

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

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Correct Disposal of this Product



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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CORNELIUS INC
101 Regency Drive
Glendale Heights, IL
Tel: + 1 800-238-3600

Printed in U.S.

Contact Information

To inquire about current revisions of any documentation or assistance with any Cornelius product, contact:

www.cornelius.com
800-238-3600



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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



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.

Types of Alerts

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

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	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.
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CO₂ (Carbon Dioxide) Warning

 DANGER	CO ₂ displaces oxygen. Strict attention MUST be observed in the prevention of CO ₂ gas leaks in the entire CO ₂ and soft drink system. If a CO ₂ 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 CO ₂ gas experience tremors which are followed rapidly by loss of consciousness and DEATH .
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Mounting in or on a Counter

 WARNING	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.
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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 REMAN 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 Legacy Unit to a Renew using the IDC 255 Renew Kit (629097627) or to convert an IDC 255 Legacy Unit to a Flavor Shot unit using the IDC 255 Renew Kit (629097627) and IDC 255 Fluidics Kit (629097628).

NOTE: An IDC 255 Base Unit can also be converted to a Renew or Flavor Shot unit using the IDC 255 Renew Kit (629097627) or the IDC Fluidics Shot Kit (629097628) kit. See the IDC 255 Base Unit installation manual (621058704INS) for details.

IDC 255 MODEL DESCRIPTIONS

The IDC 255 Legacy Unit provides a foundation for establishing one of the following IDC 255 Ice/Beverage Dispenser models as a result of factory installation activities using an IDC 255 Legacy 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 MODEL: 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 REMAN UNIT - INSTALLATION

The IDC 255 Reman Unit installation process involves converting an IDC255 Legacy Unit to a Renew Unit or Flavor Shot Unit using the IDC 255 Renew Kit (629097627) or IDC Fluidics Kit (629097628) and IDC 255 Renew Kit.



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 REMAN UNIT: LOOSE PARTS & REQUIRED TOOLS

Review the following before performing activities to convert an IDC255 Legacy Unit to a Renew Unit or Flavor Shot Unit.

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 Shot Kit (629097628):

- Flavor Shots Control Board
- 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 Legacy 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 Legacy Unit conversion to a Flavor Shots unit
- Drill w/.128 drill bit (#30) or equivalent - IDC 255 Legacy conversion to a Renew unit
- Sharp pointed tool - IDC 255 Legacy conversion to a Renew or Flavor Shots unit
- Drill w/.141 drill bit (#28) or equivalent - IDC 255 Legacy conversion to a Flavor Shots unit
- Tape measure - IDC 255 Legacy conversion (re-manufacture) to a Flavor Shots unit

IDC 255 REMAN UNIT - INSTALLATION PROCESS

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

Initial Setup - IDC 255 Reman Unit Flavor Shot or Renew Conversion	Activities include the following: <ul style="list-style-type: none"> • Removing the merchandiser and fluorescent light components • Removing and replacing the caution label, wiring diagram and support call stickers on the E-box
Power Supply Install Flavor Shot or Renew Conversion	<ul style="list-style-type: none"> • Installing the Power Supply and connecting the 24v Extender Harness (power supply to LED panel) to the Agitator Board
Flavor Shot Control Board Install Flavor Shot Conversion	Activities include the following: <ul style="list-style-type: none"> • Installing the Flavor Shot Control Board • Routing flavor shot control board power wires through the E-box • 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
Establish Flavor Shot Control Board Power Connection Flavor Shot Conversion	Activities include the following: <ul style="list-style-type: none"> • Accessing key switch wires behind the beverage panel. • Connecting flavor shot control board power wires to key switch wiring.
Frame Assembly Support Tie Bracket Install Flavor Shot or Renew Conversion	Activities include the following: <ul style="list-style-type: none"> • Securing the frame assembly support tie bracket to the E-box (this may involve removing & replacing ice chute components) • Closing the E-box cover
Frame Assembly Installation Flavor Shot or Renew Conversion	Activities include the following: <ul style="list-style-type: none"> • Securing the Frame Assembly to the unit
Flavor Shot Valve Assembly Installation Flavor Shot Conversion	Activities include the following: <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
Flavor Shot Nozzle Assembly Installation Flavor Shot Conversion	Activities include the following: <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
LED Panel Installation Flavor Shot or Renew Conversion	Activities include the following: <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
Merchandiser Installation Flavor Shot or Renew Conversion	Activities include the following: <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
Splash Panel Installation Flavor Shot Conversion	Activities include the following: <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.
Establish Syrup Line Connections Flavor Shot Conversion	Activities include the following: <ul style="list-style-type: none"> • Setting up syrup flavor connections and connecting “ambient” syrup lines to valve solenoid lines.



Conduct Startup Activities - Flavor Shot Unit Flavor Shot Conversion	Activities include the following: <ul style="list-style-type: none">• Conducting final startup activities for the Flavor Shot Unit
Conduct Startup Activities - Renew Unit Renew Conversion	Activities include the following: <ul style="list-style-type: none">• Conducting final startup activities for the Renew Unit

Initial Setup - IDC 255 Reman Unit

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

Before you begin, make sure you have all the items provided with the kit and all the required tools. See “Tools Required” on page 4. Then, review each step in this procedure before performing the activities.

Perform the following initial setup activities on an IDC Legacy Unit.

1. The merchandiser display component from the IDC 255 legacy unit needs to be removed to start the process. Remove the merchandiser. See FIGURE 1, left.
To do this, lift the merchandiser from the unit.
Result: The E-box fluorescent light components on the outside of the electrical box (E-box) are exposed. See FIGURE 1, right.

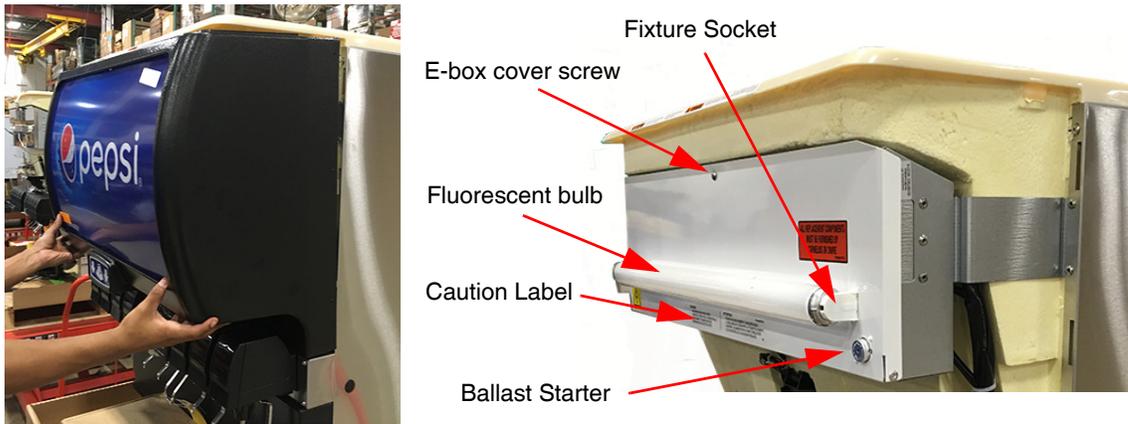


FIGURE 1

2. Remove the fluorescent light bulb and caution label from the front of the E-box cover.
To do this, twist the fluorescent bulb from the fixture sockets, then safely move it out of the way. Next, peel the caution label (sticker) off the front cover, then add the new caution label provided. See FIGURE 1, right.
3. Open the E-box cover.
To do this, remove (and save) the E-box cover screw, then pull down on the top of the cover.
Result: Components inside the E-box are exposed.

4. Unplug the ballast terminals from the Agitator board.
To do this, locate the two ballast connectors on the Agitator board (shown in FIGURE 2) then firmly grasp each connector and pull it from the terminal on the agitator board.



FIGURE 2

5. Unscrew the ballast from the back of the E-box.
See FIGURE 3.

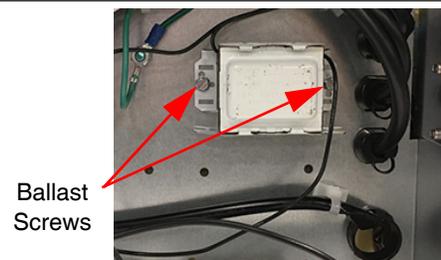


FIGURE 3

6. Remove the wires from both fluorescent sockets on the inside of the E-box cover.
 To do this, insert and push a small pointed tool inside each fluorescent socket connector, then pull each wire from the socket. Do this for the both wires on each of the two (2) sockets. See FIGURE 4.
 Note: Only remove the wires from the fluorescent sockets, do not remove the fluorescent sockets.



FIGURE 4

7. Remove the ballast starter (see FIGURE 4) from the E-box cover, then plug the hole left from the ballast starter.
 To do this, firmly grasp ballast starter, then tilt and pull it from the E-box cover. Once removed, insert the plug into the ballast starter hole. (see FIGURE 5).

Note: Appropriately discard the ballast, ballast starter and associated wires as these will not be needed.

Result: The E-box is ready for installing the Power Supply and Flavor Shot Control Board (Flavor Shot units only).

See FIGURE 6.



FIGURE 5

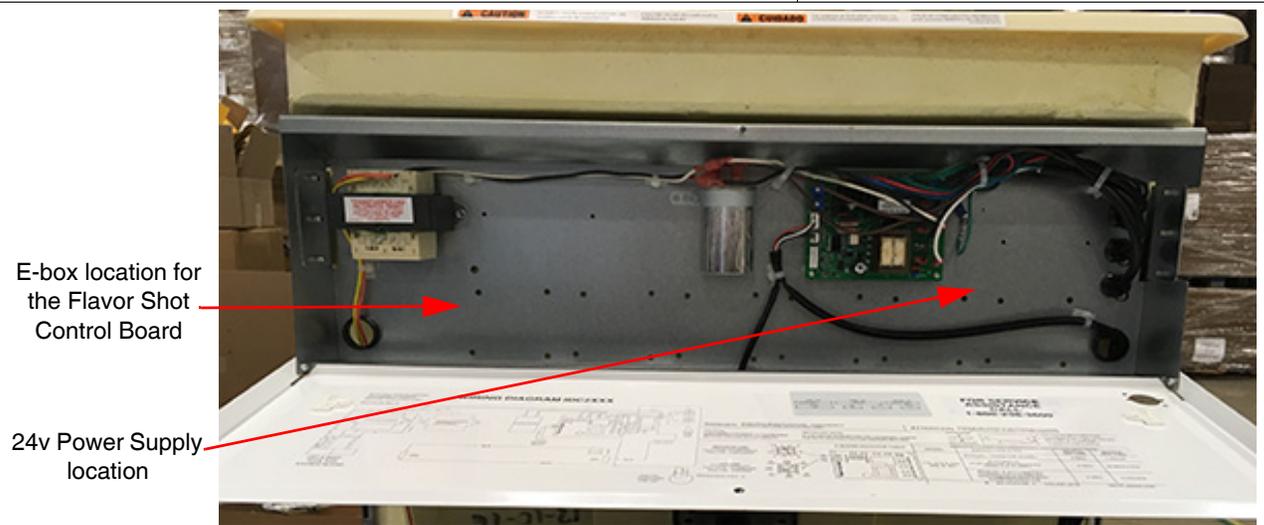


FIGURE 6

Power Supply Install

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

Perform the following activities to establish initial electrical hook-ups.

1. Mark the location of screw holes to be drilled in the E-box to secure the power supply.
 To do this, use the power supply as a template and position and hold the power supply in a location similar to that shown in "FIGURE 6" on page 8 and FIGURE 8.
 Then, mark screw hole locations (upper-left tab and lower-right tab of the power supply) on the E-box.
 Note: The lower-right power supply tab is not visible in the figure below.
 Finally, in each marked location, drill a 1/8" diameter hole in the E-box.
IMPORTANT: Do not drill too deep, and once the holes are drilled, remove any debris created from the drilling operation.
2. 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.
3. Connect the power leads (brown & blue wires) from the 24v power supply to the Agitator board as shown in FIGURE 7.
 Note: These are the same terminals previously used for the ballast removed earlier.



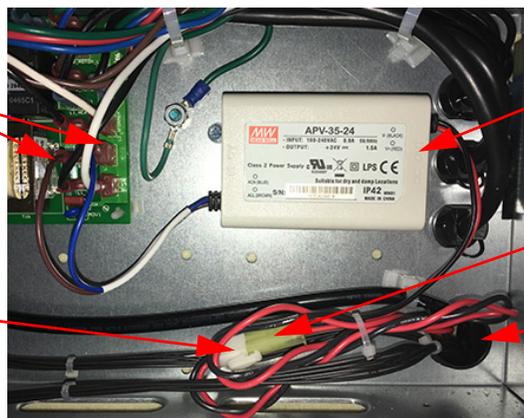
Power Supply Blue-wire tab connector here

Power Supply Brown-wire tab connector here

FIGURE 7

4. Connect the LED Lighting Extender harness to power supply connector (red & black wires) and route the harness through the E-box.
 To do this, insert the connector of the power supply onto the locking-tab connector of the LED Lighting Extender harness. Then, route harness wires through the lower-right grommet hole of the electrical box. This harness will provide power to the LED panel. Bundle the harness wires with a cable tie to allow for a 6" (approximate) extension out of the E-box. See FIGURE 8.

Power Supply tab connectors connected to Agitator board terminals



24v Power Supply

Power Supply Connector

LED Lighting Extender Harness with locking-tab connector

LED Lighting Extender Harness routed through E-box

FIGURE 8

Flavor Shot Control Board Install

Flavor Shot Conversion: The following activities apply when converting an IDC 255 Legacy 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. Mark the location of screw holes to be drilled in the E-box to secure the Flavor Shot Control Board.
To do this, use the Flavor Shot Control Board as a template and position and hold it in a location similar to that shown in "FIGURE 6" on page 8 and FIGURE 9. This location is approximately 7" on center from the left side of the E-box and approximately 1" on center up from the bottom of the E-box.

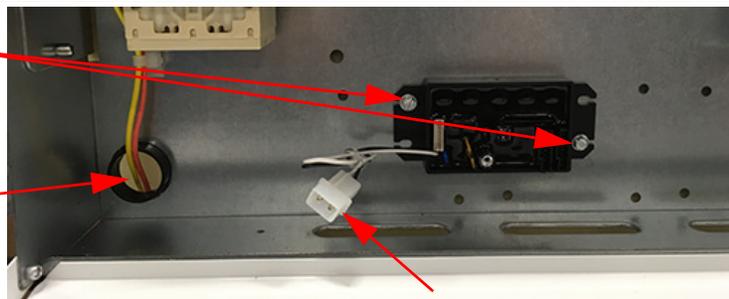
Then, mark two (2) screw hole locations on the E-box and drill a 1/8" diameter holes in the E-box.

IMPORTANT: Do not drill too deep, and once the holes are drilled, remove any debris created from the drilling operation.

2. 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 9.

Secure Flavor Shot Control Board with screws as shown

Route wires through the E-box here.



Flavor Shot Control Board Power Connector

FIGURE 9

3. Route the power connector from the Flavor Shot Control Board (black & white wires) through the grommet on the lower-left side of the E-box. See FIGURE 9 and FIGURE 10.

Power Connector from the Flavor Shot Control Board

Beverage Panel

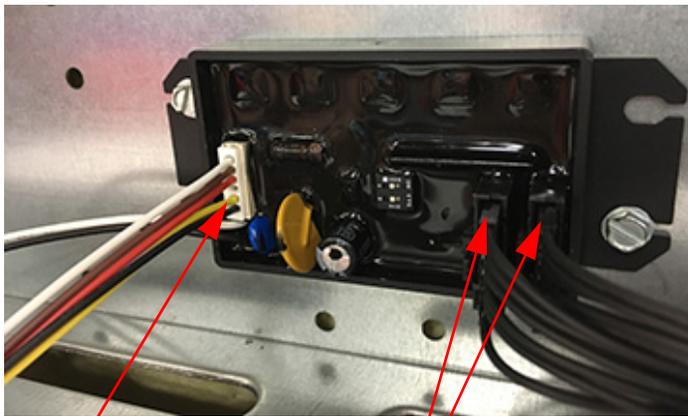
Key Switch Wiring



FIGURE 10

4. Connect the Solenoid wiring harness to the Flavor Shot Control Board.
 Then, route solenoid harness wires through the bottom-left grommet of the E-box into the valve assembly area. See FIGURE 11 (right).

NOTE: The port on the left of the Flavor Shot Flavor Shot Control Board is the connection for the Merchandiser keypad.



Solenoid Harness connection to the Flavor Shot Control Board

Keypad Harness connections to the Flavor Shot Control Board. Route harnesses through the lower-right grommet of the E-box.

Solenoid Harness Connection to the Flavor Shot Control Board Power.



FIGURE 11

5. Establish Flavor Shot Keypad harness (Jumper Harness) connections to the Flavor Shot Control Board.
 To do this, connect the each of two Jumper Harnesses to the Flavor Shot Control Board as shown in FIGURE 11. Then, route the two (2) Flavor Shot Keypad harnesses (Jumper Harness) through the grommet on the lower right corner of the E-box.

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

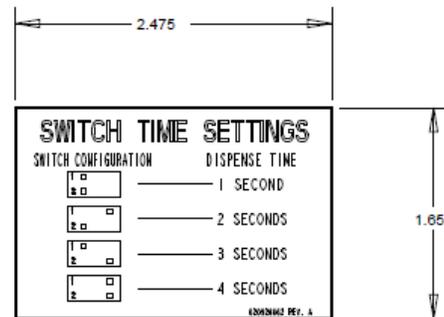


FIGURE 12

Connect Key Switch Wiring to the Flavor Shot Control Board

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

Key switch wiring from the IDC 255 Legacy Unit is used to provide power to the Flavor Shot Control Board.

Perform the following activities to connect the Flavor Shot Control Board to key switch wiring on a legacy unit.

1. Locate and access black and white key switch wiring behind the beverage panel. See FIGURE 13.

To do this, reach behind the beverage panel and locate the wire nut with 5 white wires and the wire nut with 5 black wire. Then, if necessary, free-up these wire bundles by cutting the cable tie grouping wires together.

IMPORTANT: When cutting the cable tie, do not damage the wires!

Remove the wire nut from the (5) white wires, and add the white wire from the Valve Power harness to this group of wires by wire-nutting these (6) white wires together as a group.

Then, remove the wire nut from the black wires, and add the black wire from the Valve Power harness to this group of wires by wire-nutting these (6) black wires together as a group.

IMPORTANT: Use an appropriate closed-end, compression-type wire nut for both connections and safely tuck the wire nut connections back behind the beverage panel.

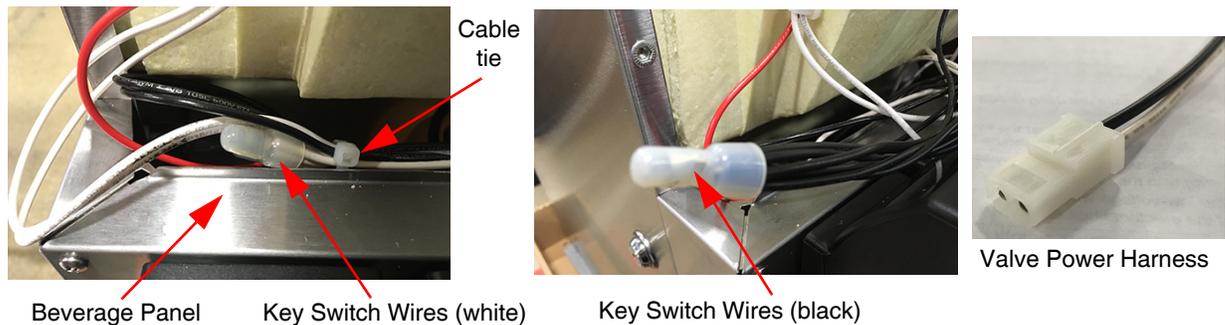


FIGURE 13

2. Connect the power connector from the Flavor Shot Control Board to the Valve Power harness and tuck the wires back behind the beverage panel.

Result: Key Switch wiring is now connected to the Valve Power harness to provide power to the Flavor Shot Control Board. See FIGURE 14.

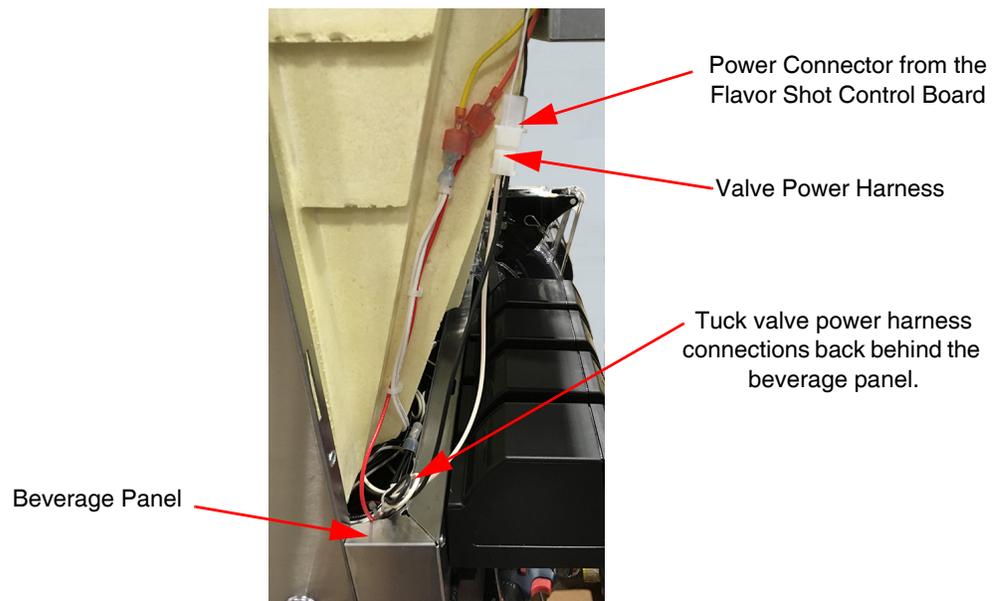


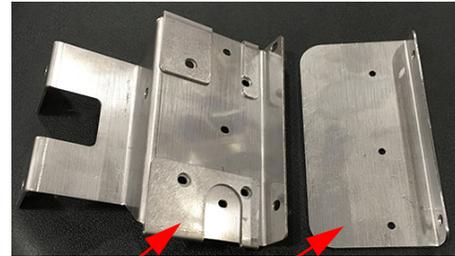
FIGURE 14

Frame Assembly Support-Tie Bracket Installation

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

A structural Support-Tie Bracket is used to support the Frame Assembly (to be installed later). Perform the following activities to install the Support-Tie bracket.

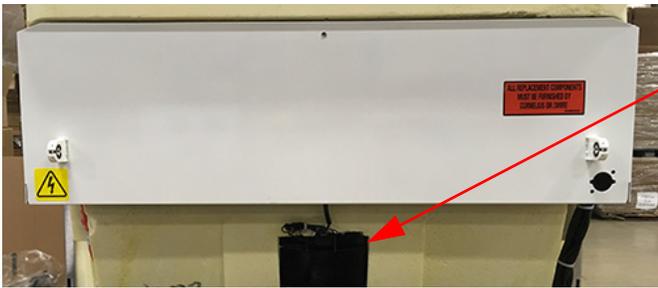
1. Locate the Support-Tie bracket and Clamp Plate.
See FIGURE 15.



Support-Tie Bracket Clamp Plate

FIGURE 15

2. Remove the Ice Chute Harness connector from the front of the unit and re-route the harness wires two oval openings farther to the right, away from the center of the E-box. See FIGURE 16.



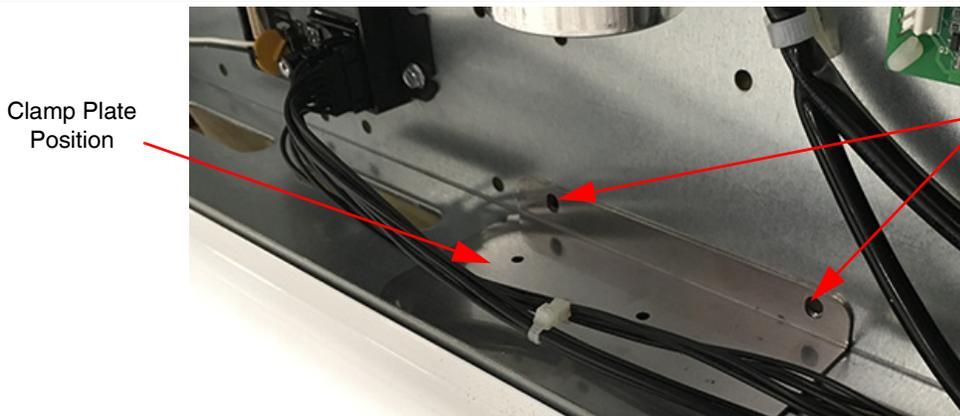
Ice Chute Connector Location



Remove Ice Chute Connector and re-route the harness.

FIGURE 16

3. Open the E-box cover and position the Clamp Plate in the E-box as shown in FIGURE 17.
Note: The Clamp Plate should line up with existing holes on the back of the E-box.



Clamp Plate Position

Line up the clamp plate with existing holes in the E-box.

FIGURE 17

4. Hold the Clamp Plate into position using push-in fasteners.
 To do this, with the clamp plate in position, push the fasteners through the holes in the clamp plate into the holes in the back of the E-box. See FIGURE 18.

Clamp Plate in position
 with push-in fasteners

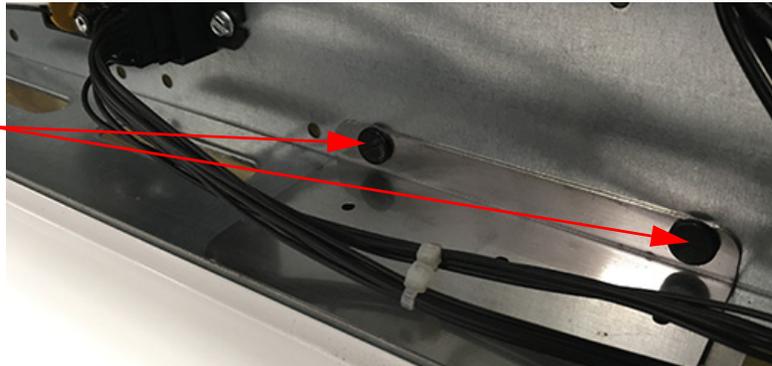


FIGURE 18

5. With the clamp plate positioned, position the Support-Tie bracket under the clamp plate and E-box.
 See FIGURE 19.

E-box



Support-Tie Bracket in position
 under the clamp plate and E-box

FIGURE 19

6. With the Clamp Plate and Support-Tie Bracket in place, secure the Support-Tie Bracket to the E-box by fastening three rivets through the Support-Tie Bracket, E-box and Clamp Plate, as shown in FIGURE 20.

Support-Tie Bracket -
 secured with rivets to the E-
 box through the Clamp Plate

Use 1/8" long rivets
 (.126" - .187")

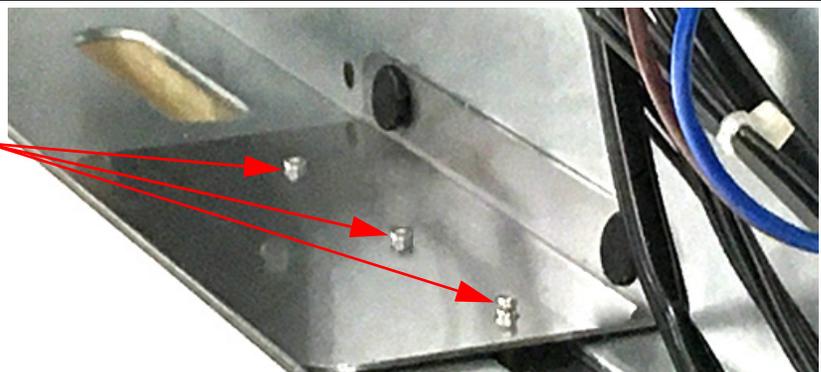


FIGURE 20

7. Close the E-box and secure the E-box cover.
 8. With the Support-Tie Bracket secured in place with rivets, install the frame assembly.
 See "Frame Assembly Installation" on page 15.

Frame Assembly Installation

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

Perform the following activities to establish the frame assembly and LED back-lighting components.

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

The screws are located 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 21.

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

Wrapper retaining screw (right side)

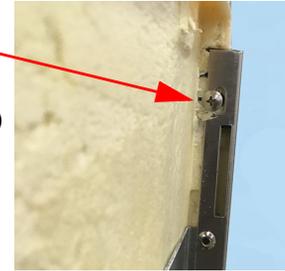


FIGURE 21

2. Locate and become familiar with the Frame Assembly. See FIGURE 22.

Location for wrapper retaining screws to secure frame to the unit

Holes to secure the frame assembly to the Support-Tie Bracket.



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

FIGURE 22

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 23.



FIGURE 23

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 24.



FIGURE 24

5. Secure the frame assembly to the Support-Tie bracket with two (2) #8-32 screws. See FIGURE 25.

Secure the frame assembly to the Support-Tie Bracket with two screws.

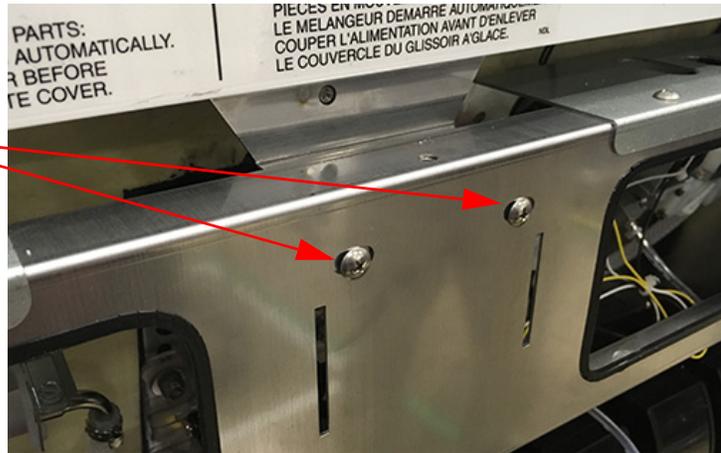


FIGURE 25

Flavor Shot Valve Assembly Installation

Flavor Shot Conversion: The following applies when converting an IDC 255 Legacy 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.

Note: FIGURE 26 shows one Flavor Shot Valve Assembly; two are provided with the Fluidics Kit.

Important: Flavor Shot Valve Assembly labeled F1 & F2 is installed on the left and Flavor Shot Valve Assembly labeled F3 & F4 is installed on the right.

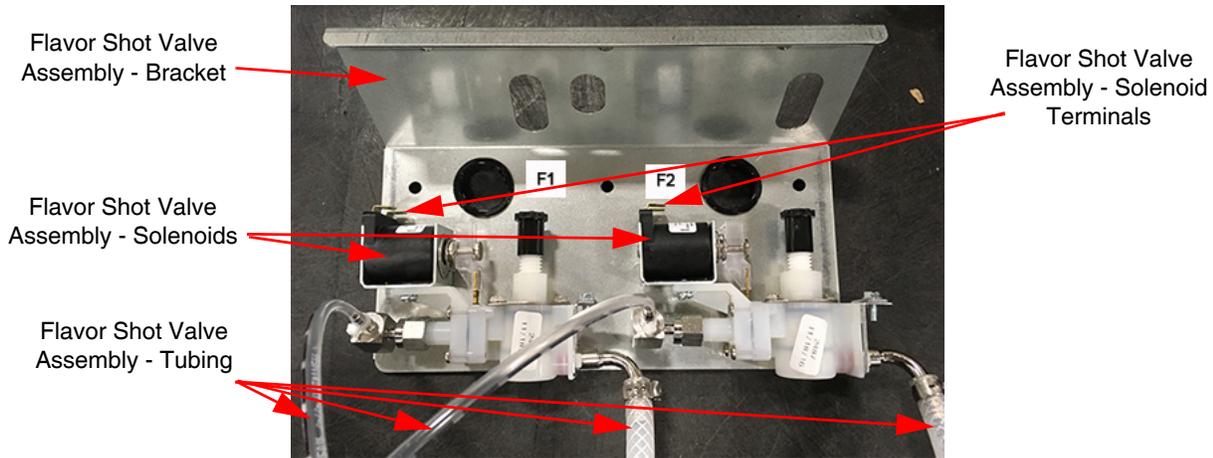


FIGURE 26

2. Remove the splash panel. Before placing the Flavor Shot Valve Assembly into the Frame Assembly, remove the splash panel to be able to route the tubing from the valve assembly. To do this, lift the splash panel from the bottom of the unit.

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 as shown in FIGURE 27.



Flavor Shot Tubing - White

Flavor Shot Tubing - Clear

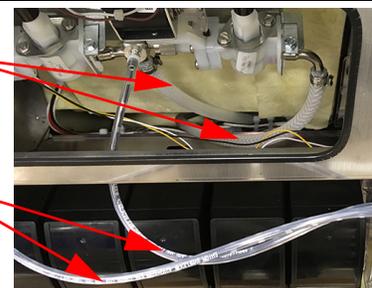


FIGURE 27

4. Secure the first 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 28.



Flavor Shot Valve Assembly - mounting bracket

FIGURE 28

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 flavor shot solenoid valve.
To do this, insert tab connector pairs from the solenoid wiring harness onto the solenoid terminals for each solenoid valve. Harness connections to each solenoid valve (when solenoid valves are numbered 1 through 4 & left to right) are as follows:
 - Solenoid 1: White wire in back, **Red** in front. See FIGURE 29.
 - 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 back terminal and red wire on front terminal

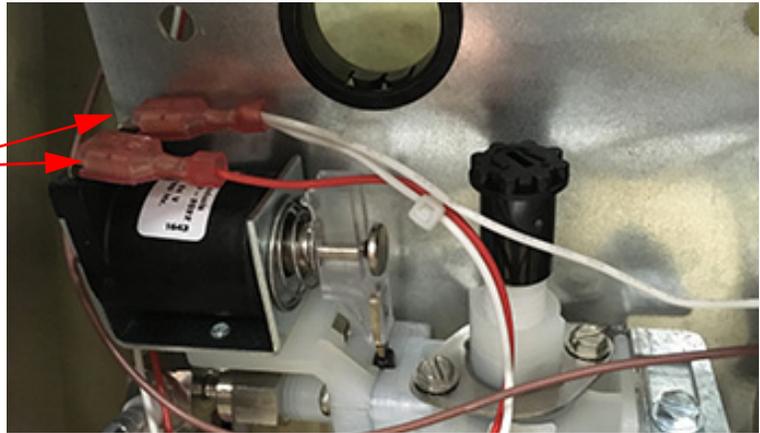


FIGURE 29

Flavor shot tubing, routed appropriately, is shown in FIGURE 30.

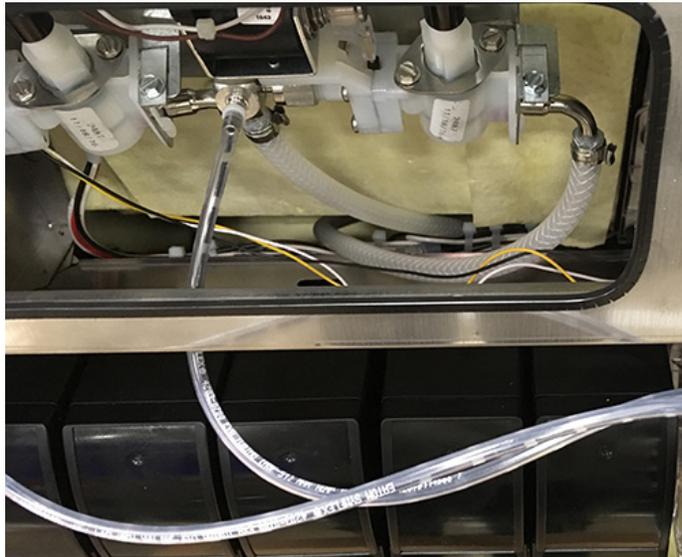


FIGURE 30

Flavor Shot Nozzle Assembly Installation

Flavor Shot Conversion: The following applies when converting an IDC 255 Legacy 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.

The Flavor Shot Nozzle Assembly hooks onto the Frame Assembly Support bracket on the front of the unit.

See FIGURE 31.

Note: The Flavor Shot Nozzle Assembly bracket may have four (4) hooks that attach to the frame assembly.

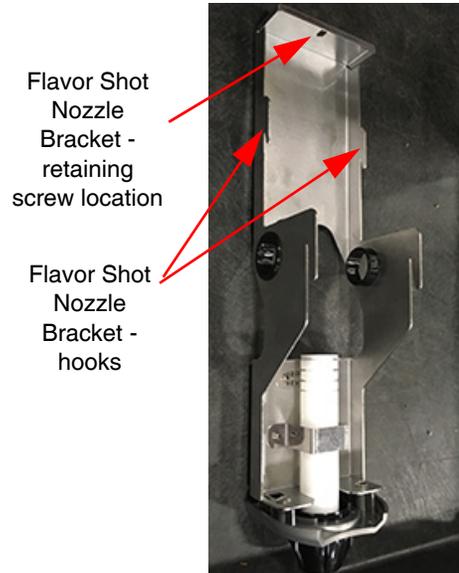


FIGURE 31

2. Add the Flavor Shot Nozzle Bracket to the frame assembly.

To do this, position and tilt the bracket over the slots on the front of the frame assembly, then insert the hooks into the slots and pull the bracket down into place.

See FIGURE 32.

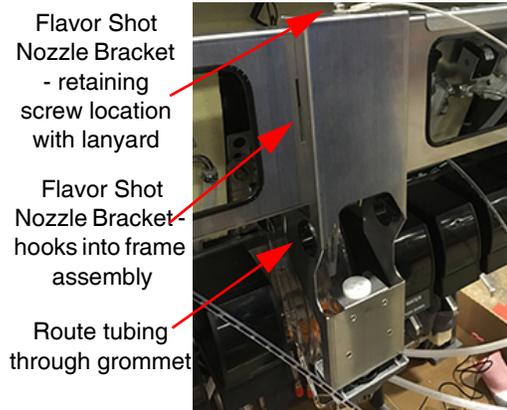


FIGURE 32

3. Hand-tighten one end of the lanyard to the top of the nozzle bracket and screw the other end to the support-tie bracket. See FIGURE 33.

Lanyard attached to the support-tie bracket and nozzle bracket

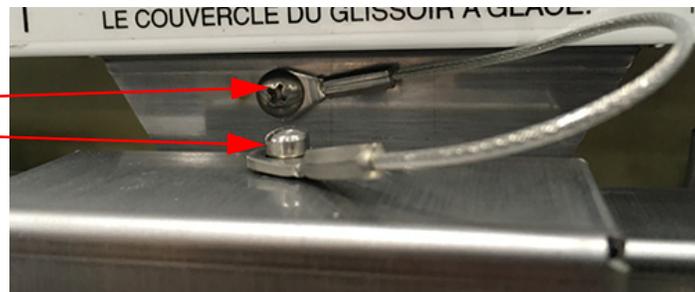
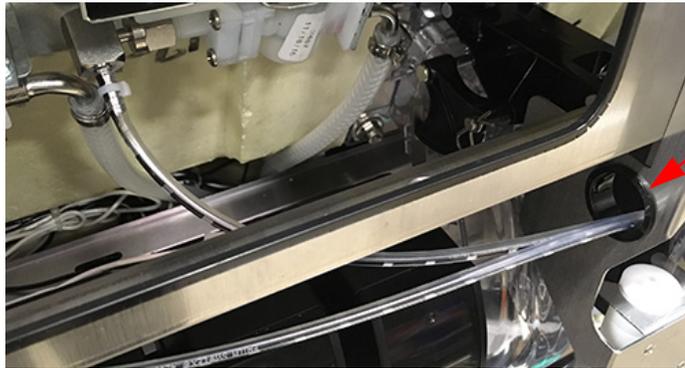


FIGURE 33

4. Route flavor shot tubing through the grommet on the side of the flavor shot nozzle assembly.
See FIGURE 34.



Route tubing through grommet in
Flavor Shot Nozzle bracket

FIGURE 34

5. 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 35 and FIGURE 36.

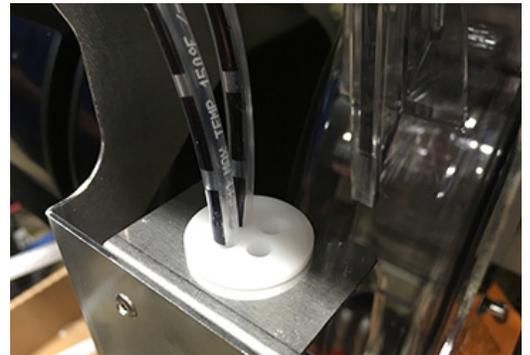


FIGURE 35



FIGURE 36

LED Panel Installation

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

Perform the following activities to install the LED Panel.

<p>1. Locate the components for LED Panel installation. See FIGURE 37.</p> <ul style="list-style-type: none"> • Bushings • Hinge pins • Cotter pins 	<p>LED Panel Bushings, Cotter pins, Hinge pins</p> <p>FIGURE 37</p>
<p>2. Secure the LED Panel to the hinges on the frame assembly. To do this, insert 2 bushings into each hinge bracket (upper and lower hinge brackets) on the frame assembly. Then, locate the LED panel, place it over the hinges, insert the hinge pins and insert the cotter pins into the hinge pins. See FIGURE 38</p>	<p>Hinge brackets on frame assembly with bushings</p> <p>FIGURE 38</p>
<p>3. Connect the LED Lighting Extender harness connector (24v power supply extender harness) to the LED Panel connector as shown in FIGURE 39.</p>	<p>LED Lighting Extender Harness connection</p> <p>FIGURE 39</p>
<p>4. Close the LED Panel so that the panel rests on the brackets shown in FIGURE 40.</p>	<p>LED Panel LED Panel bracket</p> <p>FIGURE 40</p>

Merchandiser Installation

Flavor Shot or Renew Conversion: The following applies when converting an IDC 255 Legacy 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 41.
To do this, proceed to Step 2.

Renew Unit Conversion:

1. Locate the Merchandiser as shown in FIGURE 41 (left). Then, proceed to Step 5.
Note: The Renew Unit does not have the Flavor Shot Merchandiser keypad.

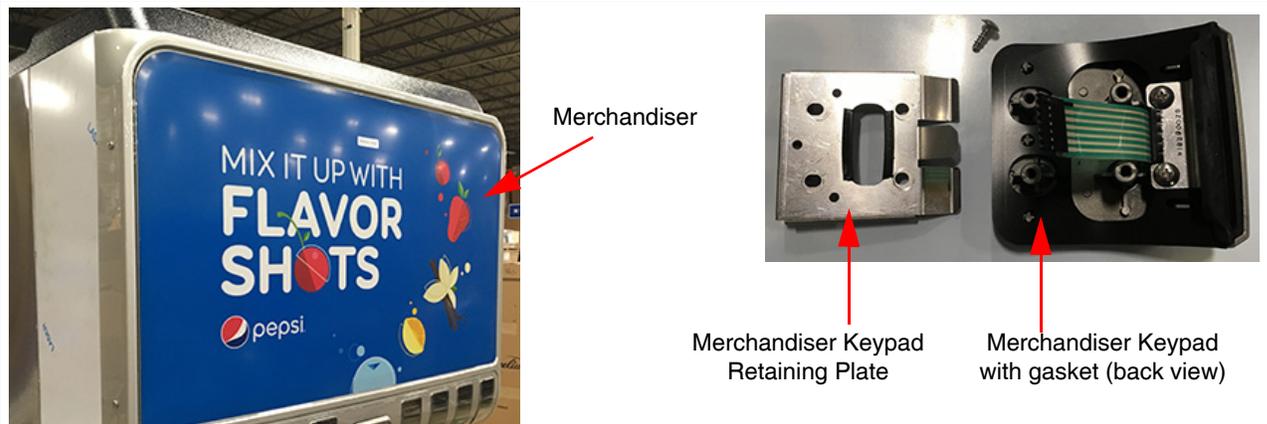


FIGURE 41

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 42.

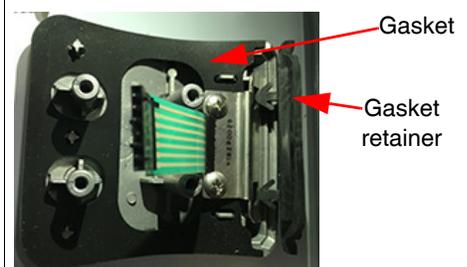


FIGURE 42

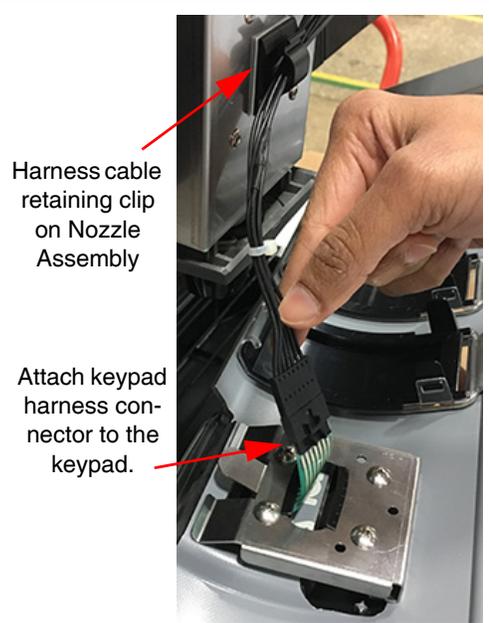
3. Insert the keypad onto the merchandiser, cover it with the retaining plate, then screw the retaining plate into the keypad.
Note: Be careful not to over-tighten the screw.
See FIGURE 43.



Merchandiser Keypad - Installed with Retaining Plate

FIGURE 43

4. Connect the keypad harness connector to the keypad.
 Start by placing a cable retaining clip on the nozzle assembly bracket.
 Then, connect the keypad harness connector to the keypad connector.
 See FIGURE 44.



Harness cable retaining clip on Nozzle Assembly

Attach keypad harness connector to the keypad.

FIGURE 44

5. Install the Merchandiser.
 To do this, lift the merchandiser onto the front of the unit, over the LED Panel and secure it with four (4) screws (two on each side). See FIGURE 45.

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



Merchandiser keypad

FIGURE 45

Splash Panel Installation

Flavor Shot Conversion: The following applies when converting an IDC 255 Legacy 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 46.



FIGURE 46

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 assembly with screws as shown in FIGURE 46.



Establish Syrup Line Connections - Flavor Shot Conversion

Flavor Shot Conversion: The following applies when converting an IDC 255 Legacy 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.

- | |
|--|
| 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 Legacy 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. |
| 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.
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. |
| 3. Check the connections in the following areas for possible leaks <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 |
| 4. Perform appropriate sanitizing activities, as necessary. See the IDC 255 Operator's Manual (621058599OPR) for details. |

Conduct Startup Activities - Renew Unit

Renew Conversion: The following applies when converting an IDC 255 Legacy 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.

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

DIAGRAMS

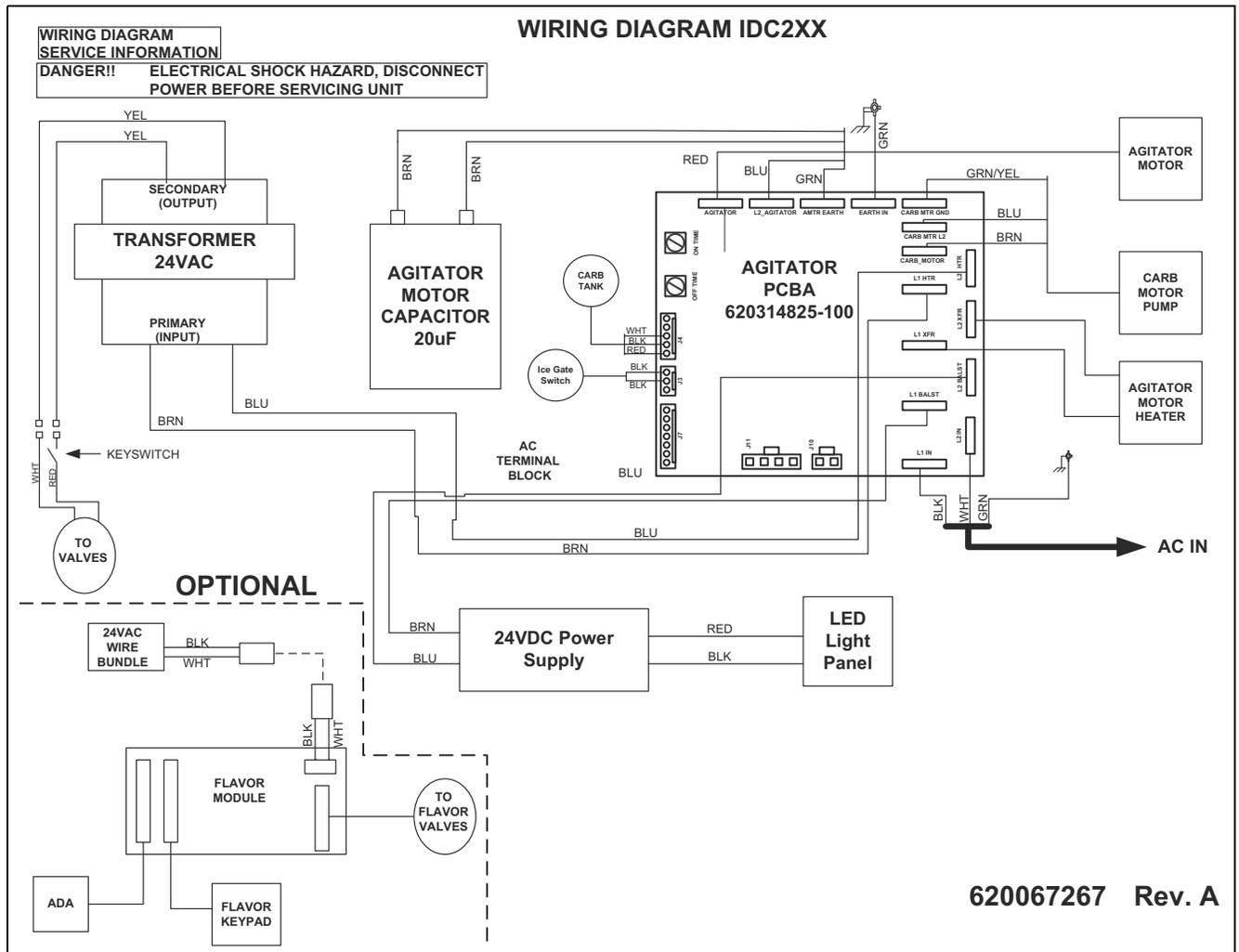


FIGURE 1

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.

<p>Flavor syrups do not dispense.</p>	<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
<p>Flavor dispenses for more the 1 second</p>	<ul style="list-style-type: none"> • Dip switch settings on control board incorrect • PC board defective • Defective flow control
<p>Flavor dispenses more the .5 Oz</p>	<ul style="list-style-type: none"> • Dip switch settings on control board incorrect • Flow control incorrectly set • PC board defective • Defective flow control



