

4.8 Fault codes (fault codes, flash codes)

- When the indicator lamp flashes, count the long flash pulses after the 5 short flash pulses.

Fault code (analogue)	Error message	Possible causes	Recommended action in workshop
F00 or 0	No component fault	Fuses	► Check fuses F1, F2
		Electrical wiring	► Check battery connections: + at 12 / - at 9 / + at 3 (switch-on signal), connector X8 ► Check control element: check contacts of W-bus cable (yellow)
		Heater lock-out	► Delete heater lock-out
		Control unit defective / incompatible	► Replace control unit
F01 or 1	No start	Fuel system	► Check fuel level
			► Check fuel filter
			► Check tank extracting device and fuel line for leaks
			► Bleed fuel system
		Combustion air / exhaust line	► Check combustion air/exhaust line for foreign objects and clean if necessary
		Burner unit	► Clean burner unit or replace if necessary
			► Check glow plug
F02 or 2	Flame failure	Fuel system	► Check fuel level
			► Check fuel filter
			► Check tank extracting device and fuel line for leaks
			► Bleed fuel system
		Burner unit	► Clean burner unit or replace if necessary
F03 or 3	Supply voltage too high	Power supply	► Check battery
			► Check electrical connections
F04 or 4	Flame was detected prior to combustion	The combustion chamber sensor detected a flame before combustion started	► Check for fault in air intake and exhaust systems ► Check for fault in the fuel system ► Check the electrical components of the glow plug
F06 or 6	Temperature sensor	Wiring	► Check wiring for damage, break and short-circuit ► Resistance check
		Temperature sensor defective	► Check the operation of temperature sensor and replace if necessary
F07 or 7	Fuel pump	Wiring	► Check wiring for damage, break and short-circuit
		Fuel pump DP42 faulty	► Replace fuel pump DP42
F08 or 8	Combustion air fan	Combustion air fan blocking guard	► Check the operation of the combustion air fan and change the combustion air blower if necessary
		Combustion air fan defective	► Replace combustion air fan

Fault code (analogue)	Error message	Possible causes	Recommended action in workshop
F09 or 9	The glow/ignition-element power circuit is defective	Wiring	► Check wiring for damage, break and short-circuit
		Glow plug defective	► Check the operation of glow plug and replace if necessary
F10 or 10	Heater overheats	Heater overheats	► Check coolant level, bleed coolant circuit
			► Check operation of coolant pump
		Overheating protection defective	► Check wiring for damage, break and short-circuit
			► Check operation of overheating protection, replacing if necessary
F11 or 11	Coolant pump short circuit	Wiring	► Check wiring for damage, break and short-circuit
	Interruption	U4847 Econ coolant pump defective	► Replace coolant pump
F13 or 13	Vehicle fan power circuit short circuit	Wiring	► Check wiring for damage, break and short-circuit
		Vehicle blower relay	► Check wiring for damage, break and short-circuit
			► Check the operation of vehicle fan relay and replace if necessary
F14 or 14	Overheat sensor short circuit	Wiring	► Check wiring for damage, break and short-circuit
	Interruption	Overheating sensor defective	► Check the operation of overheating sensor and replace if necessary
F15 or 15	The glow/ignition element circuit is defective	Wiring	► Check glow plug wiring for damage, break and short-circuit
		Glow plug defective	► Check the operation of glow plug and replace if necessary
F16 or 16	Exhaust gas temperature too high	Exhaust gas temperature sensor defective	► Check wiring for damage, break and short-circuit
			► Check operation of exhaust gas temperature sensor, replacing if necessary
		Heater fouled	Check burner ► Visual inspection with cleaning, replace burner if necessary ► Visual inspection with cleaning and replace the burner if necessary
			► Visual inspection with cleaning of inner heat exchanger surface (replace the heat exchanger if necessary)
F17 or 17	Exhaust gas temperature sensor break or short circuit	Wiring	► Check wiring for damage, break and short-circuit
		Exhaust gas temperature sensor defective	► Check operation of exhaust gas temperature sensor and replace it if necessary