the power supply has been disconnected (disconnect power supply for at least 60 seconds)

<b>Step 1:</b>	Press and hold down <b>automatic programme</b>		
<b>Step 2:</b>	Press and hold down <b>main switch</b>	 g segments of the display light up briefly	
<b>Step 3:</b>	Release <b>automatic programme</b> within one second	 g segments of the display light up <b>again</b> briefly	
<b>Step 4:</b>	Press <b>automatic programme</b> again within one second	Signal sounds	
<b>Step 5:</b>	Quickly remove toggle switch vertically	Triple signal sounds	
<b>Step 6:</b>	Move toggle switch back to normal position		

<b>Result:</b>			TwistPad is calibrated
----------------	--	--	------------------------

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		47 of 49

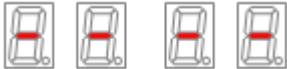
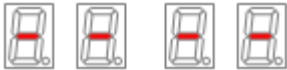
Function	Actuation	Display	Remark
----------	-----------	---------	--------

### 3.4 Calibrating TipPad

**Requirement:** Appliance in standby mode

**Requirement:** Toggle switch in normal position

**Requirement:** Calibration occurs within the first 60 minutes after the power supply has been disconnected (disconnect power supply for at least 60 seconds)

<b>Step 1:</b>	Press and hold down <b>zone connection</b>		
<b>Step 2:</b>	Press and hold down <b>main switch</b>	 g segments of the display light up briefly	
<b>Step 3:</b>	Release <b>zone connection</b> within one second	 g segments of the display light up <b>again</b> briefly	
<b>Step 4:</b>	Press <b>zone connection</b> again within one second	Signal sounds	
<b>Step 5:</b>	Quickly remove toggle switch vertically	Triple signal sounds	
<b>Step 6:</b>	Move toggle switch back to normal position		

<b>Result:</b>			TipPad is calibrated
----------------	--	--	----------------------

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		48 of 49



Function	Actuation	Display	Remark
----------	-----------	---------	--------

## 3.5 Appendix

Conversion table maximum intrinsic temperature TouchControl	
3-digit	Temperature [°C]
071	20
093	30
117	40
139	50
159	60
178	70
193	80
206	90
211	95
216	100
220	105
224	110

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 58300000161236_asp_en	Revision F	Sheet-No.
Error Codes and Service Programmes IH5-I (Interhob 5), Multiplex and Flexinduction	Material-No.: 9000442656		49 of 49