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INSTRUCTION MANUAL FOR CONVERSION FROM STANDARD SLIMLINE II TO ELECTRIC PUSHBUTTON SLIMLINE II FOR UNITS EQUIPPED WITH SOLD OUT

Kit Part Number 82-1666-01

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1. GENERAL DESCRIPTION – ELECTRIC PUSH-BUTTON SLIMLINE II

The electric pushbutton system provides for manual dispensing of any drink size per dispensing station. Manual dispense capability is provided by holding pressure on the "PUSH" touch switch.

2. CONVERSION INSTRUCTIONS

2.1 TOP COVER REMOVAL

- A. Flush both sides of unit.
- B. Turn key switch "OFF" and unplug the unit power cord from the electrical outlet.
- C. Remove both lids and pump motor cover plate.
- D. Remove check valves from concentrate tubes.
- E. Remove concentrate containers.
- F. Remove paddles, drip tray and splash plate.
- G. Remove three (3) screws holding top cover to frame at front of unit directly behind splash plate.
- H. Loosen three (3) screws (*DO NOT REMOVE*) holding top cover to frame at rear of unit.
- I. Remove the control box cover.
- J. Disconnect electrical connectors to each pump housing, Sold Out sensor and reset switch.
- K. Disconnect the pump motor speed wire harness from the middle position of the PCB in the control box by grasping the housing. **Do not try to remove by pulling the wires.**
- L. Disconnect water solenoids by unscrewing the white plastic nut located directly above the

This manual is an initial release.



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solenoid coil.

- M. Lift pump assemblies (along with check valves, solenoid fittings and elbows) out of the top cover and set aside.
- N. Gently lift top cover (PN 54-0047) off of dispensing unit being careful not to tangle the wire leads to the motors or PCB motor assembly.
- O. Lay top cover on flat surface with bottom plate exposed.

2.2 MOTOR SPEED PCB REPLACEMENT

- A. Remove (7) screws that attach the bottom plate to the top cover.
- B. Gently remove bottom plate (PN 05-0438) along with motor speed harness.
- C. Remove motor speed PCB and harness and replace with new motor speed PCB (PN 52-2812). Feed harness through hole previously occupied by flush switch. Mount new PCB with two (2) screws (PN 04-0470).
- D. Fit timer harness (PN 52-2810) into place on bottom plate by pushing grommet into groove in the back of the plate. The 12-pin connector-end goes out of the back of the plate and the 10-pin connector-end feeds through the flush switch hole.

2.3 TOP COVER MODIFICATION AND REASSEMBLY

- A. Remove two (2) front fittings with O-Rings from top cover.
- B. Reinstall long fittings with O-Rings (PN 54-0117) on top cover.
- C. Replace modified bottom plate on top cover and secure with one (1) screw only [out of the original seven (7)] in back center of bottom plate.
- D. Lower control panel assembly (PN 54-0197) into place on the bottom plate, feeding the two harnesses through the rectangular hole in the center of the control panel.
- E. Secure the control panel assembly in place with screws (PN 04-0310) in the front left, front right and back center screw positions.
- F. Connect the electric pushbutton switch, the flush switch harness, the motor speed harness, and the timer harness to the PCB on the mounting plate assembly (PN 82-1668).
- G. Lower the mounting plate assembly into place on the control panel assembly and secure it with screws (PN 04-0625) in the three (3) screw positions.

2.4 FINAL ASSEMBLY

- A. Disconnect and remove sensor sub-assemblies and paddle input harness.
- B. Replace modified top cover assembly on top of unit.
- C. Connect timer harness (refer to Section 3.2 D) to main control PCB assembly where the motor speed/flush and sensor wiring harnesses were connected. [The single connector plugs into two (2) connectors on the main PCB.]
- D. Reconnect electrical connectors to each pump housing, Sold Out sensor and reset switch.
- E. Reconnect water solenoids by screwing the white plastic nuts located directly above the solenoid coils.
- F. Replace the control box cover.
- G. Tighten three (3) screws holding top cover to frame at rear of unit.
- H. Replace three (3) screws holding top cover to frame at front of unit directly behind splash plate area.
- I. Replace drip tray, splash plate and concentrate containers.
- J. Replace check valves in concentrate tubes.
- K. Replace both lids, plug unit power cord in electrical outlet, and turn key switch ON.

3. TROUBLESHOOTING – ELECTRIC PUSH-BUTTON SLIMLINE II ONLY

NOTE

The same Main Control PCB is used in all Slimline models. Refer to the Slimline Manual for Trouble Shooting the Main Control PCB.

The electric pushbutton system acts like the paddle inputs to a standard Slimline. All of the other inputs and outputs to the main control PCB are the same for both units. The electric pushbutton PCB provides: 1) interconnection for the motor speed PCB to the main control PCB; 2) interconnection for the flush switch to the main control PCB; and 3) power to dispense product. The power source of +12 VDC is taken from the main control PCB. Pressing an electric pushbutton dispense touch switch allows power to start the pump motor to run, the water solenoid to open, and locks out any other selection being made. When the

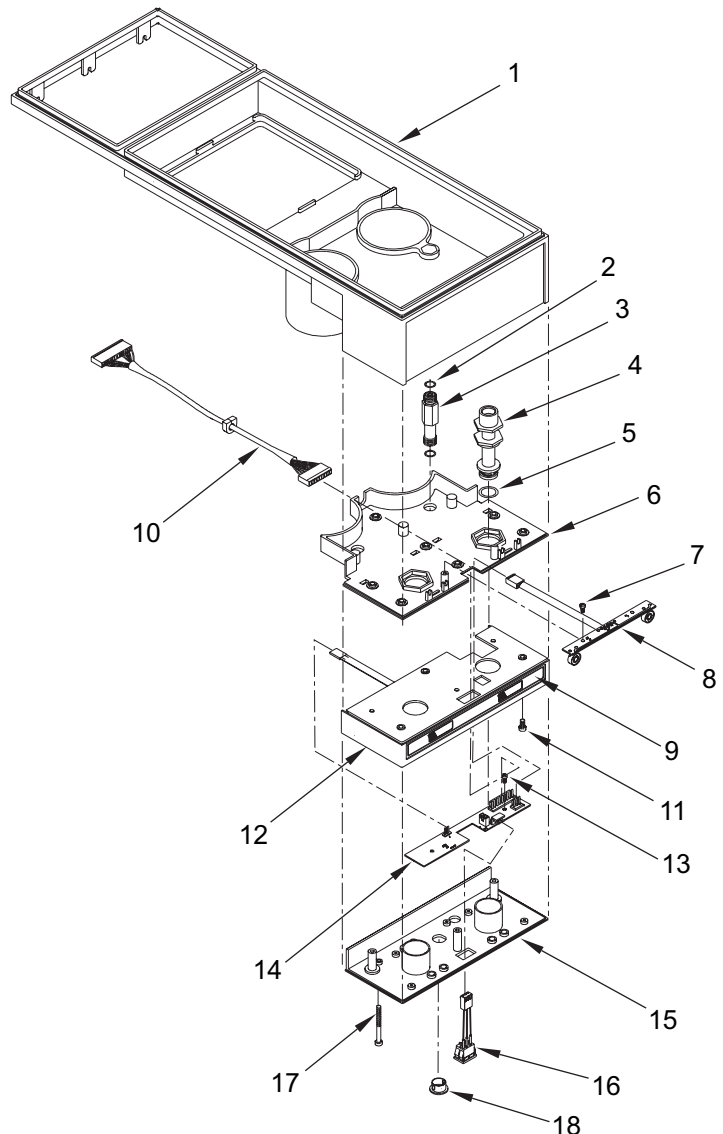
pushbutton is released the cycle is complete, the pump motor stops, water solenoid closes, and a new selection can be made. A circuit is provided to prevent an unwanted dispense when power is first supplied by turning the key switch ON. This circuit stops any drink selection for the first 4 seconds after the key switch is turned ON.

TROUBLE	CAUSE	REMEDY
3.1 Dispense OK, no flush eitherside.	Flush switch connector loose/not connected.	Connect flush switch connector to the pushbutton PCB.
3.2 Flush OK, no dispense either side (no water and no concentrate).	Front panel touch switch not connected.	Connect front panel touch switch to the pushbutton PCB.
3.3 Dispense water OK. Concentrate pumps do not run either side.	Motor speed control PCB not connected to PCB.	Connect the motor speed control to the pushbutton PCB.
3.4 No dispense water, no concentrate, and no flush. Main control PCB has power. (Red and green lights ON.)	Pushbutton PCB to main control PCB wiring harness not connected.	Connect the pushbutton PCB to main control PCB wiring harness.

4. ILLUSTRATIONS AND PARTS LISTINGS

4.1 SLIMLINE ASSEMBLY WITH ELECTRIC PUSHBUTTON PCB

ITEM	PART NO.	DESCRIPTION
1	54-0047	Sub Assy, Top Cover
2	02-0005	O-Ring
3	05-0453	Inlet Fitting, Solenoid
4	05-0510	Fitting, Front
5	02-0109	O-Ring
6	05-0438	Plate, Bottom
7	04-0470	Screw
8	52-2812	Speed Control, Motor
9	12-0207	Switch
10	52-2810	Timer To PCB Harness
11	04-0310	Screw
12	54-0197	Panel Assy, Control
13	04-0488	Screw
14	52-1543	PCB Assy Pushbutton
15	05-0464	Plate, Mounting
16	52-0736	Switch Harness, Flush
17	04-0625	Screw
18	05-1130	Plug, Hole



NOTES

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