

Fault code and solution for Belief Combi heaters

Fault Code	Fault Name	Fault Debug
10	Overvoltage fault	Check vehicle power supply system
11	Under voltage fault	Check vehicle power supply system
21	Warm air outlet temperature sensor disconnection	Check if the sensor is in good condition
22	Warm air outlet temperature sensor short circuit	Check if the sensor is in good condition
23	Water temperature sensor disconnection	Check if the sensor is in good condition
24	Water temperature sensor short circuit	Check if the sensor is in good condition
25	External temperature sensor disconnection	Check if the sensor is in good condition
26	External temperature sensor short circuit	Check if the sensor is in good condition
27	Combustion support temperature sensor disconnection	Check if the sensor is in good condition
28	Combustion support temperature sensor short circuit	Check if the sensor is in good condition
31	Combustion failure	a. Check diesel supply system
		b. Check whether combustion inlet and outlet are blocked
		c. Check the Ignition coil, ignition electrode,
		d. Flame sensor
32	Combustion failure	a. Check diesel supply system
		b. Check whether combustion inlet and outlet are blocked
		c. Check the flame sensor
33	Flame sensor fault	a. Check the flame sensor lead wire
		b. Check the flame sensor
34	Flame sensor broken circuit	a. Check thermocouple lead connection
		b. Replace thermocouple
		c. Replacement of motherboard
35	Flame sensor short circuit	a. Check thermocouple lead connection
		b. Replace thermocouple
		c. Replacement of motherboard
41	Warm air outlet overheats	Check whether air outlet is blocked
42	Warm air overheats switch protection	a. Check whether air outlet is blocked
		b. Check warm air overheat switch
43	Water overheat	a. Check whether water depletion in the tank
		b. Check if the sensor is in good condition
		c. Check whether air outlet is blocked
44	Warm air overheats switch protection.	a. Check whether air outlet is blocked.
		b. Check warm air overheat switch
45	Overheating fault	a. Check whether air outlet is blocked
		b. Check water temperature sensor
		c. Check warm air sensor
51	Communication fault	Check interconnecting cable
61	Oil Pump Break	a. Check whether the oil pump lead is damaged or not
		b. Check whether the connection of oil pump leads is reliable.
		c. Refurbishment oil pump
		d. Replacement of motherboard
62	Short circuit of oil pump	a. Check whether the oil pump lead is damaged
		b. Check whether the connection of oil pump leads is reliable
		c. Refurbishment oil pump
		d. Replacement of motherboard
63	Circuit Breaking of Electric Plug	a. Check the power supply voltage
		b. Check the resistance of the plug at room temperature (0.2/12V)
		c. Cleaning up Carbon Accumulation in Electric Plug
		d. Replacement of motherboard
65	Electric plug without drive	Replacement of motherboard
71	Gas valve failure	
72	Gas valve power failure	
81	Combustion support fan disconnection	Check combustion air blower
82	Combustion support blower boot failure	a. Check the blower motor lead wire
		b. Check combustion air blower
83	Combustion support blower spindle speed too low	Check combustion air blower motor
84	Warm air blower motor disconnection	Check warm air blower motor
85	Warm air blower motor boot failure	a. Check the blower motor lead wire
		b. Check warm air blower motor
86	Warm air blower spindle speed too low	Check warm air blower motor
91	Ignition broken circuit	a. Check igniter lead connection
		b. Replace igniter
		c. Replacement of motherboard
92	Ignition power supply failure	a. Check igniter lead connection
		b. Replace igniter
		c. Replacement of motherboard
93	Ignition circuit failure	a. Check igniter lead connection
		b. Replace igniter
		c. Replacement of motherboard

94	Gas valve circuit faulty	a. Check Gas valve lead connection
		b. Replace Gas valve
		c. Replacement of motherboard
110	Window alarm	Check window switch interconnecting cable
120	Low voltage alarm	Recommended charging
220	220V Connectionless	Check AC 220V/110V power supply system
168	Watchdog resets	No disposal is required
169	Abnormal power off	Power off the electric after shutdown 10 mins
238	No logical fault	No disposal is required
224	No start signal detected	No disposal is required

