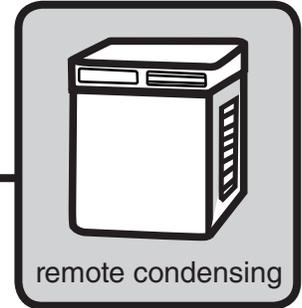


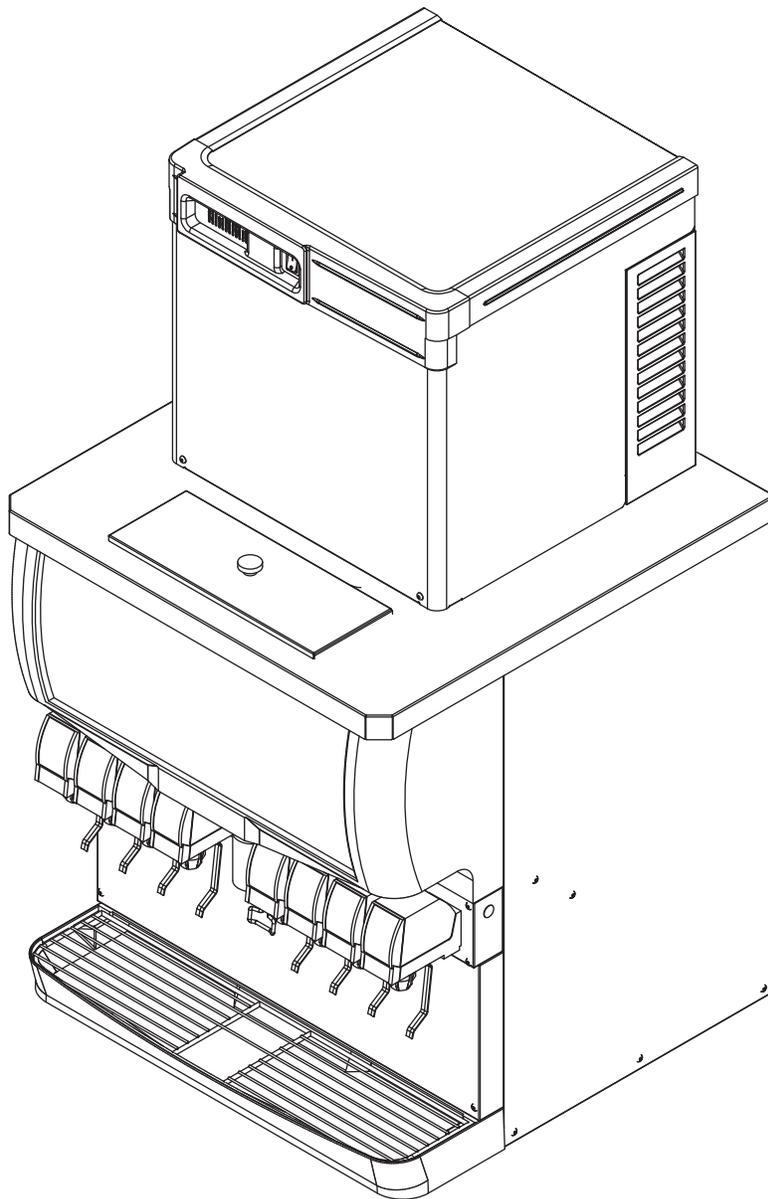
Horizon Elite™ Ice Machine Installation Instructions for Harmony™ Top-mount Applications

HCD/HMD/HCF/HMF1010RHT, HCD/HMD/HCF/HMF1410RHT,
HCD/HMD1010NHT, HCD/HMD1410NHT
(See model number configurator on page 2 for details.)

Order parts online
www.follettice.com



**Horizon top-mount ice machines
fit most countertop dispensers manufactured by
Cornelius • Lancer • SerVend**



Chewblet® Ice Machine Model Number Configurations

HC
C
1400
A
V
S

| Icemaker | Voltage | Series | Condenser | Application | Configuration |
|--|---|--|--|---|---|
| MC Maestro™ Chewblet® (400 Series) | C 208-230/60/1 (icemaking head) <i>Self-contained only.</i> | 400 up to 454 lbs (206kg) | A Air-cooled, self-contained W Water-cooled, self-contained | V Vision™ H Harmony™ | S RIDE™ (RIDE remote ice delivery equipment) |
| HC Horizon Chewblet (1000, 1400, 1650 Series) | D 115/60/1 (icemaking head) <i>Self-contained and remote. If remote unit, high side is 208-230/60/1.</i> | 1000/1010 up to 1036 lbs (471kg) | R Air-cooled, remote condensing unit N Air-cooled, no condensing unit for connection to parallel rack system | B Ice storage bin J Drop-in M Ice Manager diverter valve system | T Top-mount |
| HM Horizon Micro Chewblet | E 230/50/1 (icemaking head) <i>Self-contained only.</i> F 115/60/1 (icemaking head) <i>Remote only. High side is 208-230/60/3.</i> | 1400/1410 up to 1450 lbs (658kg) 1650 up to 1580 lbs (717kg) | | | |

Read and complete the following 8 installation steps

1 **Unpack** _____



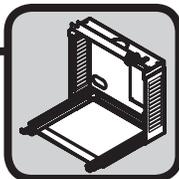
2 **Site preparation** _____



3 **Dispenser preparation** _____



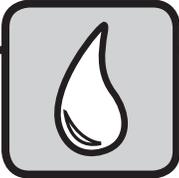
4 **Louvered docking assembly** _____



5 **Ice transport tube** _____



6 **External connection** _____



7 **Internal connection** _____



8 **Front cover** _____



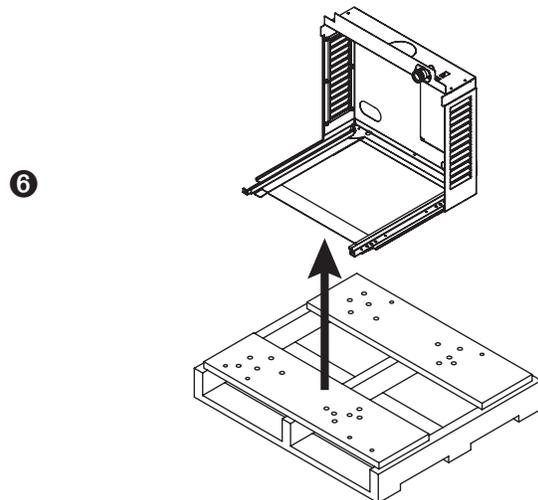
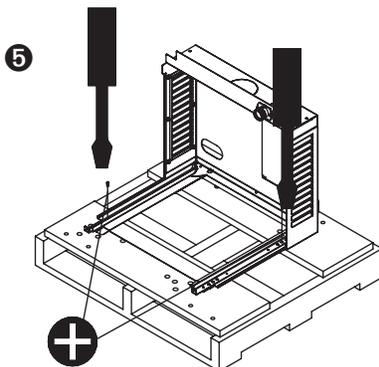
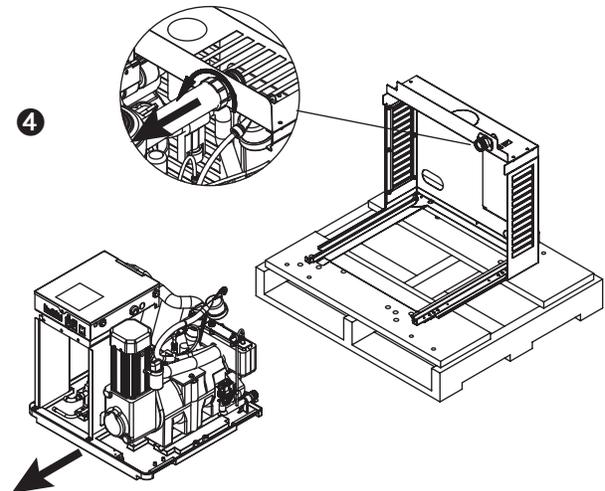
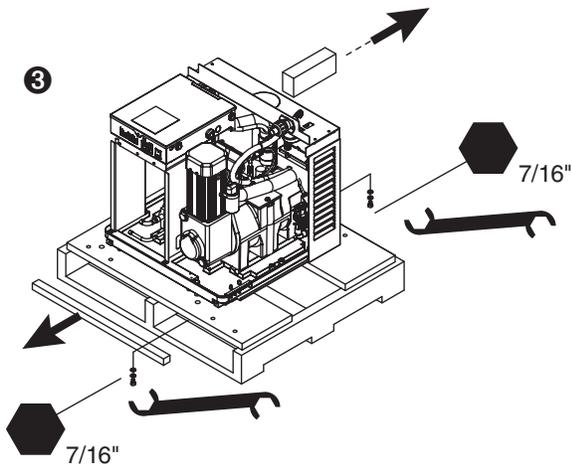
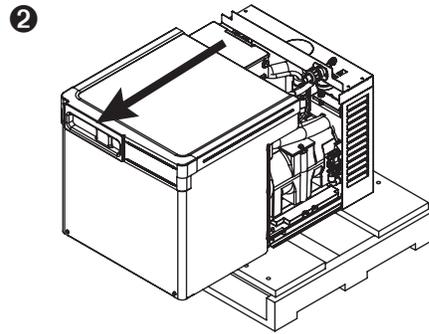
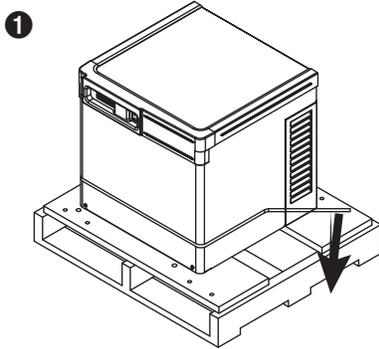
Carefully unpack and inspect the contents of your Follett ice machine.

Unpack

1



1.1 Unpack ice machine

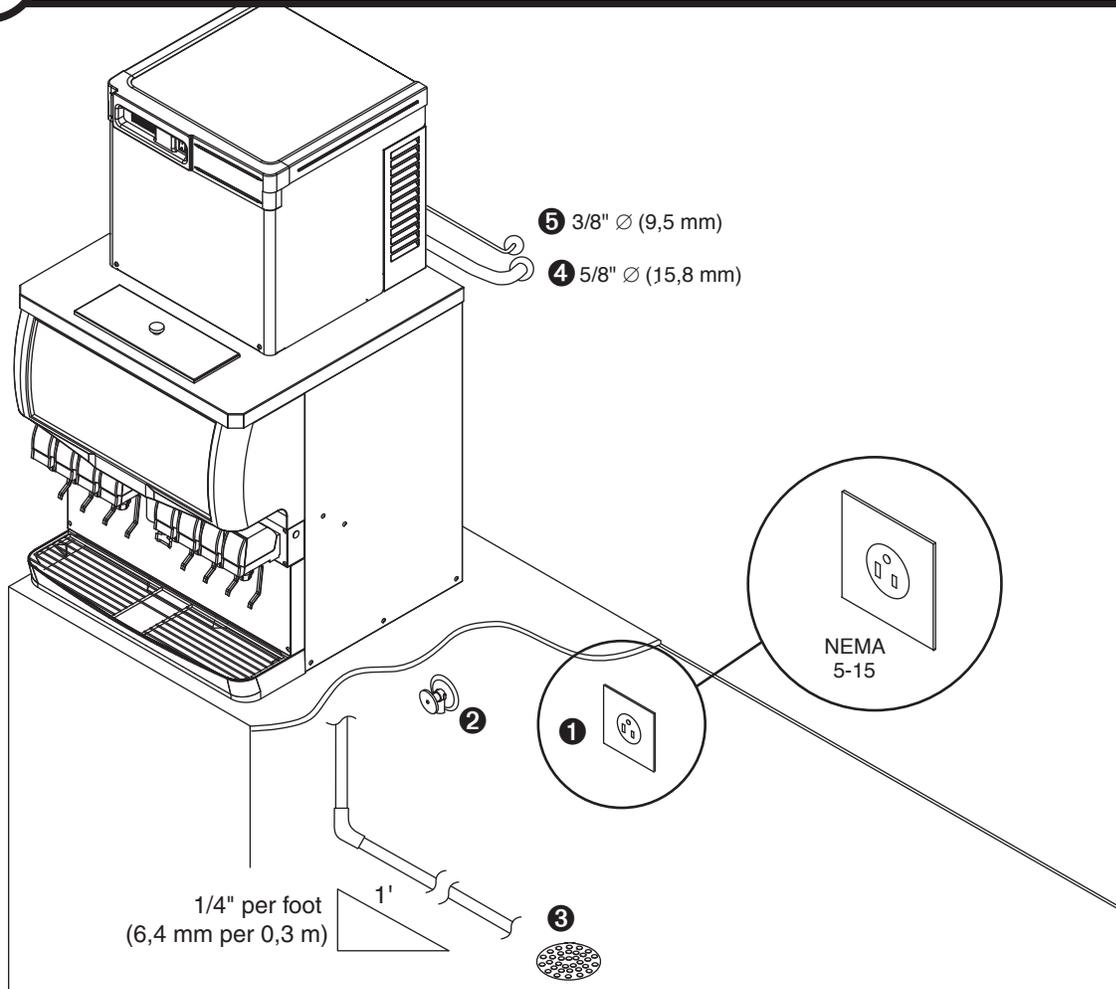


Prepare the installation site.

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

- 120/60/1-5 amps

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

- 10-70 psi (69-483kpa)
- 45-90 F (7-32 C)
- Follett recommends the use of an in-line water filtration system (item# 00130286)
- This equipment is to be installed with adequate backflow protection to comply with applicable federal, state, and local codes

Drain ③ (3/4" MPT)

- The drain line from the ice machine must have at least 1/4" per foot pitch (6,4 mm/0,3 m)

Refrigeration lines ④

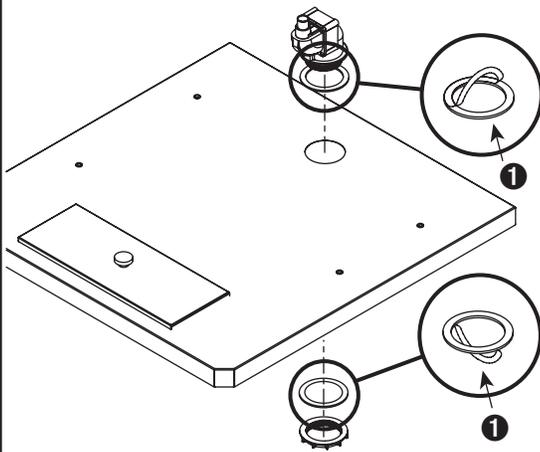
- 5/8" Ø (15,8 mm) diameter suction line (insulated) ④
- 3/8" Ø (9,5 mm) liquid line ⑤

Prepare the dispenser.

Note: The instructions below only apply to 22" & 30" wide dispensers.
44" wide dispenser instructions may be found with the top kit.



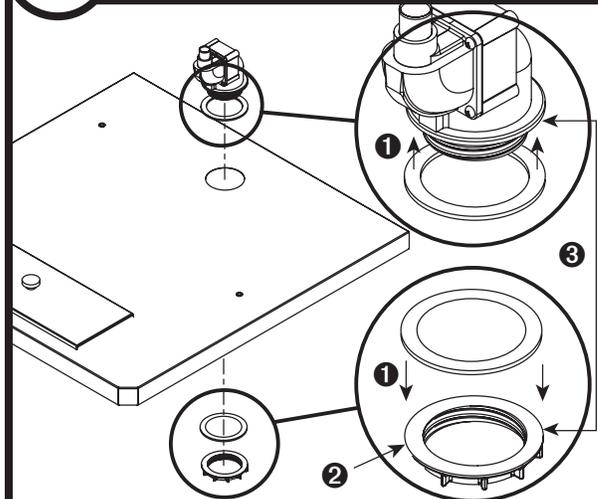
3.1 Top preparation – ALL



All models

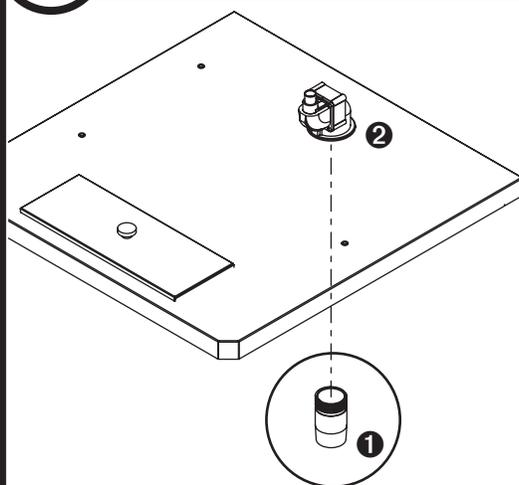
- Remove protective tape from gaskets ①

3.2 Top preparation – ALL



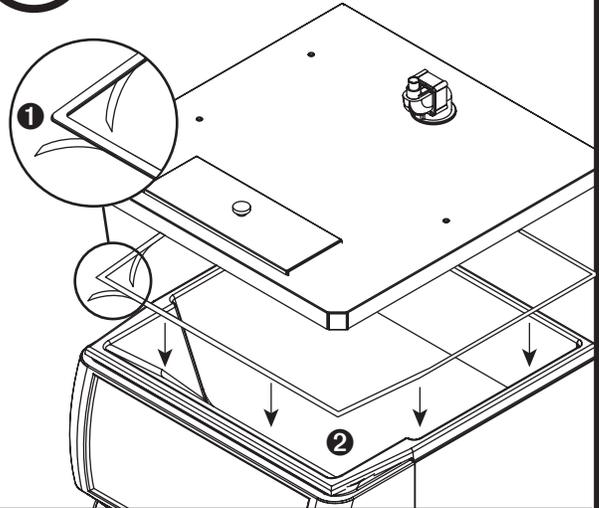
- Apply gaskets ①
- Install shuttle actuator ② through bottom of dispenser top and secure with locking nut ③

3.3 Top preparation – ALL



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

3.4 Top preparation – CORNELIUS



Cornelius models only

- Remove protective tape ①
- Apply gasket ②

3.5 Top preparation – LANCER

Lancer models only

- Remove protective tape ①
- Apply gaskets ②

3.6 Agitation adjust. – 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.

3.7 Agitation adjustments – LANCER 4500 SERIES

PRESS IN ON THIS SIDE TO TURN SWITCH OFF.

ROCKER SWITCHES (VIEW LOOKING DOWN)

PRESS IN ON THIS SIDE TO TURN SWITCH ON.

| SWITCH NUMBER | AGITATION TIME | | | |
|---------------|----------------|-----------|-----------|-----------|
| | 1 SECOND | 2 SECONDS | 3 SECONDS | 4 SECONDS |
| 3 | O | O | X | X |
| 4 | O | X | O | X |

X = ON
O = OFF

| SWITCH NUMBER | AGITATION FREQUENCY | | | | | | | | | | | | | | | |
|---------------|---------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | NO AGITATION | 10 MINUTES | 20 MINUTES | 30 MINUTES | 40 MINUTES | 50 MINUTES | 60 MINUTES | 70 MINUTES | 80 MINUTES | 90 MINUTES | 100 MINUTES | 110 MINUTES | 120 MINUTES | 130 MINUTES | 140 MINUTES | 150 MINUTES |
| 5 | O | O | O | O | O | O | O | O | X | X | X | X | X | X | X | X |
| 6 | O | O | O | O | X | X | X | X | O | O | O | O | X | X | X | X |
| 7 | O | O | X | X | O | O | X | X | O | X | X | O | O | X | X | X |
| 8 | O | X | O | X | O | X | O | X | O | X | O | X | O | X | O | X |

Lancer 4500 series only

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

3.8 Agitation adjustments – LANCER Sensation and Touchpoint

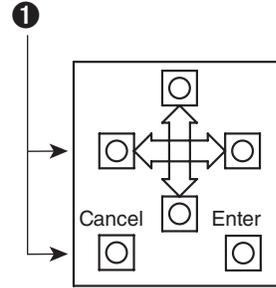
No agitation adjustment required

3.9 Agitation adjustments – LANCER FS SERIES

Initialization Screen
(Boot Up Only)

Lancer FS-16
Ver. 0.200

| Main Menu | Sub-Category |
|----------------------------------|---|
| FS-16 Setup Major/Minor | Brands Per Side V:1 L:2 R:1 |
| FS-16 Setup Config Bonus Key | Bonus Key Setup V:1 T:F M:S B:W |
| FS-16 Setup Soda/Plain Water | Soda/Plain Water V:2 1:S 2:W 3:S 4:W |
| FS-16 Setup Config Dispense Only | Dispense Delay V:1 B1 DLY1 |
| FS-16 Setup PC Mode | Set PC Mode Menu Off On |
| FS-16 Setup PC Time | On Time (MSEC) 05000 |
| FS-16 Setup Ice Stir Off | OFF Time (MIN) 00150 |
| FS-16 Setup Ice Stir On | On Time (MSEC) 01000 |
| FS-16 Setup Sold Out | Selection Sold Out Sold Out #1 |
| FS-16 Setup Carb Sensors | Upper Lower 1000 500 |
| FS-16 Setup Ice Bin Sensors | Ice Bin Optic 1000 |
| FS-16 Setup Valve Code Version | 12 0.104 0.104 34 0.104 0.104 |
| FS-16 Setup Number Of Valves | 1 2 3 4 On On On On |
| FS-16 Setup Reset Defaults | Reload Defaults? No Yes |



- ↑↓ Scrolls through Main Menu
- Press "Enter" to enter sub-category
- ←→ Moves cursor to right or left
- ↑↓ Changes value (number/letter)
- Press "Enter" to enter save changes
- Press "Cancel" to exit menu

2nd Sub-Category

| |
|------------------------|
| Sold Out #1 Off |
| Sold Out #1 V:1 B:1 |

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 1010 milliseconds (1 second of time) as the preferred setting

Note: See Lancer manual for more information.

3.10 Agitation adjustments – SERVEND

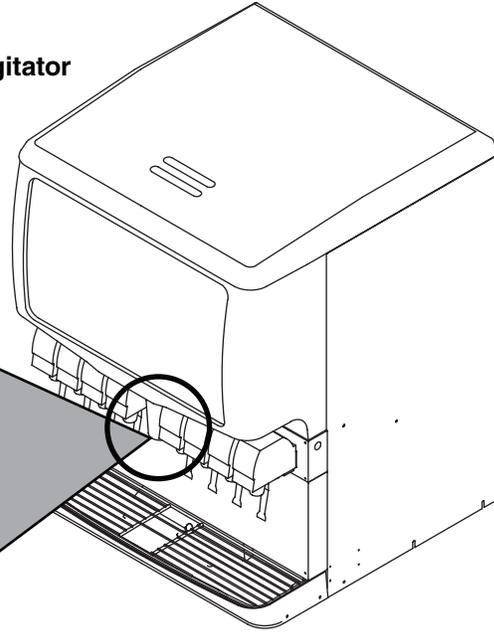
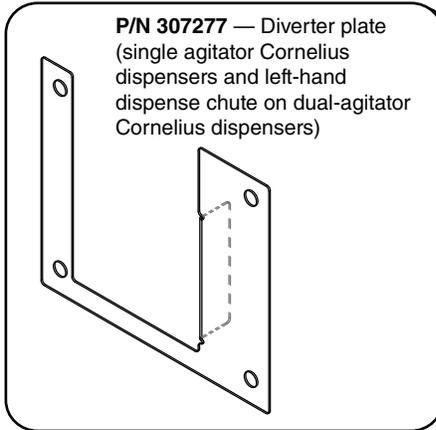
SerVend models only

No agitation adjustment required.

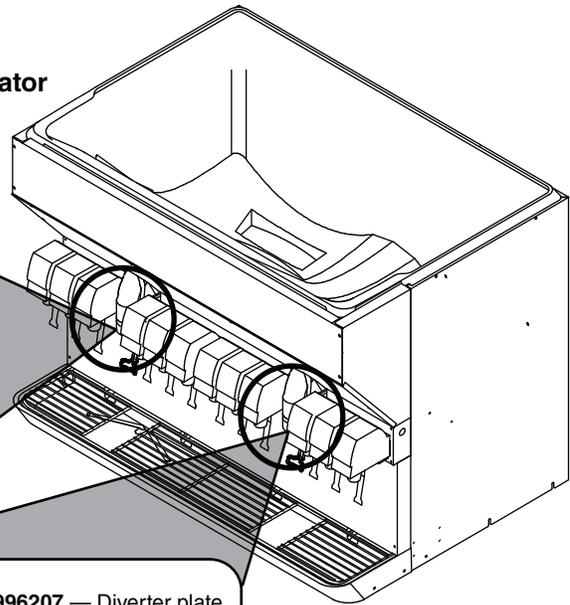
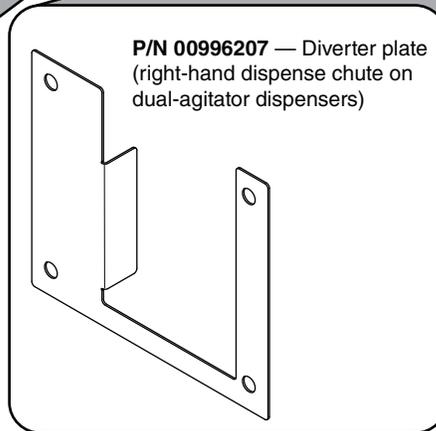
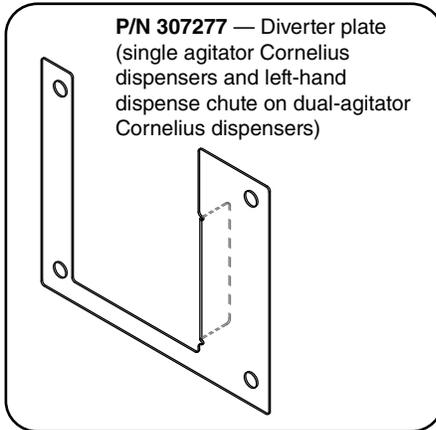
3.11

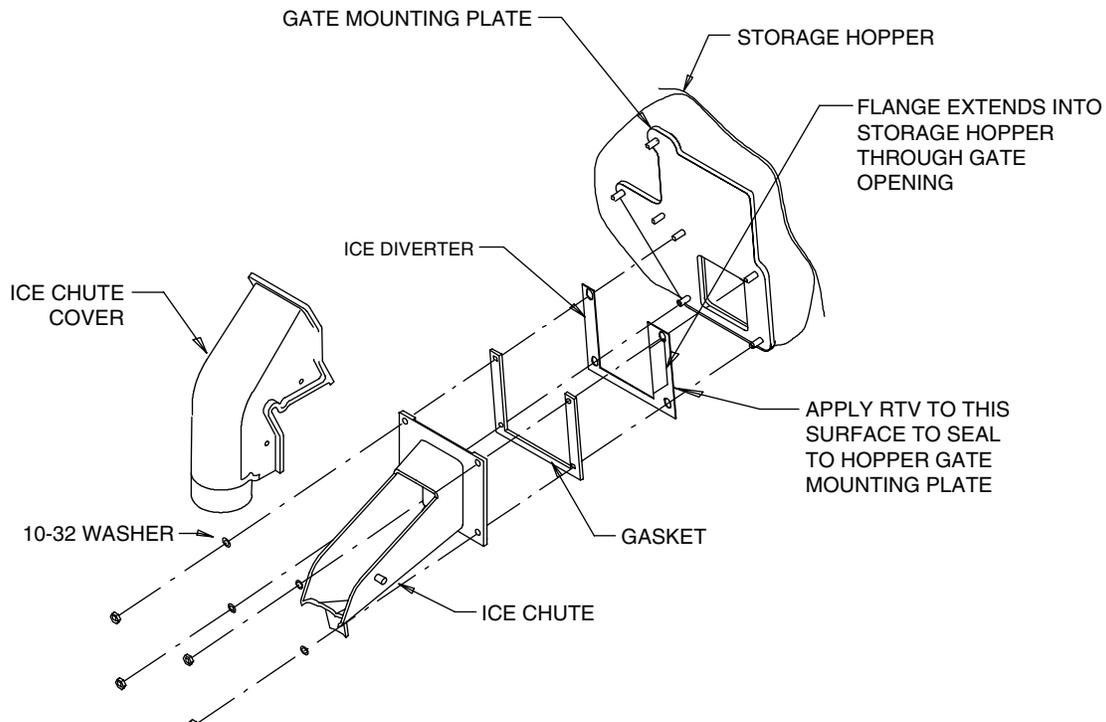
Dispenser diverter plate overview (Installation on next page)

Single Agitator



Dual Agitator



3.12**Dispenser diverter plate installation – CORNELIUS ED, DF and DB SERIES****Cornelius ED, DF and DB series only**

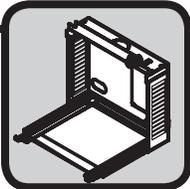
These dispensers require the installation of an ice diverter at the dispenser opening.

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

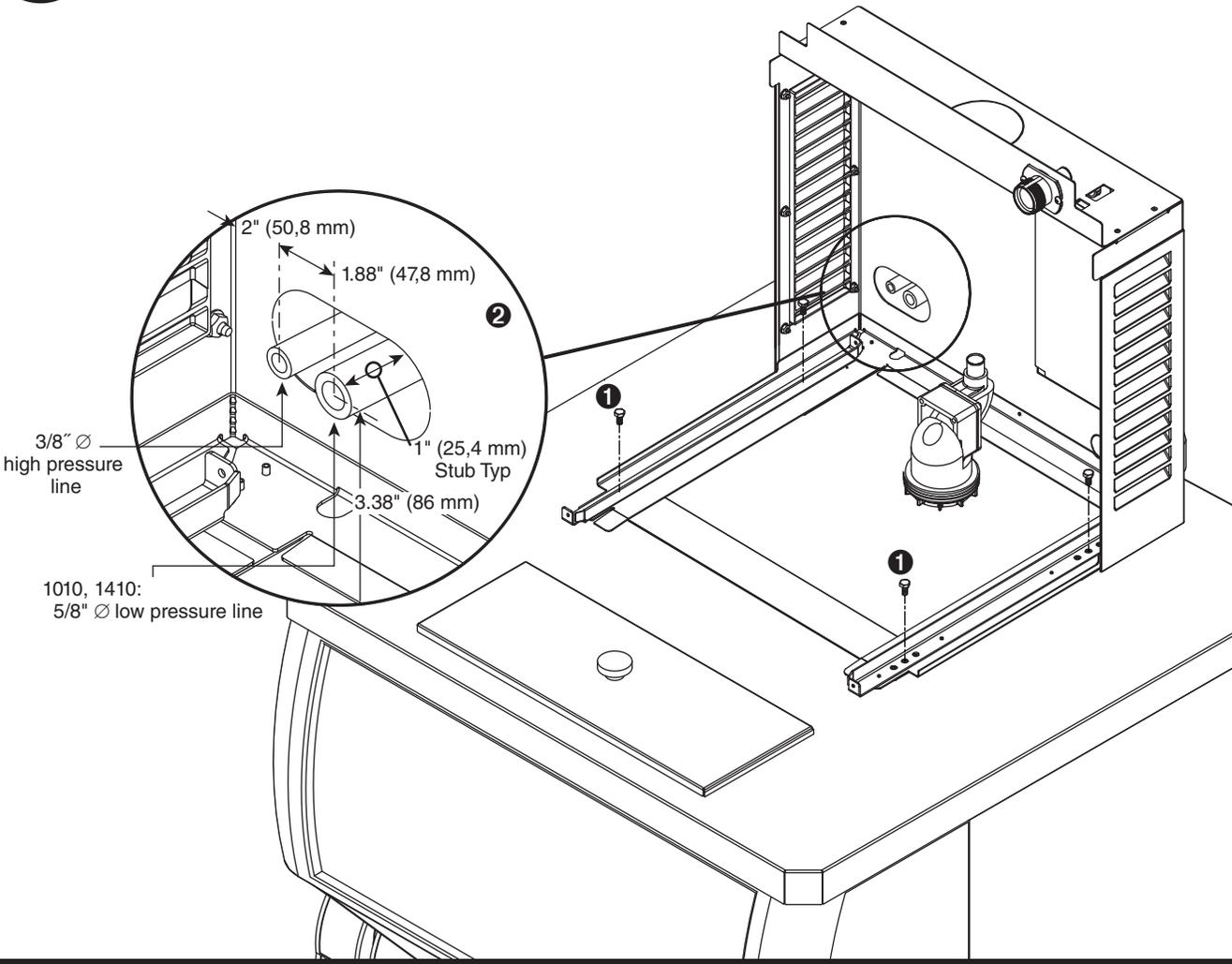
3.13**Agitation adjustments – Cornelius IDC and Flavor Fusion**

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.

Install the louvered docking assembly.



4.1 Louvered docking assembly



- Mount louvered docking assembly ①
- “Rough-in” the refrigerant piping ②

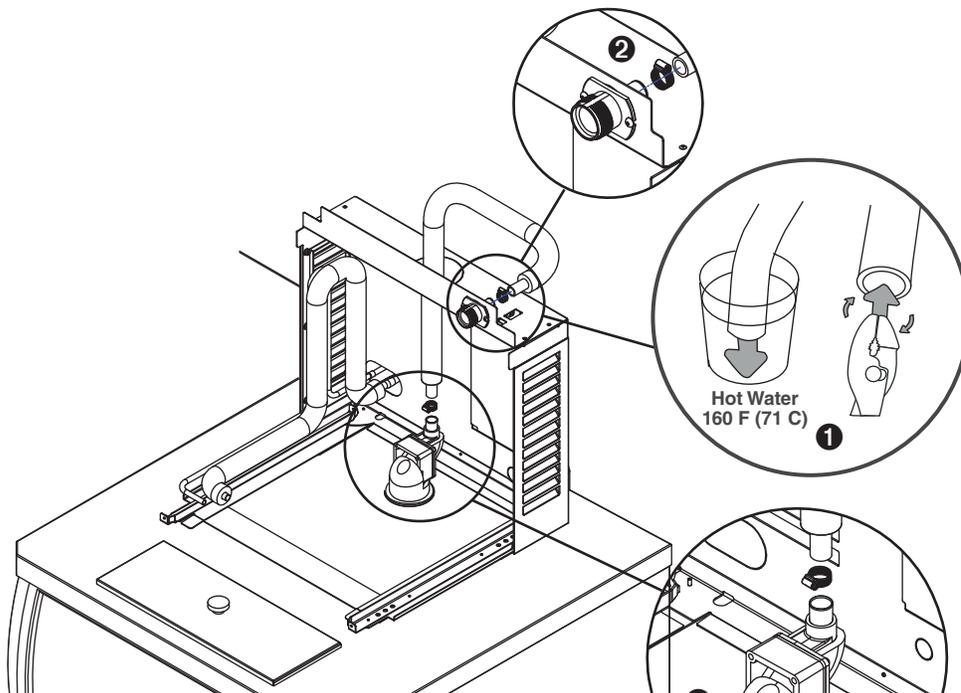
Install the ice transport tube.

Ice transport tube

5

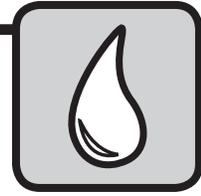


5.1 Ice transport tube

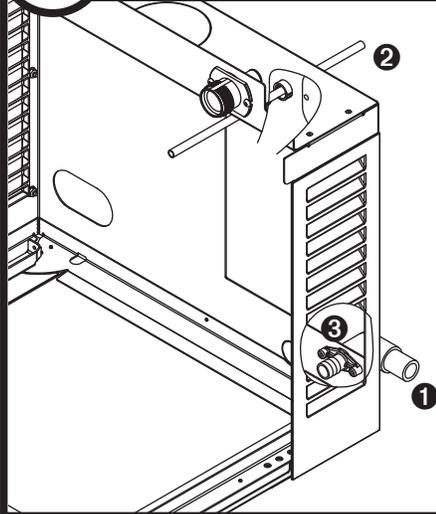


- Slide insulation onto ice transport tube
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ❶ before making connection to ease assembly
- Connect ice transport tube to coupling on louvered docking station ❷
- Connect ice transport tube to shuttle actuator ❸

Connect utilities to louvered docking assembly.

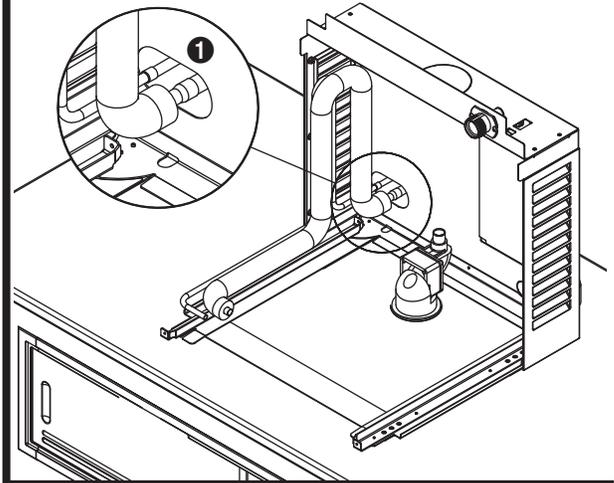


6.1 Water and drain



- Remove access panel if necessary.
- Install drain line **1**.
The rigid drain line from the ice machine must have at least 1/4" per foot pitch (6,4mm/0,3m).
- Rough-in ice machine potable water supply **2**.
3/8" push-in connection will be made at shut-off valve inside machine.
- Apply Petrogel to barbed drain fitting **3**
- Replace access panel.

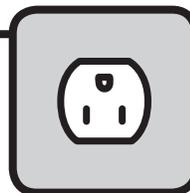
6.2 Refrigerant lines



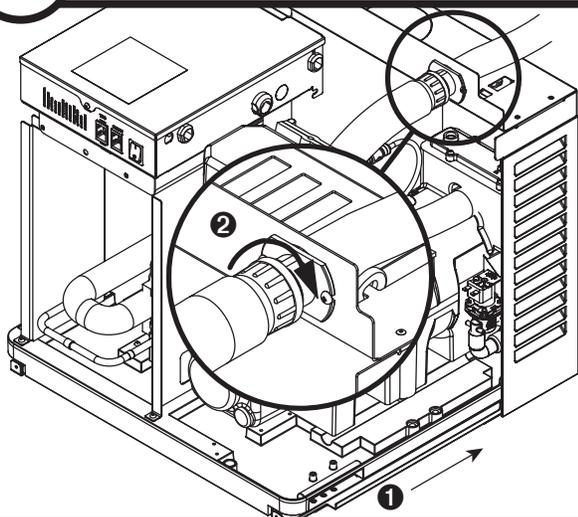
- Braze supplied expandable refrigerant lines in place **1**

Connect louvered docking assembly to ice machine.

Internal connections **7**

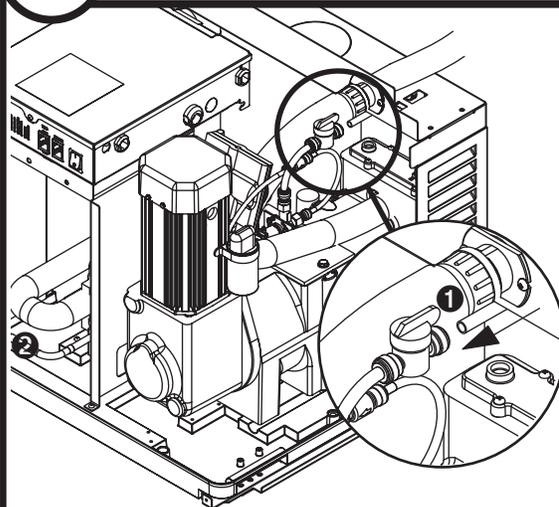


7.1 Ice transport tube installation



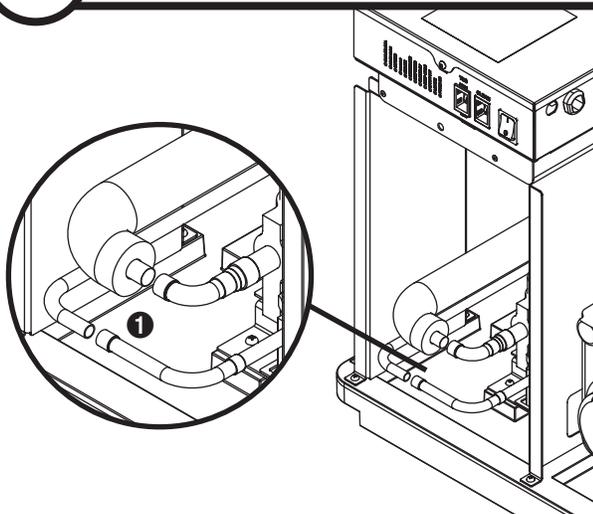
- Slide ice machine into louvered docking assembly *ensuring that drain tube is fully seated on barbed drain fitting* ❶
- Insert ice transport tube all the way into coupling and tighten nut firmly ❷

7.2 Water line



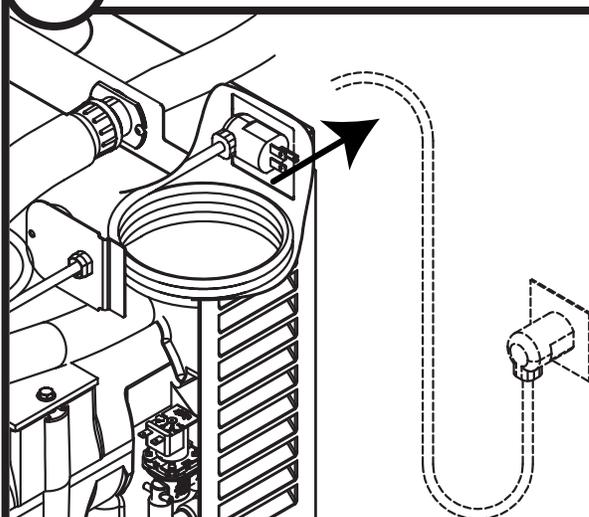
- Insert potable water line into valve ❶

7.3 Refrigeration lines



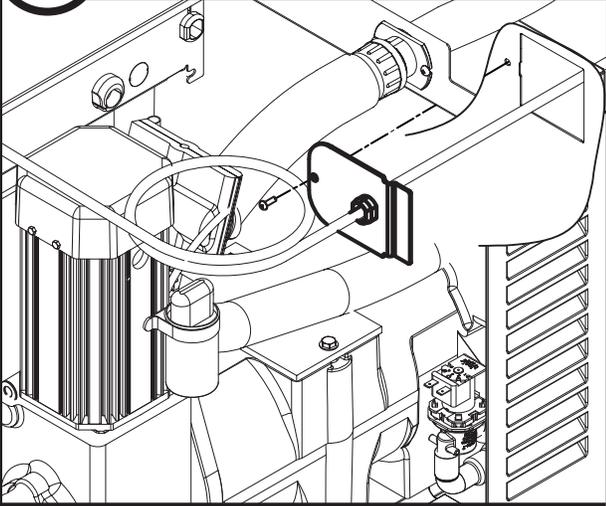
- Braze refrigerant lines ❶

7.4 Power cord



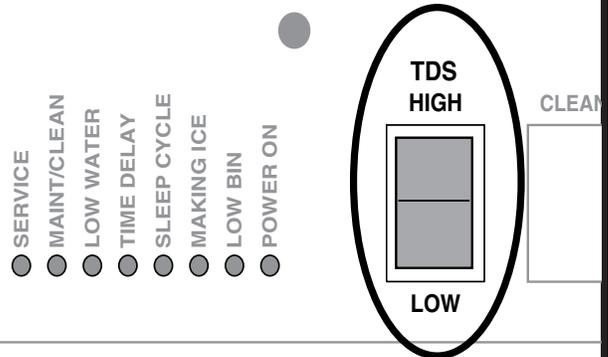
- Remove twist tie
- Carefully pass cord thru opening and plug into wall outlet

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

NOTICE

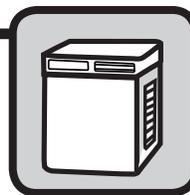
Ice machine MUST be sanitized prior to operation!

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

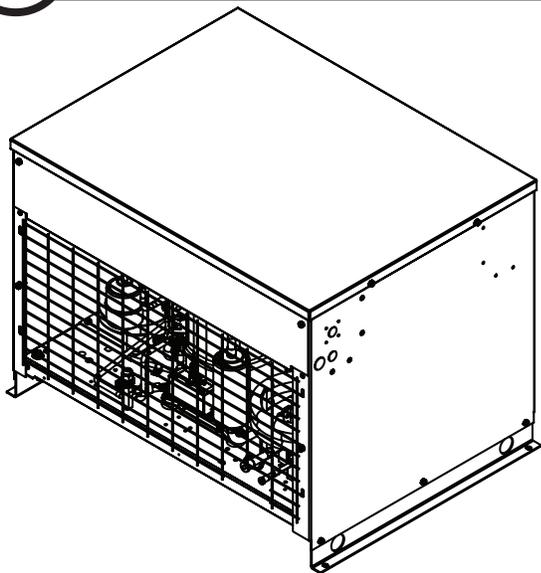
Install front cover to ice machine.

Front cover

8



8.1 Install condensing unit

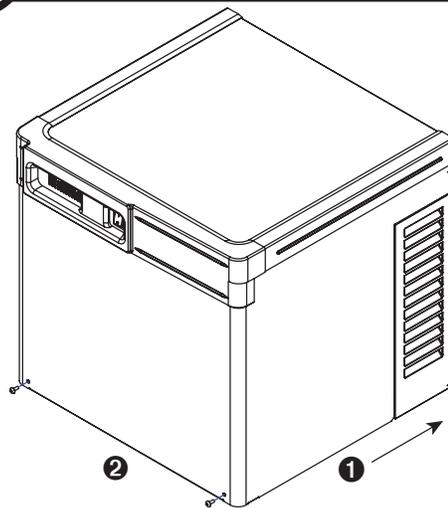


- Complete installation of condensing unit or connection to rack system.
- Required rack system capacity at 0 F (-18 C) evaporator (EPR supplied by installer).

1010N: 7,700 Btu/hr (1940 kcal/hr)

1410N: 10,000 Btu/hr (2519 kcal/hr)

8.2 Install ice machine front cover



- Slide ice machine cover over machine ensuring that tabs on back of cover slip under louvers on back of louvered docking assembly **1**
- Insert and tighten two screws through cover and into louvered docking assembly **2**

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