

1 FAULT-CODES AND APPLIANCE MESSAGES

1.1 Fault-Codes (ordered)

Error 7 – 18

Error 19 – 31

Error 34 – 49

Error 50 – 67

Error 71 - 82

2 SERVICE-PROGRAMS

2.1 Customer service test program

Activate test mode

Select test program

Start/Restart test program

Abort test program

Leave test mode

2.2 Stored error codes / Error search

Activate error search mode

Display of 1st error

Display of 1st – 5th error

Leave error search mode

3 FUNCTIONS OF SERVICE-PROGRAMS

3.1 Customer service test program

1 Automatic test

2 Fans test

3 Motor

4 Valves

5 Pump

6 Heater

7 Pressure sensor adjustment

9 Flow rate sensor

12 Heater (dryer)

13 Display

4 VARIANT CODING

4.1 Variant coding PU

Activate PU variant coding mode

Select variant used by PU

Leave PU variant coding mode

1 Setting machine device class

2 Setting speed variant

3 Setting Aqua stop / warm water variant

4 Setting water valve variant

5 Setting door lock variant

6 Setting flow sensor variant

7 Setting turbidity sensor variant

8 Setting 3D sensor variant

9 Setting foam wash sensor variant

10 Setting dosage system

11 Setting VT set

4.2 Variant coding OU

Activate OU variant coding mode

Select variant used by OU

Leave PU variant coding mode

1 Setting acoustic feedback

2 Setting brand

3 Setting child proof

4 Setting load display

5 Setting panel colour

6 Setting sales area

7 Setting overdosage

8 Setting key variant

9 Setting menu variant

18

18 Explanation:

18 Key w/o LED.....

18-19 Key with LED.....

19

19

20 Program selector.....

20

21

21 LED Start / Pause illuminate.....

21 LED Start / Pause is flashing.....

22 LED Start / Pause is off.....

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22 Press key.....

22

23 Turn program selector to pos.9

23 while key is pressed.....

23-24 Leave key.....

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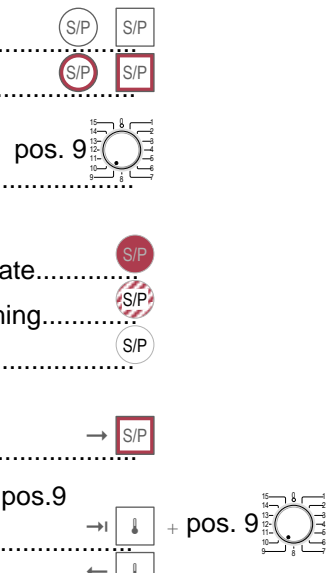
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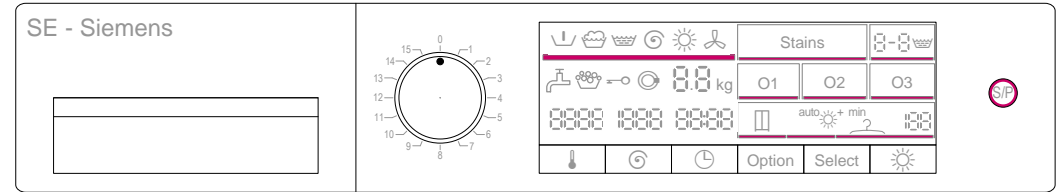
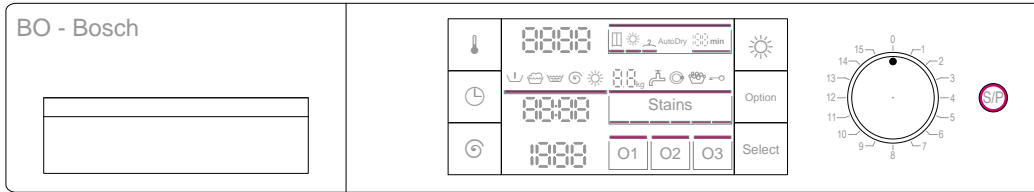
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1 FAULT CODES AND APPLIANCE MESSAGES

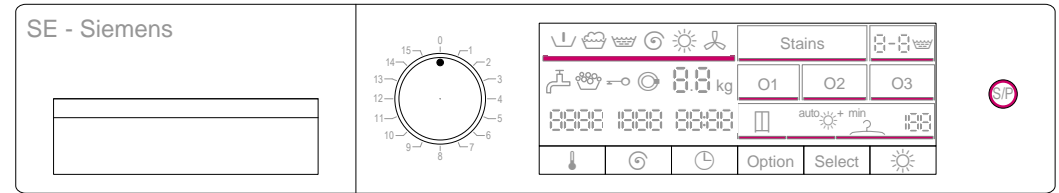
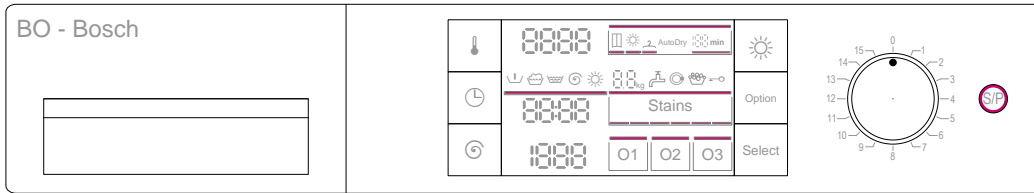
Display		Description	Possible Cause	Check / Remedial action / Remark
F.No	Normal- Test mode	Possible effect		

1.1 Fault codes (in ascending order)

FATAL ERROR sequence: a) washing or drying program aborted
 b) door is locked possibly
 c) operator control actions are blocked
 d) display is frozen
 e) pump is activated possibly

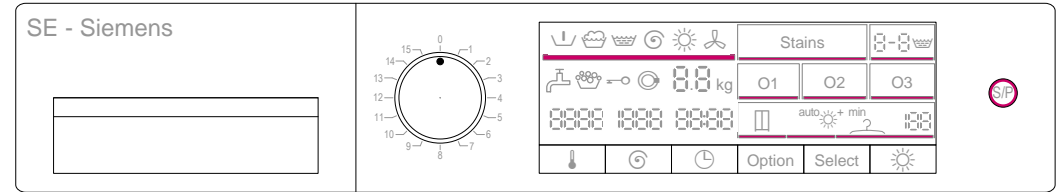
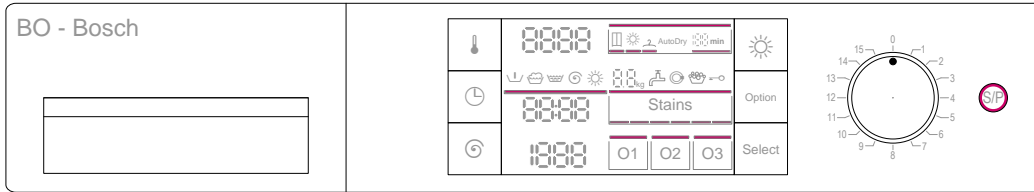
7		E:07	Condenser outlet NTC error - FATAL ERROR (a, b, c, d)	- Condenser outlet NTC broken or short circuit	- check condenser outlet NTC - and drying unit wire harness
8		E:08	Condenser inlet NTC error - FATAL ERROR (a, b, c, d)	- Condenser inlet NTC broken or short circuit	- check condenser inlet NTC - and drying unit wire harness
9	E:09	E:09	Drying tunnel outlet NTC error - FATAL ERROR (a, b, c, d)	- Drying tunnel outlet NTC broken or short circuit	- check drying tunnel outlet NTC - and drying unit wire harness
16		E:16	Door lock is not closed - washing program is halted - a restart is possible - error will not be stored	- door is open - door switch is not actuated	- close door - check door lock, check wire harness Normal mode: start any washing program with an open door
17		E:17	Water filling time exceeded (conventional measurement) - washing program is halted - pump starts after 5 min - a restart is possible	- water tap is closed - water pressure <1bar at supply - filter or supply is blocked - solenoid valve / aqua stop valve is broken - pressure sensor is broken	- open water tap - check components, wire harness Pos. 7 Water level (Pressure sensor) Pos. 4 Valves
18	E:18	E:18	Pumping time exceeded - FATAL ERROR (a, b, c, d)	- pump is blocked or broken - pressure sensor is broken - hose to the pressure sensor is blocked - draining hose is blocked	- switch ON/OFF for reset - check components, wire harness Pos. 5 Pump

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.:
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		2 of 27



Display			Description Possible effect	Possible Cause	Check / Remedial action / Remark
F.No	Normal-	Test mode			
FATAL / REMANENT ERROR sequence:			a) washing or drying program aborted b) door is locked possibly c) operator control actions are blocked	d) display is frozen e) pump is activated possibly	Reset REMANENT ERROR: "Safe state flag" must be set
19		E:19	heating time exceeded - washing program will be finished without heating	- heating circuit is broken - set temperature can not be achieved - low voltage - fossil heater or heater is broken - heater relay is blocked	- check heater - check wire harness - check control Pos. 6 Heater
20		E:20	unexpected heating - REMANENT ERROR (a, b, c, d, e)	- NTC is broken (out of range) - heater relay is stuck - the heater is actuated in a non heating period	- reset remanent error (see instruction above) - check NTC, heater, replace power module Pos. 6 Heater
23	E:23	E:23	aqua stop actuated - washing program is aborted - the pump is actuated	- water in the base tub - leaky water system - aqua stop switch is blocked / broken	- check leak tightness of water system - check aqua stop switch, wire harness Normal mode
26		E:26	error of analogue pressure sensor (provides error voltage) - FATAL ERROR (a, b, c, d, e)	- pressure sensor broken - hose to the pressure sensor is blocked	- switch ON/OFF for reset - check pressure sensor, wire harness Pos. 7 Water level (Pressure sensor)
28		E:28	error of flow sensor (provides implausible values) - The water intake is changed from volume based to time based	- flow sensor is broken	- check flow sensor - check wire harness Pos. 7 Water level (Pressure sensor)
29		E:29	no water filling detected by flow sensor (fast measurement) - washing program is halted - a restart is possible	- water tap is closed - water pressure <1bar at supply - filter is blocked / supply is blocked - valves or pressure sensor broken	- open water tap - check components, wire harness Pos. 7 Water level (Pressure sensor) Pos. 4 Valves
31		E:31	overflow level exceeded - pump is activated until water level < overflow level (at least 3 min) - the program is continued	- pump, draining hose is blocked, valve is stuck - adjustment of pressure sensor is incorrect ↳ pressure sensor is blocked ↳ hose to the pressure sensor is blocked	- check components, wire harness Pos. 7 Water level (Pressure sensor) Pos. 4 Valves Pos. 5 Pump

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.:
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		3 of 27

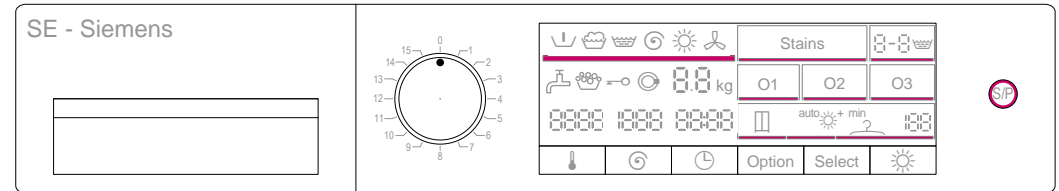
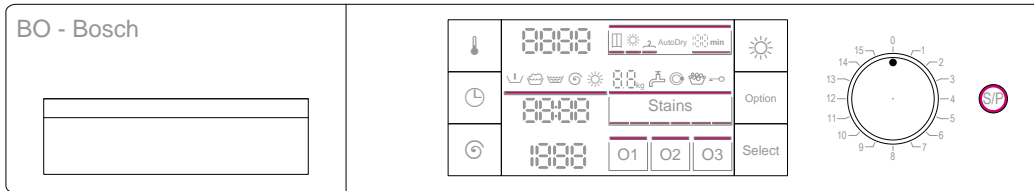


Display		Description	Possible Cause	Check / Remedial action / Remark
F.No	Normal- Test mode	Possible effect		

FATAL / REMANENT ERROR sequence:
a) washing or drying program aborted
b) door is locked possibly
c) operator control actions are blocked
d) display is frozen
e) pump is activated possibly

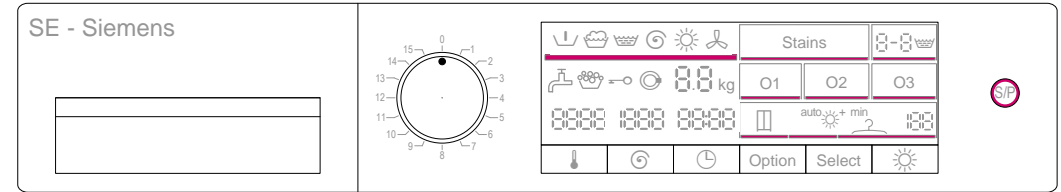
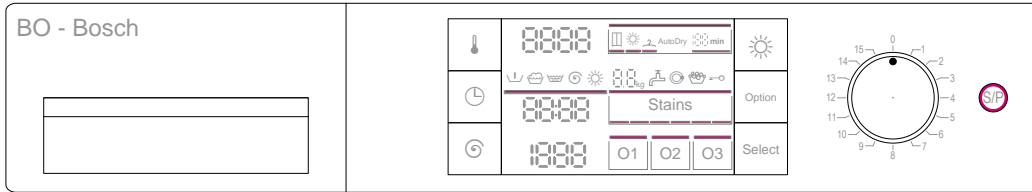
34	E:34	Door lock can not be locked - washing program is aborted - door is unlocked possibly - operator control actions are blocked	- door lock is broken - door, or door hook is stuck - stiff gasket	- switch ON/OFF for reset - check door lock - check mechanic - check wire harness
35	E:35	Door lock can not be unlocked - FATAL ERROR (b, c, d)	- door lock broken, stucked - Window clamp - gasket to inflexible	- switch ON/OFF for reset - check door lock, mechanism, and wire harness
37	E:37	Error of temperature sensor: break - washing program will be finished without heating	- NTC is broken	- check NTC, and wire harness Pos. 6 Heater
38	E:38	Error of temperature sensor: short-circuit - washing program will be finished without heating	- NTC is short-circuit	- check NTC, and wire harness Pos. 6 Heater
40	E:40	Error of mains frequency synchronisation - washing program is aborted	- weak power supply	- Check power supply Normal mode
43	E:43	Locked rotor (for normal mode only in error stack and Last Error) - washing program is finished with limited motor running	- drum is blocked by laundry - motor is blocked	- switch ON/OFF for reset without laundry - check load, check motor Pos. 3 Motor
47	E:47	Heat sink temp. sensor broken or short circuit (for normal mode only in error stack and Last Error) - FATAL ERROR (a)	- heat sink NTC of motor module is broken, - or short circuit	- switch ON/OFF for reset - check, or replace motor module Pos. 3 Motor
48	E:48	Line undervoltage (for normal mode only in error stack and Last Error) - washing program is finished without motor running	- line voltage < 150V	- switch ON/OFF for reset - check power supply Pos. 3 Motor
49	E:49	Line overvoltage (for normal mode only in error stack and Last Error) - washing program is finished without motor running	- line voltage > 150V	- switch ON/OFF for reset - check power supply Pos. 3 Motor

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.:
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		4 of 27

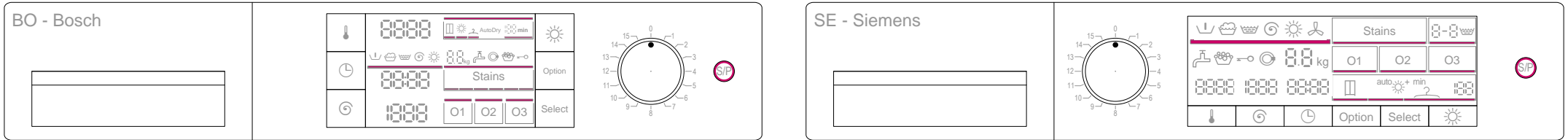


Display			Description Possible effect	Possible Cause	Check / Remedial action / Remark
F.No	Normal-	Test mode			
FATAL / REMANENT ERROR sequence:			a) washing or drying program aborted b) door is locked possibly c) operator control actions are blocked	d) display is frozen e) pump is activated possibly	
50		E:50	DC motor overcurrent (for normal mode only in error stack and Last Error) - washing program is finished with limited motor running	- motor current is above the hardware protection limit	- switch ON/OFF for reset without laundry - check load, check or replace motor module Pos. 3 Motor
51		E:51	IGBT short circuit - FATAL ERROR (a)	- IGBT of motor module is short circuit - wire(s) between motor and MU short circuit	- switch ON/OFF for reset - check wire harness between motor and MU - check or replace motor module Pos. 3 Motor
52		E:52	IGBT broken - FATAL ERROR (a)	- IGBT of motor module is broken - wire(s) between motor and MU short broken	- switch ON/OFF for reset - check wire harness between motor and MU - check or replace motor or motor module Pos. 3 Motor
57		E:57	PU-MU communication (for normal mode only in error stack and Last Error) - remaining time in program is freezed w/o error display	- mains or D-Bus wires are not connected between PU and MU	- switch ON/OFF for reset - check wire harness between PU and MU Pos. 3 Motor
59		E:59	3D/3G-Sensor: measurement or plausibility error - reduced spin speed	- wire harness, cotrol, or 3D/3G-Sensor broken - EMC failure, or magnet not in position - software of sensor incompatible	- check wire harness, 3D/3G-Sensor, control, and magnet position Pos. 3 Motor
61		E:61	Implausible door lock status - FATAL ERROR (a, b, c, d, e)	- door is locked but open - emergency unlock was actuated by hand	- switch ON/OFF for reset - check door lock, mechanic, and wire harness Normal mode
63		E:63	System error - FATAL ERROR (a, b, c, d)	- no communication between PU and OU - no communication between PU and MU	- check D-Bus wire harness - replace power- or dryer module
67	E:67	E:67	Implausible or inexistent variant coding - FATAL ERROR (a, b, c, d, e)	- incorrect or inconsistent variant coding on PU/OU - software of control is incompatible	- switch ON/OFF for reset - reapeat variant coding, or replace control(s) - reprogram the control(s) (development only) Variant coding

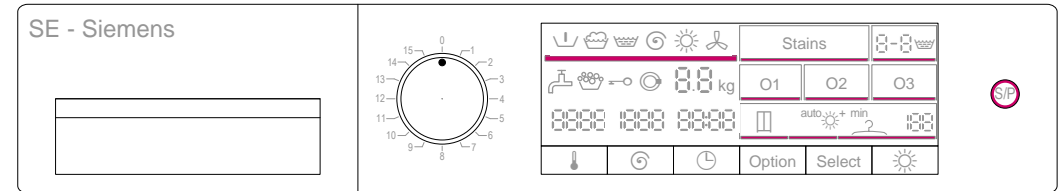
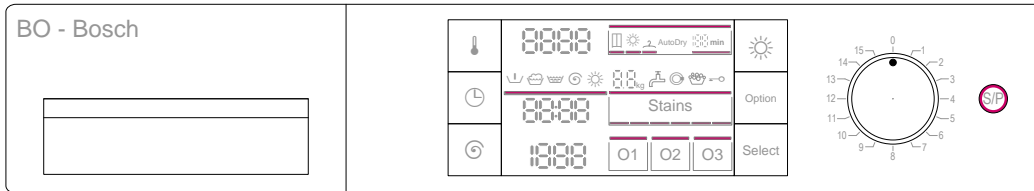
BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.:
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		5 of 27



Display			Description	Possible Cause	Check / Remedial action / Remark
F.No	Normal-	Test mode	Possible effect		
FATAL / REMANENT ERROR sequence:			a) washing or drying program aborted b) door is locked possibly c) operator control actions are blocked	d) display is frozen e) pump is activated possibly	
71		E:71	BLDC precharge relay (for normal mode only in error stack and Last Error) - FATAL ERROR (a)	- precharge relay of MU is broken or short circuit	- switch ON/OFF for reset - check and replace MU Pos. 3 Motor
72		E:72	BLDC asymmetry (for normal mode only in error stack and Last Error) - FATAL ERROR (a)	- motor windings are asymmetrical	- switch ON/OFF for reset - check and replace motor - check wire harness between PU and MU Pos. 3 Motor
73		E:73	PU-DU communication - FATAL ERROR (c, d)	- wrong PU-DU communication	- replace control(s) - reprogram the control(s) (development only)
75		E:75	BLDC max torque (for normal mode only in error stack and Last Error) - washing program is finished with limited motor running	- drum is blocked or limited by laundry - motor is blocked abruptly while running	- switch ON/OFF for reset without laundry Pos. 3 Motor
77		E:77	BLDC line frequency (for normal mode only in error stack and Last Error) - FATAL ERROR (a)	- line frequency is < 35Hz or > 75Hz	- switch ON/OFF for reset - check power supply Pos. 3 Motor
78		E:78	BLDC hardware (for normal mode only in error stack and Last Error) - FATAL ERROR (a)	- hardware error on motor module (MU)	- switch ON/OFF for reset - check / replace motor module Pos. 3 Motor



Display			Description	Possible Cause	Check / Remedial action / Remark
F.No	Normal-	Test mode	Possible effect		
FATAL / REMANENT ERROR sequence:			a) washing or drying program aborted b) door is locked possibly c) operator control actions are blocked	d) display is frozen e) pump is activated possibly	
21		E21	failure in drive circuit unregulated motor run-up drum motor does not rotate - FATAL + REMANENT ERROR - washing program is aborted	- Triac short-circuit - speed sensor is broken - hardware failure	- check the PU - check the wireharness - check the motor - Special for UMAC motor



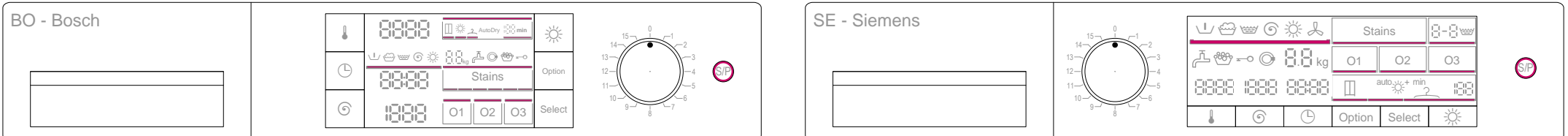
2 SERVICE PROGRAMS

Function	Actuation	Display	Remark
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2.1 Customer Service Test Program

Activate test mode:	Close door		
	Switch off appliance pos. 0		- Appliance was switched off for at least 5s
	Set program selector to pos. 8		- The following operational sequence must be performed within 15s
	Press key + pos. 9		- Set the program selector to pos. 9, while the „temperature“ key is actuated Start/Pause is flashing
	Release key		- Release the „temperature“ key P:09 is displayed
			- Last occurred error code will be displayed for about 5sec, otherwise nothing will be displayed. See Error search
Select test program:	Set program selector		- Select the test program by setting program selector
	Set program selector to pos. 1		Pos. 1 – Automatic test
	Set program selector to pos. 2		Pos. 2 – Fans (dryer)
	Set program selector to pos. 3	1400	Pos. 3 – Motor (reversing and spinning) Max. spin speed is displayed
	Set program selector to pos. 4		Pos. 4 – Valves
	Set program selector to pos. 5		Pos. 5 – Pump
	Set program selector to pos. 6		Pos. 6 – Heater (washer)




























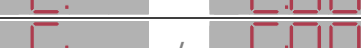

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 5534000033034 ASP english	Revision: A	Page-No.: 8 of 27
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		



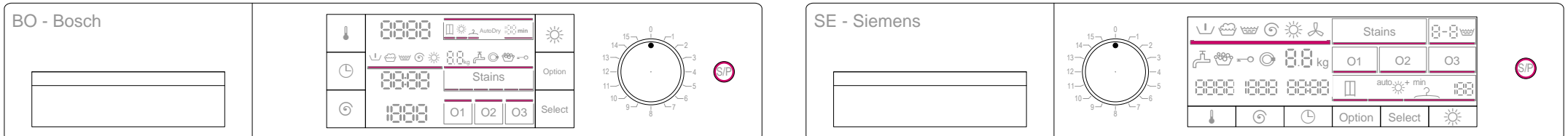
Function	Actuation	Display	Remark
	Set program selector to pos. 7	P.07	Pos. 7 – Pressure sensor adjustment
	Set program selector to pos. 8	P.08	Pos. 8 – Not implemented
	Set program selector to pos. 9	P.09	Pos. 9 – Flow sensor
	Set program selector to pos. 10	P.10	Pos. 10 – Not implemented
	Set program selector to pos. 11	P.11	Pos. 11 – Not implemented
	Set program selector to pos. 12	P.12	Pos. 12 – Heater dryer (2 stage)
	Set program selector to pos. 13	P.13	Pos. 13 – Buttons and optical indicator elements
	Set program selector to pos. 14	P.14	Pos. 14 – Not implemented
	Set program selector to pos. 15	P.15	Pos. 15 – Not implemented
Start or restart test program:	Press key →		- Press Start/Pause 2 times to restart a program from the beginning Start/Pause is illuminating
Abort test program:	Press key or → /		- Door stays locked if a security relevant instance is detected (to high water level, -spin speed, or -temperature) Door icon and, or Start/Pause is flashing
Leave test mode:	Set program selector to pos. 0		- The test mode is left also after a mains power blackout

<p>BO - Bosch</p> 	<p>SE - Siemens</p> 		
<p>Function</p>	<p>Actuation</p>	<p>Display</p>	<p>Remark</p>

2.2 Stored error-codes / error search

<p>Activate error search</p>	<p>Close door </p>		<p>- Error search mode activation is possible, even if the appliance is in FATAL ERROR state</p>
	<p>Switch off appliance  pos. 0</p>		
	<p>Set program selector to  pos. 4</p>		<p>- Wait until Start/Pause is flashing Start/Pause is flashing</p>
	<p>Press key  +  pos. 5</p>		<p>- Set the program selector to pos. 5, while the „temperature“ key is actuated</p>
	<p>Release key </p>		<p>Start/Pause is switched off</p>
<p>Display of 1st error per monitoring period:</p>	<p>Set program selector </p>	<p>First error: / No error: </p>	<p>- Select the monitoring period by setting program selector First error, or E:00 is shown</p>
	<p>Set program selector to  pos. 1</p>	 	<p>Pos. 1 – First error of the last monitoring period</p>
	<p>Set program selector to  pos. 2</p>	 	<p>Pos. 2 – First error of the 2nd last monitoring period</p>
	<p>Set program selector to  pos. 3</p>	 	<p>Pos. 3 – First error of the 3rd last monitoring period</p>
	<p>Set program selector to  pos. 4</p>	 	<p>Pos. 4 – First error of the 4th last monitoring period</p>
	<p>Set program selector to  pos. 5</p>	 	<p>Pos. 5 – First error of the 5th last monitoring period</p>
	<p>Set program selector to  pos. 6</p>	 	<p>Pos. 6 – First error of the 6th last monitoring period</p>

<p>BSH BOSCH UND SIEMENS HAUSGERAETE GMBH</p>	<p>Document-No.: 55340000033034 ASP english</p>	<p>Revision: A</p>	<p>Page-No.: 10 of 27</p>
<p>Test Program/Coding Instruction D21-Relaunch</p>	<p>Material-No.: 9000903603</p>		
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Function	Actuation	Display	Remark
	Set program selector to		Pos. 7 – First error of the 7th last monitoring period
	Set program selector to		Pos. 8 – First error of the 8th last monitoring period
	Set program selector to	No display	Pos. 9-15 – Not implemented
Display of errors:	Press key	0 error:	- Switch through next occurred error(s) for the selected monitoring period Next error(s), or E:00 is shown
	Press key	1st error:	- If at least one error is stored for the selected monitoring period, then the 1st error stored within this monitoring period is displayed
	Press key	2nd error:	Otherwise E:00 is displayed
		and so on	
Leave error display mode:	Set program selector to		- The error display mode is left also after a mains power blackout

3 FUNCTIONS OF SERVICE PROGRAMS

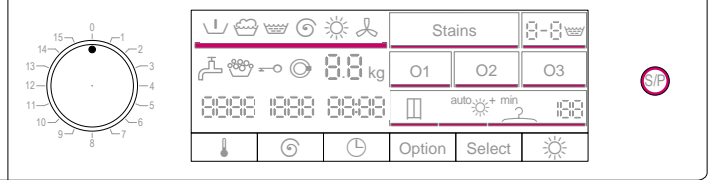
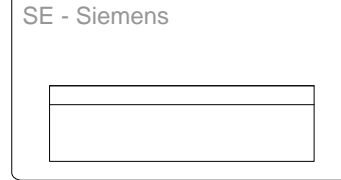
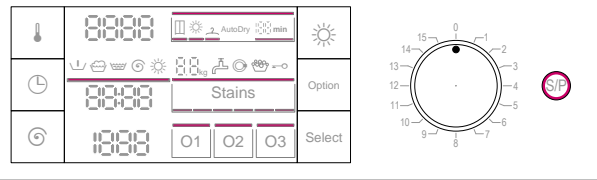
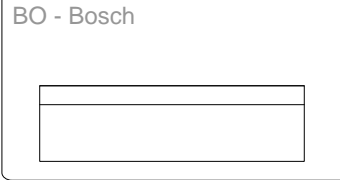
Function	Actuation	Display	Remark		
			Time(s)	Value	Inspection / Corrective

3.1 Customer Service Test Program

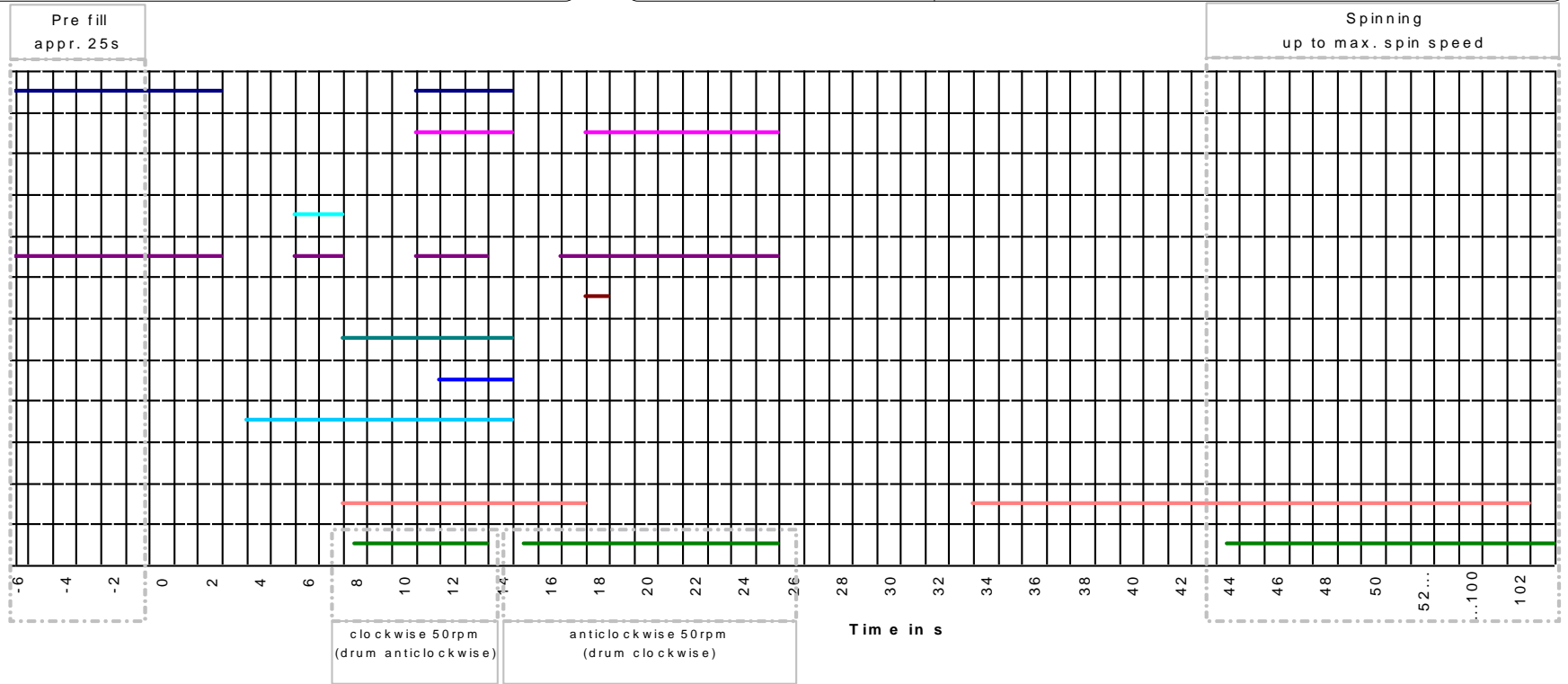
Pos. 1 Automatic test

Function	Actuation	Display	Remark	Note
	Press key		- Start program	Start/Pause is flashing
Door is locked				Start/Pause is illuminating
Quick test of all components				- The sequence is shown on the next page

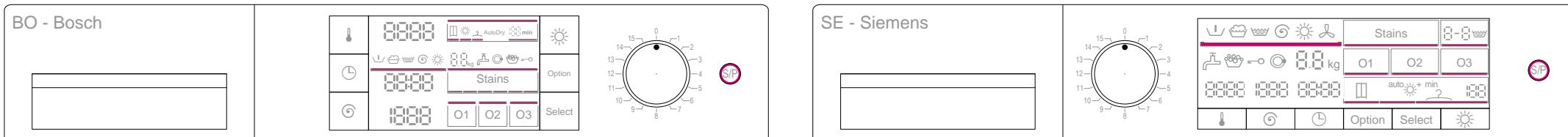
BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.:
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		11 of 27



- Valve 1 - pre wash
- Valve 2 - main wash (cold)
- Valve 3 - main wash (w arm)
- Valve 4 - flushing
- Valve - Aqua Stop
- Heater
- Drying heater - Stage1 (low)
- Drying heater - Stage2 (high)
- Fan 1 - process
- Fan 2 - cooling
- Pump
- Motor



BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.:
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		12 of 27



Function	Actuation	Display	Remark	Time(s)	Value	Inspection / Corrective	Note
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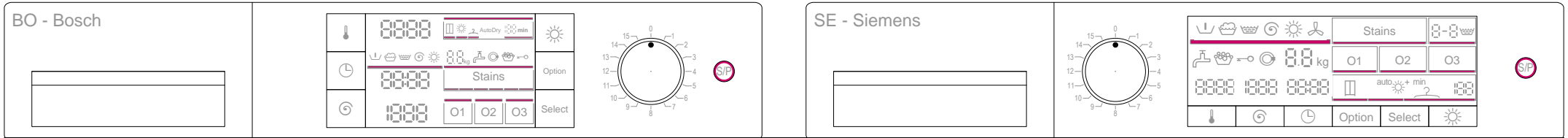
Pos. 2 Fans (dryer)

	Press key →					- Start program	Start/Pause is flashing
Door is locked							Start/Pause is illuminating
Activation of process air fan				5			
Pause				2			
Activation of cooling air fan				5			
Pause				2			
Activation of process and cooling air fan				5			
Door is unlocked							Start/Pause is flashing

BO - Bosch			SE - Siemens				
Function	Actuation	Display	Remark	Time(s)	Value	Inspection / Corrective	Note

Pos. 3 Motor

	Press key →						- Start program	Start/Pause is flashing
Door is locked								Start/Pause is illuminating
Pump is activated								
Drum is rotated anticlockwise					50rpm			
Pause				2				
Drum is rotated clockwise					50rpm			
Spin speed is increased to max. spin speed								
Spinning at maximum spin speed				appr. 4min	max. rpm			
Pump is switched off								
Door is unlocked						1400		Start/Pause is flashing



Function	Actuation	Display	Remark	Time(s)	Value	Inspection / Corrective	Note
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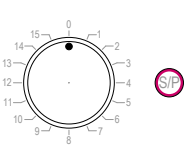
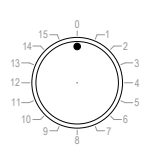
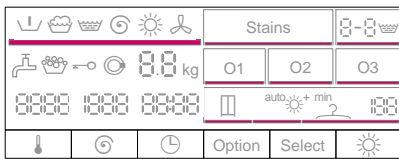
Pos. 4 Valves

	Press key →					- Start program	Start/Pause is flashing
Door is locked							Start/Pause is illuminating
Pump is activated until the appliance is completely drained							
Water inlet via V1 - pre wash				7			
Water inlet via V2 - main wash				10			
Water inlet via V4 - flushing				10			
Water inlet via V1 & V2 – pre- & main wash					½ drum-ø		- Water inlet until water level has reached half of drum volume
							- Door remains locked Start/Pause is flashing












Pos. 5 Pump

	Press key →					- Start program	Start/Pause is flashing
Door is locked							Start/Pause is illuminating
Pump is activated until the appliance is completely drained							
Door is unlocked							Start/Pause is flashing
















BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.:
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		15 of 27

BO - Bosch			SE - Siemens		
Function	Actuation	Display	Remark		Note
			Time(s)	Value	

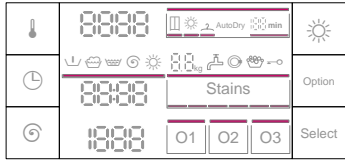
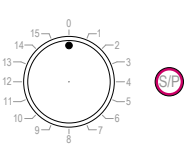
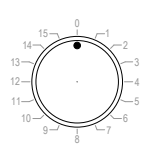
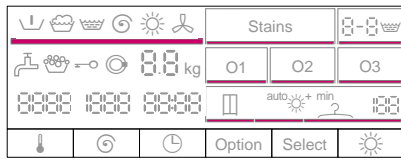
Pos. 6 Heater

	Press key → 					- Start program	Start/Pause is flashing
Door is locked							Start/Pause is illuminating
Water inlet until heater-on level is reached							
Heater is activated					85°C		
							- Door remains locked Start/Pause is flashing




























Pos. 7 Pressure sensor adjustment

	Press key → 					- Start program	Start/Pause is flashing
Door is locked							Start/Pause is illuminating
Pump is activated until the appliance is completely drained							
Pressure sensor adjustment starts							
Pressure sensor adjustment ends							
Water inlet via V1 - pre wash					appr. 2-4cm	(measured from drum body up to the water surface)	- Water inlet until target level for measuring is reached
Door is unlocked							Start/Pause is flashing

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.:
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		16 of 27
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BO - Bosch			SE - Siemens				
Function	Actuation	Display	Remark	Time(s)	Value	Inspection / Corrective	Note

Pos. 9 Flow rate sensor

	Press key → 					- Start program	Start/Pause is flashing
Door is locked							Start/Pause is illuminating
Flow measurement starts							
Water quantity measurement starts							
Pump is activated until the appliance is completely drained							
Water inlet via V1 - pre wash					5 l		
Water quantity measurement ends							
Flow measurement ends							
							- Door remains locked Start/Pause is flashing or error E:29 is displayed

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.:
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		17 of 27
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BO - Bosch			SE - Siemens		
Function	Actuation	Display	Remark		
			Time(s)	Value	Inspection / Corrective

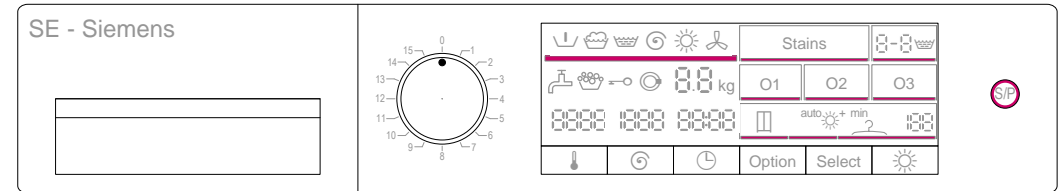
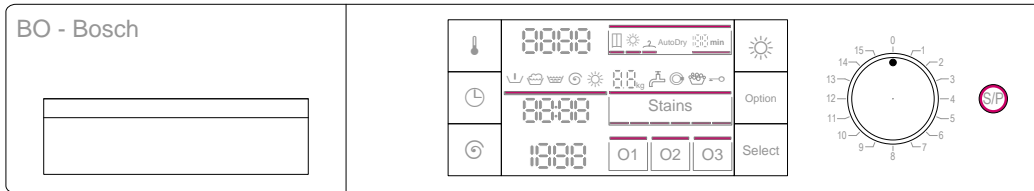
Pos. 12 Heater dryer

	Press key →					- Start program	Start/Pause is flashing
Door is locked							Start/Pause is illuminating
Process- and cooling fan are activated							
Drying heater - stage 1 (low segment) is activated				5			
Drying heater - stage 2 (high segment) is activated				5			Not for Chinese variant
Drying heater - stage 1 (low segment) is switched off							
Pause				5			
Drying heater - stage 2 (high segment) is switched off							
Process- and cooling fan are switched off							
Door is unlocked							Start/Pause is flashing

Pos. 13 Display

	Press key →					- Start program	Start/Pause is flashing
All display segments are activated		All display segments					Start/Pause is illuminating
	Press key →					- Press Start/Pause to abort the program	Start/Pause is flashing

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.: 18 of 27
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		



4 VARIANT CODING

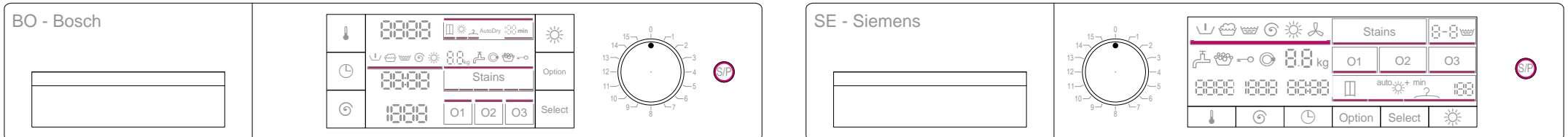
Function	Actuation	Display	Remark
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4.1 Variant Coding PU

! The variant code is printed at the rating plate at the back of the appliance and at the door label













Activate PU variant coding mode:	Close door		
	Switch off appliance pos. 0		- Appliance was switched off for at least 5s
	Set program selector to pos. 12		Start/Pause is flashing
	Press key → + pos. 11		- Set the program selector to pos. 9, while the „temperature“ key is actuated
	Release key ←		- Release the „temperature“ key Start/Pause is illuminating
Select variant used by PU:	Set program selector		- Select the variant by setting program selector
	Set program selector to pos. 1		Pos. 1 – Machine device class Actual variant code value is displayed
	Set program selector to pos. 2		Pos. 2 – Speed variant Actual variant code value is displayed
	Set program selector to pos. 3		Pos. 3 – Aqua stop / Warm water Actual variant code value is displayed
	Set program selector to pos. 4		Pos. 4 – Water valve variant Actual variant code value is displayed
	Set program selector to pos. 5		Pos. 5 – Door lock variant Actual variant code value is displayed
	Set program selector to pos. 6		Pos. 6 – Flow sensor Actual variant code value is displayed
	Set program selector to pos. 7		Pos. 7 – Turbidity sensor (not used yet) Actual variant code value is displayed



BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 5534000033034 ASP english	Revision: A	Page-No.: 19 of 27
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		



























Function	Actuation	Display	Remark
	Set program selector to pos. 8 		 Pos. 8 – 3D sensor (not used yet) Actual variant code value is displayed
	Set program selector to pos. 9 		 Pos. 9 – Foam wash sensor (not used yet) Actual variant code value is displayed
	Set program selector to pos. 10 		 Pos. 10 – Dosage system (not used yet) Actual variant code value is displayed
	Set program selector to pos. 11 		 Pos. 11 – VT-Set (not used yet) Actual variant code value is displayed
	Set program selector to pos. 12-15 		 Pos. 12-15 – Not implemented
Leave PU variant coding mode:	Set program selector to pos. 0 		

Pos. 1 Setting machine device class range 0...2













Variant 0: F21	Press key →  		 - Press any key (except Start/Pause) to change variant code value
Variant 1: S21	Press key →  		 - Press any key (except Start/Pause) to change variant code value
Variant 2: D21	Press key →  		 - Press any key (except Start/Pause) to change variant code value


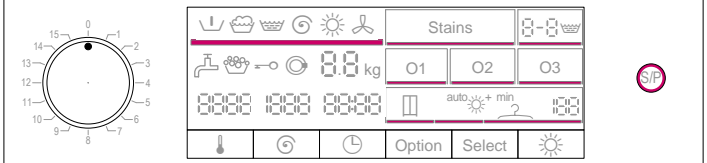
BO - Bosch 	SE - Siemens 		
Function	Actuation	Display	Remark

Pos. 2 Setting speed variant
range 0...7

















Variant 0: 1480rpm	Press key → 		PU: 0		- Press any key (except Start/Pause) to change variant code value
Variant 1: 1200rpm	Press key → 		PU: 1		- Press any key (except Start/Pause) to change variant code value
Variant 2: 1200rpm	Press key → 		PU: 2		- Press any key (except Start/Pause) to change variant code value
Variant 3: 1200rpm	Press key → 		PU: 3		- Press any key (except Start/Pause) to change variant code value
Variant 4: 1200rpm	Press key → 		PU: 4		- Press any key (except Start/Pause) to change variant code value
Variant 5: 1200rpm	Press key → 		PU: 5		- Press any key (except Start/Pause) to change variant code value
Variant 6: 1200rpm	Press key → 		PU: 6		- Press any key (except Start/Pause) to change variant code value
Variant 7: 1200rpm	Press key → 		PU: 7		- Press any key (except Start/Pause) to change variant code value

Pos. 3 Setting Aqua stop / Warm water variant
range 0...3







Variant 0: without Aqua stop	Press key → 		PU: 0		- Press any key (except Start/Pause) to change variant code value
Variant 1: with Aqua stop, cold water	Press key → 		PU: 1		- Press any key (except Start/Pause) to change variant code value
Variant 2: with Aqua stop, warm water	Press key → 		PU: 2		- Press any key (except Start/Pause) to change variant code value
Variant 3: with Aqua stop, cold & warm water	Press key → 		PU: 3		- Press any key (except Start/Pause) to change variant code value

<p>BO - Bosch</p> 		<p>SE - Siemens</p> 	
Function	Actuation	Display	Remark

















Pos. 4 Setting water valve variant
range 0...3

<p>Variant 0: Double valve cold</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>
<p>Variant 1: Triple valve (double cold & flush)</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>
<p>Variant 2: Triple valve (double cold & warm)</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>
<p>Variant 3: Double valve (cold & warm)</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>


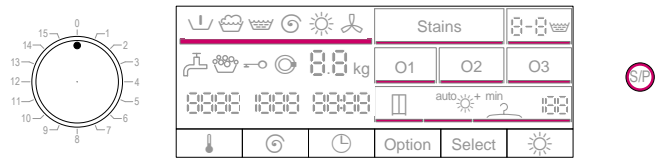
Pos. 5 Setting door lock variant
range 0...1

<p>Variant 0: Magnetic door lock</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>
<p>Variant 1: PTC door lock</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>









Pos. 6 Setting flow sensor variant
range 0...3

<p>Variant 0: Without flow sensor</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>
<p>Variant 1: With flow sensor, cold water</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>
<p>Variant 2: With flow sensor, warm water</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>
<p>Variant 3: With flow sensor, cold & warm water</p>	<p>Press key →  </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>









<p>BSH BOSCH UND SIEMENS HAUSGERAETE GMBH</p>	<p>Document-No.: 55340000033034 ASP english</p>	<p>Revision: A</p>	<p>Page-No.: 22 of 27</p>
<p>Test Program/Coding Instruction D21-Relaunch</p>	<p>Material-No.: 9000903603</p>		
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BO - Bosch		SE - Siemens	
Function	Actuation	Display	Remark









Pos. 7 Setting turbidity sensor variant – not used yet
range 0...1

Variant 0: Without turbidity sensor	Press key →  			- Press any key (except Start/Pause) to change variant code value
Variant 1: With turbidity sensor	Press key →  			- Press any key (except Start/Pause) to change variant code value









Pos. 8 Setting 3D sensor variant – not used yet
range 0...1

Variant 0: 3D Marquard	Press key →  			- Press any key (except Start/Pause) to change variant code value
Variant 1: 3D Seuffer	Press key →  			- Press any key (except Start/Pause) to change variant code value

Pos. 9 Setting foam wash sensor variant – not used yet
range 0...1

Variant 0: Without foam wash sensor	Press key →  			- Press any key (except Start/Pause) to change variant code value
Variant 1: With foam wash sensor	Press key →  			- Press any key (except Start/Pause) to change variant code value

Pos. 10 Setting dosage system – not used yet
range 0...1

Variant 0: Without dosage system	Press key →  			- Press any key (except Start/Pause) to change variant code value
Variant 1: With dosage system	Press key →  			- Press any key (except Start/Pause) to change variant code value

Pos. 11 Setting VT set – not used yet
range 0...1

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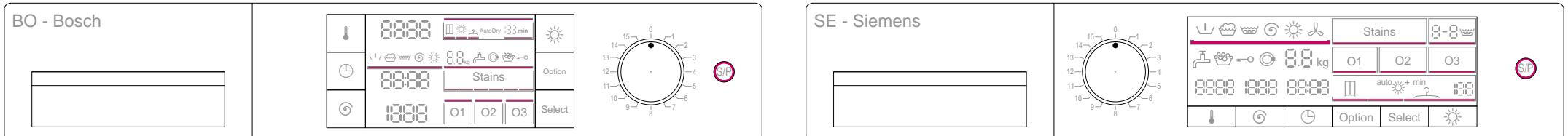
BO - Bosch		SE - Siemens	
Function	Actuation	Display	Remark

4.2 OU variant coding

! The variant code is printed at the rating plate at the back of the appliance and at the door label

Activate OU variant coding mode:	Close door		
	Switch off appliance	pos. 0	- Appliance was switched off for at least 5s
	Set program selector to	pos. 11	Start/Pause is flashing
	Press key + pos. 10		- Set the program selector to pos. 9, while the „temperature“ key is actuated
	Release key		- Release the „temperature“ key Start/Pause is illuminating
Select variant used by OU:	Set program selector		- Select the variant by setting program selector
	Set program selector to	pos. 1	Pos. 1 – Acoustic feedback Actual variant code value is displayed
	Set program selector to	pos. 2	Pos. 2 – Brand Actual variant code value is displayed
	Set program selector to	pos. 3	Pos. 3 – Child proof Actual variant code value is displayed
	Set program selector to	pos. 4	Pos. 4 – Load display Actual variant code value is displayed
	Set program selector to	pos. 5	Pos. 5 – Panel colour (not used yet) Actual variant code value is displayed
	Set program selector to	pos. 6	Pos. 6 – Sales area Actual variant code value is displayed
	Set program selector to	pos. 7	Pos. 7 – Overdosage Actual variant code value is displayed
	Set program selector to	pos. 8	Pos. 8 – Key variant Actual variant code value is displayed

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 5534000033034 ASP english	Revision: A	Page-No.: 24 of 27
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		



Function	Actuation	Display	Remark
	Set program selector to pos. 9		Pos. 9 – Menu variant Actual variant code value is displayed
	Set program selector to pos. 10-15		Pos. 10-15 – Not implemented
Leave OU variant coding mode:	Set program selector to pos. 0		

Pos. 1 Setting acoustic feedback - not used yet
range 0...1

Variant 0: Buzzer	Press key →		- Press any key (except Start/Pause) to change variant code value
Variant 1: Speaker	Press key →		- Press any key (except Start/Pause) to change variant code value

Pos. 2 Setting brand
range 0...1

Variant 0: Siemens	Press key →		- Press any key (except Start/Pause) to change variant code value
Variant 1: Bosch, Neff	Press key →		- Press any key (except Start/Pause) to change variant code value

Pos. 3 Setting child proof
range 0...1

Variant 0: With child proof	Press key →		- Press any key (except Start/Pause) to change variant code value
Variant 1: Without child proof	Press key →		- Press any key (except Start/Pause) to change variant code value

Pos. 4 Setting load display
range 0...1

Variant 0: With load display	Press key →		- Press any key (except Start/Pause) to change variant code value
Variant 1: Without load display	Press key →		- Press any key (except Start/Pause) to change variant code value

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.: 25 of 27
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		

BO - Bosch		SE - Siemens	
Function	Actuation	Display	Remark

Pos. 5 Setting panel colour – not used yet

range 0...3

Variant 0: White	Press key →		00: 0		- Press any key (except Start/Pause) to change variant code value
Variant 1: Silver	Press key →		00: 1		- Press any key (except Start/Pause) to change variant code value
Variant 2: Golden/Silver	Press key →		00: 2		- Press any key (except Start/Pause) to change variant code value
Variant 3: Stainless steel	Press key →		00: 3		- Press any key (except Start/Pause) to change variant code value

Pos. 6 Setting sales area

range 0...1

Variant 0: China	Press key →		00: 0		- Press any key (except Start/Pause) to change variant code value
Variant 1: Export	Press key →		00: 1		- Press any key (except Start/Pause) to change variant code value

Pos. 7 Setting overdosage

range 0...1





Variant 0: Without overdosage display	Press key →		00: 0		- Press any key (except Start/Pause) to change variant code value
Variant 1: With overdosage display	Press key →		00: 1		- Press any key (except Start/Pause) to change variant code value

Pos. 8 Setting key variant









range 0...7

Variant 0: Key variant	Press key →		00: 0		- Press any key (except Start/Pause) to change variant code value
Variant 1-7: Not used	Press key →		00: 1		- Press any key (except Start/Pause) to change variant code value

BSH BOSCH UND SIEMENS HAUSGERAETE GMBH	Document-No.: 55340000033034 ASP english	Revision: A	Page-No.: 26 of 27
Test Program/Coding Instruction D21-Relaunch	Material-No.: 9000903603		

<p>BO - Bosch</p> 		<p>SE - Siemens</p> 	
<p>Function</p>		<p>Actuation</p>	
<p>Display</p>		<p>Remark</p>	

Pos. 9 Setting menu variant
range 0...7

<p>Variant 0: Menu variant</p>	<p>Press key →  → </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>
<p>Variant 1-7: Not used</p>	<p>Press key →  → </p>	<p></p>	<p> - Press any key (except Start/Pause) to change variant code value</p>