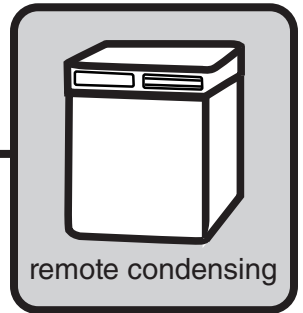


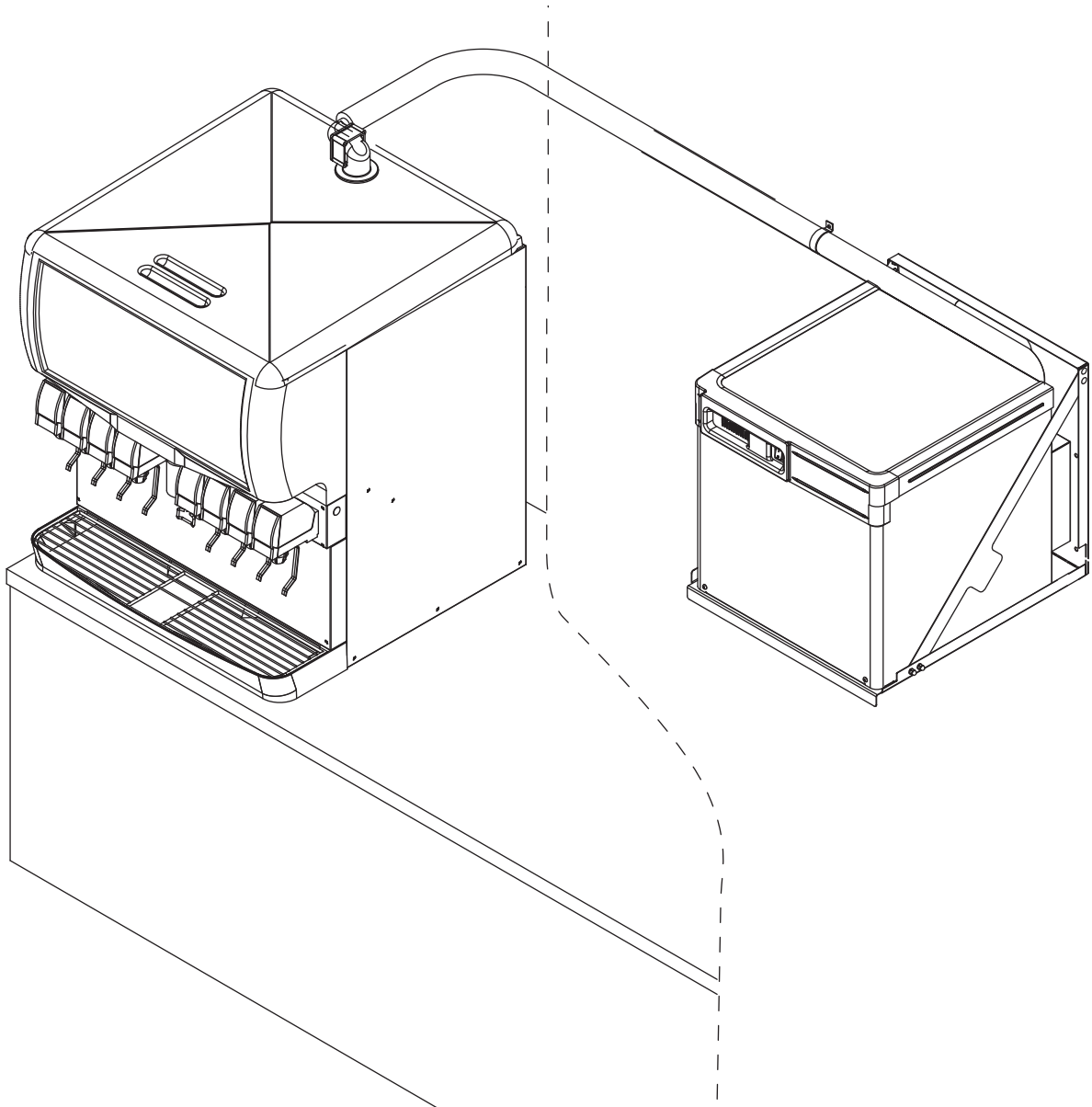
Horizon Elite™ Ice Machine with RIDE® Technology
Installation Instructions for Ice and Beverage Dispenser Applications

D1000, D1400, D1800, D2100 Series

Order parts online
www.follettice.com



**For applications using most countertop dispensers manufactured by
Cornelius • Lancer • Servend**



801 Church Lane • Easton, PA 18040, USA
Toll free (877) 612-5086 • +1 (610) 252-7301
www.follettice.com

01565092R00

 CAUTION!

- This appliance should be connected by a qualified person in accordance with applicable codes.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Connect to potable water supply only.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should be supervised to ensure that they do not play with the appliance.
- This appliance is intended to be used for household and similar applications such as staff kitchen areas in shops, offices and other working environments; farm houses and by clients in hotels, motels and other residential type environments; bed and breakfast type environments; catering and similar non-retail applications.
- **WARNING!** To avoid a hazard due to instability of the appliance, it must be fixed in accordance with the instructions.

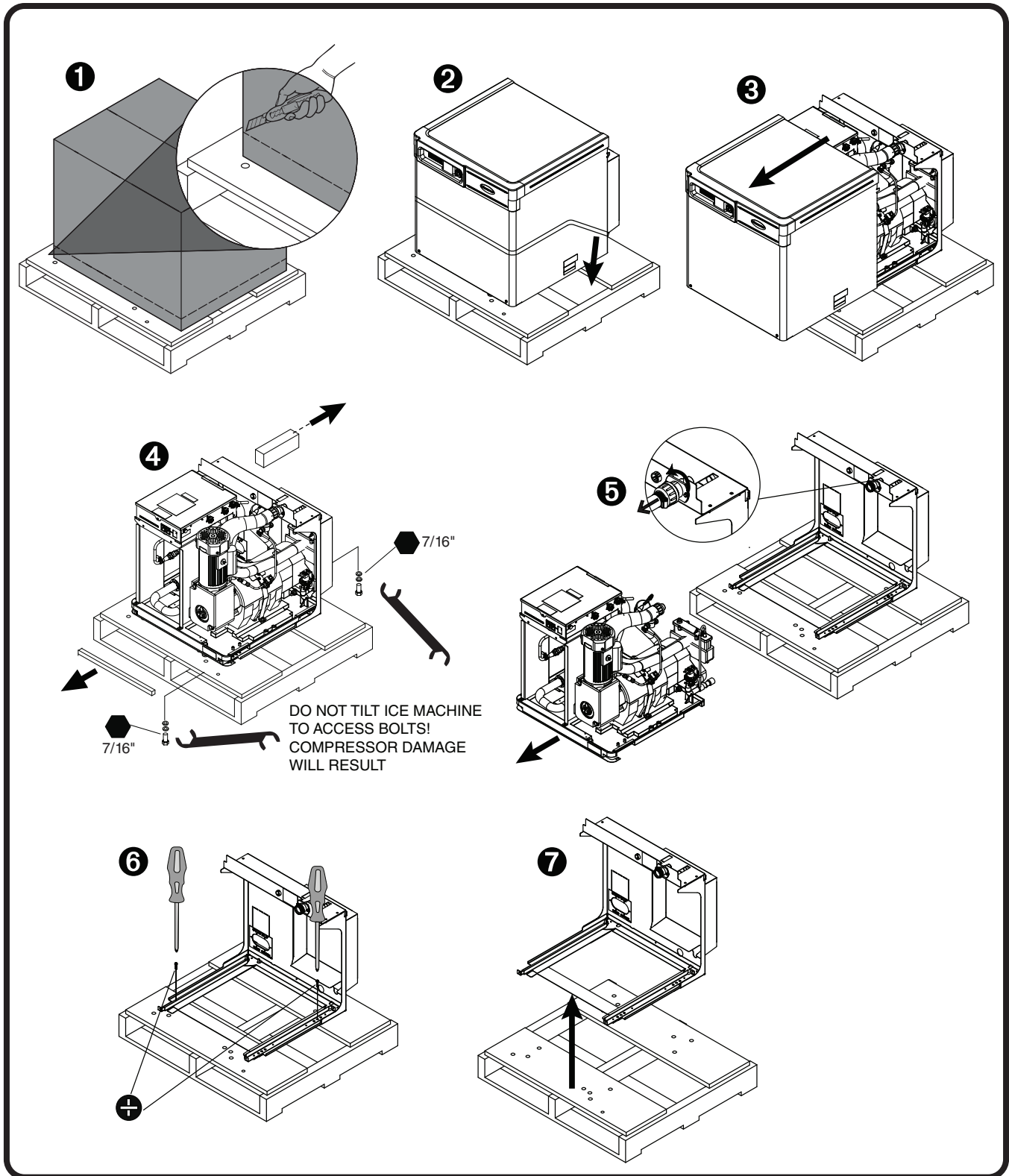
Contents

Unpack	4
Unpack Ice Machine	4
Site Preparation	5
Installation Site Requirements	5
Bin Preparation	6
Hole location - Ice and Beverage Dispenser (Lancer, Cornelius or Servend)	6
Top preparation	7
Top preparation	7
Top preparation – ALL	7
Agitation adjustments – CORNELIUS	8
Agitation adjustments – LANCER 4500 SERIES	8
Agitation adjustments – LANCER Sensation and Touchpoint	8
Agitation adjustments – LANCER FS SERIES	9
Agitation adjustments – servend	9
Agitation adjustments – Coke Freestyle 9000	9
Dispenser diverter plate overview (Installation on next page)	10
Dispenser diverter plate installation – CORNELIUS ED, DF and DB SERIES	11
Agitation adjustments – Cornelius IDC and Flavor Fusion	11
BEFORE PROCEEDING	11
Docking Assembly	12
Wall Bracket Accessory	12
Machine Stand Accessory	12
Docking Assembly	12
Transport Tube	13
Ice Transport Tube Installation	13
External Connections	14
Water And Flush Drain	14
Chassis Drain Plumbing - Required	14
Refrigerant Lines	15
Internal Connections	15
Ice Transport Tube	15
Water Solenoid, Shut-Off Valve, and Potable Water Line Options	15
Refrigeration Lines	16
Power Cord	16
Power Cord	16
TDS Switch	16
Front Cover and Condensing Unit	17
Install Front Cover To Ice Machine	17
Install Condensing Unit	17
Ice Machine Start Up Procedure	18
Before Turning on Power	18
After Turning on Power	18
Long Tube Run Recommendations	19

1. Unpack

Carefully unpack and inspect the contents of your Follett ice machine.

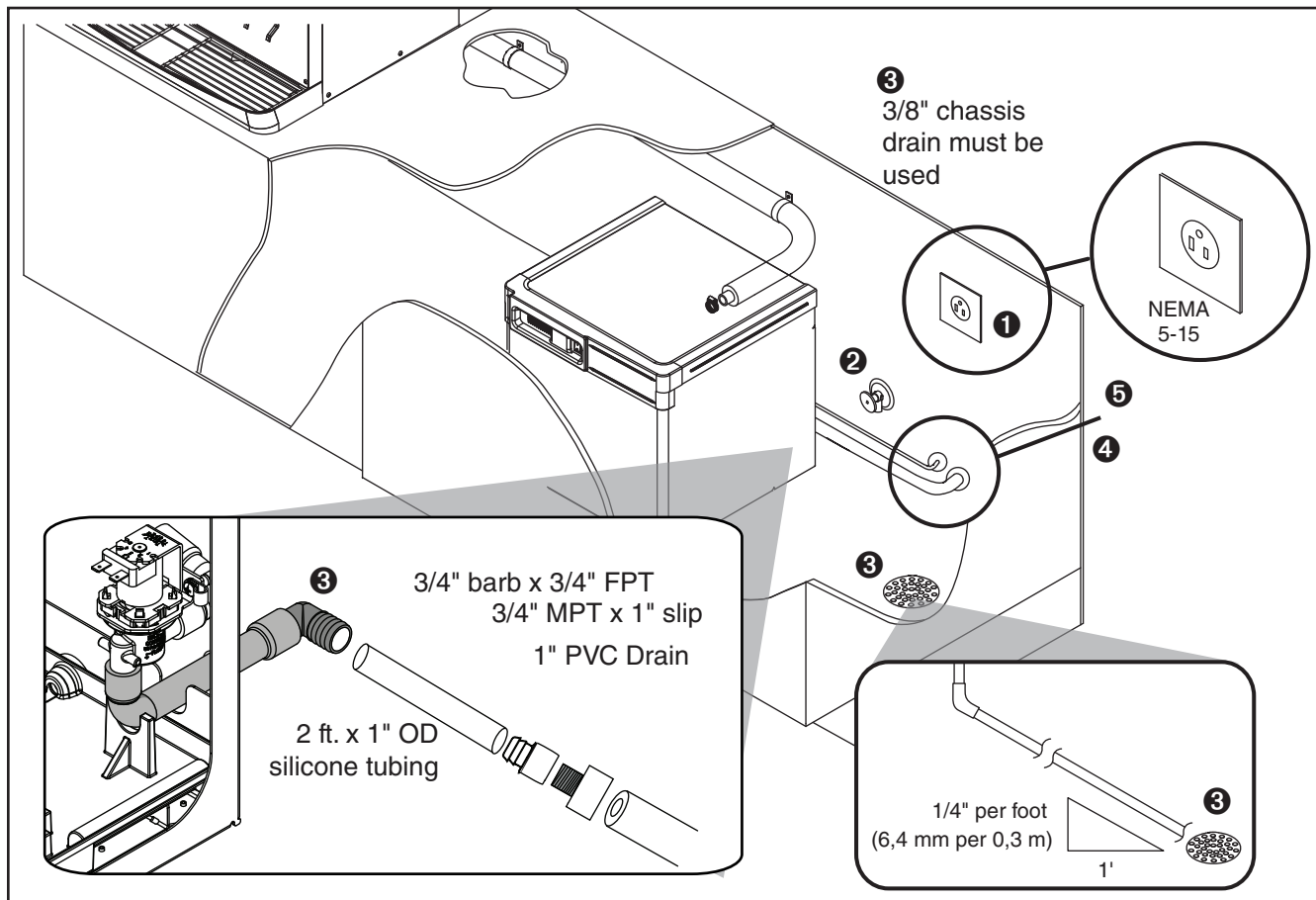
1.1 Unpack Ice Machine



2. Site Preparation

Provide drainage, potable water supply and electrical power to within 6 feet (2m) of ice machine in accordance with local and national codes. Outdoor installation is not recommended and will void warranty.

2.1 Installation Site Requirements



Electrical ① 120/60/1-5 amps

WARNING!

- This appliance should be permanently connected by a qualified person in accordance with applicable codes.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Potable Water Supply ② (3/8" push-in internal connection, 3/8" OD tubing required)

10 psi to 70 psi (69 kpa to 483 kpa)

45 F to 90 F (7 C to 32 C)

- This equipment is to be installed with adequate backflow protection to comply with applicable federal, state, and local codes

Drains ③ 3/4" barb for silicone drain, 3/8" push-to-connect for chassis drain

Minimum 8" radius on silicone drain line. The drain line from the ice machine must have at least 1/4" per foot (6,4 mm/0,3 m) pitch

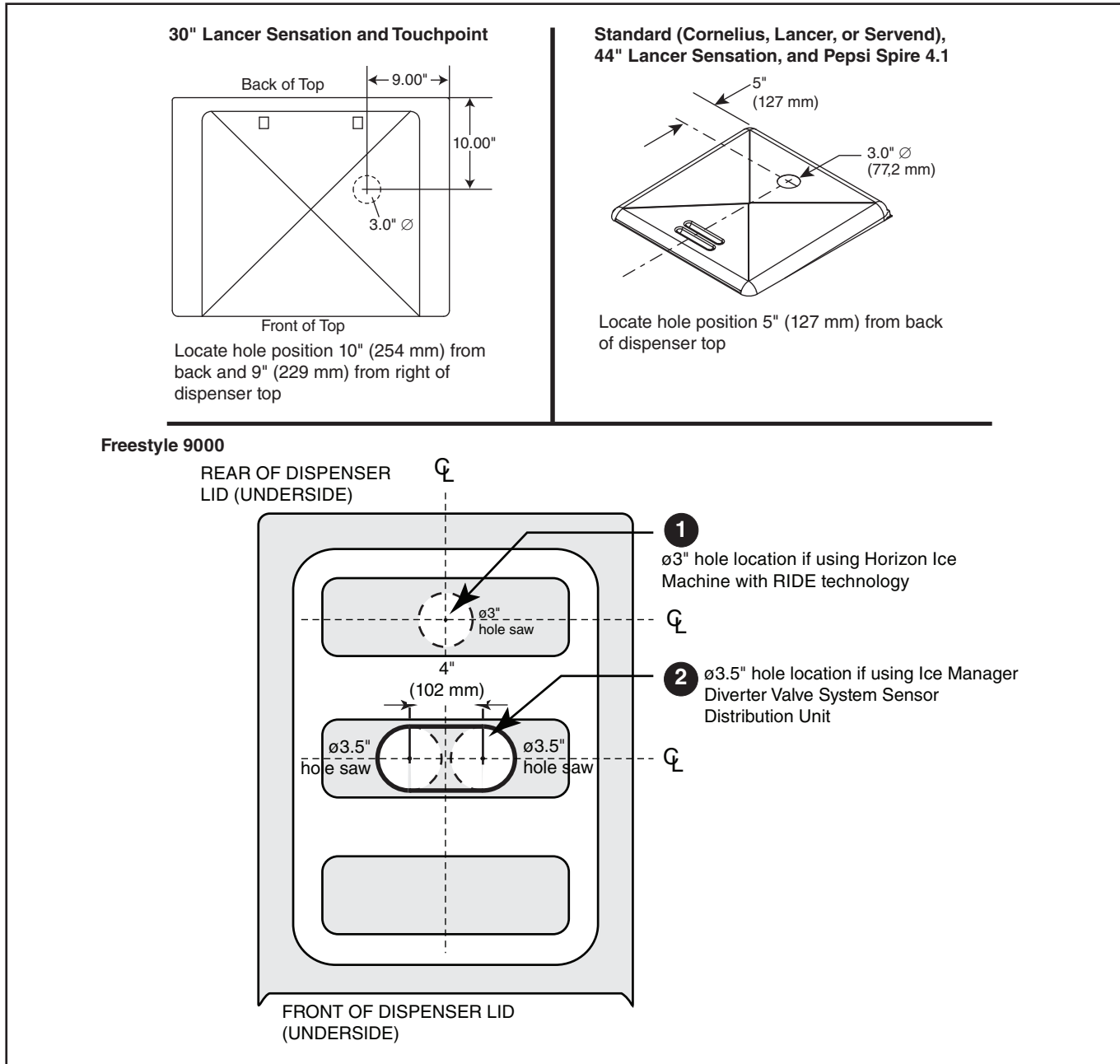
Refrigeration Lines

- 1012, 1412, 1810, 1811, 1812, 2110, 2112: 7/8" Ø (22,2 mm) diameter suction line (insulated) ④
- 1010, 1410: 5/8" Ø (22,2 mm) diameter suction line (insulated) ④
- 1810, 1811, 1812, 2110, 2112: 3/8" Ø (9,5 mm) liquid line ⑤

3. Bin Preparation

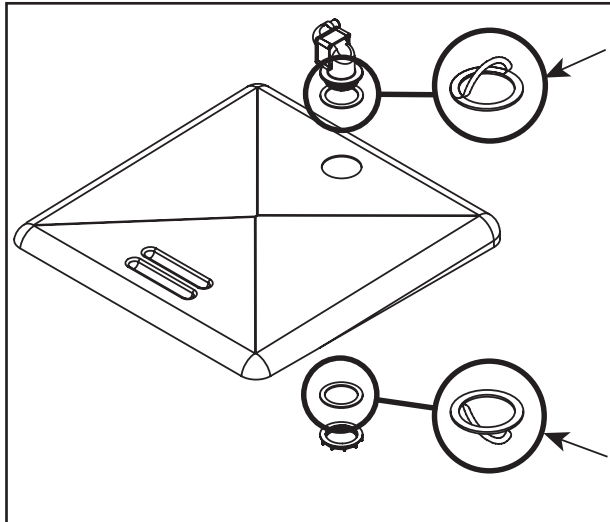
Attention! The location of the hole in the dispenser top is dependent on the type of dispenser. Be sure to follow Step 3.1 for the appropriate dispenser.

3.1 Hole location - Ice and Beverage Dispenser (Lancer, Cornelius or Servend)



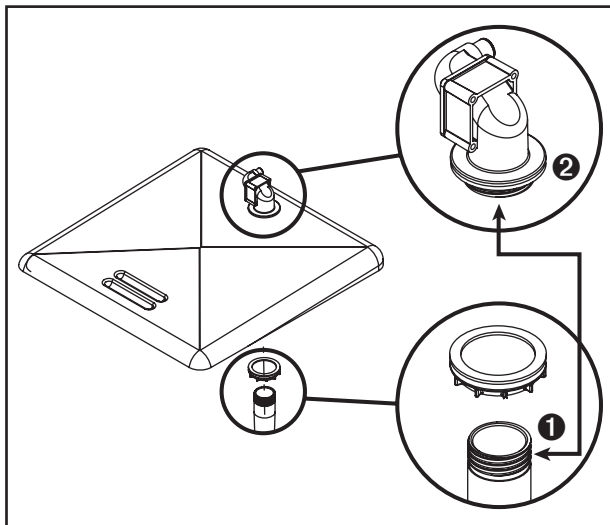
All others: If your dispenser is not listed or you need help with your installation, please call our technical service group at (877) 612-5086 or +1 (610) 252-7301.

3.2 Top preparation



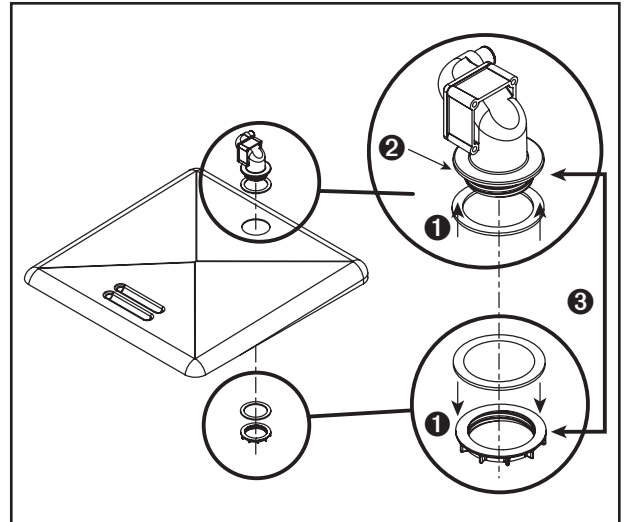
- Remove protective tape from gaskets ❶

3.4 Top preparation – ALL



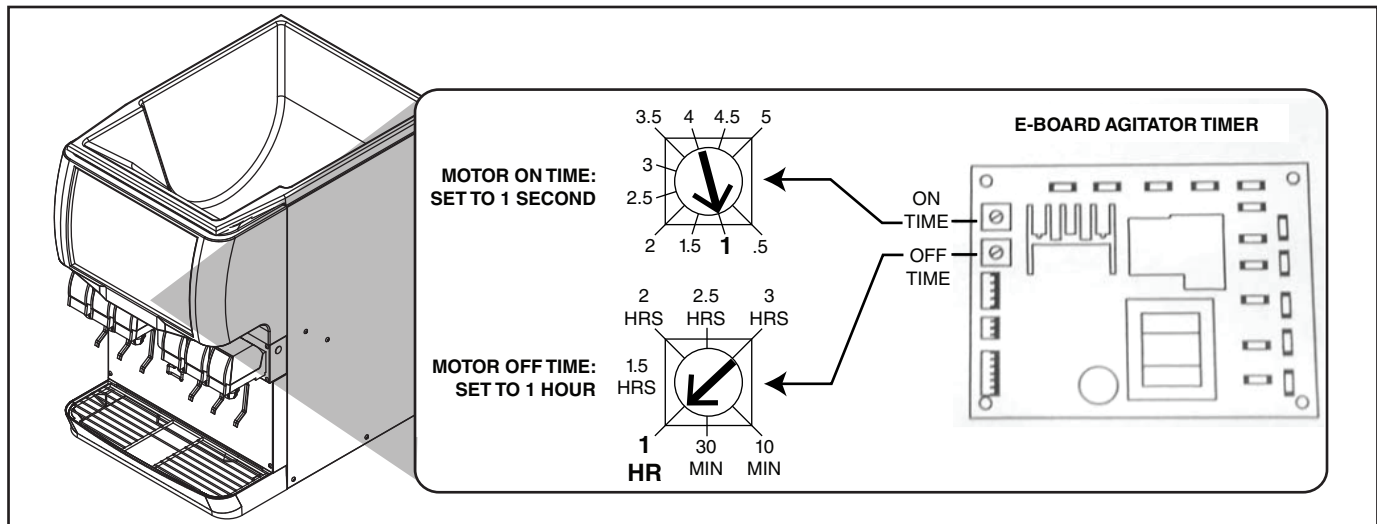
- Screw 4" (102 mm) extension ❶ into bottom of shuttle actuator ❷

3.3 Top preparation



- Apply gaskets ❶
- Install shuttle actuator ❷ through bottom of dispenser top and secure with locking nut ❸

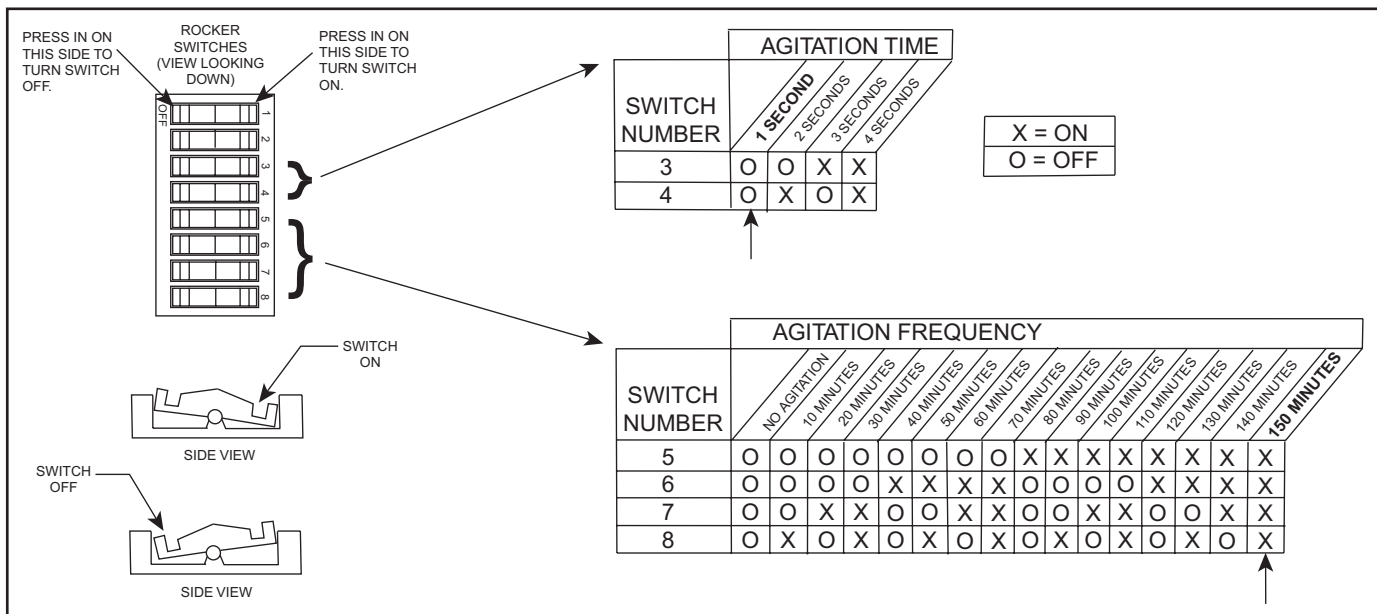
3.5 Agitation adjustments – CORNELIUS



Cornelius models ED, DB, DF, IDC and FLAVOR FUSION

Adjust the agitation timer located on the Cornelius PC board to 1 second on, 1 hour off. **Note:** See Cornelius manual for more information.

3.6 Agitation adjustments – LANCER 4500 SERIES



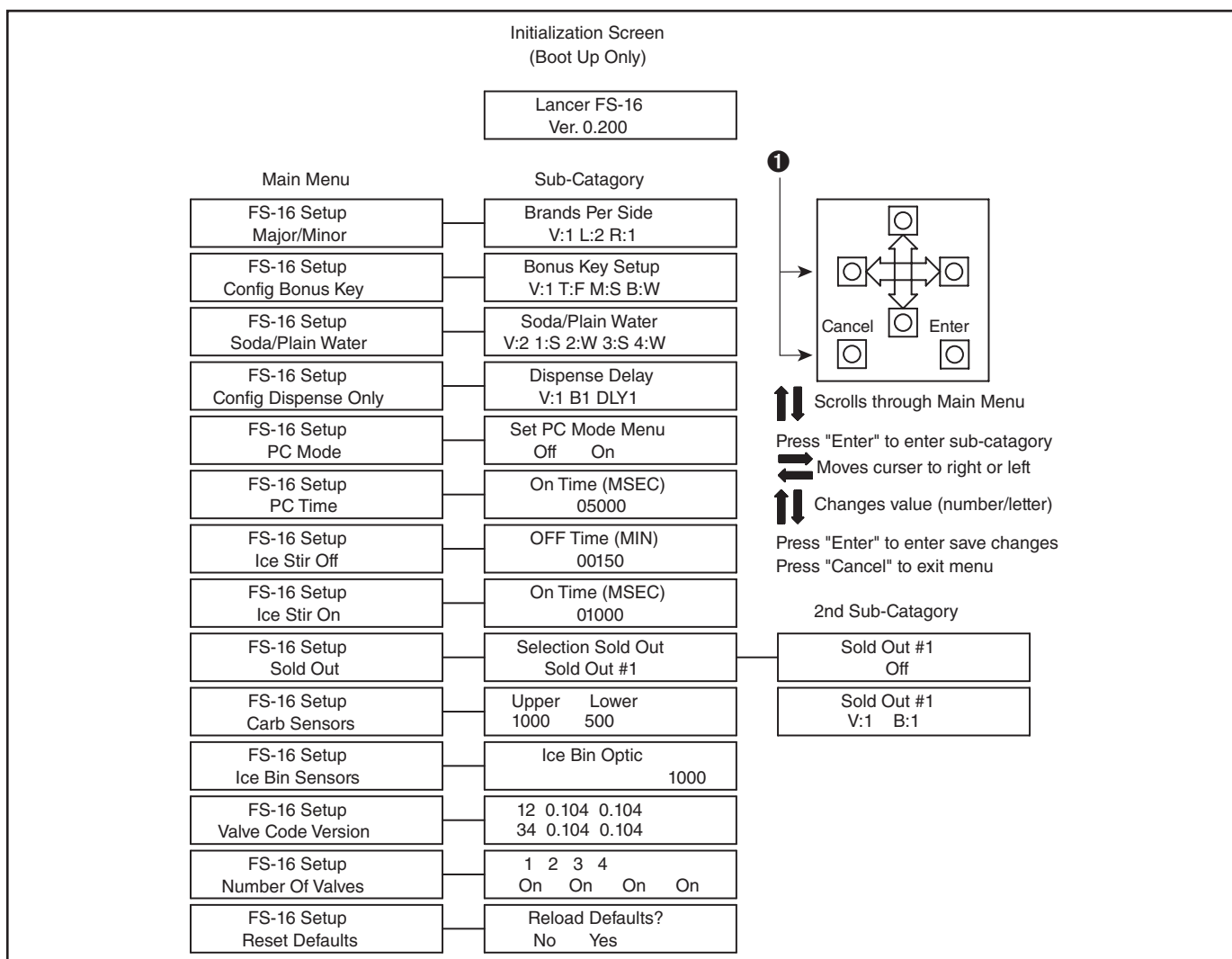
Lancer 4500 series only

Adjust the agitation time to 1 second, and the agitation frequency to 150 minutes. See Lancer manual for more information.

3.7 Agitation adjustments – LANCER Sensation and Touchpoint

No agitation adjustment required

3.8 Agitation adjustments – LANCER FS SERIES



Lancer FS series only

- Hold down "cancel" and "left button" to get to hidden menu ①
- Type in code 6655
- Type in 150 minutes of off time and 1012 milliseconds (1 second of time) as the preferred setting

Note: See Lancer manual for more information.

3.9 Agitation adjustments – servend

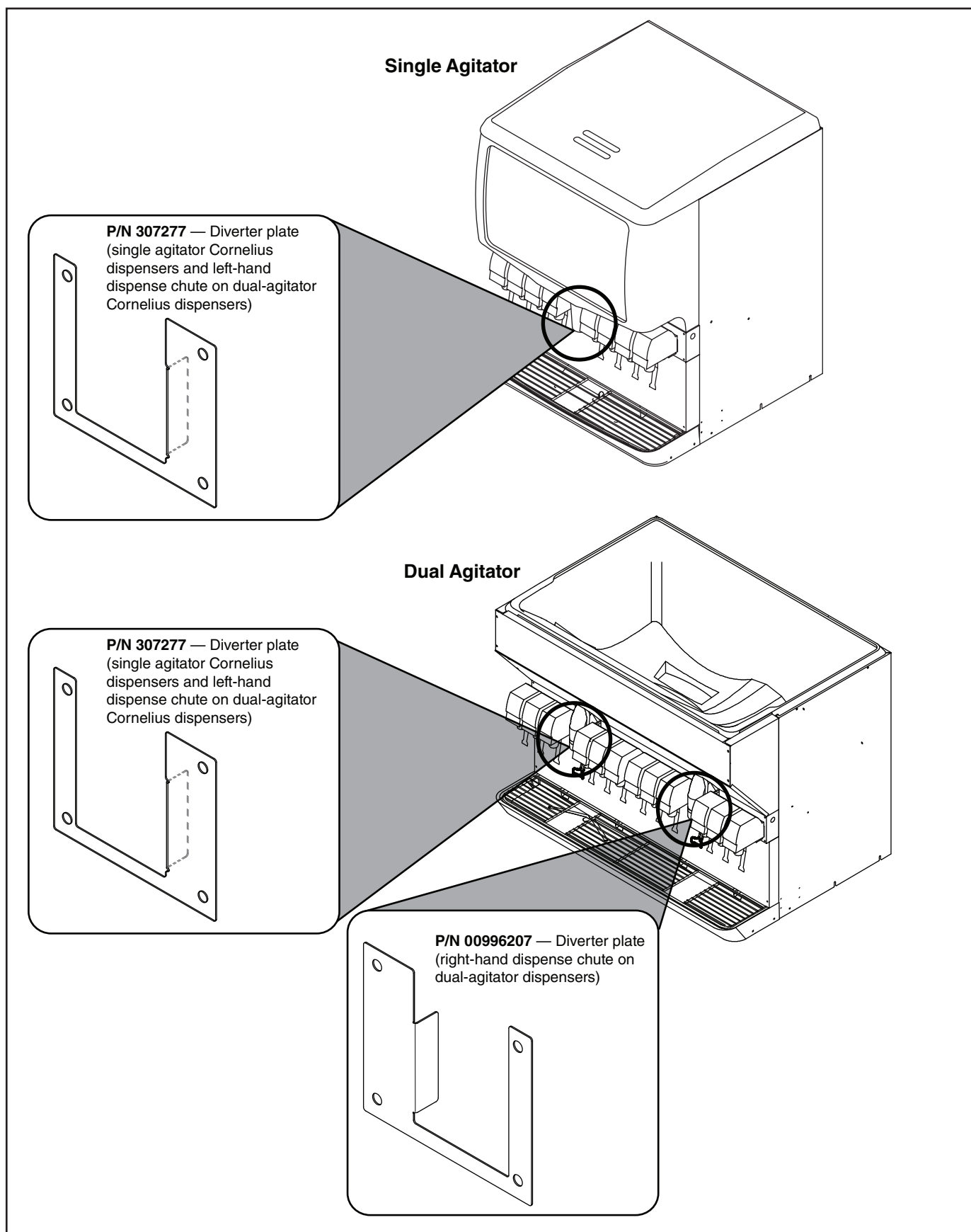
Servend models only

No agitation adjustment required.

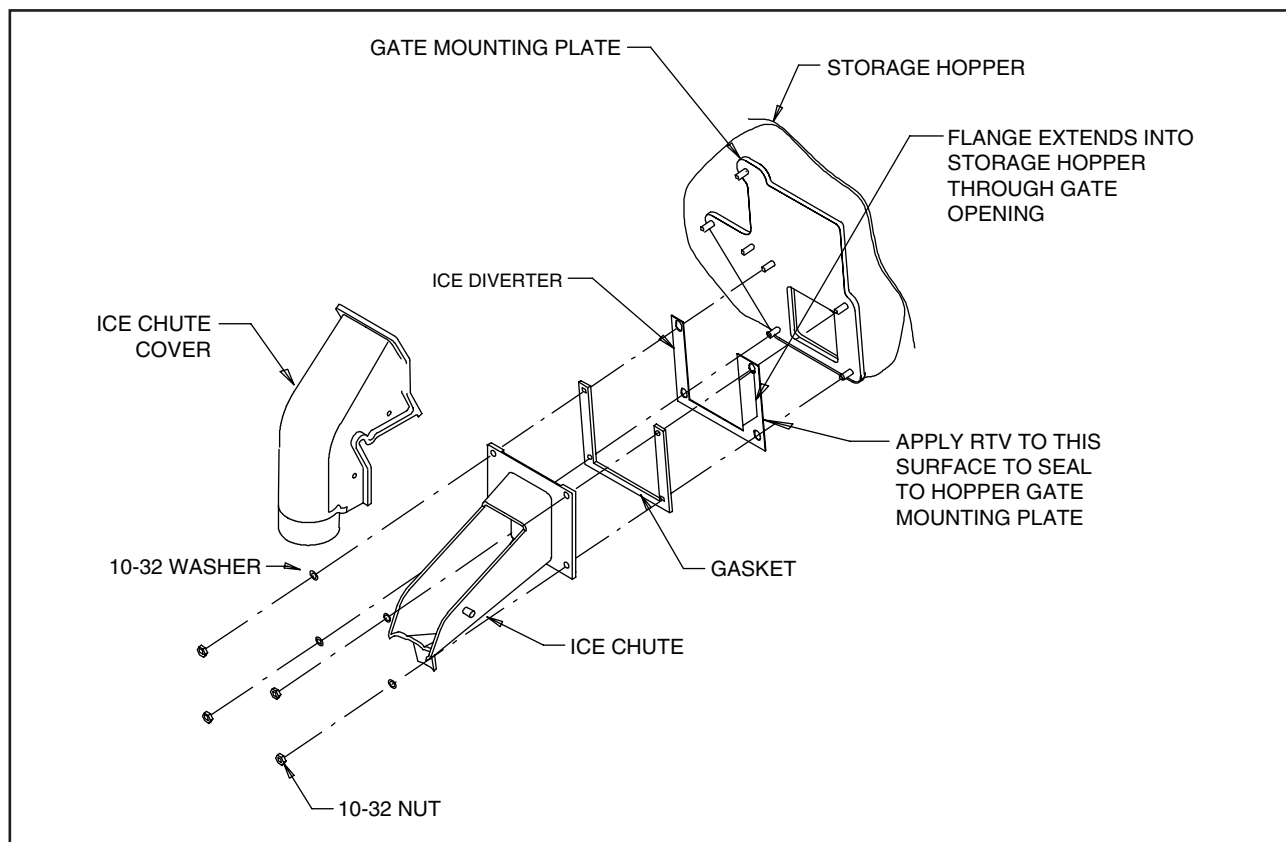
3.10 Agitation adjustments – Coke Freestyle 9000

Call Coca-Cola at 800-241-COKE (2653) and request a Freestyle Senior Tech.

3.11 Dispenser diverter plate overview (Installation on next page)



3.12 Dispenser diverter plate installation – CORNELIUS ED, DF and DB SERIES



Cornelius ED, DF and DB series only

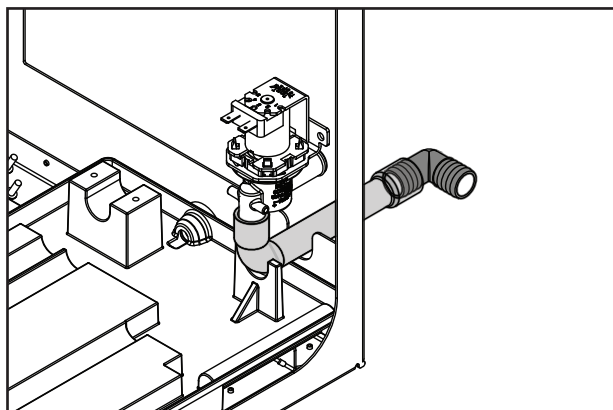
These dispensers require the installation of an ice diverter at the dispenser opening.

- Disassemble chute assembly
- Discard factory restrictor plate
- Replace with alternate diverter plate (supplied)

3.13 Agitation adjustments – Cornelius IDC and Flavor Fusion

These dispensers require modifications for compatibility with Chewblet ice. Agitation times must be set to 1 second ON, 1 hour OFF and the ice restrictor plate must be adjusted to the fully open position. See your beverage supplier for these modifications.

3.14 BEFORE PROCEEDING



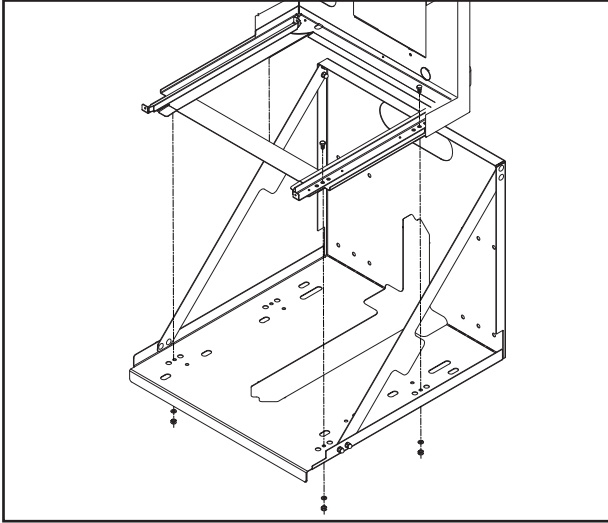
- Prior to installing the docking assembly, ensure that the drain fitting is oriented (right or left) correctly for your installation. An optional straight drain fitting is also supplied. You may need to remove the back panel of the docking assembly in order to re-orient or change the drain fitting. Replace back panel prior to mounting the docking assembly.

4. Docking Assembly

BEFORE PROCEEDING!

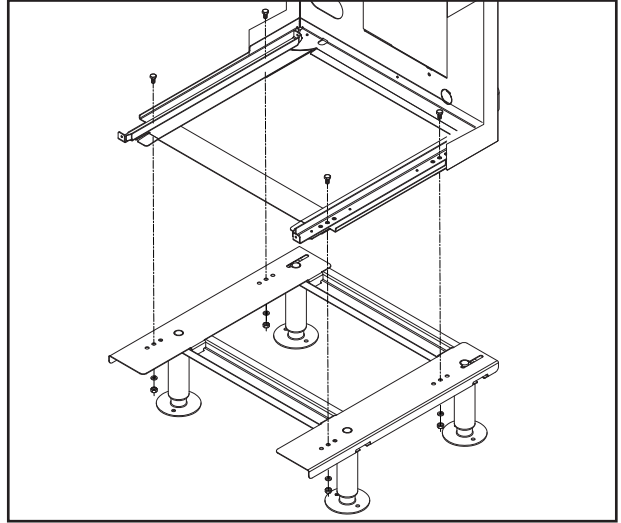
- Docking station must be secured in accordance with these instructions to ensure ice machine stability.
- Ventilation openings in the docking station should be clear of obstruction. Failure to do so could result in damage to equipment.
- Plug must be accessible after final installation.

4.1 Wall Bracket Accessory



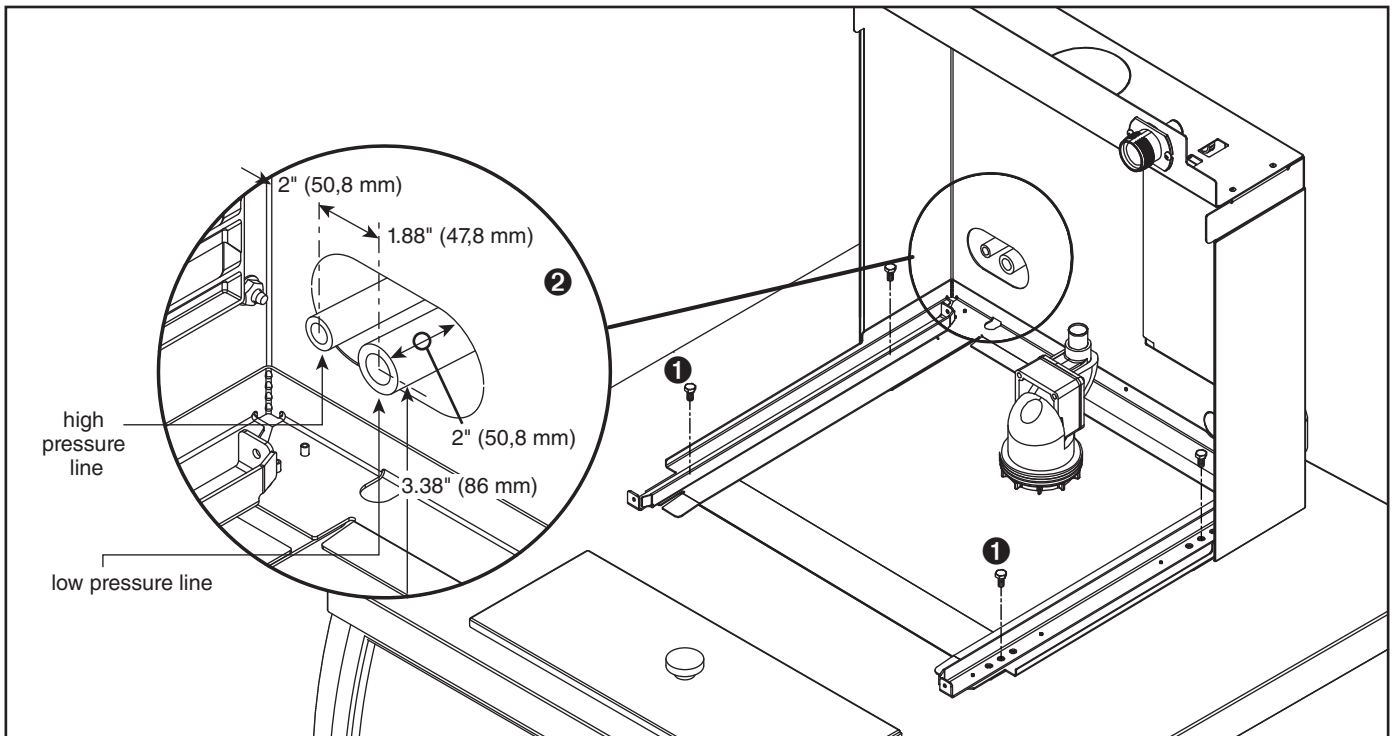
- Mount docking assembly to wall bracket accessory

4.2 Machine Stand Accessory



- Mount docking assembly to machine stand accessory

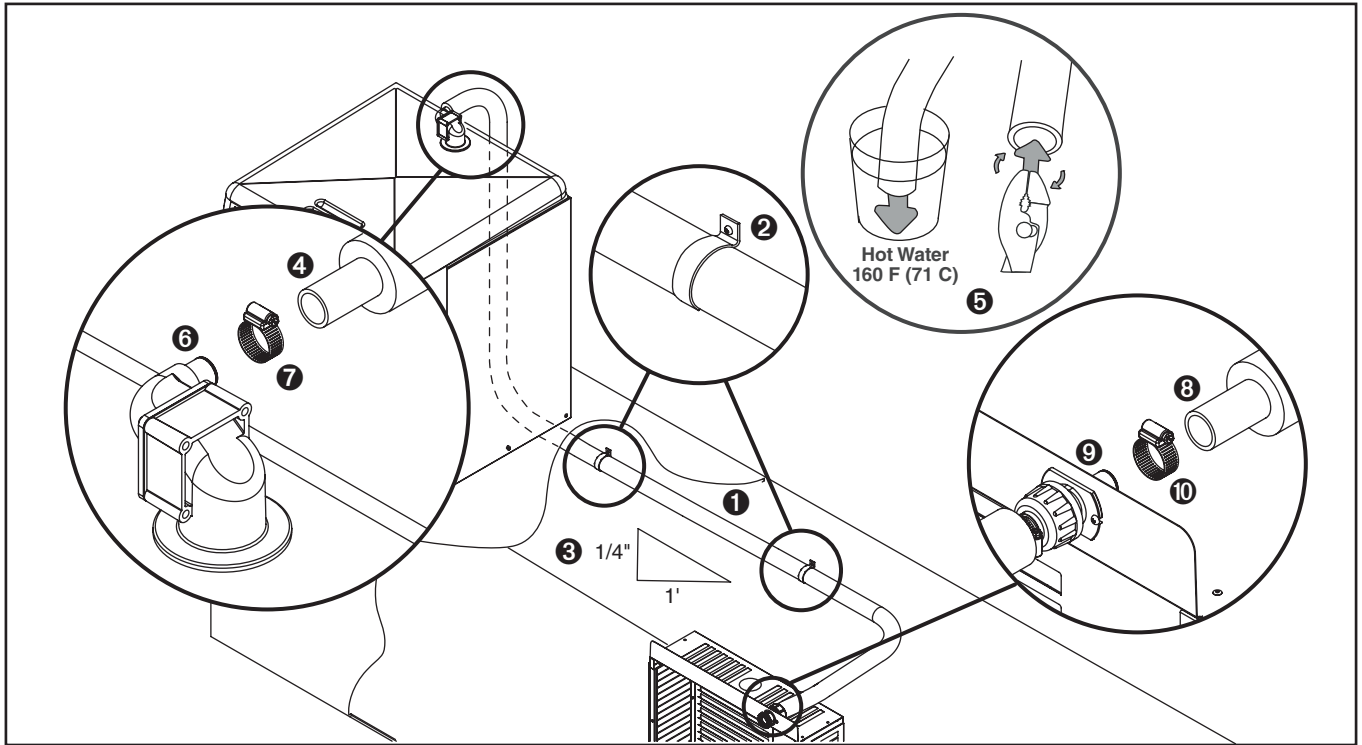
4.3 Docking Assembly



- Mount docking assembly ①
- "Rough-in" the refrigerant piping ②

5. Transport Tube

5.1 Ice Transport Tube Installation



Ice transport tube tips

- Insulate entire length of ice transport tube ①.
- Secure ice transport tube ② as needed to prevent dips and traps from forming. For long tube runs see guide on page 19.
- Pitch ice transport tube at least 1/4" per foot (6,4 mm/0,3 m) ③.
- Ice transport tube must drain towards ice machine.

Ice transport tube to dispenser

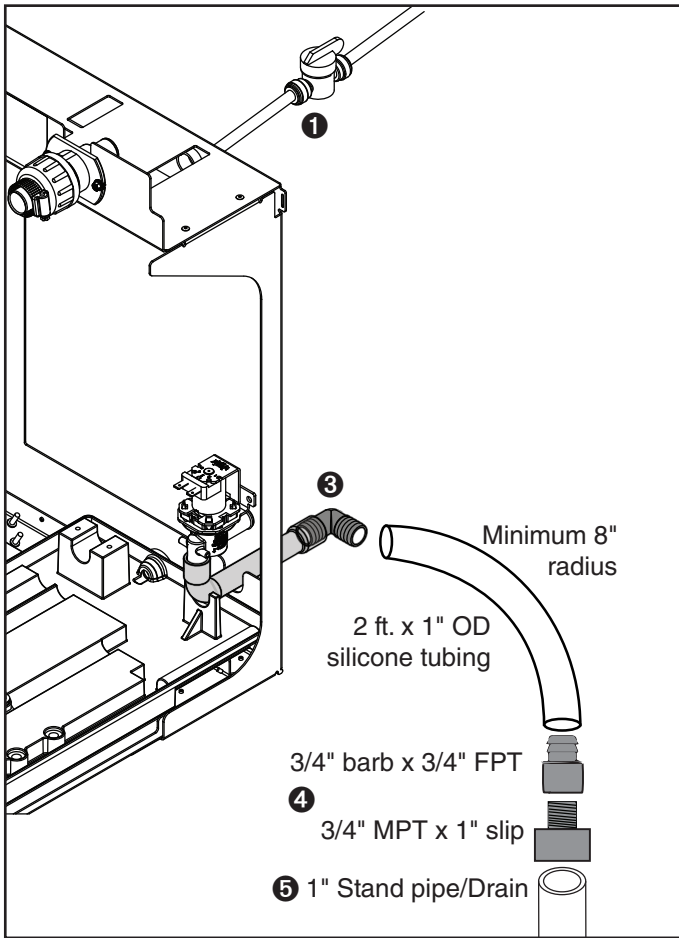
- Be sure tube ends are square ④.
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ⑤ before making connection to ease assembly.
- Push ice transport tube onto shuttle actuator nipple ⑥.
- Install hose clamp ⑦.

Ice transport tube to Ice machine

- Be sure tube ends are square ⑧.
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ⑤ before making connection to ease assembly.
- Push transport tube onto ice machine nipple ⑨.
- Install hose clamp ⑩.

6. External Connections

6.1 Water And Flush Drain

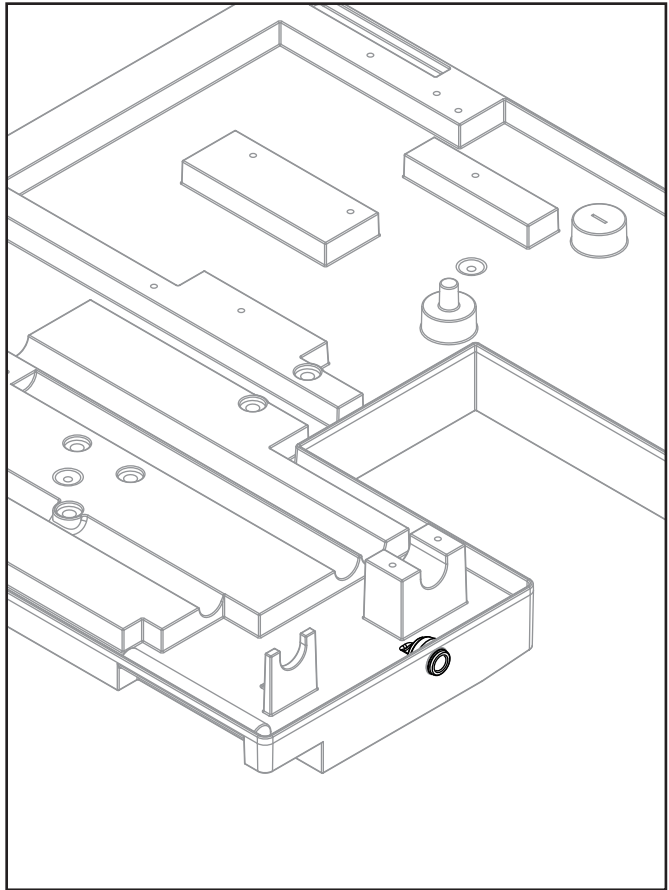


- Rough-in ice machine potable water supply ①. 3/8" push-in connection will be made at shut-off valve inside machine
- Remove access panel if necessary ②.
- Connect the silicone tubing to the ice machine 3/4" drain barb ③.
- Assemble the 3/4" barb x 3/4" FPT to the 3/4" MPT x 1" slip. Connect the other end of the silicone tubing to the 3/4" barb ④.
- Connect the 1" slip fitting to the 1" stand pipe/drain ⑤.

Note: Minimum 8" radius on silicone drain line.
Drain line from the ice machine must have at least 1/4" per foot pitch (6,4 mm/0,3 m).

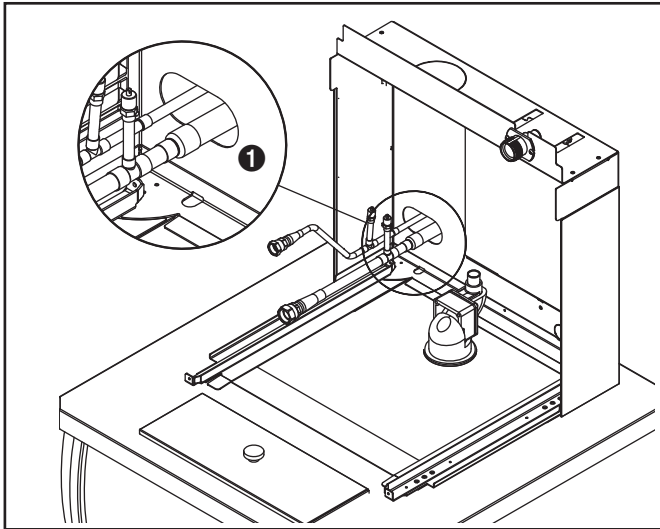
- Replace access panel.

6.2 Chassis Drain Plumbing - Required



- Route 3/8" OD drain tubing (preferably copper) through rear of docking station and fully insert into chassis base push-in fitting. Route into drain standpipe.
- Gravity drain. Ensure 3/8" OD tubing slopes down into drain standpipe without forming a trap. Replace access panel.

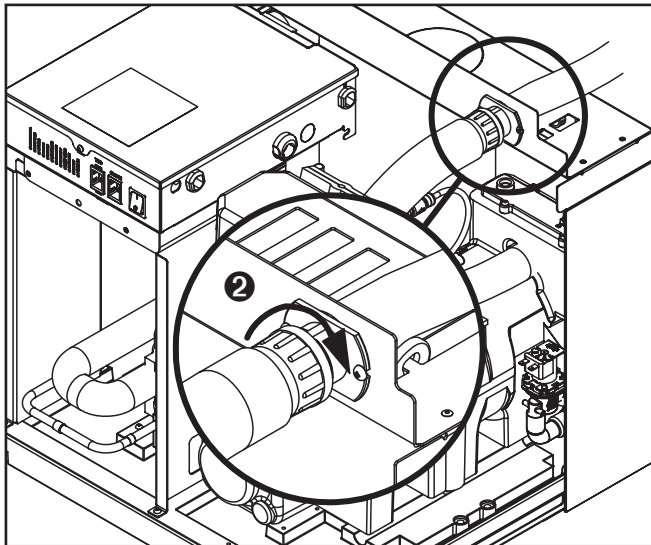
6.3 Refrigerant Lines



- Braze supplied quick-connect lines onto stub-ins ①.

7. Internal Connections

7.1 Ice Transport Tube



- Slide ice machine into docking assembly *ensuring that drain tube is fully seated on barbed drain fitting* ①.
- Insert ice transport tube all the way into coupling and tighten nut firmly ②.

7.2 Water Solenoid, Shut-Off Valve, and Potable Water Line Options

Water solenoid is already mounted to evaporator:

- Insert potable water line into shut-off valve.

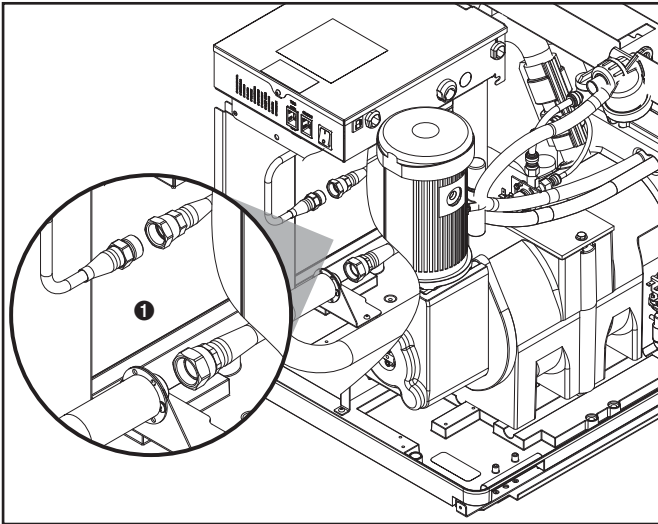
If this is an undercounter installation:

- Locate the shut-off valve inside the machine.
Insert potable water line into shut-off valve.

If machine will not be installed undercounter:

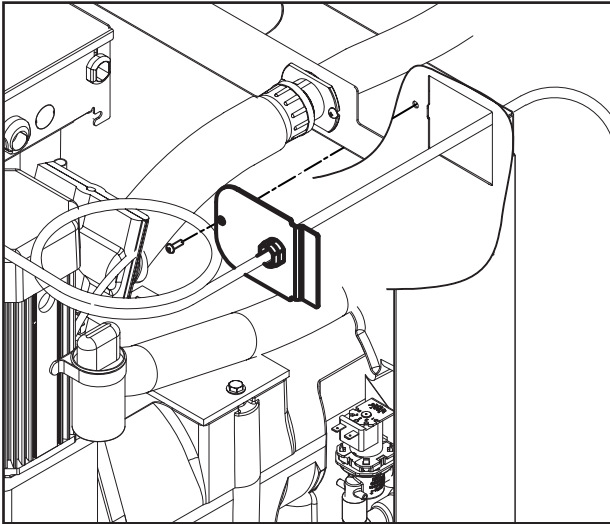
- Insert potable water line into shut-off valve - locate the shut-off valve *outside* the machine.
- Insert outgoing line from shut-off valve into push-in connection of water solenoid.

7.3 Refrigeration Lines



- Follow Condensing Unit installation instructions.
- Apply oil to threads.
- Connect self-sealing liquid and suction line fittings ①

7.5 Power Cord



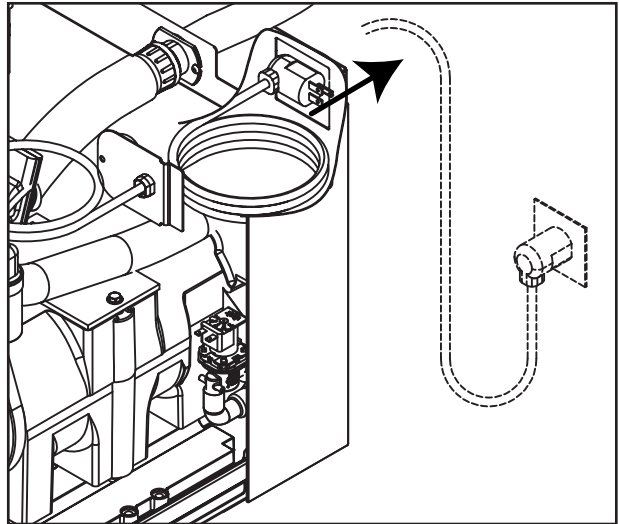
- Position plate into opening and secure with supplied screw.



WARNING!

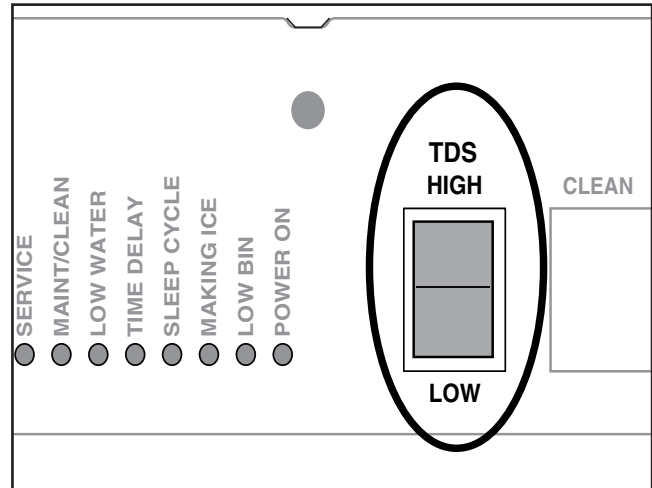
Plate must be securely installed to ensure proper equipment ground.

7.4 Power Cord



- Remove twist tie.
- Carefully pass plug through opening and plug into wall outlet.

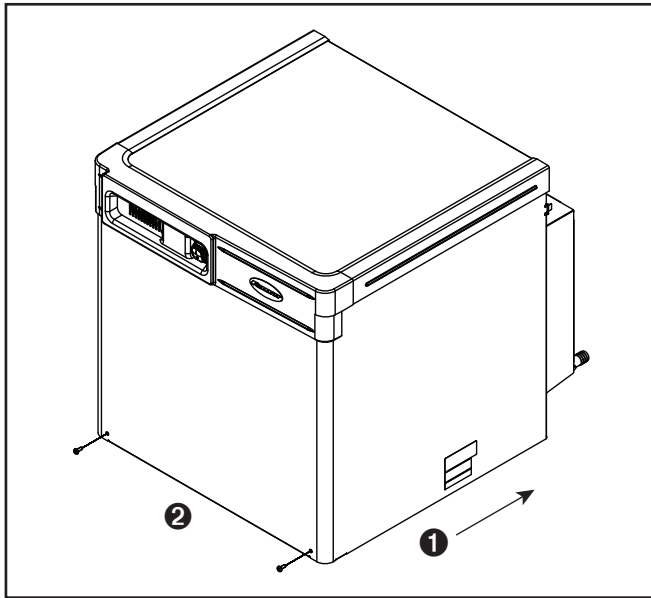
7.6 TDS Switch



- Set the TDS switch on the electrical box.
 - **HIGH:** for extended service life
 - **LOW:** for low-scale water

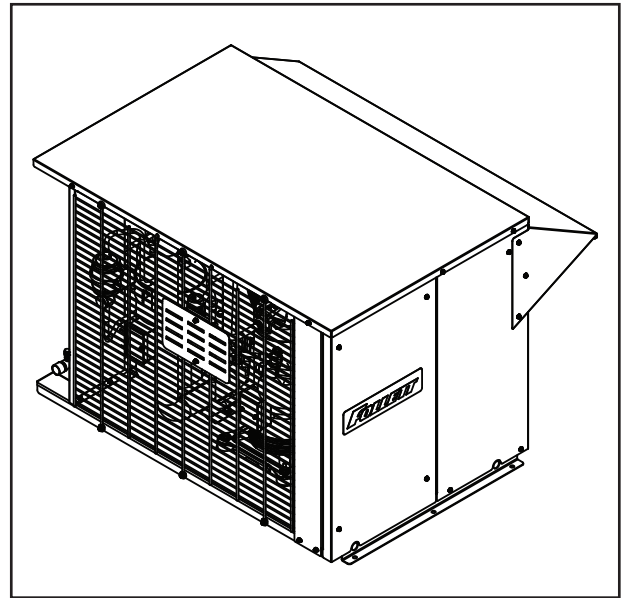
8. Front Cover and Condensing Unit

8.1 Install Front Cover To Ice Machine



- Slide ice machine cover over machine ①
- Insert and tighten two screws through cover and into docking assembly ②

8.2 Install Condensing Unit



- Complete installation of condensing unit or connection to rack system.
- Required rack system capacity at 0 F (–18 C) evaporator (EPR supplied by installer).
 - 1010CU: 7,700 Btu/hr (1940 kcal/hr)
 - 1012 CU: not rack compatible
 - 1410CU: 10,000 Btu/hr (2519 kcal/hr)
 - 1412CU: not rack compatible
 - 1810CU: 15,700 Btu/hr (3956 kcal/hr)
 - 1811CU: 15,700 Btu/hr (3956 kcal/hr)
 - 1812CU: not rack compatible
 - 2110CU: 18,200 Btu/hr (4586 kcal/hr)
 - 2112CU: not rack compatible

9. Ice Machine Start Up Procedure

The start-up procedure below is intended to ensure that ice machine is operating properly after installation has been made. Check each item listed and call factory immediately for assistance if you experience problems with unit.

NOTICE!

- Ice machine **MUST** be sanitized prior to operation!
- Consult Operation and Service Manual provided with ice machine for sanitizing instructions.

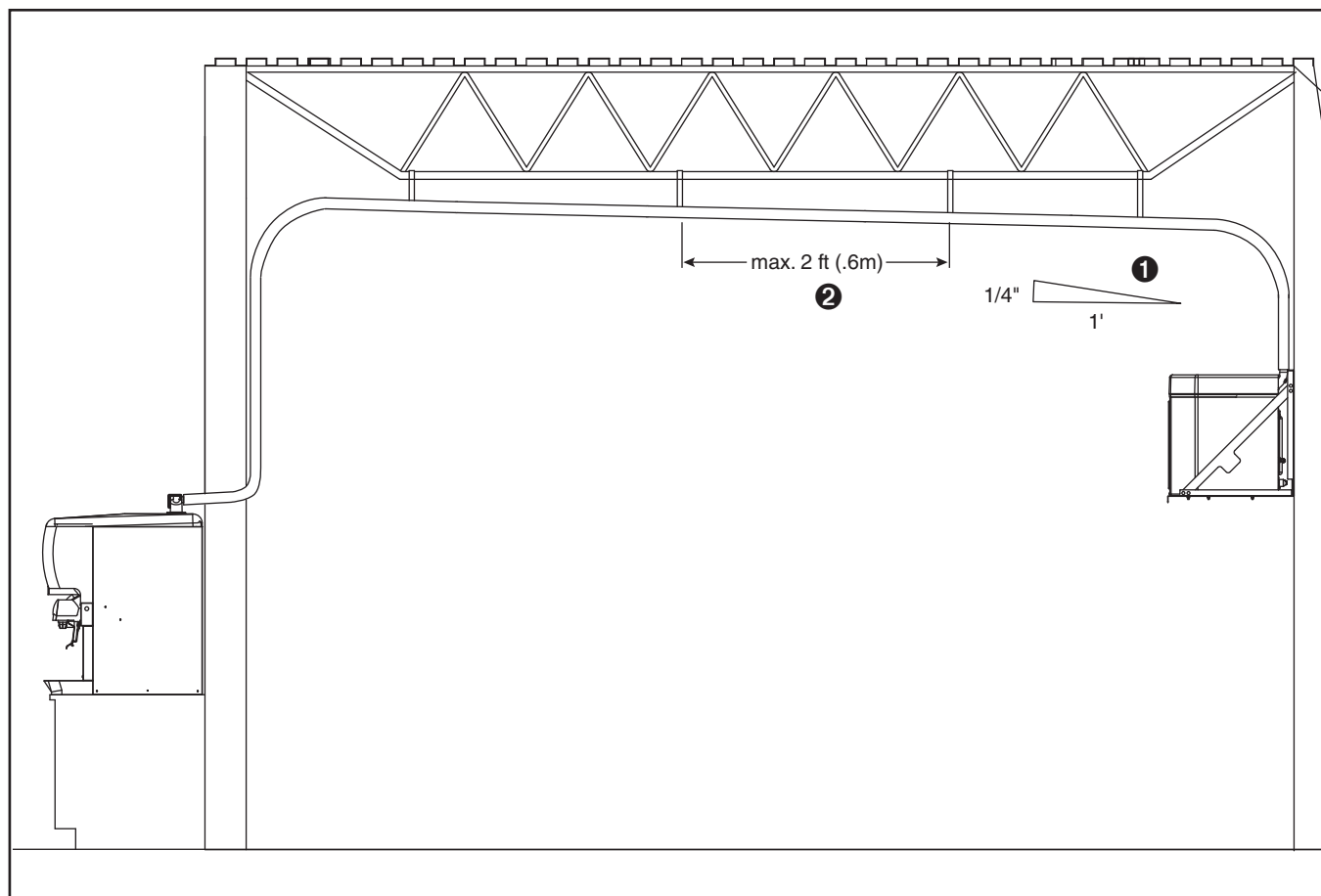
9.1 Before Turning on Power

1. Sanitize ice bin.
2. Turn on water to ice machine and check for leaks.

9.2 After Turning on Power

1. Turn on power switch and immediately press Clean switch to sanitize ice machine. At beginning of sanitizing process, ice machine will purge all water. Check internal and external drain connections for leaks.
2. After sanitizing process, ice machine will start. Confirm that gearmotor, fan motor and compressor start immediately.
3. Check that ice begins to enter dispenser bin area within approximately 10 minutes.

10. Long Tube Run Recommendations



- Pitch ice transport tube to allow melt water to drain towards ice machine ①
- Secure insulated ice transport tube at least every 2 ft (0,6 m) to prevent dips or traps ②

Maestro, Vision, Ice Manager, Horizon, Horizon Elite are trademarks of Follett Products, LLC.
Chewblet, RIDE, Follett are registered trademarks of Follett Products, LLC.