

**PBD IDC 255 - BASE UNIT
Installation Manual**

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RECYCLE

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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SAFETY INSTRUCTIONS

SAFETY OVERVIEW

- Read and follow **ALL SAFETY INSTRUCTIONS** in this manual and any warning/caution labels on the unit (decals, labels or laminated cards).
- Read and understand ALL applicable OSHA (Occupational Safety and Health Administration) safety regulations before operating this unit.

SAFETY ALERT SYMBOL

	<p><i>This is the safety alert symbol. When you see this in the manual or on the unit, be alert to the potential of personal injury or damage to the unit.</i></p>
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Types of Alerts

 DANGER	<p>Indicates an immediate hazardous situation which if not avoided WILL result in serious injury, death or equipment damage.</p>
 WARNING	<p>Indicates a potentially hazardous situation which, if not avoided, COULD result in serious injury, death, or equipment damage.</p>
 CAUTION	<p>Indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury or equipment damage.</p>

SAFETY TIPS

- Keep safety signs in good condition and replace missing or damaged items.
- Learn how to operate the unit and how to use the controls.
- **Do not** let anyone operate the unit without proper training. This appliance is **not** intended for use by very young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
- Keep your unit in proper working condition and do not allow unauthorized modifications to the unit.

QUALIFIED SERVICE PERSONNEL

 WARNING	Only trained and certified electrical, plumbing and refrigeration technicians should service this unit. All wiring and plumbing must conform to National and Local Codes. Failure to comply could result in serious injury, death or equipment damage.
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SAFETY PRECAUTIONS

This unit has been specifically designed to provide protection against personal injury. To ensure continued protection observe the following:

 WARNING	Disconnect power to the unit before servicing following all lock out/tag out procedures established by the user. Verify all the power is off to the unit before any work is performed. Failure to disconnect the power could result in serious injury, death or equipment damage.
 CAUTION	Always be sure to keep area around the unit clean and free of clutter. Failure to keep this area clean may result in injury or equipment damage.

Shipping And Storage

 CAUTION	<p>Before shipping, storing, or relocating the unit, the unit must be sanitized and all sanitizing solution must be drained from the system. A freezing ambient environment will cause residual sanitizing solution or water remaining inside the unit to freeze resulting in damage to internal components.</p>
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CO2 (Carbon Dioxide) Warning

 DANGER	<p>CO₂ displaces oxygen. Strict attention MUST be observed in the prevention of CO₂ gas leaks in the entire CO₂ and soft drink system. If a CO₂ gas leak is suspected, particularly in a small area, IMMEDIATELY ventilate the contaminated area before attempting to repair the leak. Personnel exposed to high concentrations of CO₂ gas experience tremors which are followed rapidly by loss of consciousness and DEATH.</p>
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Mounting in or on a Counter

 WARNING	<p>While installing the unit in or on a counter top, the counter must be able to support a weight in excess of 1,000 lbs. to insure adequate support for the unit. Failure to comply could result in serious injury, death or equipment damage.</p>
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Unit Location

 CAUTION	<ul style="list-style-type: none"> • This unit is not designed for use in outdoor locations. • The appliance must be placed in a horizontal position. • The appliance is not suitable for installation in an area where a water jet would be used.
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Machine Usage

 CAUTION	<ul style="list-style-type: none"> • This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. • Children should be supervised to ensure that they do not play with the appliance.
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IDC 255 BASE UNIT - OVERVIEW

PURPOSE OF THIS MANUAL

The purpose of this manual is to provide factory service technicians with the requirements, considerations and installation activities necessary to convert an IDC 255 Base Unit to a Renew unit using the IDC 255 Renew Kit (629097627) or to convert an IDC 255 Base Unit to a Flavor Shot unit using the IDC 255 Renew Kit (629097627) and IDC 255 Fluidics Kit (629097628).

NOTE: An IDC 255 legacy unit can also be converted to a Renew or Flavor Shot unit using the IDC 255 Renew Kit (629097627) or the IDC Fluidics Kit (629097628) kit. See the IDC 255 Reman Unit installation manual (629097628INS) for details.

IDC 255 MODEL DESCRIPTIONS

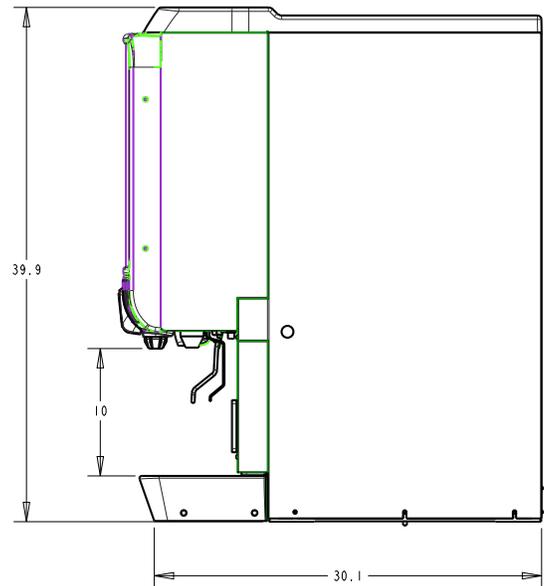
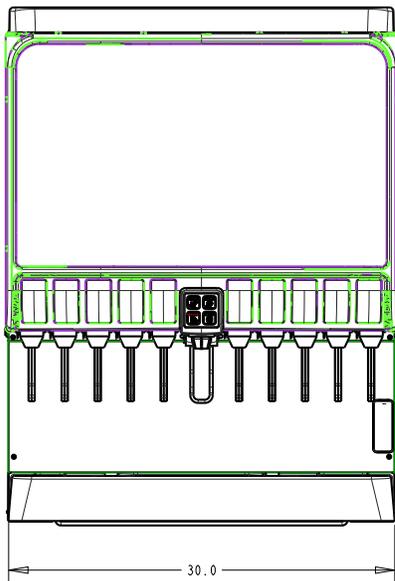
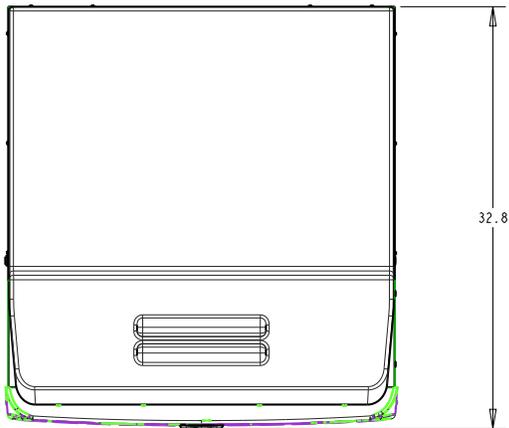
The IDC 255 Base Unit provides a foundation for establishing one of the following IDC 255 Ice/Beverage Dispenser models as a result of factory installation activities using the IDC 255 Base Unit and the IDC 255 Renew Kit (629097627) or IDC 255 Fluidics Kit (629097628).

- IDC 255 Renew Model (8VLV)
- IDC 255 Renew Model (10VLV)
- IDC 255 Flavor Shots Model (8VLV)
- IDC 255 Flavor Shots Model (10VLV)

IDC 255 BASE UNIT: SPECIFICATIONS

IDC 255 Base Unit Models	IDC255 Base Unit 8VLV IDC255 Base Unit 10VLV
IDC 255 Kits	KIT IDC255 Renew (SKU 629097627) KIT IDC255 Fluidics (SKU 629097628)
IDC 255 Renew Models	IDC255 Renew 8VLV (8 valves) IDC255 Renew 10VLV (10 valves)
IDC 255 Flavor Shot Models	IDC255 Shots 8VLV (8 valves) IDC255 Shots 10VLV (10 valves)
Ice storage	255 lb. (115.7 kg)
Electrical	120 V/1-phase/60 Hz 220 - 240 V/1-phase/50 Hz 15 A dedicated, protected circuit

IDC 255 BASE UNIT: PHYSICAL DIMENSIONS



IDC255 PEPSI RENEW / SHOTS
FIGURE 1- IDC 255 Base Unit - Physical Dimensions

IDC 255 BASE UNIT - INSTALLATION

The IDC 255 Base Unit installation process involves converting the IDC255 Base Unit to a Renew or Flavor Shot unit. To convert an IDC 255 Base Unit to a Renew unit, only the Renew Kit (629097627) is required. To convert an IDC 255 Base Unit to a Flavor Shot unit, both the Renew Kit (629097627) & Fluidics Kit (629097628) is required.



CAUTION

Before performing any setup, installation or operating activity, read and become familiar with all procedures and pay special attention to all safety instructions and alerts.

Disconnect the electrical power and turn off the primary regulator valve on the CO₂ tank in Back-Room Package (or where applicable, if located in other area).

IDC 255 BASE UNIT: LOOSE PARTS & REQUIRED TOOLS

Review the following before converting an IDC255 Base Unit to a Renew unit or Flavor Shot unit.

IDC 255 Base Unit - Loose Shipped Parts

Make sure you have the following parts shipped with the IDC255 Renew Kit (629097627):

- Sensor Bracket Assembly
- Door Switch Bracket Assembly
- 1/8" Rivets

IDC 255 Renew Kit - Loose Shipped Parts

Make sure you have the following parts shipped with the IDC255 Renew Kit (629097627):

- Miscellaneous parts (clips, cable ties, 1/8 rivets and labels)
- 24v Power Supply
- Power supply extender harness
- LED panel door components (bushings, hinge pins, and cotter pins)

IDC 255 Flavor Shot Kit - Loose Shipped Parts

Make sure you have the following parts shipped with the IDC255 Fluidics Kit (629097628):

- Flavor Shots Control Board and Inner Nozzle
- Keypad housing and associated fixing components
- Valve solenoid assemblies (Flow controls)
- Jumpers to control board harness
- Solenoid harness

Note: The following items are not included in the Flavor Shot Kit:

- BIB pump for each flavor syrup
- Beverage tubing and miscellaneous fittings
- Regulator (adjustable to 30 psig)
- Merchandiser
- Hardware

Tools Required

Make sure you have the following tools on-hand before performing activities to convert an IDC 255 Base unit to a Renew or Flavor Shot unit:

- Phillips screwdrivers, #2 (stubby, standard and long)
- Standard flat screwdriver
- Pop rivet gun or equivalent for 1/8 rivets
- Pliers – adjustable, Wire cutters
- 7/16" Socket driver/wrench - IDC 255 Base Unit or Base Unit conversion to a Flavor Shots unit



IDC 255 BASE UNIT - INSTALLATION PROCESS

The process to convert an IDC 255 Base Unit to a Renew or Flavor Shots Unit can be summarized as follows:

<p>Initial Setup - IDC 255 Base Unit Flavor Shot or Renew Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Removing the “dummy” merchandiser • Installing the Sensor Bracket Assembly and Door Switch
<p>Power Supply Install Flavor Shot or Renew Conversion</p>	<ul style="list-style-type: none"> • Installing the Power Supply
<p>Flavor Shot Control Board Install Flavor Shot Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Installing the Flavor Shot Control Board • Routing flavor shot control board power wires through the E-box • Connecting flavor shot control board power wires to key switch wiring connector. • Connecting the solenoid harness and routing the wires through the E-box • Connecting two (2) keypad jumper harnesses (Jumper harnesses) and routing the wires through the E-box • Setting Flavor Shot Control Board dip-switches
<p>Frame Assembly Installation Flavor Shot or Renew Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Securing the Frame Assembly to the unit
<p>Flavor Shot Valve Assembly Installation Flavor Shot Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Removing the splash panel to provide room to route tubing from each flavor shot valve assembly. • Securing each flavor shot valve assembly to the frame assembly • Establishing solenoid wiring harness connections to the solenoid valves on each flavor shot valve assembly
<p>Flavor Shot Nozzle Assembly Installation Flavor Shot Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Securing the flavor shot nozzle assembly to the frame assembly • Connecting flavor shot lines to the flavor shot nozzle
<p>LED Panel Installation Flavor Shot or Renew Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Securing the LED panel to hinges on the frame assembly • Connecting the 24v Extender Harness to the LED panel
<p>Merchandiser Installation Flavor Shot or Renew Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Flavor Shot units only: Attaching the merchandiser keypad to the merchandiser and connecting the keypad harness to the keypad • Installing the merchandiser
<p>Splash Panel Installation Flavor Shot Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Flavor Shot unit only: Attaching the ADA keypad to the splash panel and connecting the keypad harness to the ADA keypad • Installing the splash panel
<p>Establish Syrup Line Connections Flavor Shot Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Setting up syrup flavor connections and connecting “ambient” syrup lines to valve solenoid lines • Testing flavor shot keypad & valve functioning
<p>Conduct Startup Activities - Flavor Shot Unit Flavor Shot Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Conducting final startup activities for the Flavor Shot Unit
<p>Conduct Startup Activities - Renew Unit Renew Conversion</p>	<p>Activities include the following:</p> <ul style="list-style-type: none"> • Conducting final startup activities for the Renew Unit.

Initial Setup - IDC 255 Base Unit

Flavor Shot or Renew Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot unit or Renew unit.

Before you begin, make sure you have all items provided with the kits and all the required tools. See “IDC 255 Base Unit: Loose Parts & Required Tools” on page 6. Then, review each step in each procedure before performing the activities.

Perform the following initial setup activities on an IDC 255 Base Unit.

1. Remove the “dummy” merchandiser. See FIGURE 1.
To do this, locate and remove the push-in clips and any screws securing the dummy merchandiser, then lift it from the unit.
Result: The E-box (electrical box) is exposed.

Push-in clips and screws securing the “dummy” Merchandiser

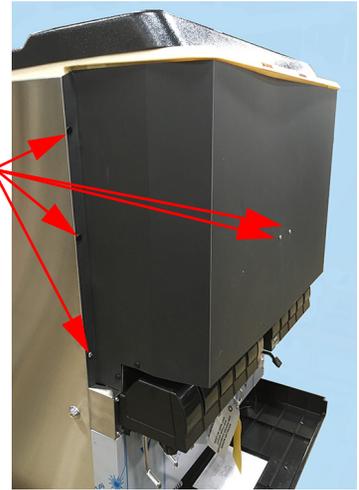


FIGURE 1

2. Install the Sensor Bracket.
To do this, position the sensor bracket in the center of the E-box cover, as shown in FIGURE 2, and secure the bracket using four (4) 1/8” rivets.
Next, locate the Interlock harness routed through the right-rear side of the E-box and connect the black connector from the Interlock harness to the black sensor wire connector.

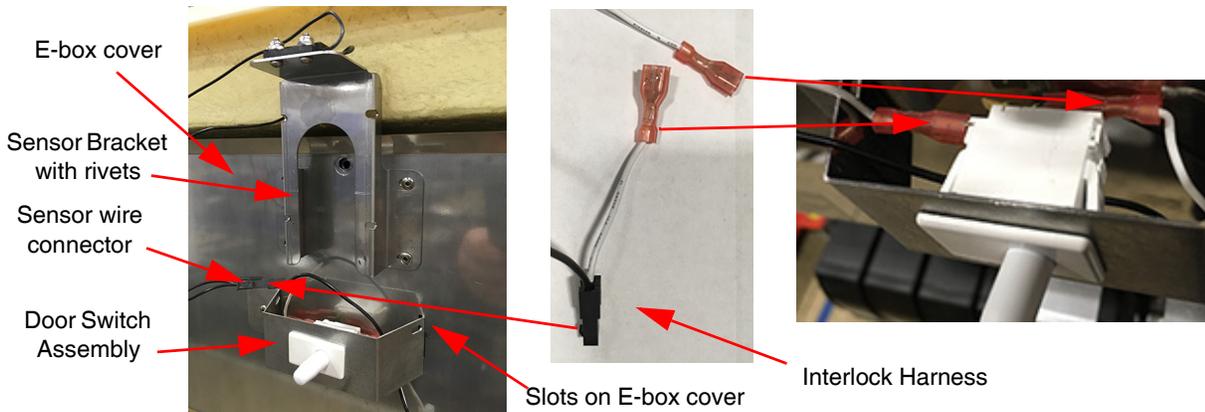


FIGURE 2

3. Install the Door Switch Assembly.
To do this, locate the Interlock harness routed through the right-rear side of the E-box and connect the two tab connectors from this harness to the terminals on the door switch as shown in FIGURE 2.
Finally, insert the right side of the Door Switch Assembly bracket into the slots on the E-box cover and secure the left side of the Door Switch Assembly bracket to the E-box cover using one (1) 1/8” rivet.

Power Supply Install

Flavor Shot or Renew Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot or a Renew Unit.

Perform the following activities to install the Power Supply in the E-box.

1. Secure the 24v power supply to the E-box.
Use two (2) self-tapping sheet metal screws to secure the power supply to the E-box.
2. Connect the power leads (brown & blue wires) from the 24v power supply to terminal block tabs (top left tabs) as shown in FIGURE 3.

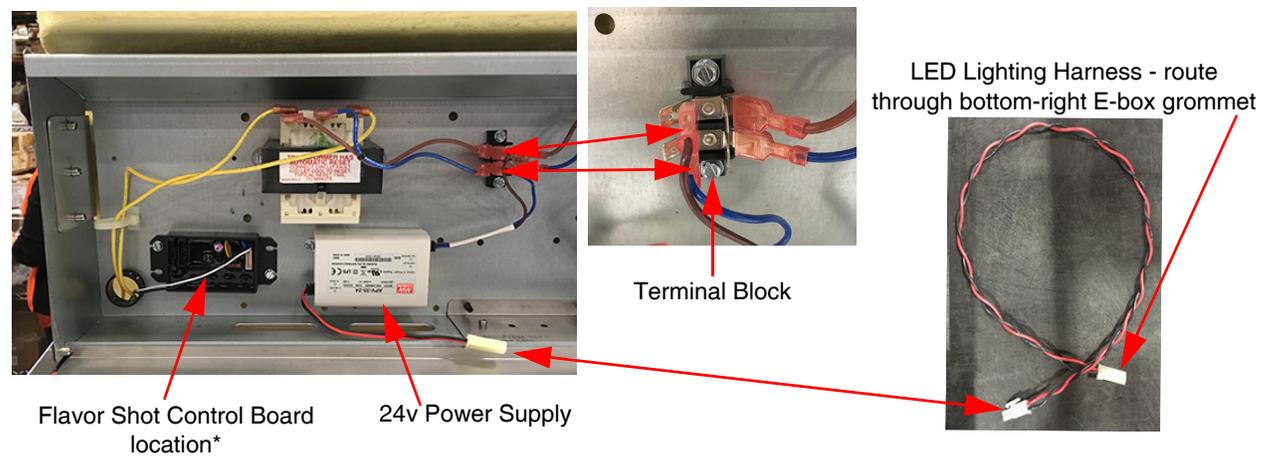


FIGURE 3

3. Connect the LED Lighting Extender harness to the power supply.
To do this, plug the connector from the power supply into the locking connector on the LED Lighting Extender harness.
Then, route harness wires through the bottom-right grommet hole of the E-box. This harness will provide power to the LED panel.
* Note: See "FIGURE 4" on page 10 for proper mounting of the Flavor Shot Control Board.

Flavor Shot Control Board Install

Flavor Shot Conversion: The following activities apply when converting an IDC 255 Base Unit to a Flavor Shot unit but does not apply when converting to a Renew Unit.

Perform the following activities to install the Flavor Shot Control Board.

1. Secure the Flavor Shot Control Board to the E-box.
Use two (2) self-tapping sheet metal screws to secure the Flavor Shot Control Board to the E-box.
See FIGURE 4.

Secure the Flavor Shot Control Board with screws as shown here.

Route the Flavor Shot Control Board power wires through bottom-left grommet in E-box.

Solenoid harness connection. Route wires through bottom-left grommet in E-box.

Keypad harness connections. Route harnesses through the bottom-right grommet of the E-box.

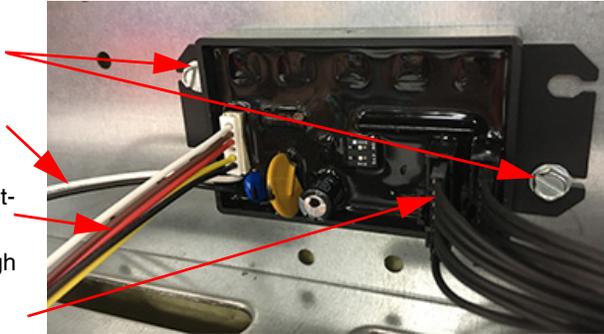


FIGURE 4

2. Route the power connector wire from the Flavor Shot Control Board (black & white wires) through the grommet on the bottom-left side of the E-box. See "FIGURE 3" on page 9 and FIGURE 4 above.

3. Locate the Valve Power harness connector and plug it into the Flavor Shot Control Board power connector (routed through the E-box).

Note: The Valve Power harness is located behind the beverage panel on the left side of the unit, near the key switch wiring.

See FIGURE 5.

Valve Power
Harness



FIGURE 5

4. Connect the solenoid harness to the Flavor Shot Control Board as shown in FIGURE 4.

Then, route solenoid harness wires through the bottom-left grommet in the E-box into the valve assembly area as in FIGURE 6.



FIGURE 6

5. Connect each of two (2) the Keypad harnesses (Jumper harnesses) to the Flavor Shot Control Board as shown in FIGURE 4.

Then, route the two (2) harnesses through the grommet on the bottom-right corner of the E-box.

In FIGURE 4, the keypad port on the left of the Flavor Shot Flavor Shot Control Board is the connection for the Merchandiser keypad while the port on the right is for the ADA keypad.

6. Adjust flavor shot control board dip-switches to achieve the desired flavor shot dosing and dispense times.

Flavor Shot Settings

- Flavor Shot Time: 1 Second - adjust dip switches accordingly
- Flow Rate: 0.3 Oz / sec. (9ml or 9gm)
- BIB Pressure: 30 to 45 psig

Flavor Shot Dosing Instructions

- For cup sizes from 12-24 Ounces: Press 1 time
- For cup sizes from 25-48 Ounces: Press 2 times
- For cup sizes from 49-72 Ounces: Press 3 times

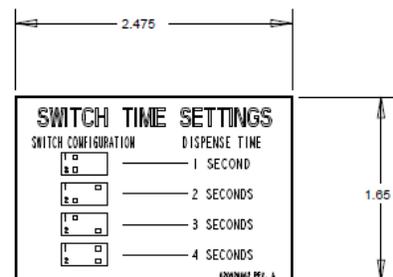


FIGURE 7

Frame Assembly Installation

Flavor Shot or Renew Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot Unit or Renew Unit.

Perform the following activities to install the frame assembly.

1. Locate and remove two (2) screws used to secure the wrapper to the unit.

The screws are located just below the ice bin on either side of the unit, one on the right, one on the left. Remove the two (2) screws where the wrapper attaches to the hopper. See FIGURE 8.

Note: Store these screws in a safe place; these screws are to be used later to secure the frame assembly to the unit.

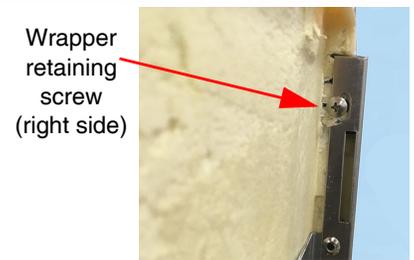
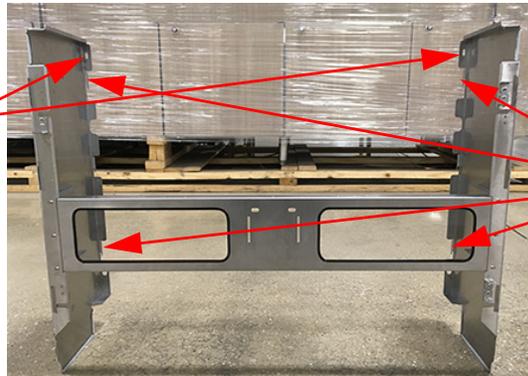


FIGURE 8

2. Locate and become familiar with the Frame Assembly. See FIGURE 9.

Location for wrapper retaining screws to secure frame to the unit



Mounting hooks built into the frame assembly to hang frame onto the unit

FIGURE 9

3. Position the Frame Assembly onto the front of the unit using the mounting hooks and align the frame assembly with the wrapper retaining screw hole locations on each side of the unit. To do this, lift the frame assembly onto the front of the unit and hook it into place as shown in FIGURE 10.



FIGURE 10

4. Secure the frame assembly to the unit.

To do this, screw the frame assembly to the unit using the wrapper retaining screws. See FIGURE 11.



FIGURE 11

5. Secure the frame assembly to the Support-Tie bracket with two (2) #8-32 screws.

Flavor Shot Valve Assembly Installation

Flavor Shot Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot Unit but it does not apply when converting to a Renew Unit.

Perform the following activities to install the flavor shot valve assembly.

1. Locate the two (2) Flavor Shot Valve Assemblies. See FIGURE 12.
 Note: FIGURE 12 shows one Flavor Shot Valve Assembly; two are provided with the Fluidics Kit.

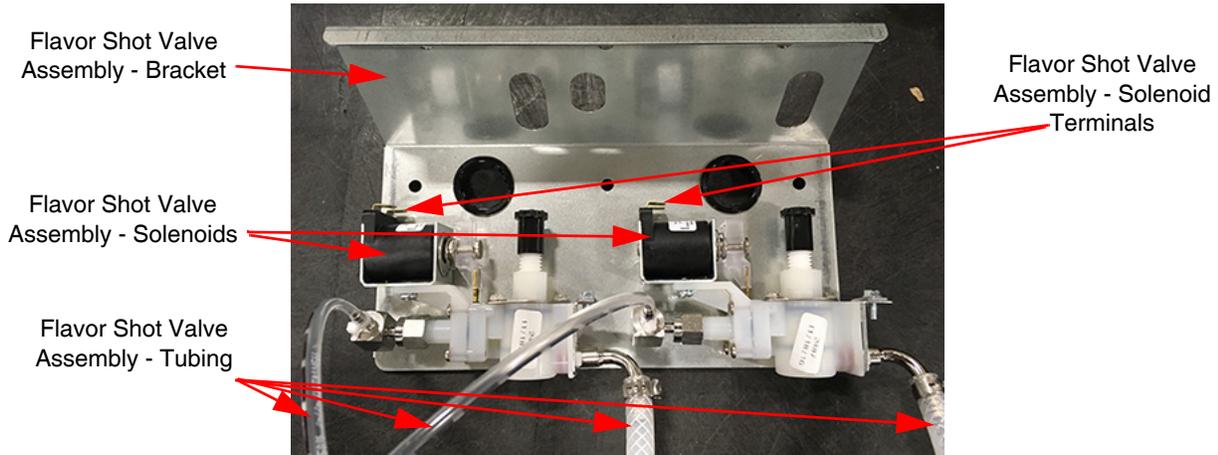


FIGURE 12

2. Remove the splash panel to be able to route tubing from the valve assembly.
 To do this, remove the splash panel retaining screws and lift the splash panel from the unit.
 See FIGURE 29 under “Splash Panel Installation” on page 18
3. Insert the first Flavor Shot Valve Assembly into the frame.
 To do this, position the valve assembly in front of the frame. Route the white tubing behind the sanitary valve bracket and the clear flavor shot tubing in front of the sanitary valves. See FIGURE 13 and 17.

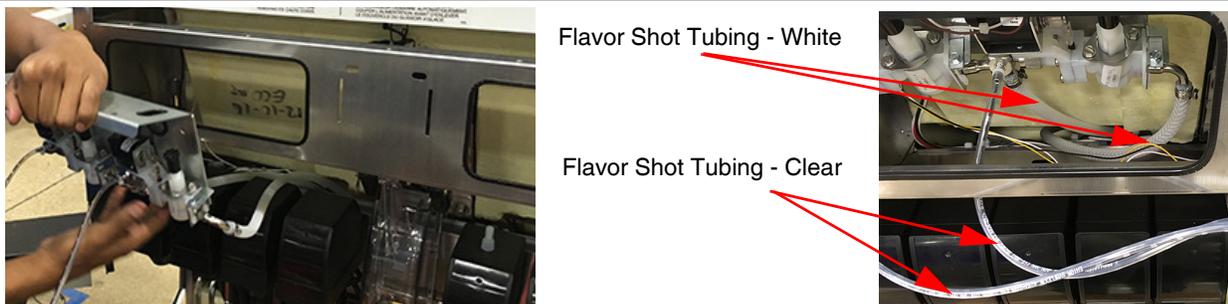


FIGURE 13

4. Secure the valve assembly bracket onto the frame.
 To do this, hook the valve assembly bracket onto the frame and line up the bracket holes with holes on the frame.
 Then, screw the bracket to the frame. See FIGURE 14.

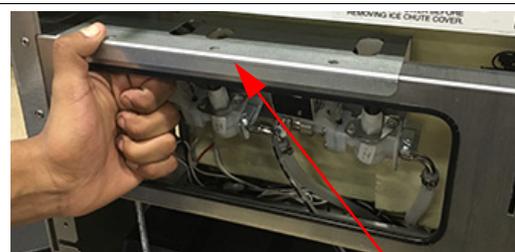


FIGURE 14

5. Install the second Flavor Shot Valve Assembly bracket onto the frame.
 To do this, repeat steps 3 and 4, above, for the remaining second Flavor Shot Valve Assembly bracket.

6. Establish solenoid wiring harness connections to each solenoid on the flavor shot valve.

To do this, insert tab connector pairs from the solenoid wiring harness onto the solenoid terminals for each solenoid. Harness connections to each solenoid (when solenoids are numbered 1 through 4 & left to right) are as follows:

- Solenoid 1: White wire in back, **Red** in front. See FIGURE 15.
- Solenoid 2: White wire in back, **Brown** in front.
- Solenoid 3: White in wire back, **Yellow** in front.
- Solenoid 4: White in wire back, **Black** in front.

Important: Make sure each tab connector is completely seated on the solenoid terminal.

Solenoid 1 with white wire on the back terminal and red wires on the front terminal

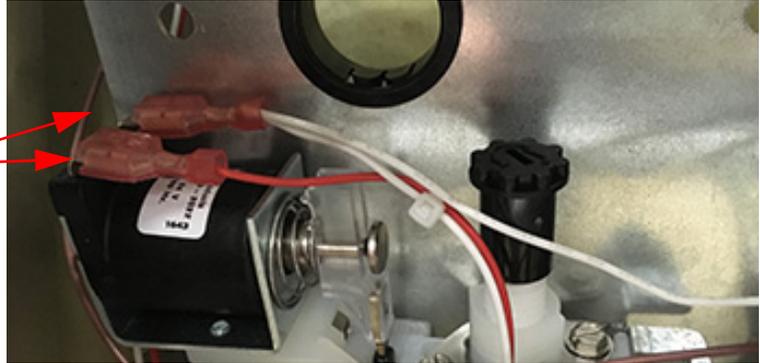


FIGURE 15

The flavor shot tubing, routed appropriately, is shown in FIGURE 16

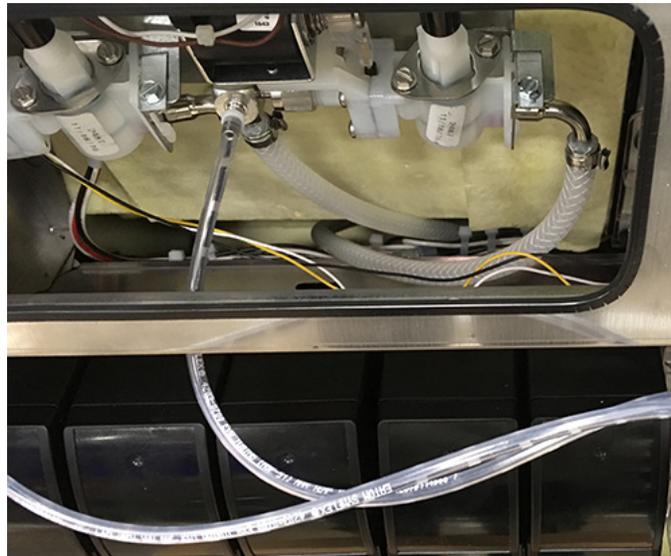


FIGURE 16

Flavor Shot Nozzle Assembly Installation

Flavor Shot Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot Unit but it does not apply when converting to a Renew Unit.

Perform the following activities to install the flavor shot nozzle assembly.

1. Locate and become familiar with the Flavor Shot Nozzle Assembly. See FIGURE 17.
The Flavor Shot Nozzle Assembly hooks onto the Frame Assembly Support bracket on the front of the unit.

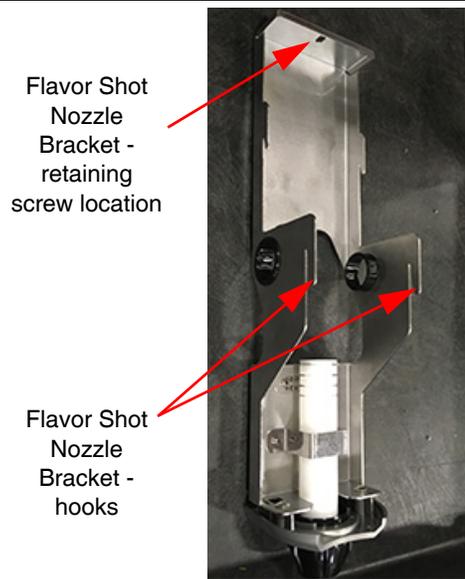


FIGURE 17

2. Add the Flavor Shot Nozzle Bracket to the frame assembly. To do this, position the bracket over the slots on the front of the frame assembly, insert the hooks into the slots and pull the bracket down into place.
Then, secure the lanyard to the top of the bracket and hand-tighten it to the support-tie bracket.
See FIGURE 18.

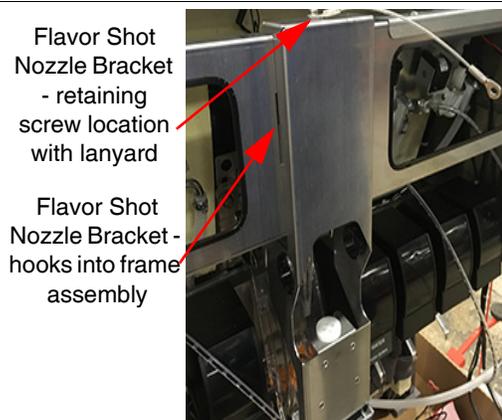


FIGURE 18

3. Route flavor shot tubing through the grommet on the side of the flavor shot nozzle assembly. See FIGURE 19.



FIGURE 19

4. Connect flavor shot tubing to the flavor shot nozzle.

To do this, cut each flavor shot nozzle tube on a 45° angle, then, insert each of the four (4) tubes into the flavor shot nozzle. See FIGURE 20 and FIGURE 21.



FIGURE 20

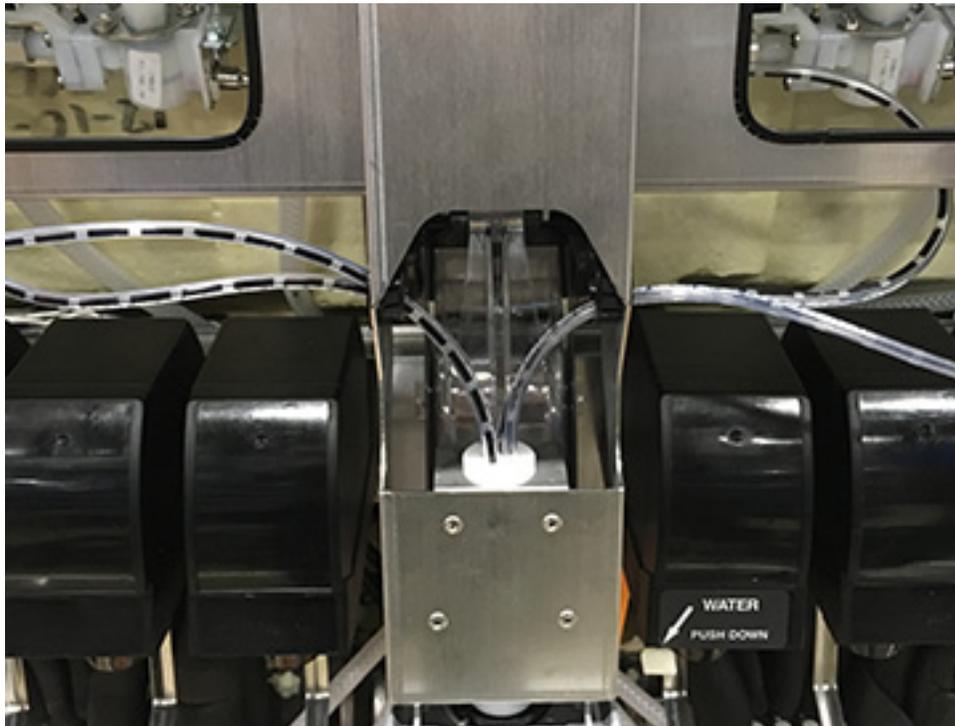
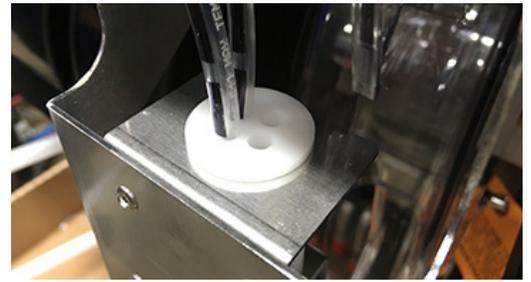


FIGURE 21

LED Panel Installation

Flavor Shot or Renew Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot Unit or Renew Unit.

Perform the following activities to install the LED Panel.

1. Locate LED Panel components. See FIGURE 22.

- Bushings
- Hinge pins
- Cotter pins

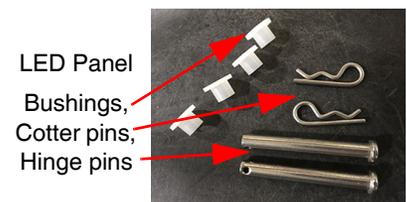


FIGURE 22

<p>2. Secure the LED Panel to the hinges on the frame assembly. To do this, insert two (2) bushings into each hinge bracket (upper and lower hinge brackets) on the frame assembly. See FIGURE 23.</p> <p>Then, locate the LED panel, place it over the hinges, insert the hinge pins, then insert the cotter pins into the hinge pins.</p> <p>See FIGURE 24.</p>	 <p>Upper hinge brackets on frame assembly with bushings</p> <p>FIGURE 23</p>
<p>3. Connect the LED Lighting Extender harness connector (24v power supply extender harness) to the LED Panel connector as shown in FIGURE 24.</p>	 <p>LED Lighting Extender Harness connection</p> <p>FIGURE 24</p>
<p>4. Close the LED Panel so that the panel rests on the brackets shown in FIGURE 25.</p>	 <p>LED Panel</p> <p>LED Panel bracket</p> <p>FIGURE 25</p>

Merchandiser Installation

Flavor Shot or Renew Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot Unit or Renew Unit.

Perform the following activities to install the Merchandiser.

Flavor Shot Unit Conversion:

1. Locate the Merchandiser and install the Merchandiser keypad. See FIGURE 26.
To do this, proceed to Step 2.

Renew Unit Conversion:

1. Locate the Merchandiser as shown in FIGURE 26 (left). Then, proceed to Step 5.
Note: The Renew Unit does not have a Flavor Shot Merchandiser keypad.

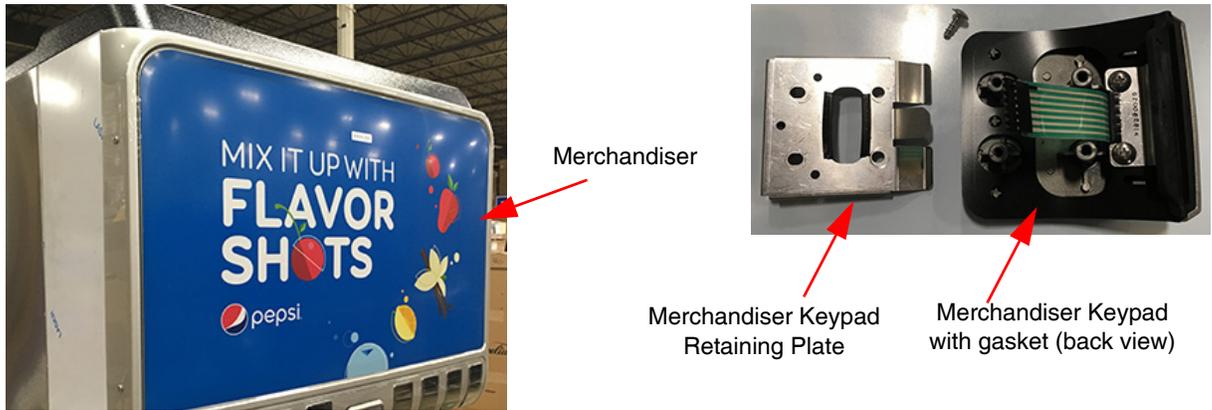


FIGURE 26

2. Make sure the keypad gasket and gasket retainer is attached to the keypad.
To do this, place the gasket over the keypad and secure it with the gasket retainer. See FIGURE 27.

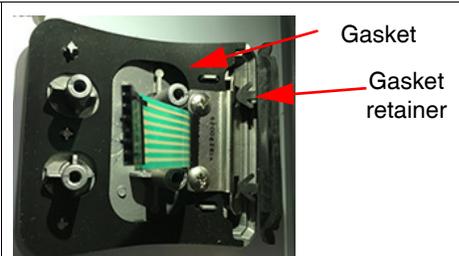
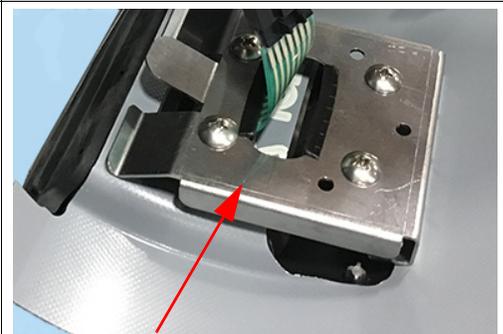


FIGURE 27

3. Insert the keypad onto the merchandiser, cover it with the retaining plate, then screw the retaining plate into the keypad. See FIGURE 28.
Note: Be careful not to over-tighten the screws.



Merchandiser Keypad - Installed with Retaining Plate

FIGURE 28

4. Connect the keypad harness connector to the keypad.
 Start by placing a harness cable retaining clip on the nozzle assembly bracket.
 Then, connect the keypad harness connector to the keypad connector.
 See FIGURE 29.

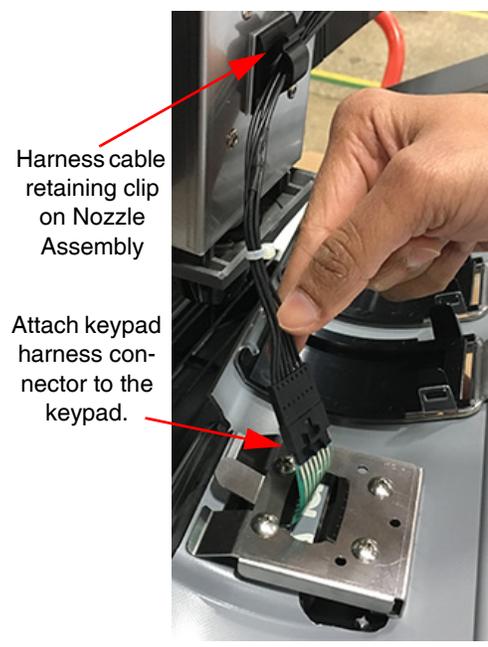


FIGURE 29

5. Install the Merchandiser.
 To do this, lift the merchandiser over the LED Panel and insert the merchandiser hanging brackets into slots on both sides of the frame assembly. See FIGURE 30.

Insert hooks on both sides of the Merchandiser frame into slots on the frame assembly, then pull down to secure the Merchandiser.



Merchandiser keypad - Flavor Shot Units only

FIGURE 30

Splash Panel Installation

Flavor Shot Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot Unit but it does not apply when converting to a Renew Unit.

Perform the following activities to install the splash panel.

Flavor Shot Unit Conversion only:

1. Locate the Splash Panel and install the ADA Flavor Shot Key Pad.

To do this, install the ADA keypad on the splash panel and connect the keypad to the Jumper Harness (ADA keypad harness from the Flavor Shot Control Board). See FIGURE 31.



FIGURE 31

2. Install the Splash Panel.

To do this, tilt the splash panel up under the sanitary valves, align the two (2) screw holes with the frame assembly, then, secure the splash panel to the frame using the retaining screws.

See FIGURE 31.

Establish Syrup Line Connections - Flavor Shot Conversion

Flavor Shot Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot Unit, but it does not apply when converting to a Renew unit.

Perform the following activities to establish flavor shot syrup line connections.

Note: These activities are performed in the field.

1. Setup the syrup flavors in the Back-Room Package area.
2. Note which syrup flavor hook-ups are associated with each valve and keypad number (1,2,3 & 4).
Note: Connections to the dispenser can proceed once the Back-Room Package items have been installed and tubing has been run to the dispenser.
3. Make connections from 'ambient' syrup lines to valve solenoid lines at front of machine.

Conduct Startup Activities - Flavor Shot Unit

Flavor Shot Conversion: The following applies when converting an IDC 255 Base Unit to a Flavor Shot unit, but it does not apply when converting to a Renew unit.

Perform the following startup activities for the IDC 255 Reman / Flavor Shot Unit.

1. Reconnect power to dispenser and turn on primary regulator on CO2 tank in Back-Room Package.



- | |
|--|
| <p>2. Purge syrup through the beverage tubing and through the inner nozzle
To do this, actuate the keypad to purge syrup through the beverage tubing and through the inner nozzle.</p> <p>Note: Initial purging can also be accomplished by removing the merchandiser with the harness still connected to the control board and manually pushing the plungers on each solenoid valve. This will purge the syrup through the inner nozzle. However, when purging in this manner, keep the keypad housing and connections clear of drip tray area.</p> |
| <p>3. Check the connections in the following areas for possible leaks.</p> <ul style="list-style-type: none">• Front of the unit at the syrup connections• Elbow fittings at flow controls• Connections at made to the inner nozzle |
| <p>4. Perform appropriate sanitizing activities, as necessary. See the IDC 255 Operator's Manual (621058599OPR) for details.</p> |

Conduct Startup Activities - Renew Unit

Renew Conversion: The following applies when converting an IDC 255 Base Unit to a Renew Unit, but it does not apply when converting to a Flavor Shot unit.

Perform the following start up activities for the IDC 255 Reman / Renew Unit.

- | |
|--|
| <p>1. Reconnect power to dispenser and turn on primary regulator on CO2 tank in Back-Room Package.</p> |
| <p>2. Perform appropriate sanitizing activities, as necessary. See the IDC 255 Operator's Manual (621058599OPR) for details.</p> |

DIAGRAMS

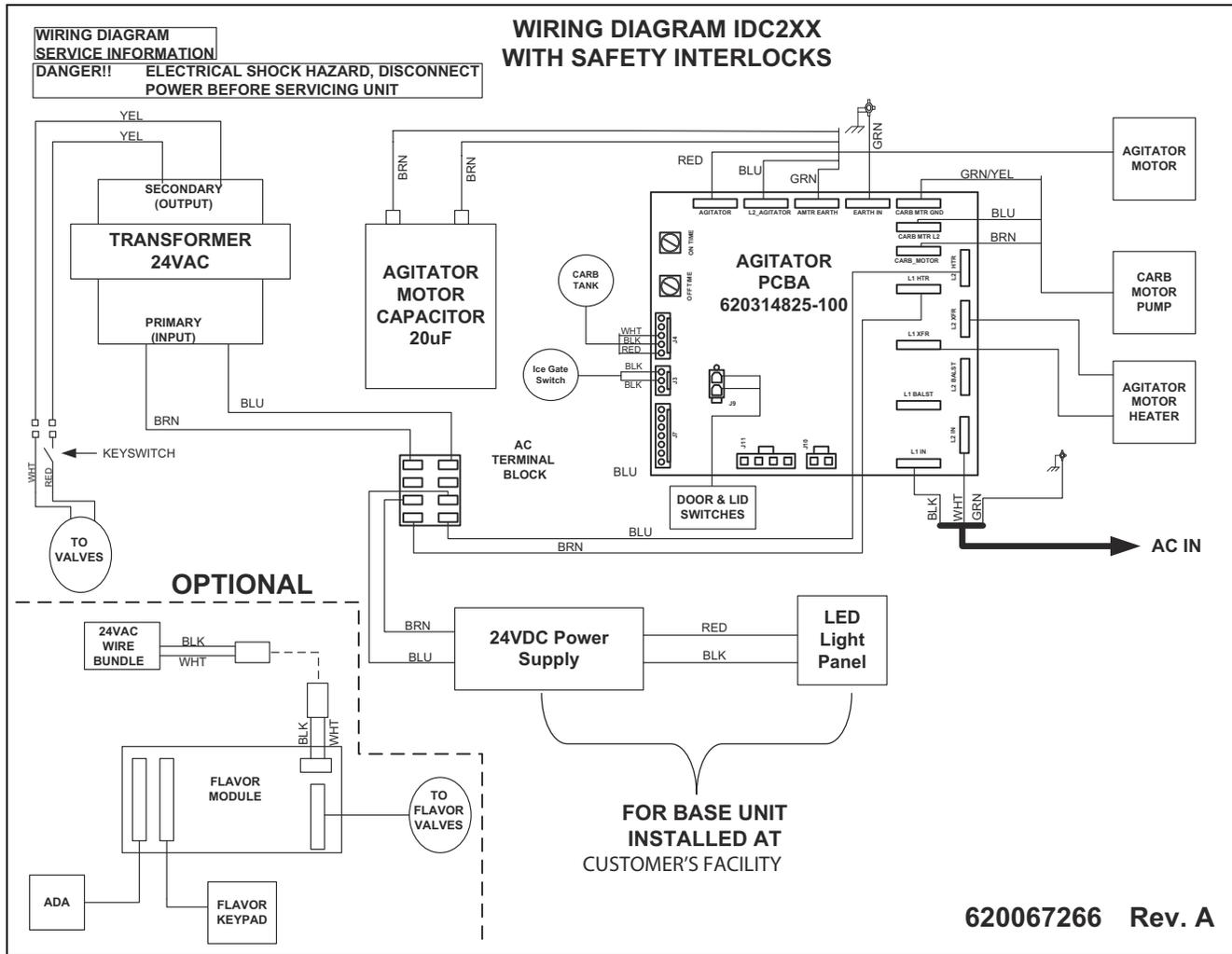


FIGURE 1

TROUBLESHOOTING



CAUTION:

Only qualified personnel should service internal components or electrical wiring.



WARNING:

If repairs are to be made to a product system, remove quick disconnects from the applicable product tank, then relieve the system pressure before proceeding. If repairs are to be made to the CO₂ system, stop dispensing, shut off the CO₂ supply, then relieve the system pressure before proceeding. If repairs are to be made to the refrigeration system, make sure electrical power is disconnected from the unit.

Should your unit fail to operate properly, check that there is power to the unit and that the bin contains ice. If the unit does not dispense, check the following chart under the appropriate symptoms to aid in locating the defect.

NOTE: Refer to electrical and flow diagrams when located inside the E-Box cover for troubleshooting as necessary.

Review the following to support troubleshooting activities.

Flavor syrups do not dispense.	<ul style="list-style-type: none"> • No 24 volt power to PC board • No CO₂ pressure • Empty syrup tank • Kinked tubing • Clogged inner nozzle • Defective PC board • Defective harness from keypad • Defective Flow control • Defective solenoid harness • Defective keypad or ADA harness incorrectly plugged in
Flavor dispenses for more the 1 second	<ul style="list-style-type: none"> • Dip switch settings on control board incorrect • PC board defective • Defective flow control
Flavor dispenses more the 1/2 oz	<ul style="list-style-type: none"> • Dip switch settings on control board incorrect • Flow control incorrectly set • PC board defective • Defective flow control

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