LAVAZZA TECHNICAL SERVICE

LB 2312

Lavazza Blue Quick Guide

IMPROVEMENTS AND CHANGES
DETAILED OVERVIEW

EXTERNAL MAIN FEATURES

	Double Spout
	Graphic LCD Screen
	New built-in **pannarello**, for steam and Hot water **Hot water** = max 400 cc @ 170'F
	Capacitive touchscreen **4** pre-programmed and adjustable capsule **drinks** available: - **Single** = circa 35 cc - **Long** = circa 55 cc - **Double** = circa 75 cc - **Free** = circa 270 cc
	Anti-scretch and easily removable new **drawer lid**
	**Front door** with key for immediate access to the brewing chamber (drawer has to be taken off first)
	Water level **capacitive sensor** instead of magnetic float **Spare keys** (four intead of two) **Cup warmer** software control (on/off)

OVERALL PERFORMANCE OUT OF THE BOX

- ✓ **Faster brewing cycles** – more powerful motor and improved performance
- ✓ Self **rinsing cycle** as the machine – not warm – is turned on; approx 2oz of water is used
- ✓ **Daily** Brewing Chamber rinsing cycle
- ✓ **Capsule drawer** reset time is 5 seconds; message 'Emptying...wait please' appears while removed then 'Insert drawer' appears when finished
- ✓ **Water filter** not pre-installed
- ✓ It is recommend to **brew coffees first then froth milk** to avoid the machine to produce the gurgling noise, necessary for the boiler to restore the proper temperature;

SOFTWARE

All menu's look very similar to the 2210's.

Some basic features are easily accessable by the User, some other new features are available into the programming/service menu:

USER MENU

Pres and hold Menu at anytime to have immediate access to the basic functions

1. Language
2. Cup Heater (factory setting = **NO**)
3. Manual Group rinsing cycle
4. Automatic Daily Group rinsing cycle (factory setting = **YES**)
5. Decalcifying cycle
6. Stand-by (factory setting = **YES**, after 60 minutes)
7. Exit

PROGRAMMING FUNCTIONS

Turn the machine on, as the sand-clock appears press and hold the following buttons to access the menu:

1. Programming Menu (password = 0000)
   - 1.2. Setup
     - 1.2.5.2. **Descaling cycle** ON/OFF (factory setting = **ON**)
       Message appears after 120 liters of use
     - 1.2.6. **Filter** Warning ON/OFF (factory setting = **OFF**)
       Set to ON prior use
     - 1.2.9. **Delay** time to empty the **tray** (factory setting = **5** sec)
   - 1.3. **Stand-by** or energy saving ON/OFF (factory setting = **ON**, 60 minutes)
     The machine switches to sleep mode after 60 min;
   - 1.4. **Cup warmer** ON/OFF (factory setting = **OFF**)

2. Service Menu (password = 0000)
   - **2.4. Daily rinsing cycle** ON/OFF (factory setting = **ON**)
   - **2.7 Error Log** max 5 errors

3. Exit

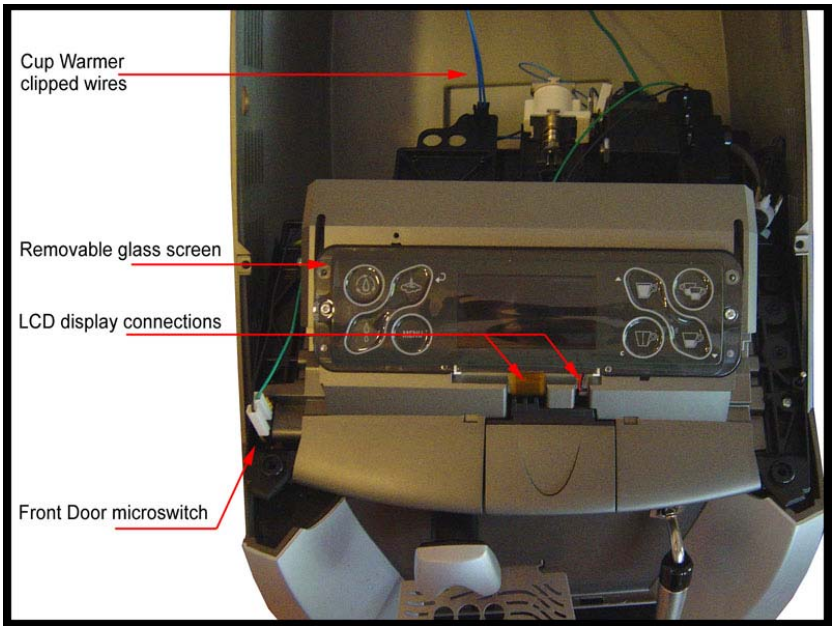
TEST MODE

Turn the machine on, as the sand-clock appears press and hold to access the Test Mode:

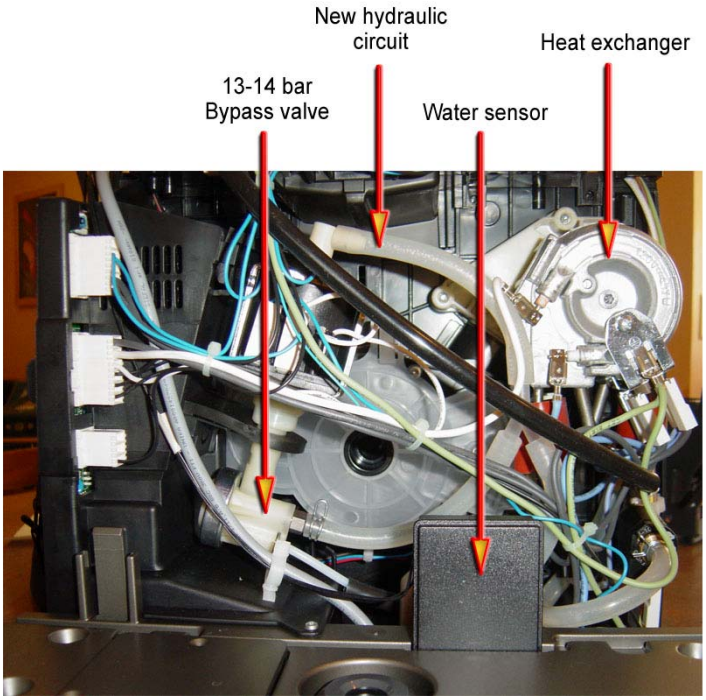
- **Sensor 9 = front door microswitch**

HARDWARE

	The microswitch that senses the door open or closed can be easily found on the top-left corner, as shown in the picture. This sensor is directly connected to the CPU card. The Test Mode identifies this sensor with the number 9
	To remove the top shell, the lock has to be removed first. From inside, unscrew the hook and the nut then push the lock out.
	All screws are Torx T10, for a total of 10. Unscrew the 4 front screws first, as indicated in the picture, then the usual 6 side screws from the bottom (like the 2210) The picture below shows the main visible parts with the shell removed.



HARDWARE



Looking at the back of the machine, the differences than the LB2210 are immediately visible:

BYPASS HYDRAULIC CIRCUIT

The expansion valve underneath the pump opens at 13-14 bars instead of 20. The extra water is then released and recycled into the Tank-Pump hose.This new system prevents the extra pressure from building up directly in the brewing chamber causing damage

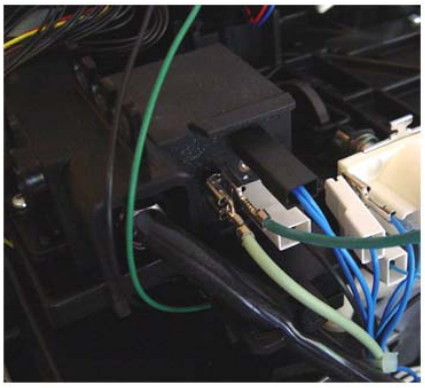
HEAT EXCHANGER

Two temperature limiters in series instead of three

WATER SENSOR

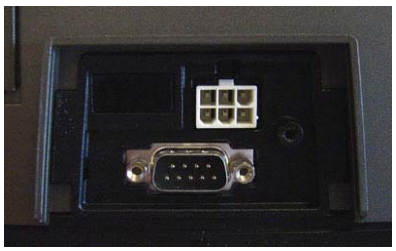
This capacitive sensor is held by a clip and directly wired to the CPU board

Steam valve



Pump protection (120'C)

Programming and payment system ports

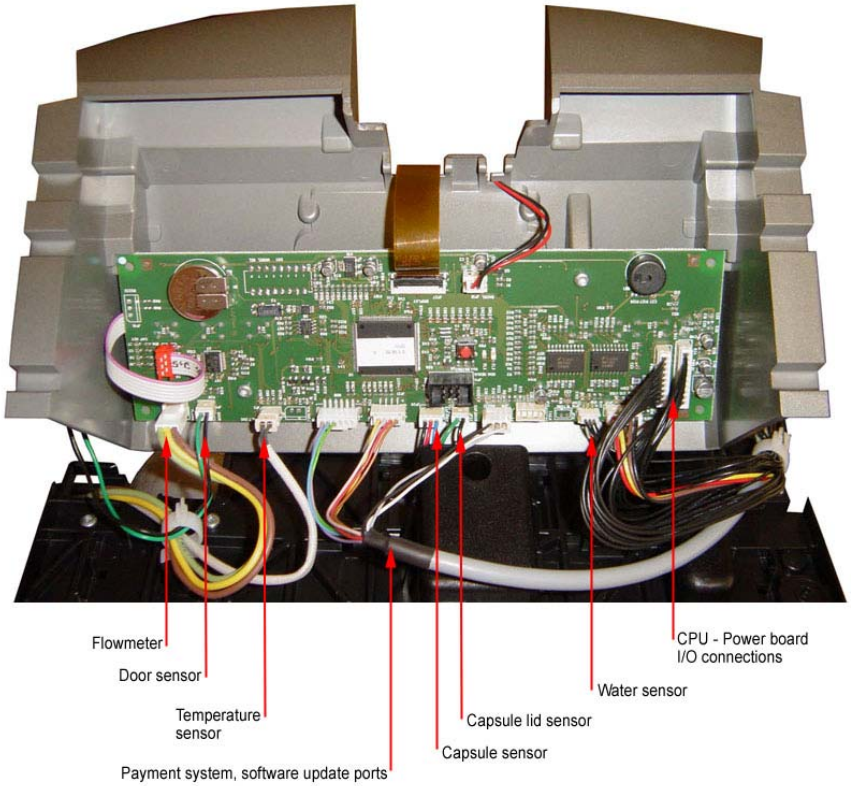


Programming / software upgrade ports and payment system receptacle available from the back.

To learn more about the software upgrading procedure and how to connect the payment system, please refer to future the Service Information and Maintenance Manuals when available from the Lavazza Technical Service Website.

HARDWARE

CPU

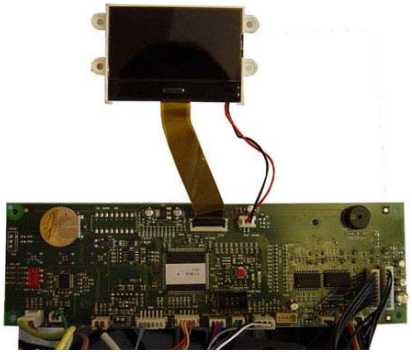


The access the CPU squeez the sides of the case and flip it upside down paying attention to the cables.

On the left, pleae notice the ribbon cable connected to the LCD screen.

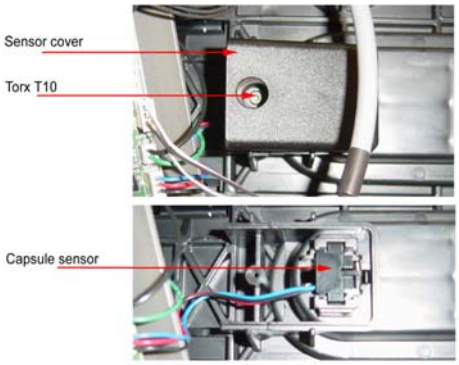
The keypad can be removed by unscrewing the two side Torx T10 screws. Disassembling this part from its display is a delicate operation due to the ribbon cable connects this to the CPU board.

Note the ribbon cable connected to the CPU



CPU Card with LCD screen removed from it's slot. Please note the central reset button, the battery on the left and the buzzer on the right.

Also, note there's no jumper for CPU/machine configuration. To learn more, please refer to the Maintenance Manual when available.



The capsule sensor is covered with a plastic lid that can be removed by a Torx T10 screw