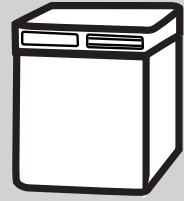


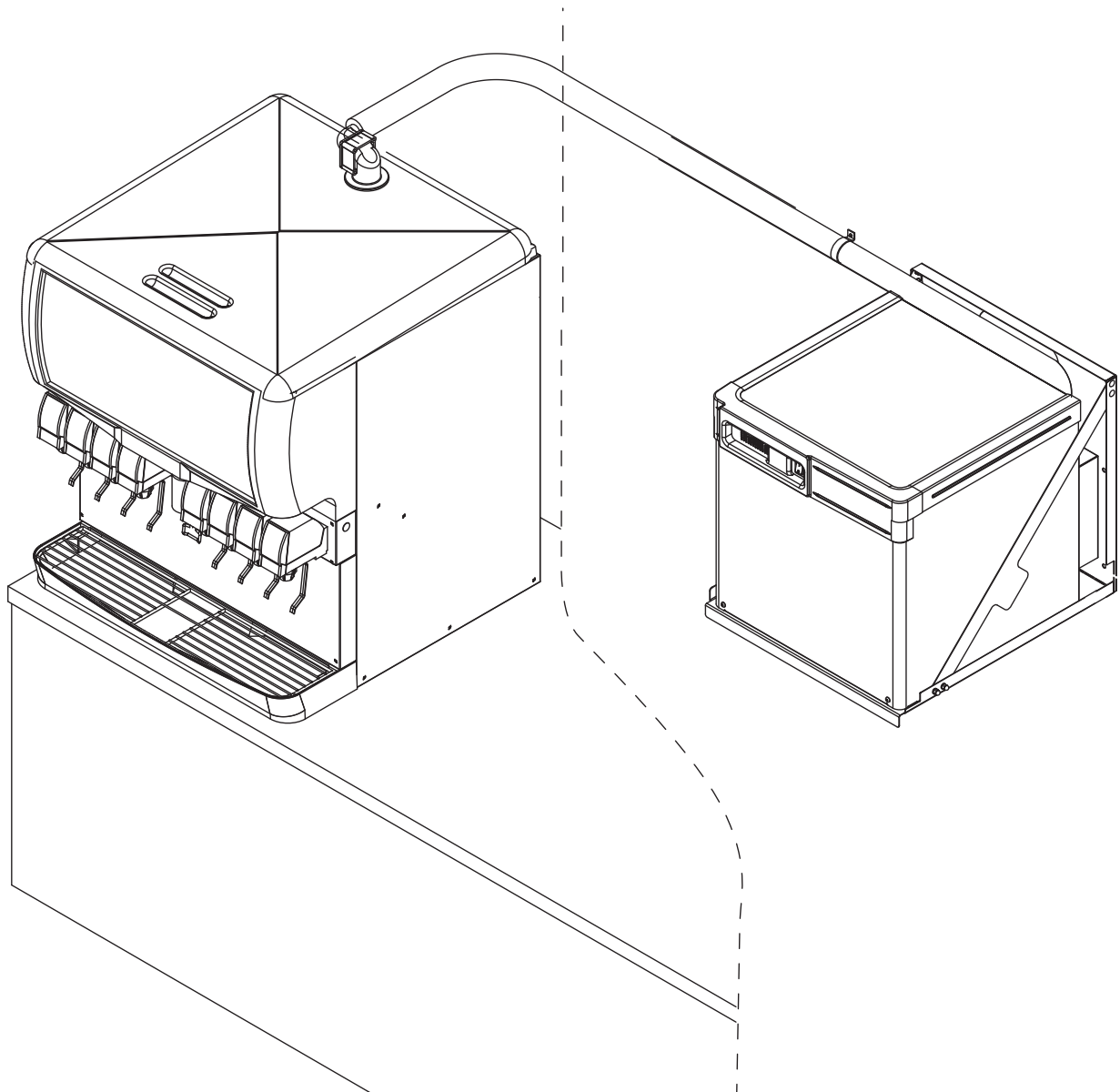
Horizon Elite™ Ice Machine Models with RIDE® Technology Installation Instructions for Ice and Beverage Dispenser Applications

D1010R, D1410R, D1412R, D1810R, D2110R



remote condensing

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.

Read and complete the following 8 installation steps


1 **Unpack** _____



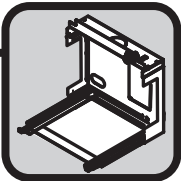
2 **Site preparation** _____




3 **Dispenser preparation** _____




4 **Docking assembly** _____



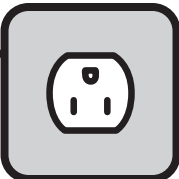
5 **Ice transport tube** _____



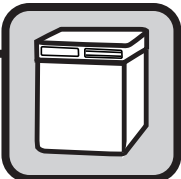
6 **External connection** _____



7 **Internal connection** _____



8 **Front cover** _____



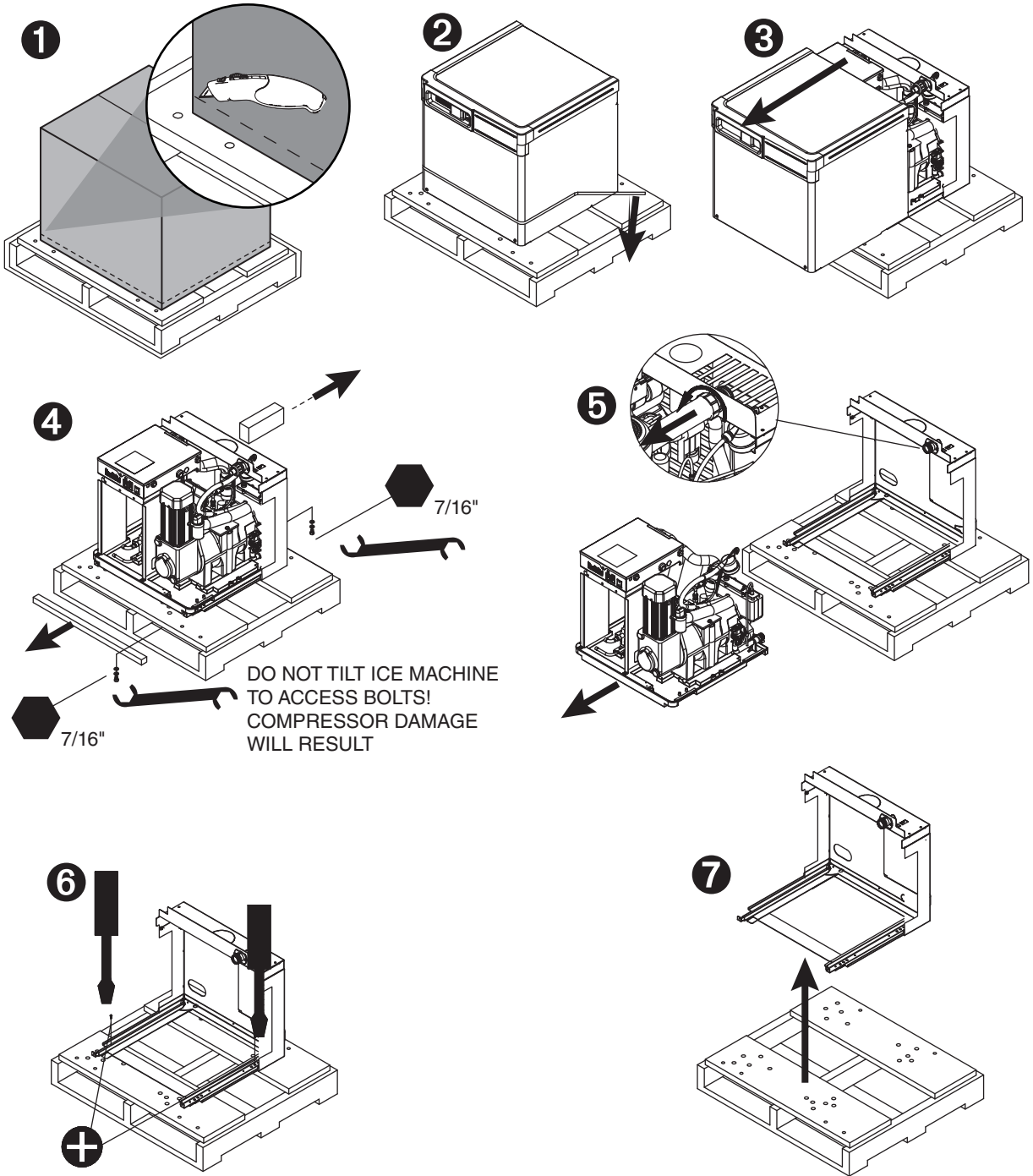
Carefully unpack and inspect the contents of your Follett ice machine.

Unpack

1

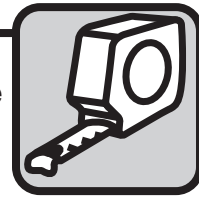


1.1 Unpack carton #1

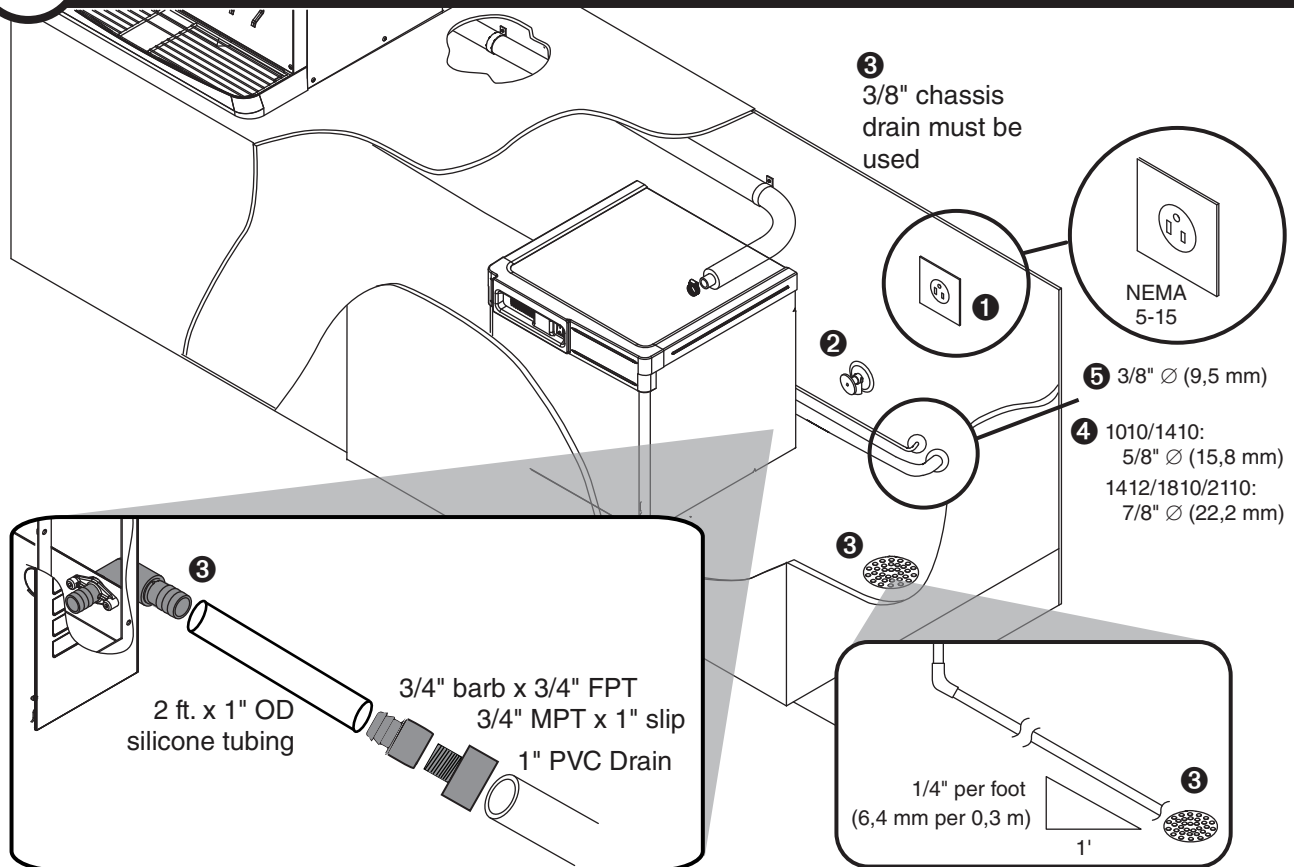


Prepare the installation site.

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



2.1 Installation site requirements



Electrical ①

- 120 V/60 Hz/1–5 amps

Potable water supply ② (3/8" push-in connection, 3/8" OD tubing required)

- 10–70 psi (69–483 kpa)
- 45–90 F (7–32 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. Drain line from the ice machine must have at least 1/4" per foot pitch (6,4 mm/0,3 m).

Refrigeration lines ④ and ⑤

- 1010/1410: 5/8" Ø (15,8 mm) diameter suction line (insulated) ④
- 1412/1810/2110: 7/8" Ø (22,2 mm) diameter suction line (insulated) ④
- 3/8" Ø (9,5 mm) liquid line ⑤

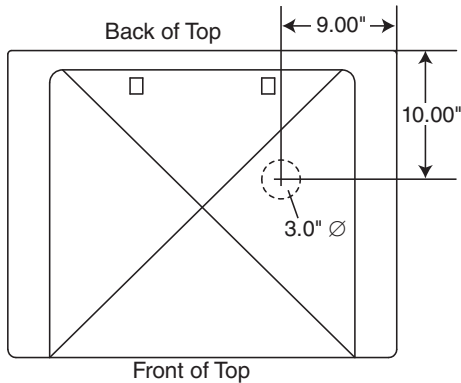
Prepare the dispenser.



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.

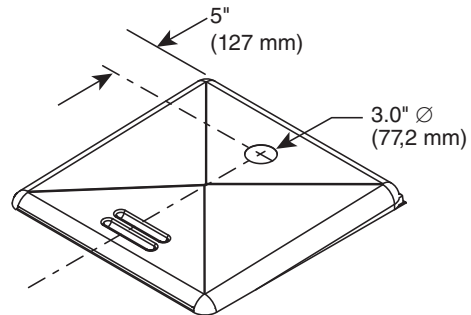
3.1 Hole location - Ice and Beverage Dispenser (Lancer, Cornelius or Servend)

30" Lancer Sensation and Touchpoint



Locate hole position 10" (254 mm) from back and 9" (229 mm) from right of dispenser top

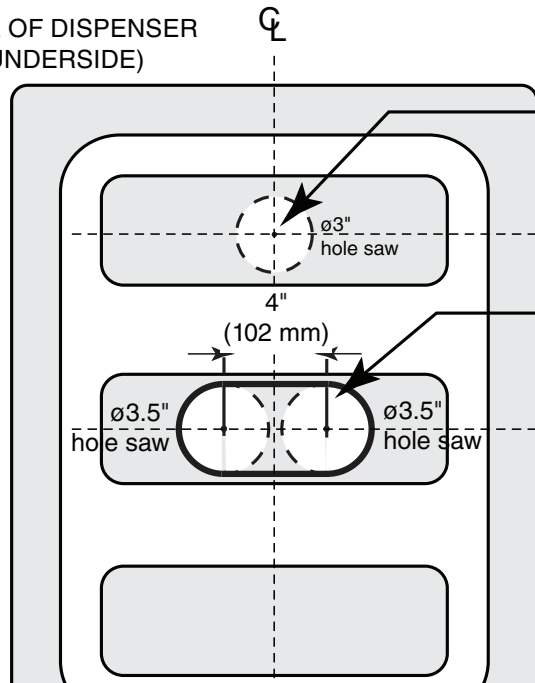
Standard (Cornelius, Lancer, or Servend), 44" Lancer Sensation, and Pepsi Spire 4.1



Locate hole position 5" (127 mm) from back of dispenser top

Freestyle 9000

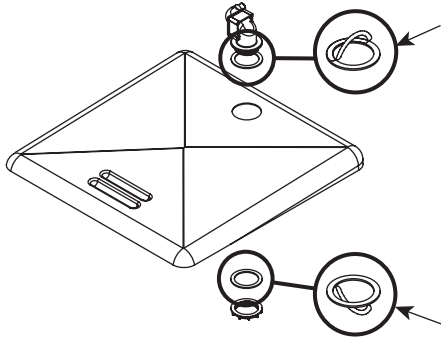
REAR OF DISPENSER LID (UNDERSIDE)



- 1** $\varnothing 3"$ hole location if using Horizon Ice Machine with RIDE technology
- 2** $\varnothing 3.5"$ hole location if using Ice Manager Diverter Valve System Sensor Distribution Unit

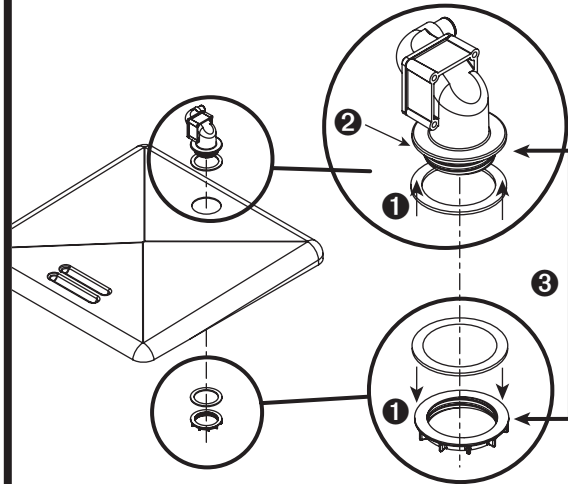
All others: If your dispenser is not listed or you need help with your installation, please call our technical service group at (877) 612-5086 or +1 (610) 252-7301.

3.2 Top preparation



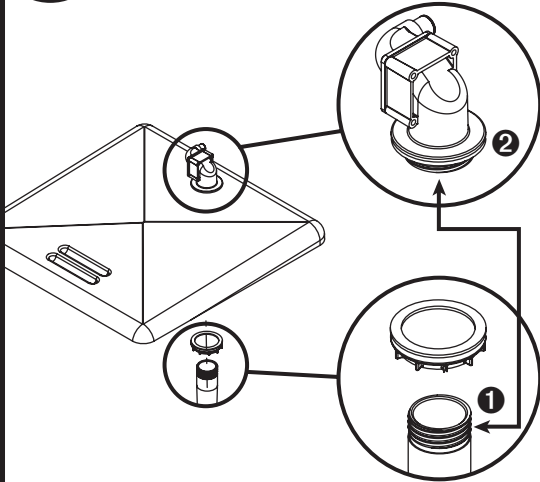
- Remove protective tape from gaskets

3.3 Top preparation



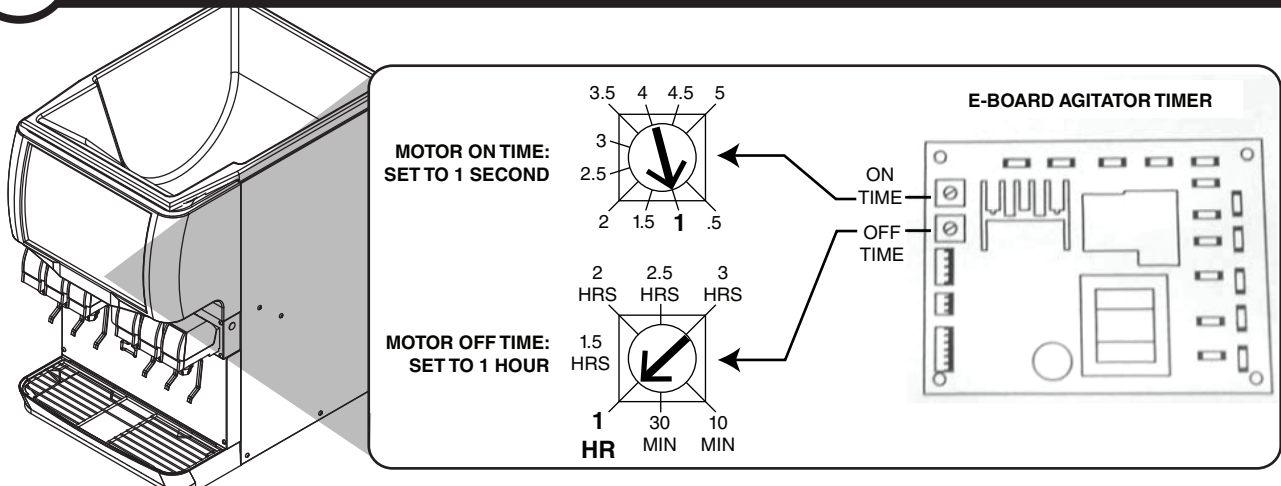
- Apply gaskets ①
- Install shuttle actuator ② through dispenser top and secure with locking nut ③

3.4 Top preparation



- Screw 4" (102 mm) extension ① into bottom of shuttle actuator ②

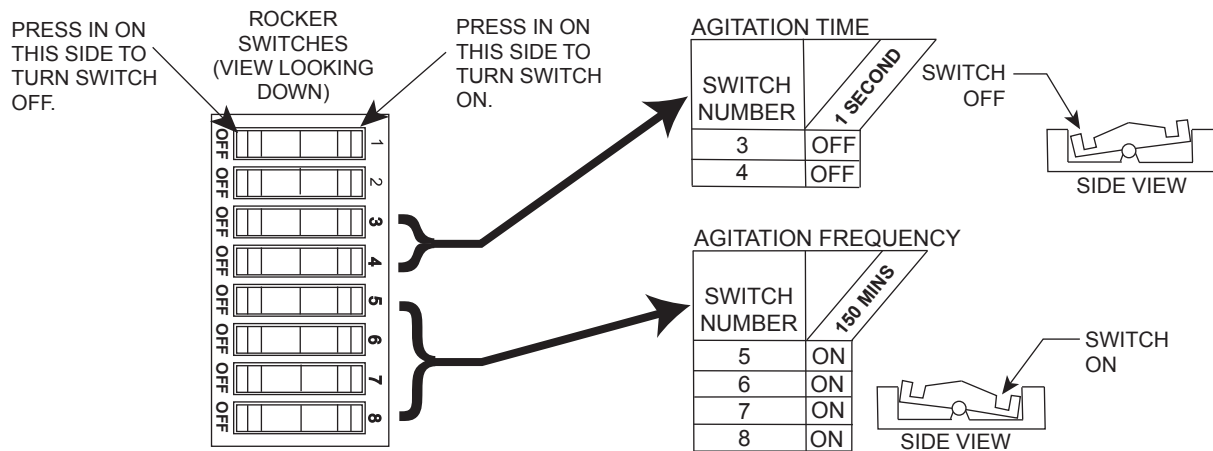
3.5 Agitation adjustments – CORNELIUS



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 or call Cornelius Technical Service at 1-800-238-3600 for more information.

3.6 Agitation adjustments – LANCER 4500 SERIES



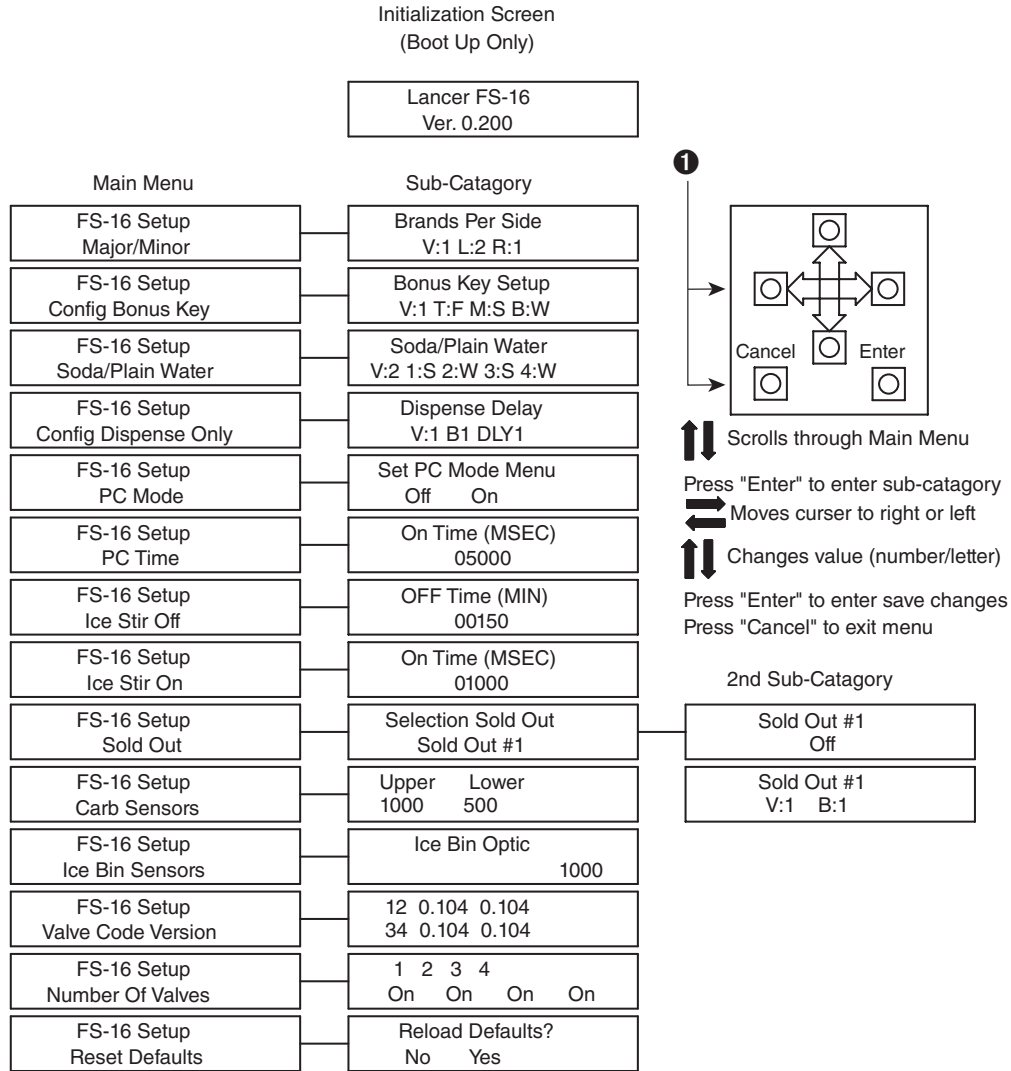
Lancer 4500 series only

Adjust the agitation time to 1 second, and the agitation frequency to 150 minutes. See Lancer manual or call Lancer Customer Service at 1-888-846-6729 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 "off time" and 1010 milliseconds (1 second of time) as the preferred setting

Note: See Lancer manual or call Lancer Customer Service at 1-888-846-6729 for more information.

3.9 Agitation adjustments – SERVEND

Servend models only

No agitation adjustment required

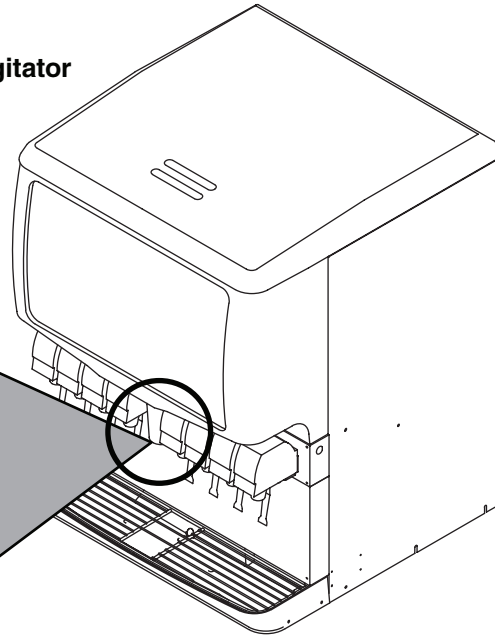
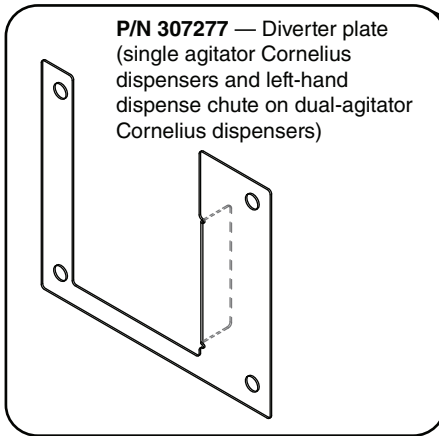
3.10 Agitation adjustments – Coke Freestyle 9000

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

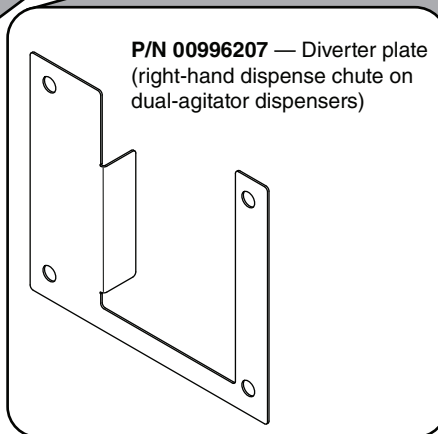
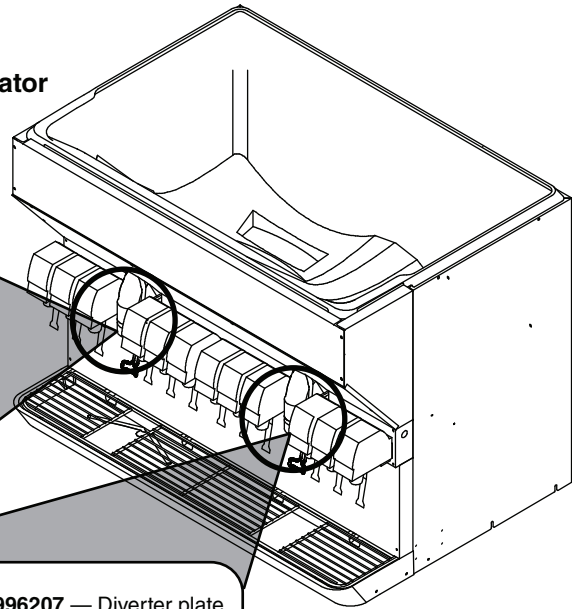
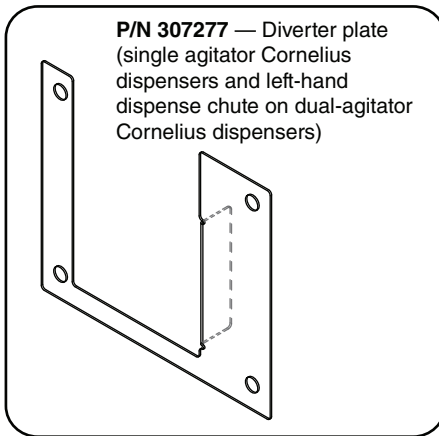
3.10

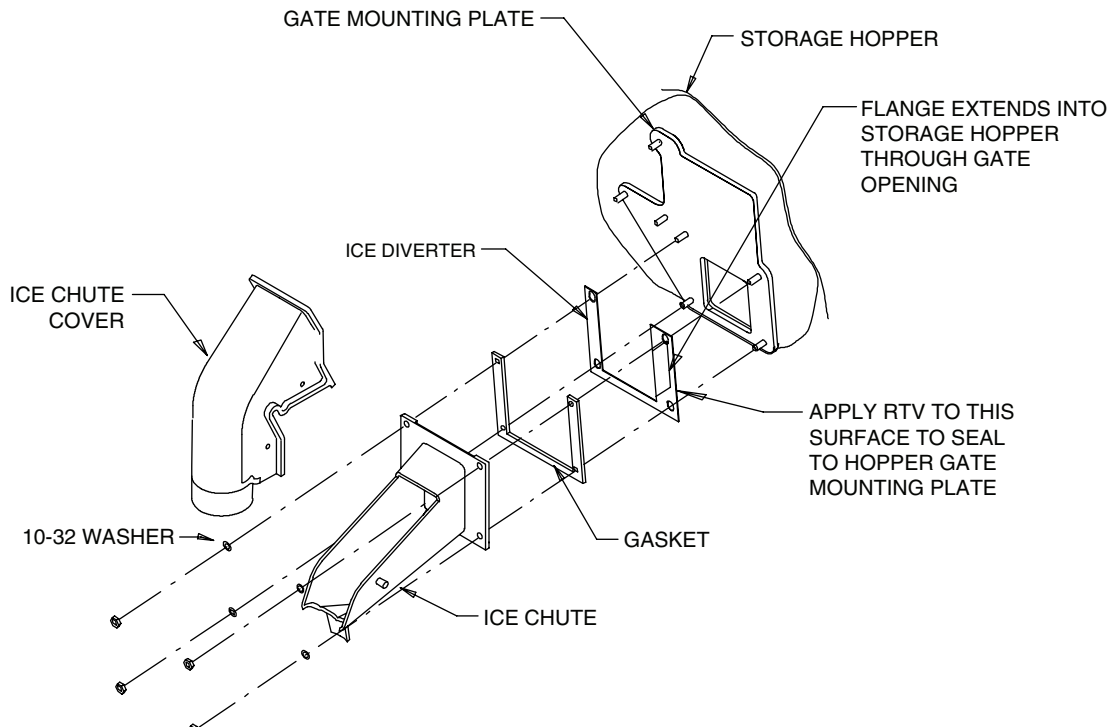
Dispenser diverter plate overview – CORNELIUS ED, DF and DB SERIES
(Installation on next page)

Single Agitator



Dual Agitator



3.11**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)

3.12**Agitation adjustments – Cornelius IDC and Flavor Fusion**

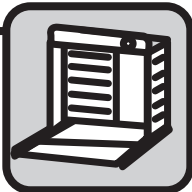
These dispensers require modifications for compatibility with Chewlet ice. Agitation times must be set to 1 second ON, 1 hour OFF and the ice restrictor plate must be adjusted to the fully open position. See your beverage supplier for these modifications.

Install the docking assembly.

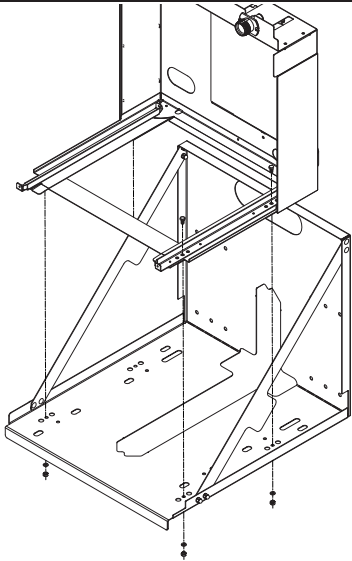


BEFORE PROCEEDING

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.

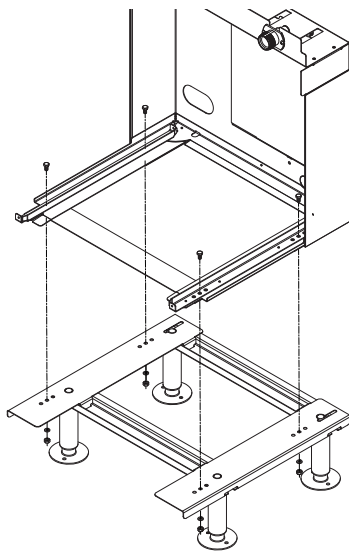


Wall bracket accessory



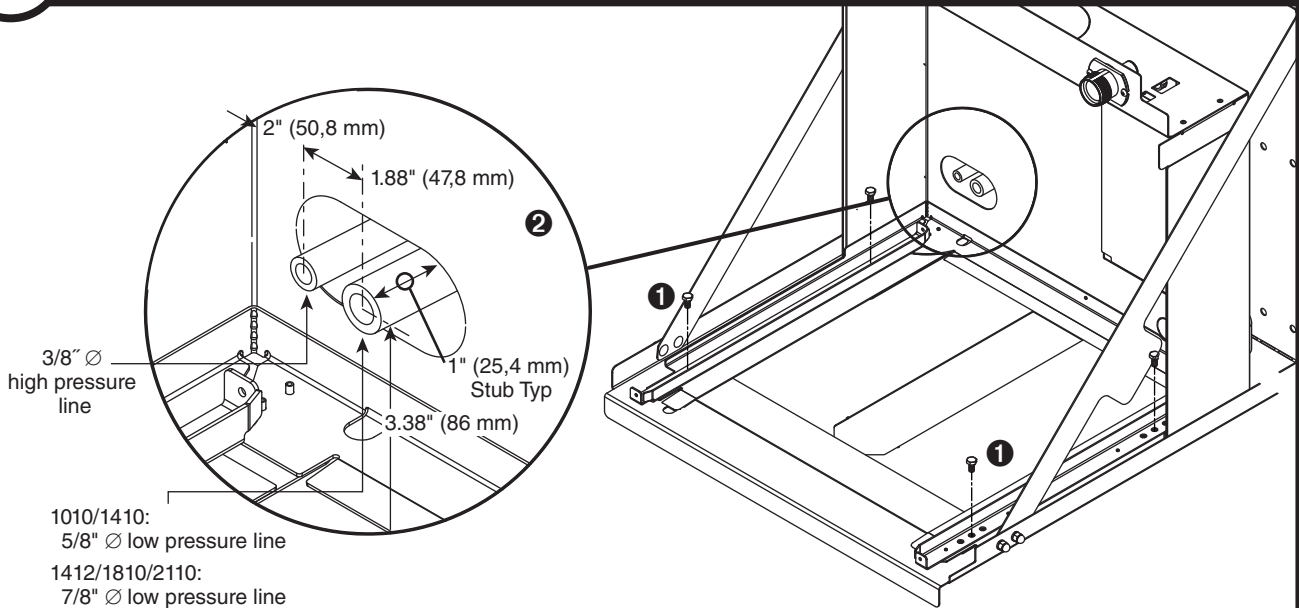
- Mount docking assembly to wall bracket accessory

Machine stand accessory



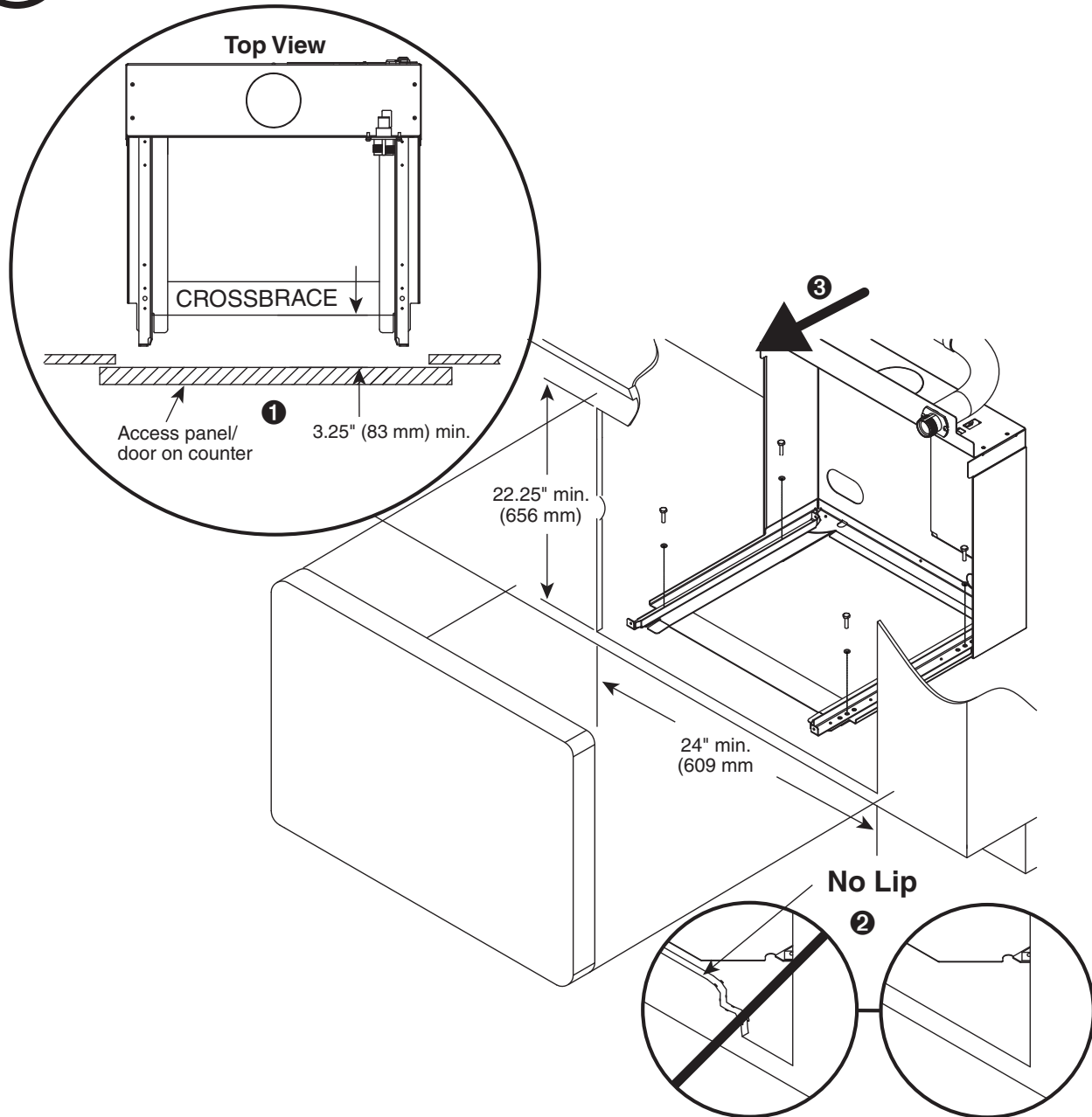
- Mount docking assembly to machine stand accessory

4.1 Docking assembly



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

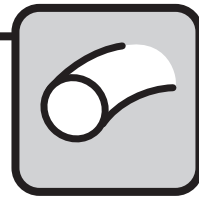
4.2 Undercounter installation requirements



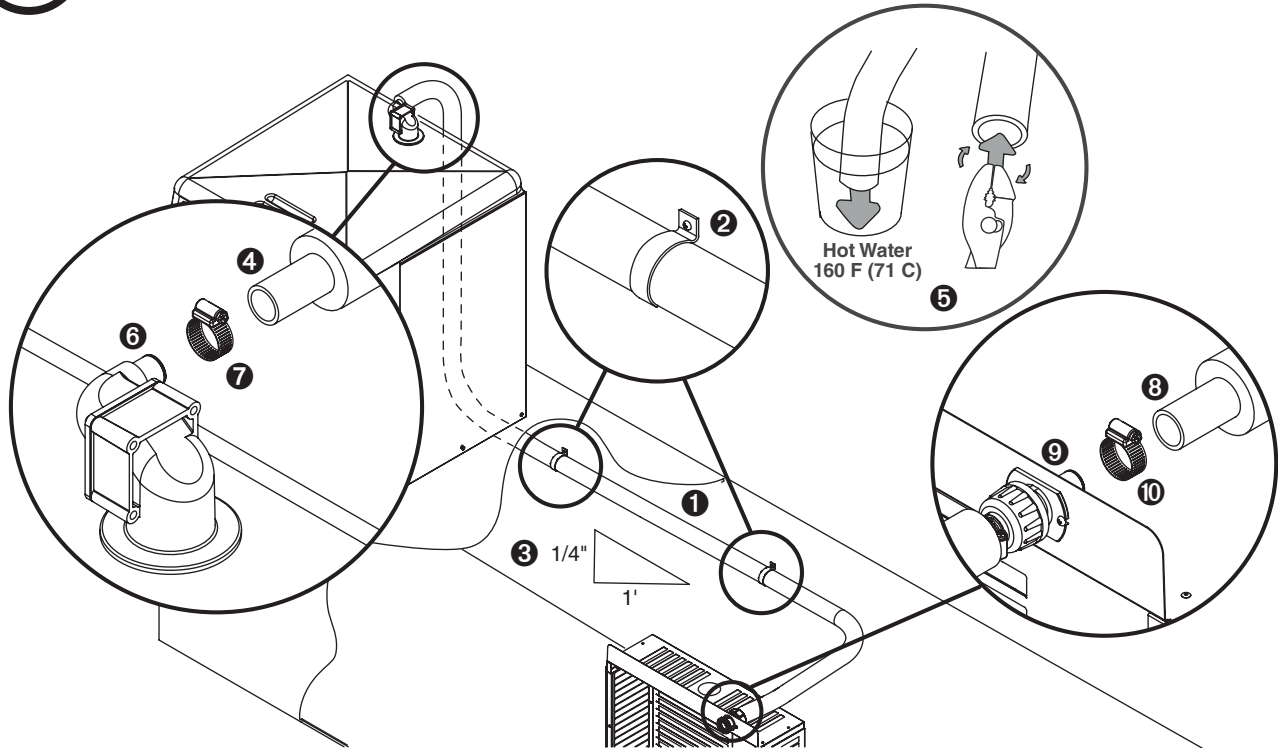
DOCKING STATION

- 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.
- Position and screw docking assembly to the bottom of counter inside of access panel/door min. of 3.25" (83 mm) from the front edge of the cross brace ①
- The mounting surface for the docking assembly must be solid. Do not mount directly onto runners or channels.
- There must be no lip or edge that would hinder the ice machine from sliding in or out of the docking station ②
- Ice machine must be installed facing forward as shown for service accessibility ③

Install the transport tube.



5.1 Transport tube installation.



Ice transport tube tips

- Insulate entire length of ice transport tube ❶
- Secure ice transport tube ❷ 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) ❸
- Ice transport tube must drain towards ice machine

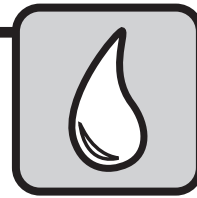
Ice transport tube to dispenser

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

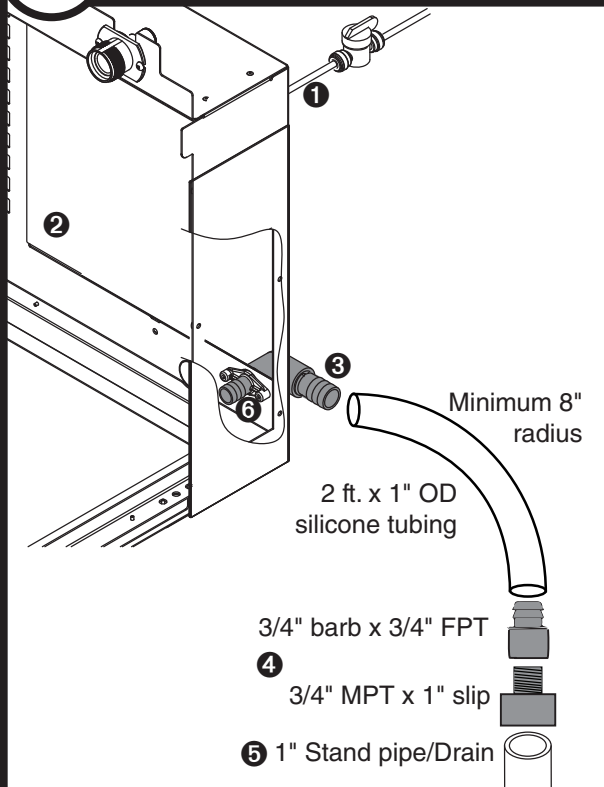
Ice transport tube to Ice machine

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

Connect utilities to docking assembly.

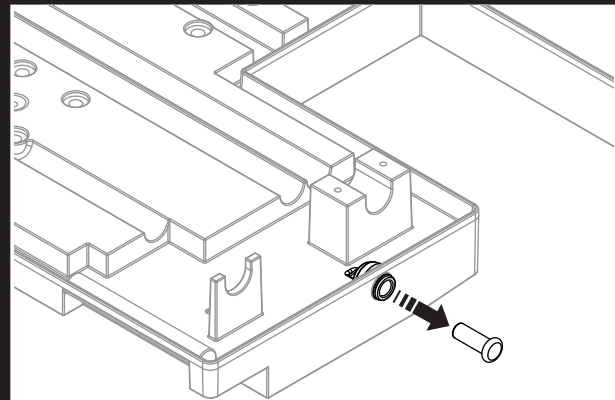


6.1 Water and flush drain



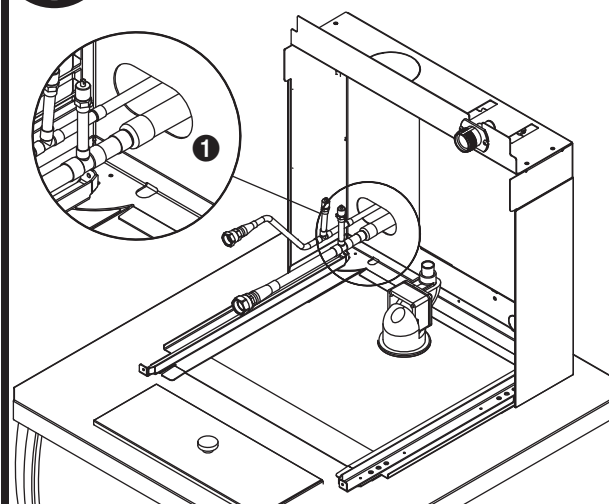
- Rough-in ice machine potable water supply **1**. 3/8" push-in connection will be made at included shut-off valve then at back of docking station into solenoid.
 - Remove access panel if necessary **2**.
 - Connect the silicone tubing to the ice machine 3/4" drain barb **3**.
 - It is recommended that the silicone hose be routed down into a 1.5" or 2" standpipe/drain. The minimum drain size for the ice machine is 1" **4**.
- Note: 3/4" to 1" PVC adapter fittings are provided if a larger drain size is not possible.
- If using the fittings, 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).
- Apply Petrol-gel to barbed drain fitting **6**
 - Replace access panel.

Chassis drain plumbing - required



- Plug must be removed from John Guest fitting.
- 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.

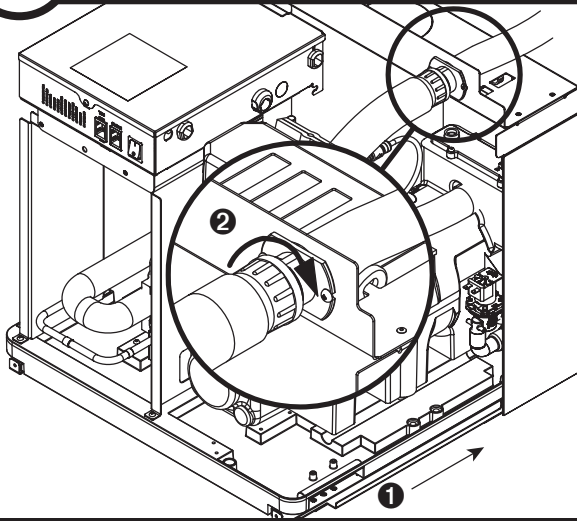
6.2 Refrigerant lines



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

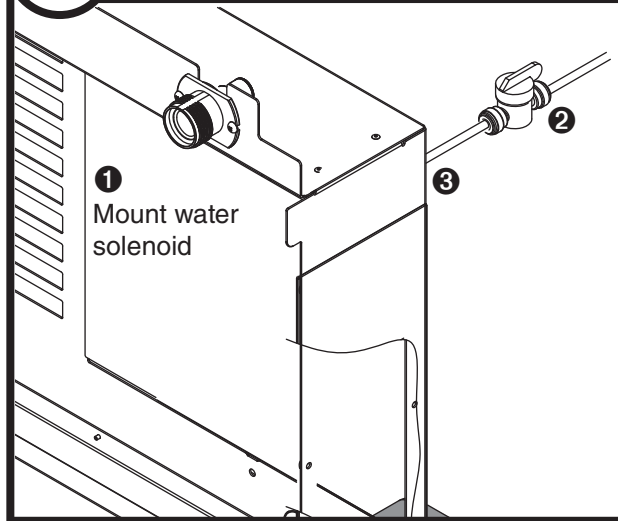


7.1 Ice transport tube installation



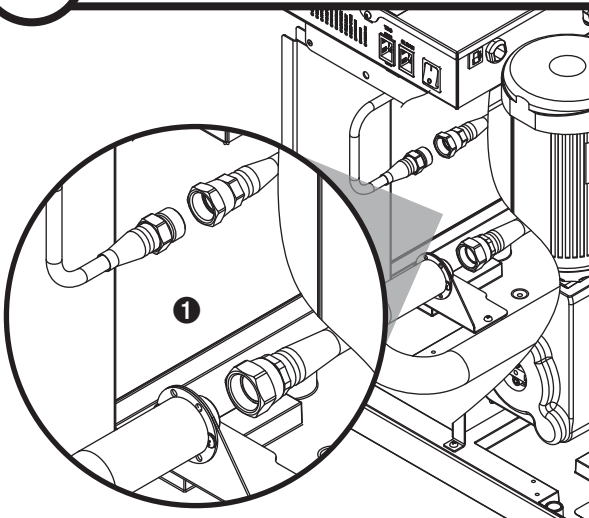
- Slide ice machine into docking assembly ensuring that drain tube is fully seated on barbed drain fitting **1**
- Insert ice transport tube all the way into coupling and tighten nut firmly **2**

7.2 Water line



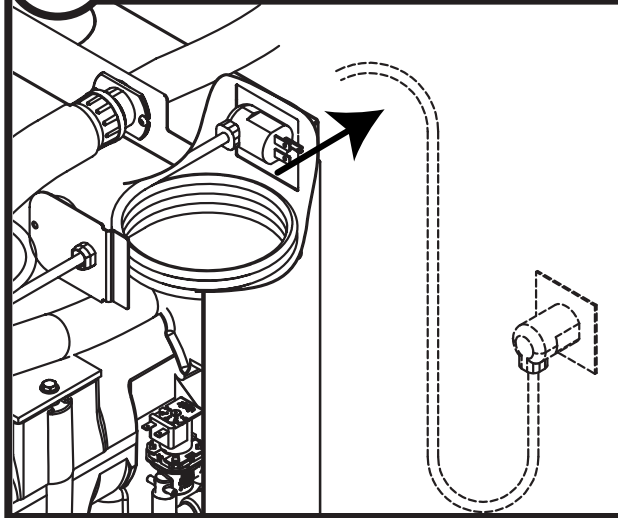
- Mount water solenoid to inside rear of docking assembly using one screw **1**
- Insert potable water line into valve **2**
- Insert into push-in connection of water solenoid **3**

7.3 Refrigeration lines



- Evacuate line set.
- Connect self-sealing liquid and suction line fittings **1**

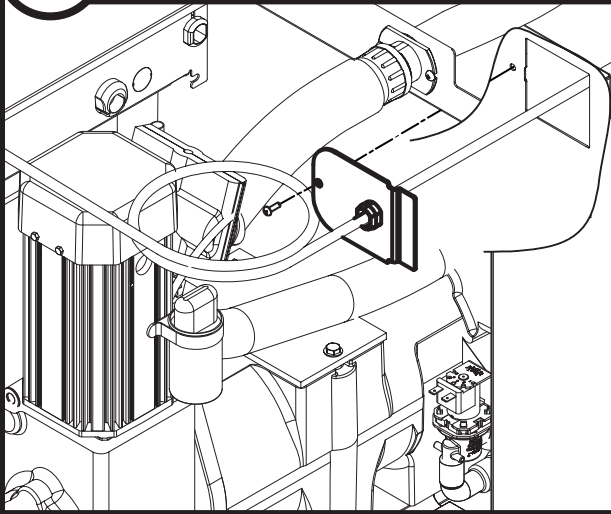
7.4 Power cord



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

7.5

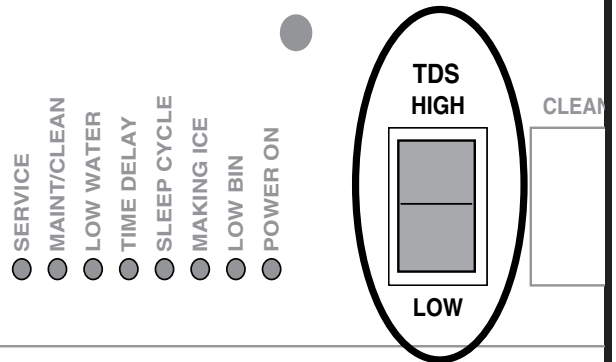
Power cord



- Position plate into opening and secure with supplied screw

7.6

TDS switch



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

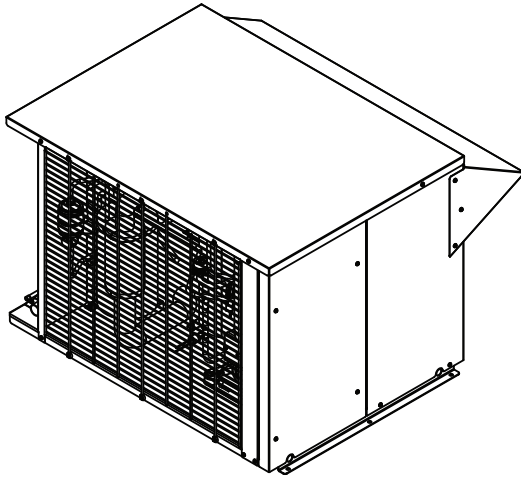
Install front cover to ice machine.

Front cover

8

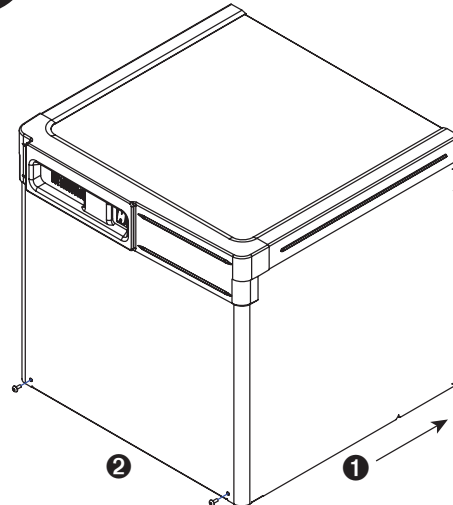


8.1 Install condensing unit



- 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)
 - 1410CU: 10,000 Btu/hr (2519 kcal/hr)
 - 1412CU: not rack compatible
 - 1810CU: 15,700 Btu/hr (3956 kcal/hr)
 - 2110CU: 18,200 Btu/hr (4586 kcal/hr).

8.2 Install ice machine front cover



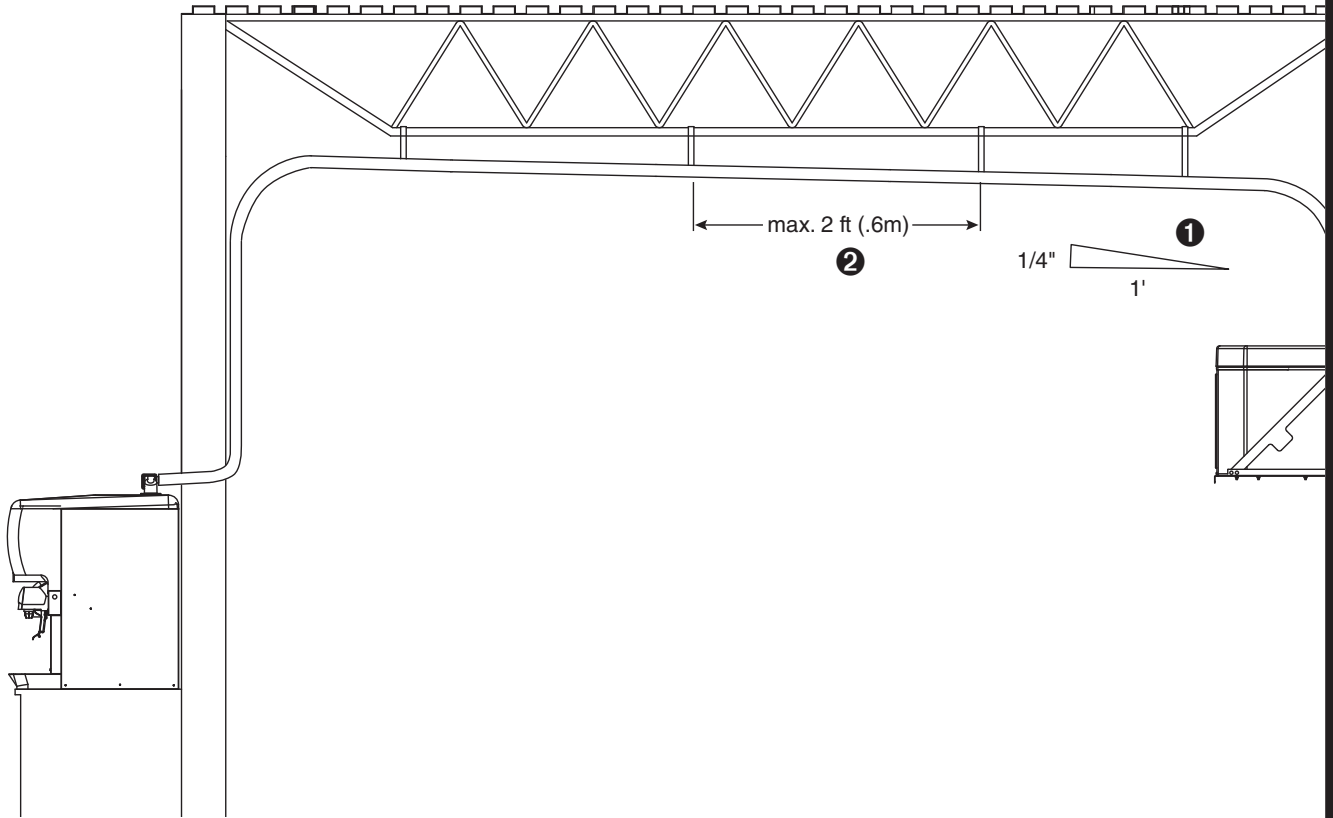
- Slide ice machine cover over machine ①
- Insert and tighten two screws through cover and into docking assembly ②

NOTICE

Ice machine **MUST** be sanitized prior to operation!

Consult Operation and Service Manual provided with ice machine for sanitizing instructions.

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

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