

4. Trouble shooting

4.1 Esprecious machine errors

code	description	detection	suspected components
00000	communication error bus system	the bus systems circuit is interrupted	<ul style="list-style-type: none"> • all bus cables • canister motor • mixer motor • mainboard • touch screen
00001	canister motor runs insufficiently	no rotation of the canister motor detected by the software	<ul style="list-style-type: none"> • resistance in canister too high due to much powder in canister • canister motor • mainboard
00101	mixer motor runs insufficiently	no rotation of the mixer motor detected by the software	<ul style="list-style-type: none"> • mix system clogged • mixer motor • mainboard
00201	low-pressure pump runs insufficiently	light sensor receives not enough pulses for too long a time	<ul style="list-style-type: none"> • low pressure pump • blockage (scale) low pressure pump • encoder blocked • wiring • mainboard
00401	grinder runs insufficiently	the software has not received pulses from the hall sensor for too long a time	<ul style="list-style-type: none"> • grinder blocked, something between the grinder discs • grinder motor • hall sensor • wiring • mainboard
00402	grinder is incorrectly controlled	if a semiconductor on the mainboard gets defect the grinder runs unjustified	<ul style="list-style-type: none"> • mainboard • coffee (static) around the hall sensor
02001	filling process takes too long	the water inlet valve was open for 20 seconds in succession and the float did not rise	<ul style="list-style-type: none"> • water tap not opened • water supply hose kinked • water pressure too low • water flow too low • inlet valve • wiring • float
02002	fill up 3 times without selection	float is activated 3 times and no drink is selected	<ul style="list-style-type: none"> • leakage in the water system • machine is moved • water is boiling • mainboard • float
02101	break temperature sensor boiler	a NTC measures a resistance that is higher than normal	<ul style="list-style-type: none"> • temperature sensor • wiring • mainboard

code	description	detection	suspected components
02102	short-circuit temperature sensor boiler	a NTC measures a resistance that is lower than normal	<ul style="list-style-type: none"> • temperature sensor • wiring • mainboard
02201	no pulse detection water selector sensor	the light sensor receives not enough pulses for too long a time	<ul style="list-style-type: none"> • scale inside water selector • motor water selector • light sensor • wiring • mainboard
02202	water selector in wrong position	the hot water selector cannot find its zero position	<ul style="list-style-type: none"> • scale inside water selector • water rotation disc
04101	communication error brewer	the espresso brewer has not been receiving messages for too long	<ul style="list-style-type: none"> • software
04102	break temperature sensor brewer	the NTC of the brewer heating is measuring an unrealistic resistance	<ul style="list-style-type: none"> • brewer heating • wiring
04103	short-circuit temperature sensor brewer	the brewer heating element is using too much power	<ul style="list-style-type: none"> • brewer heating • wiring
04104	brewer does not move	the espresso brewer mechanism is not reaching the desired position or one of the light sensors is not receiving any pulses	<ul style="list-style-type: none"> • brewer motor • screws of the brewer motor to tight • belt between the gears to tight • coffee grind on the axe of the brewer
04201	water meter gives no pulses	pulses from the flow meter have not been measured for too long a time	<ul style="list-style-type: none"> • the head of the high pressure pump is stuck <ul style="list-style-type: none"> » In some cases the head of the pump can be released by turning the screw on the backside of the motor of the high pressure pump • scale • magnetic valve (on the boiler) • wiring • water counter
10001	general I/O error	the I/O module is reporting an error	<ul style="list-style-type: none"> • mainboard • software

4.2 Esprecious L (FreshMilk) machine errors

code	description	detection	suspected components
00701	filling process steam boiler takes too long	the water inlet valve of the steam boiler is opened for a short period and the electrode inside the steam boiler does not detect water	<ul style="list-style-type: none"> • water tap not open • water hose kinked • water pressure too low • inlet valve • blockage in the water system/steam boiler
00702	steam boiler does not pressurize	the steam boiler does not get on pressure within an amount of time	<ul style="list-style-type: none"> • reset pressure switch manually • steam boiler • mainboard • wiring • relay
00703	steam boiler error	the electrode inside the steam boiler keeps measuring water whilst during some period milk drinks are prepared. If this happens it could indicate that there's a problem in the water detection and the steam boiler could boil dry	<ul style="list-style-type: none"> • inlet valve • electrode • wiring
00704	milk pump error	the milk pump runs insufficiently	<ul style="list-style-type: none"> • milk pump • wiring • mainboard
00705	the steam boiler fills up 3 times without selection	the magnetic inlet valve of the steam boiler is opened 3 times within a short period and no drink has been selected, this indicates that there is a leak in the water system of the steam part of the machine	<ul style="list-style-type: none"> • steam valve • steam boiler • hoses
00706	the steam boiler builds up too much pressure during the filling process	the machine is switched on or when it comes out of Eco mode, pressure is built up in the steam boiler. If the pressure builds up too quick, the software intervenes by opening the steam valve for a short time. If the pressure is still too high the error will appear	<ul style="list-style-type: none"> • steam valve • steam boiler
		the steam valve does not open (sticks or defect)	<ul style="list-style-type: none"> • steam valve