JDF S Preventive Maintenance

In order to maintain proper operation and long service life BUNN recommends performing the preventive maintenance every 6 months. Individual customers will vary with some customers choosing not to receive preventive maintenance. Some of the PM items may require more frequent maintenance depending on the site conditions.

Tools Required:

- Flat blade screwdriver
- 8 inch crescent wrench (2)
- Needle Nose Pliers
- Velcro Tape
- Graduated measuring cup
- Refractometer
- Thermometer
- Flashlight
- 5 gal. bucket
- Tube PM Kit BUNN PN: 39690.0000 (1 per dispense station)
- Kay-5 Sanitizer (50 Count BUNN P/N: 24634.0001) (200 Count BUNN P/N: 24634.0000)
- BUNN refillable container (BUNN P/N: 39302.0000)
- Condenser Cleaner
- Rubber gloves
- Safety goggles or face shield
- Fin Comb
- Mild non abrasive detergent and cloth
- Vacuum with soft brush attachment

Prior to servicing the brewer:

- Sanitize the dispenser before you begin the preventive maintenance process.
- Disconnect the water and electrical supply.
- Assess placement of dispenser to perform PM process.
- Check and make sure you have the necessary safety equipment of cleaning the condenser.
- Remove the lower splash panel.
- Remove the right side panel.

PM Steps

Step1: Remove inlet valve connector fitting and clean inlet valve strainer.

- □ Using your hand and unscrew the valve adapter fitting and set aside.
- □ Using the needle nose pliers gently grab the strainer tab and pull the strainer out of the valve.
- □ Clean and rinse strainer of any sediment or mineral build-up.
- □ Re-installation is the opposite of removal.

Step 2: Replacement of lamp in lighted door assembly.

- □ Using a flat blade screwdriver, remove the five screws securing the outer door cover to the inner door.
- □ Disconnect the door switch connector or connectors from the auxiliary switch CBA and set door cover aside.
- □ Gently grab the failed lamp and rotate half turn until lamp connection studs are aligned up with lamp socket opening and remove lamp.
- □ Re-installation of new lamp is the opposite of removal.

Step 3: Remove and clean the mesh air filter.

- □ Using your hand, grab the mesh filter triangle handle and pull the air filter from the dispenser.
- □ Wash the air filter in warm soapy water and dry.
- □ Using a flashlight, shine the light through the condenser to check for dirt between the fins. Inspect condenser fins for straightness. Go to the next step of Cleaning the Condenser.
- □ Inspect Velcro straps for adhesion to air filter and dispenser and be ready to replace after cleaning of the condenser.

Step 4: Cleaning the condenser.

- □ Using a soft cleaning brush attachment, gently vacuum the condenser coil fins.
- □ Using a flashlight, shine the light through the condenser fins to re-check for cleanliness or dirt between the fins.
- □ Heavy build-up of grease in the condenser may require the use of a commercial condenser cleaner.
- □ Follow the manufacture warning and safety instructions along with how to instructions supplied with the cleaner.

Step 5: Replacing the peristaltic pump tubing.

- □ Open dispenser door.
- □ Remove all product containers and place them in a refrigerated, (35-40º F [1.6-4.4º C]), environment. Disconnect all connections to ambient products from the bottle adapter.
- □ Rinse all dispense stations using steps outlined in “DAILY RINSE PROCEDURE” in the operating manual.
- □ Disconnect dispenser from power source.
- □ Remove the dispense platform cover.
- □ Disconnect the dispense platform water line(s) from the supply line inside the refrigerated cabinet and disconnect the wiring connection(s) from the cabinet receptacle(s).
- □ Remove the mounting screw(s) securing the dispense platform(s) to the cabinet.
- □ Pull the dispense platform(s) completely out of the cabinet and place it on a flat work surface.
- □ Close the dispenser door.
- □ Remove the 4 screws securing the pump head.
- □ Gently pull the pump head apart.
- □ Gently pull the pump tube from around the pump’s rotor.
- □ Release the clamps securing the old pump tubing to the plastic elbows.
- □ Pull the plastic elbows from the old pump tubing, and discard the old pump tubing.
- □ Insert the plastic elbows into the new pump tubing and secure it with the clamps.
- □ Gently wrap the new pump tubing around the pump’s rotor.
- □ Reassemble the pump housing onto the platform assembly.
- □ Repeat this process for the remaining pumps.
- □ Replace the dispense platform(s) into the refrigerated cabinet, making sure to reconnect all electrical and water connections.
- □ Replace the dispense platform cover.
- □ Turn power on to dispenser.
- □ Install containers of rinse water, run each station and check for leaks. Repair leaks as necessary.
- □ Replace product shelf and product containers. Reconnect any connections to ambient product containers.
- □ Prime the pumps.

Step 6: Follow the daily parts washing procedure in the operating manual.

- □ Remove and wash the dispense nozzle(s); mixing element(s), drip tray and drip tray cover in a mild detergent solution. Rinse thoroughly.
- □ Wipe splash panel, areas around dispense nozzle(s), and refrigerated compartment with a clean, damp cloth.
- □ Inspect door seal gasket for wear and cleanliness.

Step 7: Examine all electrical connections and power cord for loose connection.

Step 8: Examine all water lines and supply for leakage.

Step 9: Check cabinet temperature with thermometer (Note: The dispenser must be on to perform this step).

- □ Install thermometer in cabinet and monitor temperature to see if it comes down below 41 degrees Fahrenheit. Good idea always to leave thermometer in cabinet to monitor proper cooling process and temperature.
- □ Check for proper air flow inside cabinet around product.

Step 10: Check product mix brix/ratio in their corresponding dispense station (Note: The dispenser must be on to perform this step).

- □ Water Flow Test and Adjustment
  Step 1: Place the pitcher beneath the dispense nozzle you are testing.
  Step 2: Place the “Dispense Lockout” switch in the Off position.
  Step 3: Press and release the appropriate dispense button, (“Stop/Plus” button if using portion control option). The machine will dispense water from the dispense nozzle for 3 seconds.
  Step 4: Measure the water dispensed.
  Step 5: Adjust the water flow if needed, (see water flow chart in the “Installation and Operating Guide”). Clockwise will increase flow rate and counterclockwise will decrease the flow rate.

Step 6: Mark the quantity of water dispensed on the total dispense ratio chart.

- □ Total Dispense Test
  Step 1: Place the pitcher beneath the dispense nozzle you are testing.
  Step 2: Place the “Dispense Lockout” switch in the Off position.
  Step 3: Press and release the dispense button, (“Stop/Plus” button if using portion control option), 6 times.
  Step 4: Measure the amount of liquid dispensed.
  Step 5: Mark the quantity of liquid dispensed on the total dispense ratio chart.
- □ Pump Speed Adjustment
  Step 1: Disconnect the machine from the power source.
  Step 2: Remove the drip tray.
  Step 3: Remove the splash panel by removing the screws holding it in place.
  Step 4: Locate the adjustment knobs on the control board. Turn the knob, associated with the dispense station you wish to adjust, clockwise to increase the pump speed and counterclockwise to decrease the pump speed. Increasing the pump speed will increase the amount of product dispensed giving you a higher total dispense, decreasing the pump speed will have the opposite affect.
  Step 5: Conduct the total dispense test to determine if more of an adjustment is needed. If no further adjustments are required replace the splash panel.
- □ Temperature Compensated Refractometer Method
  Step 1: Adjust the water flow as described in Water Flow Test and Adjustment.
  Step 2: Place an empty container under the appropriate dispense nozzle.
  Step 3: Press and hold the “Product Dispense Switch”, until water and concentrate begin flowing freely from the dispense nozzle.
  Step 4: Discard the product caught previously and place the empty container back under the dispense nozzle.
  Step 5: Press and hold the “Product Dispense Switch” until the cup is filled.
  Step 6: Stir the contents of the cup, and use the refractometer (according to the manufacturer’s instructions) to check the brix %.
  Step 7: Adjust the pump speed (down to decrease the brix %; up to increase the brix %) to achieve the correct brix % as described in Pump Speed Adjustment.

Step 11: If customer has a BUNN water filtration system installed before the dispenser, replace the filter or filter cartridge.