

Replacing a BA-99

Overview: To replace the main circuit board (BA-99) within the machine.

Tools Needed: 1 small flat head screwdriver, 1 small Phillips head screwdriver

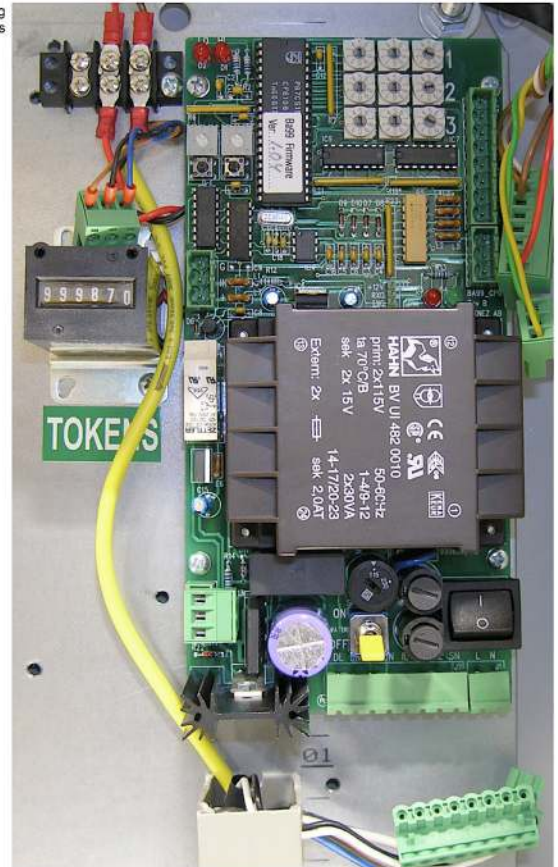
Step 1: Remove the terminals from the circuit board as outlined below

Note: All the wires are attached to the circuit board via terminal strips that unplug, there is no need to unscrew any wiring.



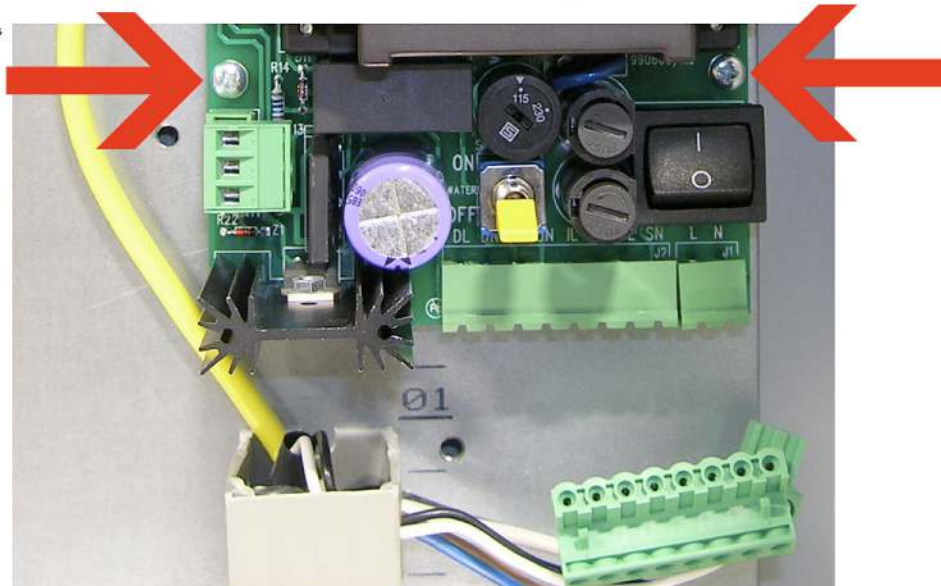
before removing
the terminals

after removing
the terminals



Step 2: Locate the 4 screws which hold the circuit board to the mountain plate and use the phillips head screwdriver to remove them, two examples of these screws are outlined below. Once you have removed these screws; carefully remove the old BA-99 circuit board and replace it with the new one. Replace mounting screws and terminals to the correct positions.

mounting screws

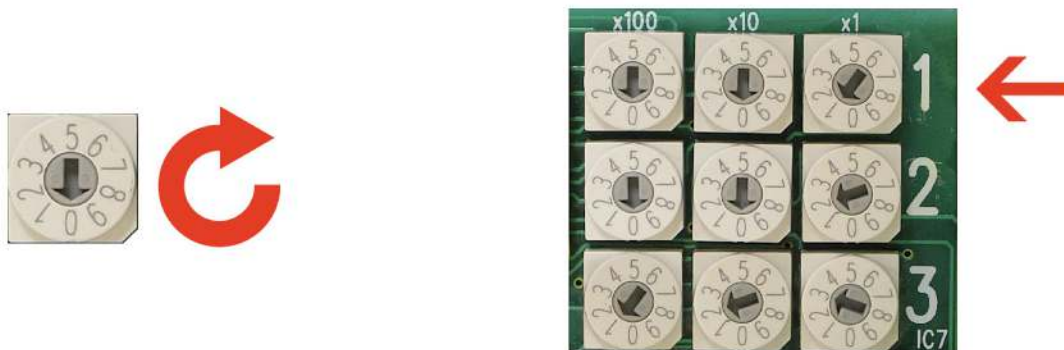


Replacing a BA-99

Overview: To replace the main circuit board (BA-99) within the machine.

Tools Needed: 1 small flat head screwdriver, 1 small Phillips head screwdriver

Step 3: To adjust the ball count; use the flat head screwdriver to adjust the bucket configuration to match what was previously on the older BA-99 circuit board. To set the desired amount of rows of balls dispensed; arrange the dials from left to right to read the total number.



NOTE: The following instructions only apply to ball dispensing machines which use a white belt to dispense balls one at a time, in whichever count specified. If your ball dispensing machine uses an arm to drop the specified count you are completed with replacing the BA-99 circuit board.

Step 4: To adjust the speed of the machine, locate these dials; insert the screwdriver into the arrow and rotate clockwise (as shown in the diagram below) to increase the speed, rotate the dial counter clockwise to decrease the speed.



Step 5: Adjust both dials so that the speed desired is a constant thru the start, duration, and end of dispensing cycle.

Optimal performance is reached when dials are set so the machine dispenses balls slightly quicker during startup and slows down for the completion of the cycle.