

List of flash codes Combi (E)

Combi 4/10 6/10
V02.01.00



#	Flashcode	Note	Error	Error information	1st action	2nd action	3rd action
0			No faults				
4	s,s,s,s,s,l,s,s		Current for combustion air motor too high	Combustion air motor or cable harness defective	Check / replace combustion air motor	Check / replace cable harness	Replace electronic PCB
5	s,s,s,s,s,l,s,l		Current for combustion air motor too low	Combustion air motor or cable harness defective	Check / replace combustion air motor	Check / replace cable harness	Replace electronic PCB
6	s,s,s,s,s,l,l,s		Current for combustion air motor too high	Combustion air motor or cable harness defective	Check / replace combustion air motor	Check / replace cable harness	Replace electronic PCB
8	s,s,s,s,l,s,s,s	Recheck flash code	Electronic fault	Failure in electronic PCB	Restart heater	Replace electronics	
10	s,s,s,s,l,s,l,s		Plausibility of combustion air temperature sensor	Combustion air temperature sensor outside tolerance range	Check cable of combustion air temperature sensor	Check (read) / replace combustion air temperature sensor	
19	s,s,s,l,s,s,l,l		Plausibility of electronic	Heater does not match electronics (e.g. 6 kW PCB in 4 kW heater)	Install correct electronics		
20	s,s,s,l,s,l,s,s		Plausibility of NTC water temperature	Water temperature sensor outside tolerance range	Check cable of water temperature sensor	Check (read) / replace water temperature sensor 20°C 12.6 kOhm 25°C 10.0 kOhm 40°C 5.0 kOhm 50°C 3.3 kOhm	

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21	s,s,s,l,s,l,s,l		Plausibility of NTC room temperature	Room temperature sensor outside tolerance range	Check cable of room temperature sensor	Check (read) / replace room temperature sensor 15°C 16.2 kOhm 20°C 12.6 kOhm 25°C 10.0 kOhm	
22	s,s,s,l,s,l,s,l		Plausibility of NTC air temperature	Air temperature sensor outside tolerance range	Check cable of air temperature sensor	Check (read) / replace air temperature sensor 20°C 124.9 kOhm 25°C 100.0 kOhm 50°C 36.0 kOhm	Check the thermostat plate / air temperature switch / air temperature sensor for damage caused by overheating => Inform the customer service
24	s,s,s,l,l,s,s,s		Current for circulating air motor too high	Circulating air motor failure	Check (apply 12 V) / replace circulating air motor	Replace electronics	
25	s,s,s,l,l,s,s,l		Current for circulating air motor too low	Circulating air motor or connection plug failure	Check / replace circulating air motor	Replace electronics	
26	s,s,s,l,l,s,l,s		Current for circulating air motor too high	Circulating air motor failure	Check (apply 12 V) / replace circulating air motor	- Replace current electronics for latest replacement PCB (from version 12A) - Or replace with new electronics (from 4/13 or from 6/13)	
28	s,s,s,l,l,s,l,s		Current for control panel too high	Control panel or control panel cable failure	Check / replace control panel cable	Replace control panel	Replace electronic PCB

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29	s,s,s,l,l,l,s,l		Current for FrostControl heating element too high	Heating element or cable defective	Check / replace heating element	Replace electronics	
30	s,s,s,l,l,l,s		Current for solenoid valve 2 KW retaining coil too high	Solenoid coil or cable harness defective	Check / replace solenoid coil	Check / replace cable harness	Replace electronic PCB
31	s,s,s,l,l,l,l		Current for solenoid valve 4 KW retaining coil too high	Solenoid coil or cable harness defective	Check / replace solenoid coil	Check / replace cable harness	Replace electronic PCB
33	s,s,l,s,s,s,l		Current for solenoid valve 2 KW restraining coil too high	Solenoid coil or cable harness defective	Check / replace solenoid coil	Check / replace cable harness	Replace electronic PCB
34	s,s,l,s,s,l,s		Current for solenoid valve 4 KW restraining coil too high	Solenoid coil or cable harness defective	Check / replace solenoid coil	Check / replace cable harness	Replace electronic PCB
36	s,s,l,s,s,l,s		Current for ignitor too high	Ignitor or cable harness defective	Replace ignitor	Check / replace cable harness	Replace electronic PCB
41	s,s,l,s,l,s,s,l		Electronic blocked	Electronic blocked: - Because the air temperature switch and / or water temperature switch opened during operation due to over-heating - Because the air temperature switch cable is damaged - Due to a short circuit of the combustion air temperature sensor (corresponds to temperatures > 215 °C)	- Check the heater for overheating damage (heat exchanger, water storage tank, in case of frost damage also check the FrostControl, ..) - Check the thermostat plate / air temperature switch / cable / air temperature sensor for overheating damage	- Replace water temperature switch , air temperature switch if necessary - Overheating switch may only be replaced in devices up to the factory number 21033000 from 21033001 onwards, the device needs to be sent back to the factory	- Unlock the electronics with the Truma Diagnosis Tool ("Lock" symbol bottom right) - Replace electronic PCB
42	s,s,l,s,l,s,l,s		Window switch open	- Window opened with window switch - Bridge for window switch on electronics interrupted	- Close window - Check / replace window switch with cable	Check secure fit / contact of bridge on PCB	Replace electronic PCB

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43	s,s,l,s,l,s,l,l		Over voltage higher than 15 V	12 V power supply failure	Recondition power supply 12 V	Replace electronics	
44	s,s,l,s,l,l,s,s		Under voltage lower than 10.5 V	12 V power supply failure	Recondition power supply 12 V	Replace electronics	
45	s,s,l,s,l,l,s,l		No 230 V supply to Combi E	230 V power supply failure	Check 230 V voltage	Water temperature switch reset / check 230 V	
46	s,s,l,s,l,l,s		1) Control panel Combi or power selector switch Combi E defective 2) Combustion air motor or circulating air motor defective 3) Battery earth to the minus terminal Combi defective	1) Control panel or control panel cable defective - Power selector switch Combi E or control panel connection cable defective 2) Combustion air motor defective - Cable harness defective - Electronics defective (paint spray in control panel socket) - Internal connection between the (+) carbon brushes and/or circulating air motor and circulating air motor casing via carbon dust 3) Earth connection from the power supply is missing	1) Replace Combi control panel / or cable - Replace power selector switch Combi E and or control unit connecting cable 2) Replace circulating air motor 3) Check earth connection (ground cable) of power supply	- Check supply line of combustion air motor - black cable for short circuit to ground or red cable for interruption - Replace cable harness - (If cable harness not damaged, replace combustion air motor)	Check electronic PCB for paint spray in control panel socket (replace electronic PCB)
60	s,s,l,l,l,l,s,s		Voltage fluctuation	Power supply not constant	Apply clean 12 V power supply	Replace electronics	
61	s,s,l,l,l,l,s,l		Failure due to ignition procedure	Ignition spark interfering with electronics	Ignitor must have orange label, otherwise replace ignitor	Check ignitor / flame rectification electrode cable for damage / replace	Replace electronic PCB
65	s,l,s,s,s,s,l		Electronic fault	Failure in electronic PCB	Restart heater	Check power supply	Replace electronic PCB

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68	s,l,s,s,s,l,s,s		Failure due to ignition procedure	Ignition spark interfering with electronics	Ignitor must have orange label, otherwise replace ignitor	Check ignitor / flame rectification electrode cable for damage / replace	Replace electronic PCB
69	s,l,s,s,s,l,s,l		Monitoring the current of the circulating air motor	- Electronics defective - Circulating air motor defective	Replace electronic PCB	Replace the circulating air motor	
80	s,l,s,l,s,s,s,s		Voltage fluctuation / failure due to ignition procedure	- Power supply not constant - Ignition spark interfering with electronics - The electrode cable and the combustion air motor cable may not cross	- Apply clean 12 V power supply - Install earth cable, part. no.: 34020-57000 (see also service info CB_110925) - Ignitor must have orange label, otherwise replace ignitor	Replace the electronics if the error occurs again	
81	s,l,s,l,s,s,s,l		Failure due to ignition procedure	Ignition spark interfering with electronics	Install earth cable, part. no.: 34020-57000 (see also service info CB_110925)	- Check ignitor / flame rectification electrode cable for damage - Replace check / adjust plug distances	Replace the old ignitor with a new one with a blue label and red point or a blue label and Index 05
88	s,l,s,l,s,s,s		Failure due to ignition procedure	Ignition spark interfering with electronics	Ignitor must have orange label, otherwise replace ignitor	Check ignitor / flame rectification electrode cable for damage / replace	Replace electronic PCB
89	s,l,s,l,s,s,l		Monitoring the current of the combustion air motor	- Electronics fault - Combustion air motor fault	Replace electronic PCB	Replace combustion air motor	

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94	s,l,s,l,l,l,s		Combustion air motor running at incorrect speed	Heater too hot or combustion air temperature sensor has incorrect value	Check heater for damage due to overheating	- Check gas supply - Check / replace circulating air motor, flue system and combustion air temperature sensor	Replace electronic PCB
100	s,l,s,s,l,s,s		- Cable harness fault - Magnetic coils short circuit	Short circuit on solenoid coils	- Restart heater - Check solenoid coils for short circuit / replace	Replace electronics	Check / replace cable harness
101	s,l,s,s,l,s,l		- Cable harness fault - Igniter short circuit	Short circuit on the ignitor	- Restart heater - Check igniter for short circuit / replace	Replace electronics	Check / replace cable harness
105	s,l,s,l,s,s,l		Electronic fault	Failure in electronic PCB	Replace electronic PCB		
112	s,l,l,l,s,s,s,s		1) Flame not detected 2) Poor earth or battery earth to the minus terminal Combi defective	1) Flame out or not detected (error may only occur after 3 - 5 minutes) - Magnetic valve nozzle pipe canted 2) Earth connection from the power supply is poor or does not exist	1) - Check gas supply - Check installation of solenoid valve 2) Check earth connection of power supply	Install earth cable, part. no.: 34020-57000 (see also service info CB_110925)	- Check flue system - Replace the ignition plugs - Replace electronic PCB
113	s,l,l,l,s,s,s,l		Flame not expected	Ionization voltage present in standby mode	Check solenoid valve (stuck in open position)	Replace electronics	
116	s,l,l,l,s,l,s,s		Dirty supply voltage	AC components in power supply	Check power supply, AC components also possible through power supply units or solar systems	Only operate heater with battery	Replace electronic PCB

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117	s,l,l,s,l,s,l		Dirty supply voltage	AC components in power supply	Check power supply, AC components also possible through power supply units or solar systems	Only operate heater with battery	Replace electronic PCB
118	s,l,l,s,l,s		Combustion air motor running too slow	Combustion air motor running too slowly or outside tolerance range	Replace electronic PCB (if the Index is lower than 4/12, 6/12)	Replace combustion air motor	
119	s,l,l,s,l,l,l		Combustion air motor running too fast	- Combustion air motor running too fast or outside tolerance range - Ignition spark interfering with electronics	Ignitor must have orange label, otherwise replace ignitor	Check ignitor / flame rectification electrode cable for damage / replace	Replace combustion air motor and / or electronic PCB
121	s,l,l,l,s,s,l		Flame unstable	Flame unstable during operation	Check gas supply	Check flue system	- Change ignition plugs - Change electronics
127	s,l,l,l,l,l,l		Electronic defective or combustion air motor running at incorrect speed	- Failure in electronic PCB - Combustion air motor defective - Cable harness defective	Check / replace cable harness	Replace combustion air motor	Replace electronic PCB
148	l,s,s,l,s,l,s,s		Combustion air temperature sensor overheating	Electronic blocked: - Because the combustion air temperature sensor became too hot during operation due to over-heating due to over-heating - Due to a short-circuit of the combustion air temperature sensor	- Check the heater for overheating damage (heat exchanger, water storage tank, in case of frost damage also check the FrostControl, ..)	- Check / replace combustion air temperature sensor and cable harness - Check / replace circulating air motor	- Unlock the electronics with the Truma Diagnosis Tool ("Lock" symbol bottom right) - Replace electronic PCB

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149	I,s,s,I,s,I,s,I	(Cannot be read by the Truma Diagose Tool because they are not TIN capable)	Water temperature switch over-temperature or air temperature switch over-temperature	Electronic blocked: - Because the air temperature switch and / or water temperature switch opened during operation due to over-heating - Because the air temperature switch cable is damaged - Due to a short circuit of the combustion air temperature sensor (corresponds to temperatures > 215 °C)	- Check the heater for over-heating damage - Check the thermostat plate /air temperature switch / air temperature sensor for damage caused by overheating => Inform the customer service	- Check / replace the water temperature switch and water temperature sensor - Check / replace the air temperature switch / sensor and cable - Check / replace the circulating air motor	Replace electronic PCB
150	I,s,s,I,s,I,s	(Cannot be read by the Truma Diagose Tool because they are not TIN capable)	Air temperature switch over-temperature or water temperature switch over-temperature	Electronic blocked: - Because the air temperature switch and / or water temperature switch opened during operation due to over-heating - Because the air temperature switch cable is damaged - Due to a short circuit of the combustion air temperature sensor (corresponds to temperatures > 215 °C)	- Check the heater for over-heating damage - Check the thermostat plate /air temperature switch / air temperature sensor for damage caused by overheating => Inform the customer service	- Check / replace the water temperature switch and water temperature sensor - Check / replace the air temperature switch / sensor and cable - Check / replace the circulating air motor	Replace electronic PCB
170	I,s,I,s,I,s,I,s		Voltage fluctuation / failure due to ignition procedure	- Power supply not constant - Ignition spark interfering with electronics - The electrode cable and the combustion air motor cable may not cross	- Apply clean 12 V power supply - Install earth cable, part. no.: 34020-57000 (see also service info CB_110925) - Ignitor must have orange label, otherwise replace ignitor	Replace the electronics if the error occurs again	
171	I,s,I,s,I,s,I,I		Failure due to ignition procedure	Ignition spark interfering with electronics	Ignitor must have orange label, otherwise replace ignitor	Check ignitor / flame rectification electrode cable for damage / replace	Replace electronic PCB

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#	Flashcode	Note	Error	Error information	1st action	2nd action	3rd action
178	I,s,I,I,s,s,I,s		Failure due to ignition procedure	Ignition spark interfering with electronics	Install earth cable, part. no.: 34020-57000 (see also service info CB_110925)	- Check ignitor / flame rectification electrode cable for damage - Replace check / adjust plug distances	Replace the old ignitor with a new one with a blue label and red point or a blue label and Index 05
184	I,s,I,I,I,s,s,s		Combustion air motor running at incorrect speed	Heater too hot or combustion air temperature sensor has incorrect value	Check heater for damage due to overheating	- Check gas supply - Check / replace circulating air motor, flue system and combustion air temperature sensor	Replace electronic PCB
202	I,I,s,s,I,I,s,I,s		1) Flame not detected 2) Poor earth or battery earth to the minus terminal Combi defective	1) Flame out or not detected (error may only occur after 3 - 5 minutes) - Magnetic valve nozzle pipe canted 2) Earth connection from the power supply is poor or does not exist	1) - Check gas supply - Check installation of solenoid valve 2) Check earth connection of power supply	Install earth cable, part. no.: 34020-57000 (see also service info CB_110925)	- Check flue system - Replace the ignition plugs - Replace electronic PCB
203	I,I,s,s,I,I,I,I		Flame not expected	Ionization voltage present in standby mode	Check solenoid valve (stuck in open position)	Replace electronics	
206	I,I,s,s,I,I,I,I,s		Dirty supply voltage	AC components in power supply	Check power supply, AC components also possible through power supply units or solar systems	Only operate heater with battery	Replace electronic PCB
207	I,I,s,s,I,I,I,I		Dirty supply voltage	AC components in power supply	Check power supply, AC components also possible through power supply units or solar systems	Only operate heater with battery	Replace electronic PCB

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208	I,I,S,I,S,S,S,S		Combustion air motor running too slow	Combustion air motor running too slowly or outside tolerance range	Replace electronic PCB (if the Index is lower than 4/12, 6/12)	Replace combustion air motor	
209	I,I,S,I,S,S,S,I		Combustion air motor running too fast	- Combustion air motor running too fast or outside tolerance range - Ignition spark interfering with electronics	Ignitor must have orange label, otherwise replace ignitor	Check ignitor / flame rectification electrode cable for damage / replace	Replace combustion air motor and / or electronic PCB
211	I,I,S,I,S,S,I,I		Flame unstable	Flame unstable during operation	Check gas supply	Check flue system	- Change ignition plugs - Change electronics
217	I,I,S,I,I,S,S,I		Electronic defective or combustion air motor running at incorrect speed	- Failure in electronic PCB - Combustion air motor defective - Cable harness defective	Check / replace cable harness	Replace combustion air motor	Replace electronic PCB
238	I,I,I,S,I,I,I,S	(Cannot be read by the Truma Diagose Tool because they are not TIN capable)	Combustion air temperature sensor overheating	Electronic blocked: - Because the combustion air temperature sensor became too hot during operation due to over-heating due to over-heating - Due to a short-circuit of the combustion air temperature sensor	Check heater for damage due to overheating	- Check / replace combustion air temperature sensor and cable harness - Check / replace circulating air motor	Replace electronic PCB
239	I,I,I,S,I,I,I,I	(Cannot be read by the Truma Diagose Tool because they are not TIN capable)	Water temperature switch over-temperature or air temperature switch over-temperature	Electronic blocked: - Because the water temperature switch and / or air temperature switch opened during operation due to over-heating	- Check the heater for over-heating damage - Check the thermostat plate / air temperature switch / air temperature sensor for damage caused by overheating => Inform the customer service	- Check / replace the water temperature switch and water temperature sensor - Check / replace the air temperature switch / sensor and cable - Check / replace the circulating air motor	Replace electronic PCB

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