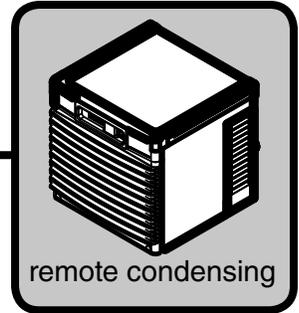


Horizon™ Ice Machine Installation Instructions for Harmony™ Top-mount Applications

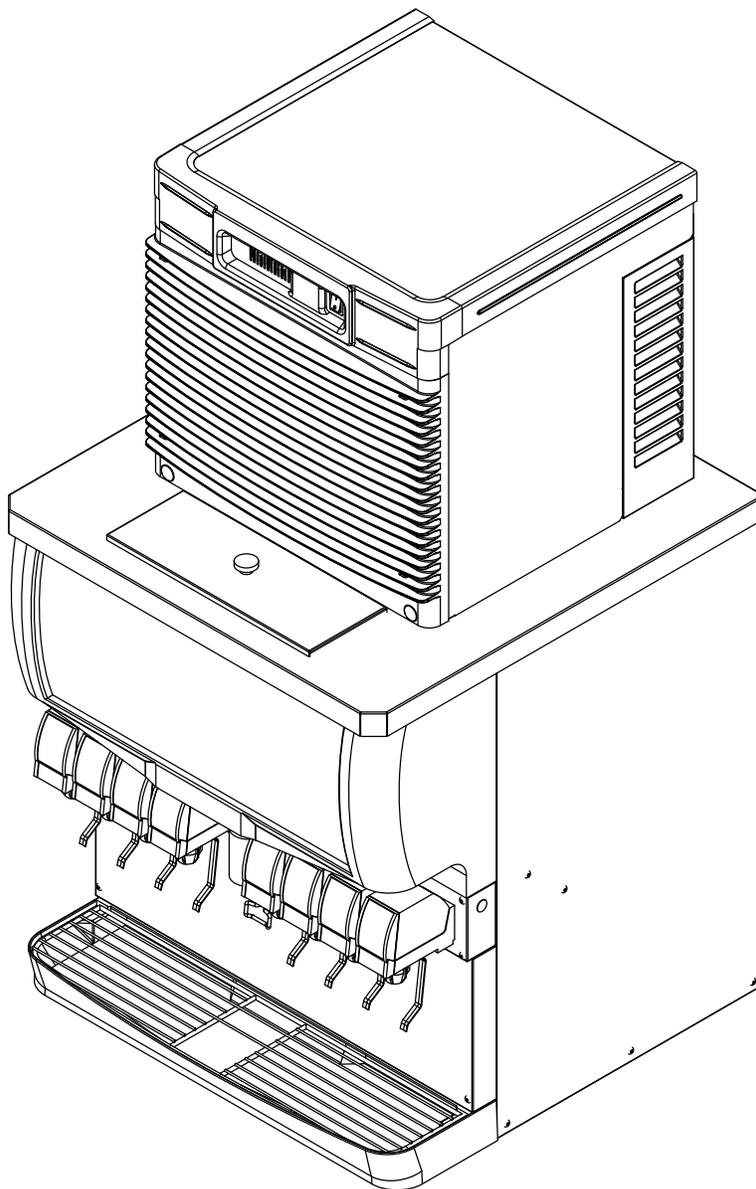
HCD/HMD700RHT
HCD/HMD700NHT

(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
700
A
V
S

Machine	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	V Vision™	S RIDE®
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>	700 up to 750 lbs (340kg)	W Water-cooled, self-contained	H Harmony™	H <i>(RIDE remote ice delivery equipment)</i>
HM Horizon Micro Chewblet	E 230/50/1 (icemaking head) <i>Self-contained only.</i>	1000 up to 1036 lbs (471kg)	R Air-cooled, remote condensing unit	B Ice storage bin	T Top-mount
		1400 up to 1450 lbs (658kg)	N Air-cooled, no condensing unit for connection to parallel rack system	J Drop-in	
		1650 up to 1580 lbs (717kg)		M Ice Manager™ diverter valve system	

Read and complete the following 8 installation steps

1 **Unpack** _____



2 **Site preparation** _____



3 **Dispenser preparation** _____



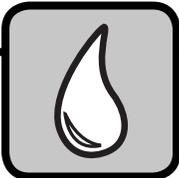
4 **Louvered docking assembly** _____



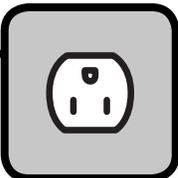
5 **Ice transport tube** _____



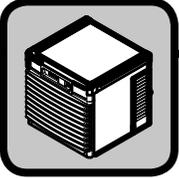
6 **External connection** _____



7 **Internal connection** _____



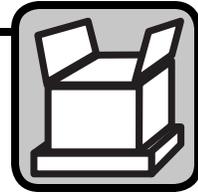
8 **Front cover** _____



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

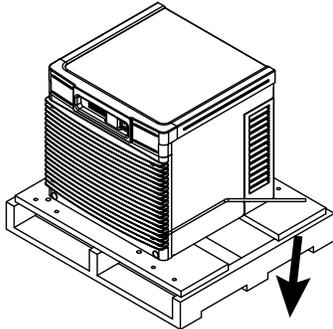
Unpack

1

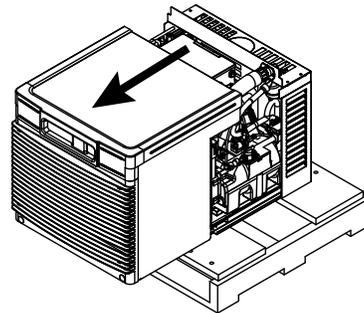


1.1 Unpack ice machine

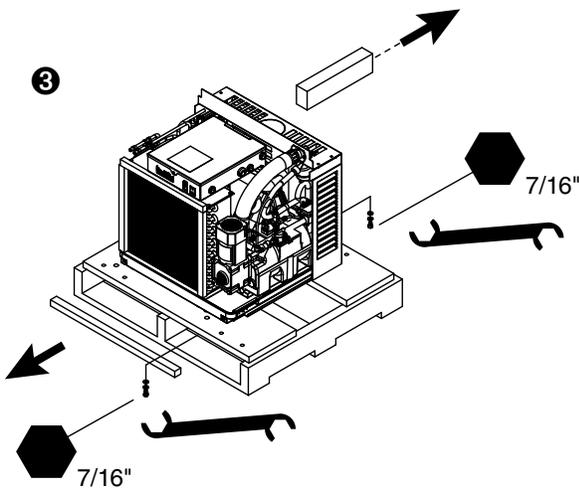
1



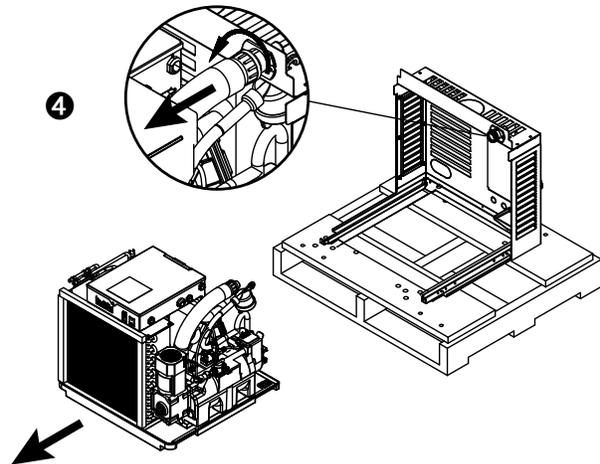
2



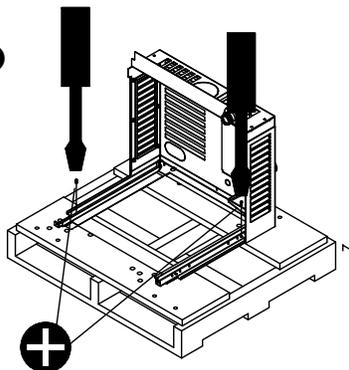
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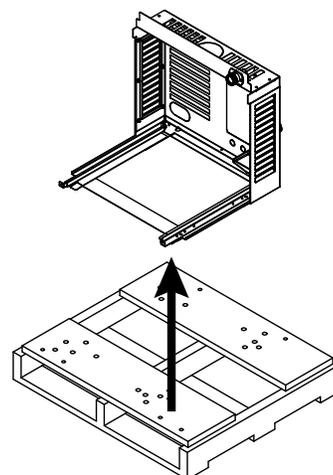
4



5

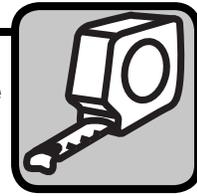


6

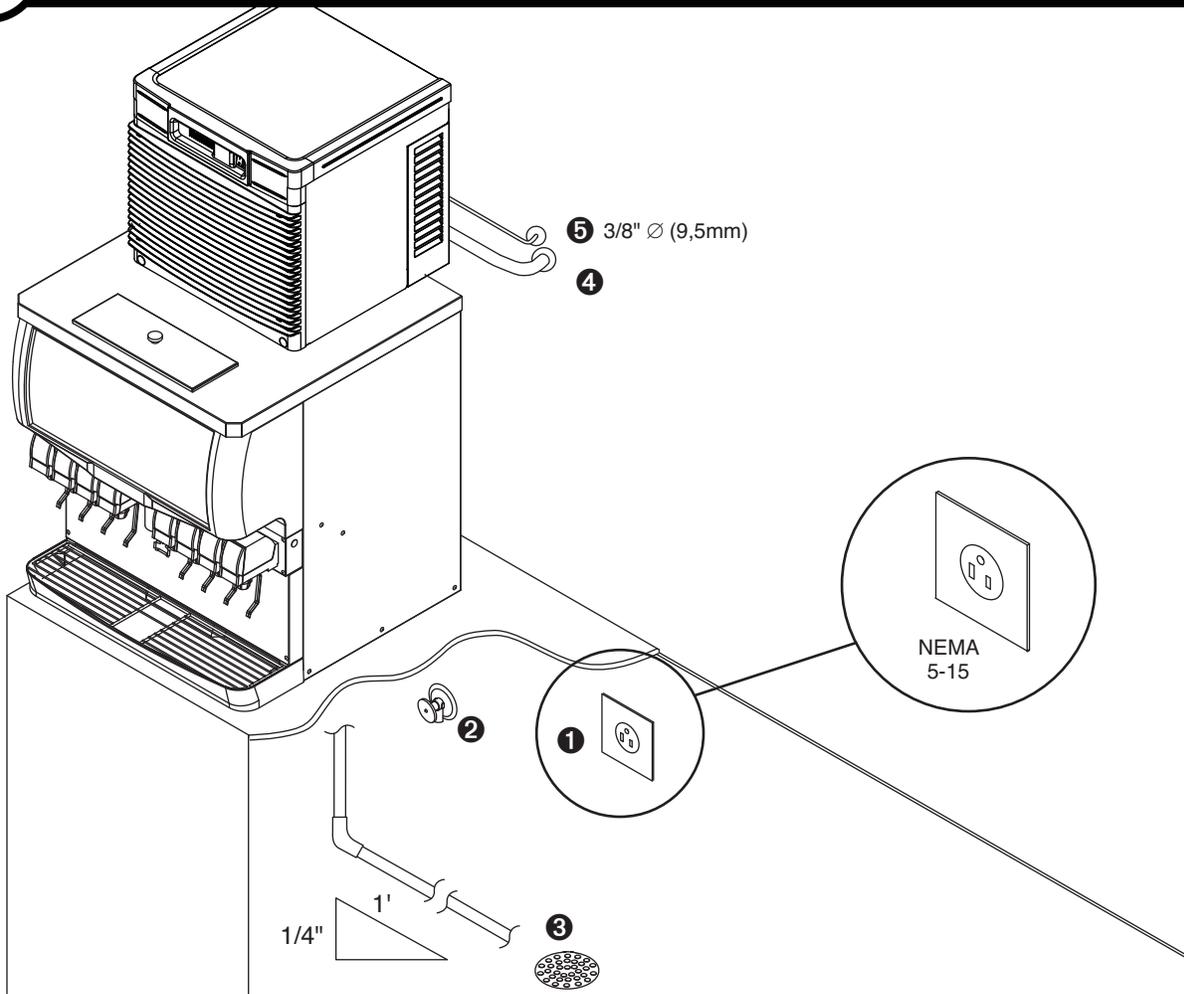


Prepare the installation site.

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

- 120/60/1-6 amps

Potable water supply 2

- 10-70 psi (69-483kpa)
- 45-90 F (7-32 C)
- Water supply must be treated by a scale-inhibiting filter (item# 00130286)

Drain 3

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

Refrigeration lines 4

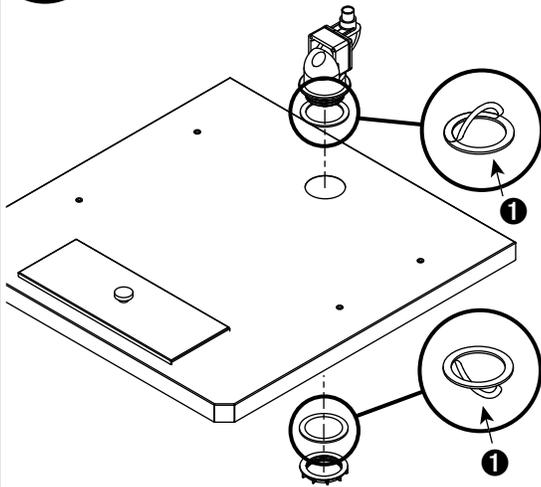
- 5/8" (15,8mm) diameter suction (insulated) 4
- 3/8" (9,5mm) liquid 5

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.



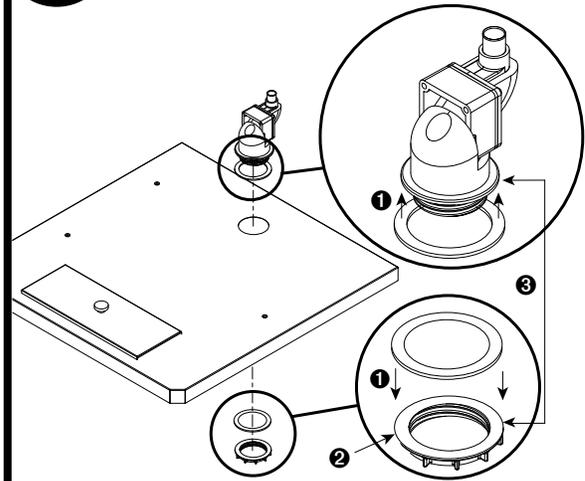
3.1 Top preparation – ALL



All models

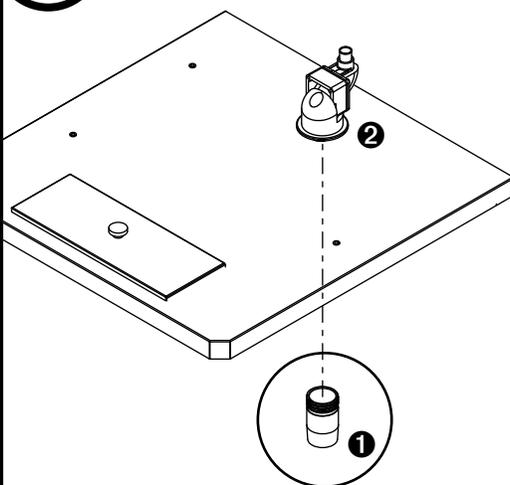
- Remove protective tape from gaskets ①

3.2 Top preparation – ALL



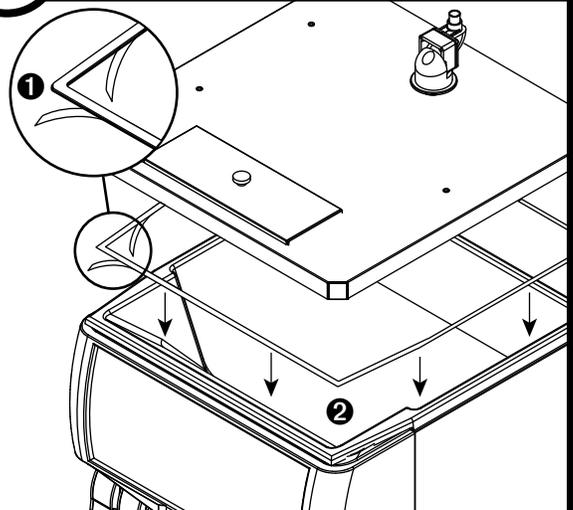
- Apply gaskets ①.
- Install coupling ② through bottom of dispenser top and secure with locking nut ③

3.3 Top preparation – ALL



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

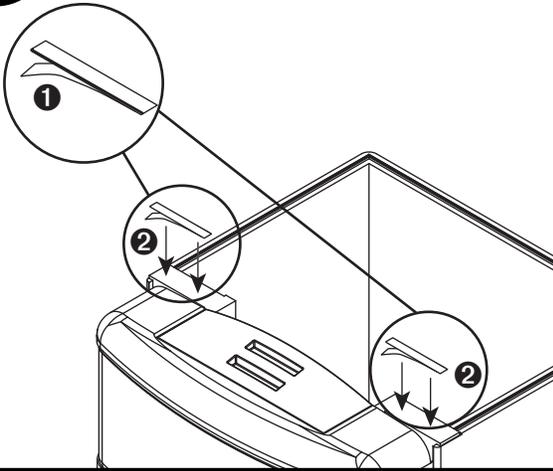
3.4 Top preparation – CORNELIUS



Cornelius models only

- Remove protective tape ①
- Apply gasket ②

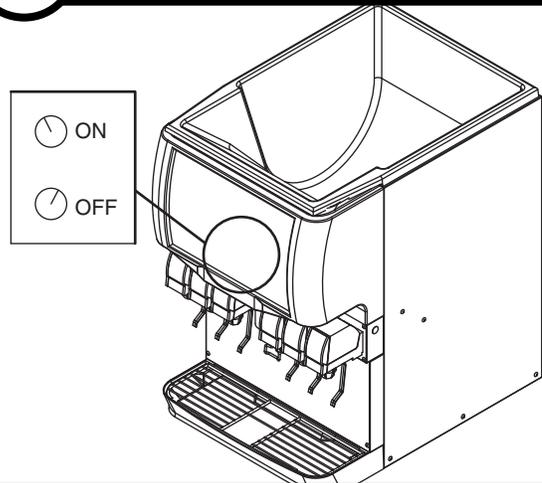
3.5 Top preparation – LANCER



Lancer models only

- Remove protective tape ①
- Apply gaskets ②

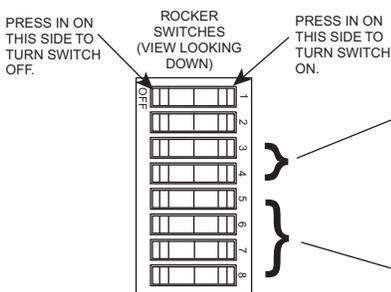
3.6 Agitation adjust. – CORNELIUS



Cornelius models ED, DB, DF, IDC and Flavor Fusion

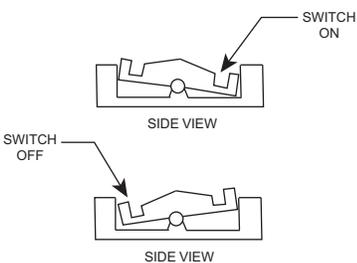
Adjust the agitation timer located on the Cornelius PC board to 1 second on, 1 hour off. **Note:** see Cornelius manual for more information.

3.7 Agitation adjustments – LANCER 4500 SERIES



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



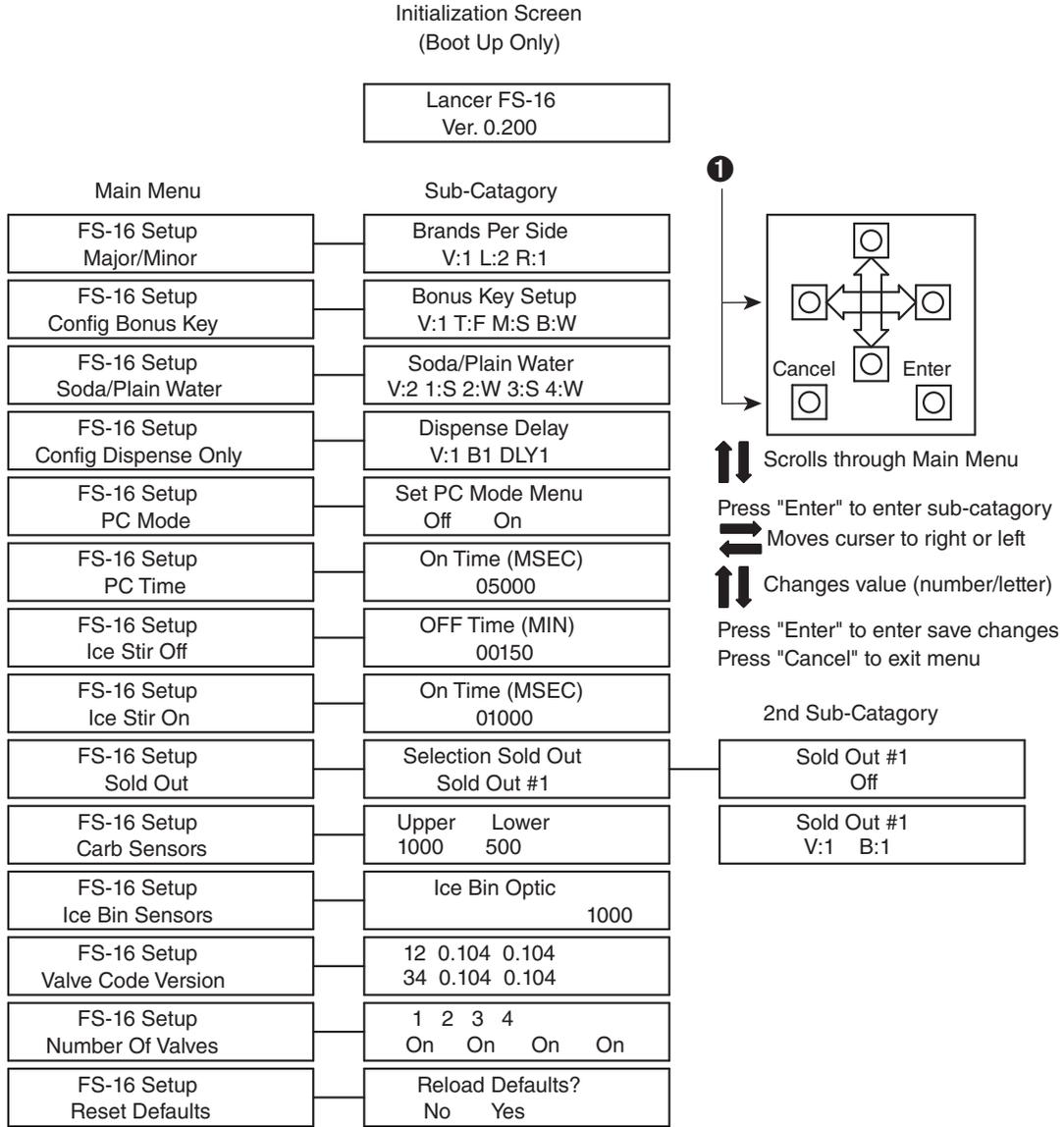
SWITCH NUMBER	AGITATION FREQUENCY															
	NO AGITATION	10 MINUTES	20 MINUTES	30 MINUTES	40 MINUTES	50 MINUTES	60 MINUTES	70 MINUTES	80 MINUTES	90 MINUTES	100 MINUTES	110 MINUTES	120 MINUTES	130 MINUTES	140 MINUTES	150 MINUTES
5	O	O	O	O	O	O	O	O	X	X	X	X	X	X	X	X
6	O	O	O	O	X	X	X	X	O	O	O	X	X	X	X	X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

Note: See Lancer manual for more information.

3.8 Agitation adjustments – LANCER FS SERIES



Lancer FS series only

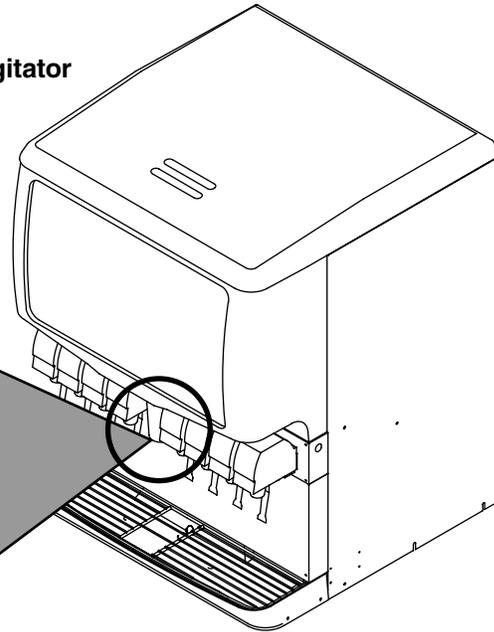
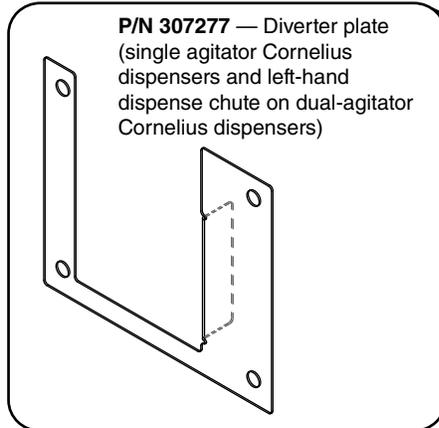
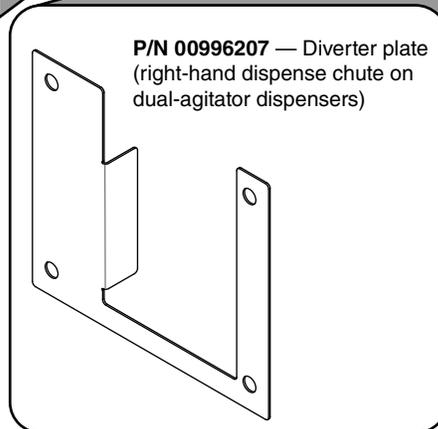
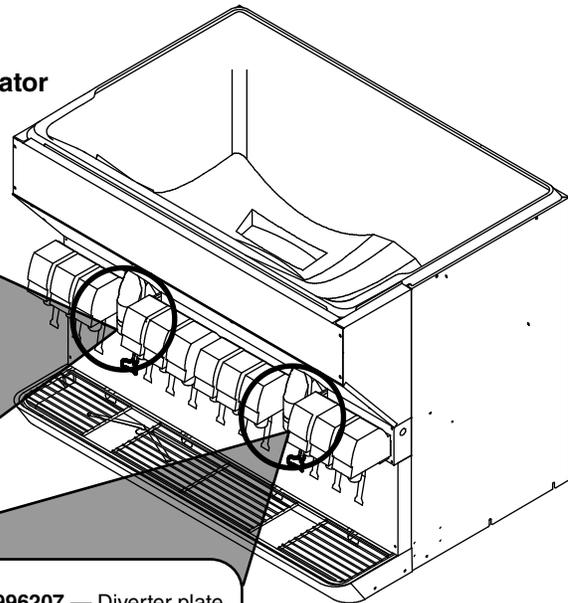
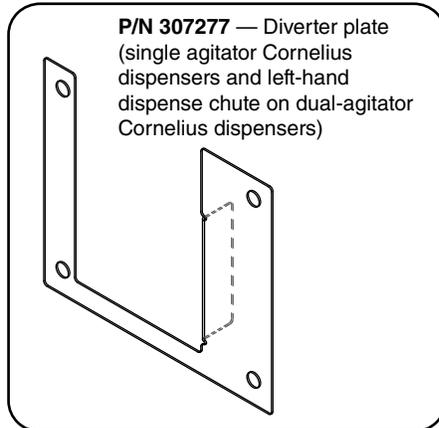
- Hold down "cancel" and "left button" to get to hidden menu **1**
- Type in code 6655
- Type in 150 minutes of off time and 1000 milliseconds (1 second of time) as the preferred setting

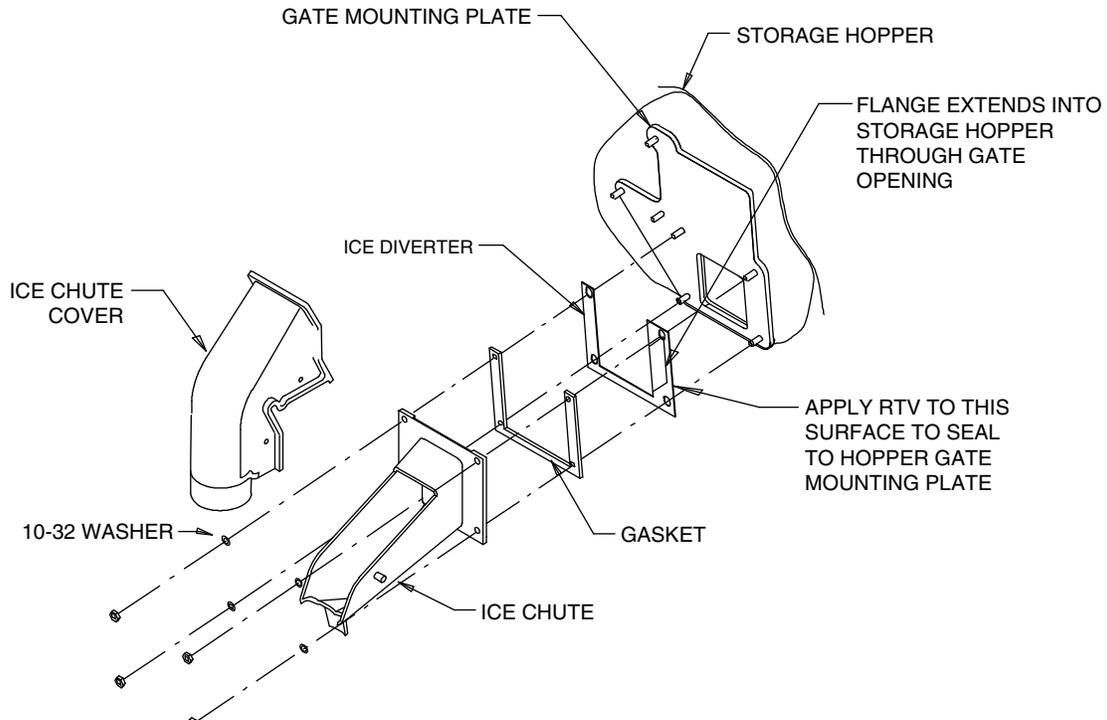
Note: See Lancer manual for more information.

3.9 Agitation adjustments – SERVEND

SerVend models only

No agitation adjustment required.

3.10**Dispenser diverter plate overview (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**

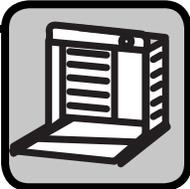
These dispensers require the installation of an ice diverter at the dispenser opening.

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

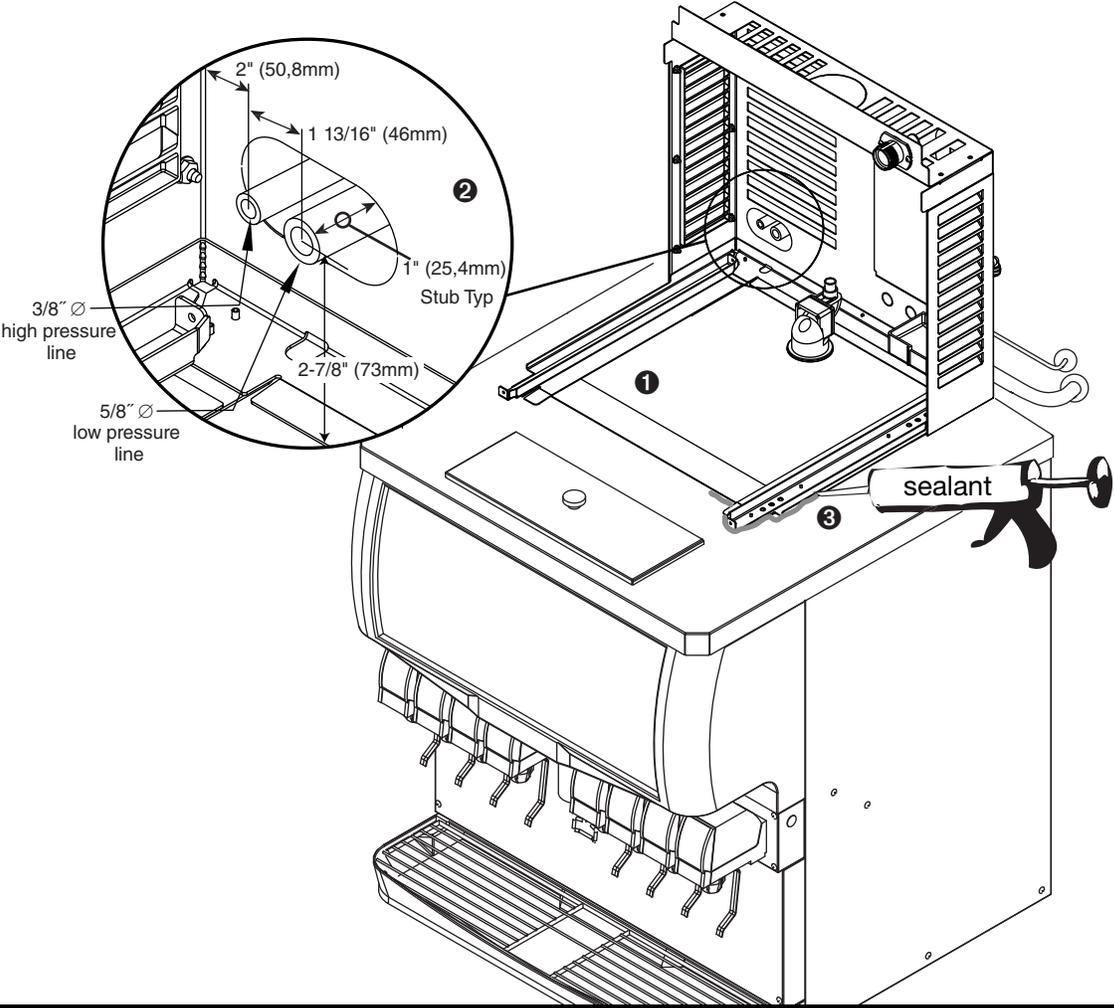
Cornelius IDC and Flavor Fusion

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.

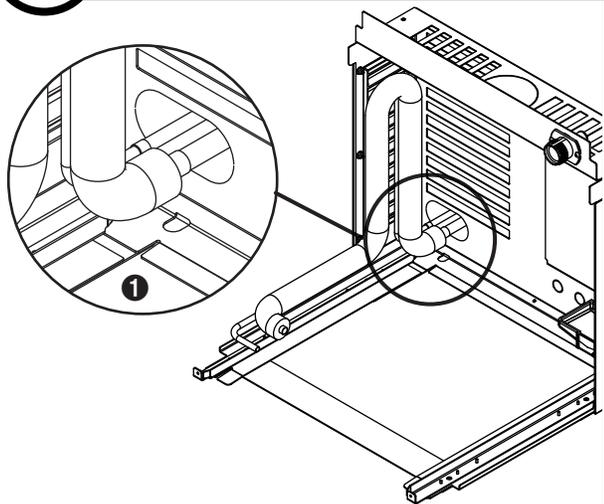


4.1 Louvered docking assembly



- Mount louvered docking assembly ①
- “Rough-in” the refrigerant piping ②
- Seal perimeter of docking station to mounting surface ③

4.2 Refrigerant lines



- Braze supplied expandable refrigerant lines in place ❶

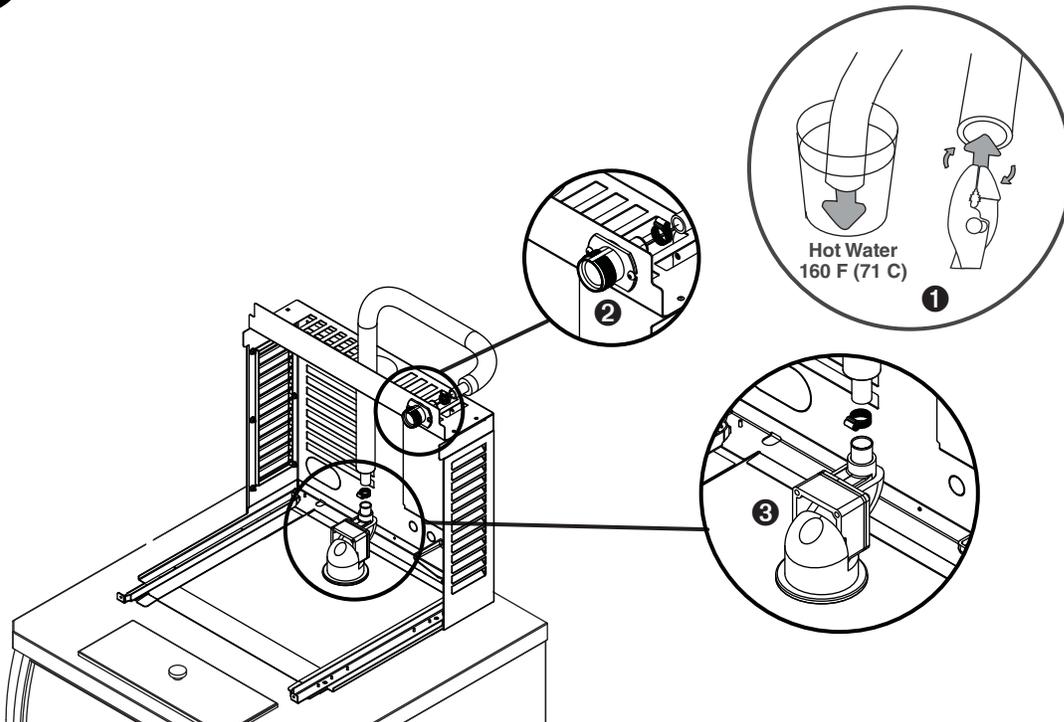
Install the ice transport tube.

Ice transport tube

5



5.1 Ice transport tube

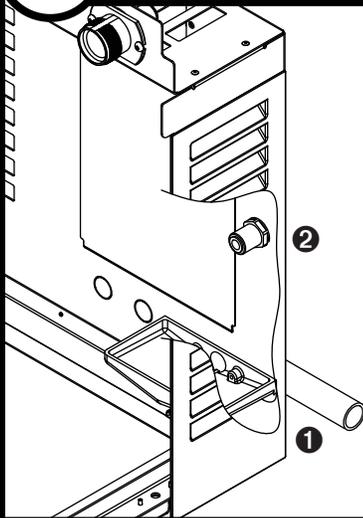


- Cut transport tube to 26" (66 cm) length
- Install supplied ice transport tube insulation
- Heat end of transport tube in cup of 160 F (71 C) hot water to soften and spread with pliers ❶ before making connection to ease assembly
- Connect ice transport tube to coupling on louvered docking station ❷
- Connect ice transport tube to shuttle actuator ❸

Connect utilities to louvered docking assembly.



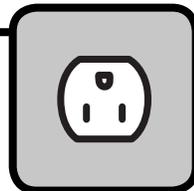
6.1 Water and drain



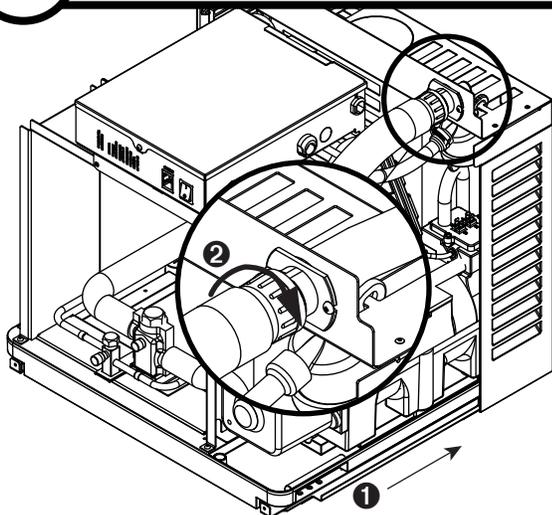
- Remove access panel if necessary.
- Install drain line **1**.
The rigid drain line from the ice machine must be vented and have at least 1/4" per foot (6,4mm/0,3m) pitch.
- Install icemaker potable water supply **2**
(Water supply must be treated by a scale-inhibiting filter (item# 00130286))
- Replace access panel

Connect louvered docking assembly to ice machine.

Internal connections **7**

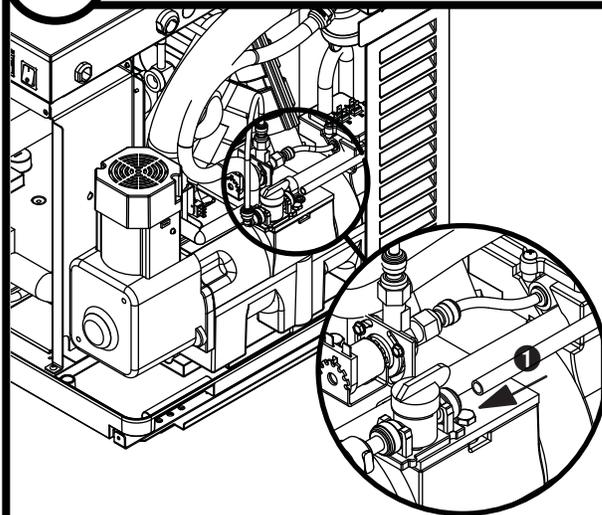


7.1 Ice transport tube installation



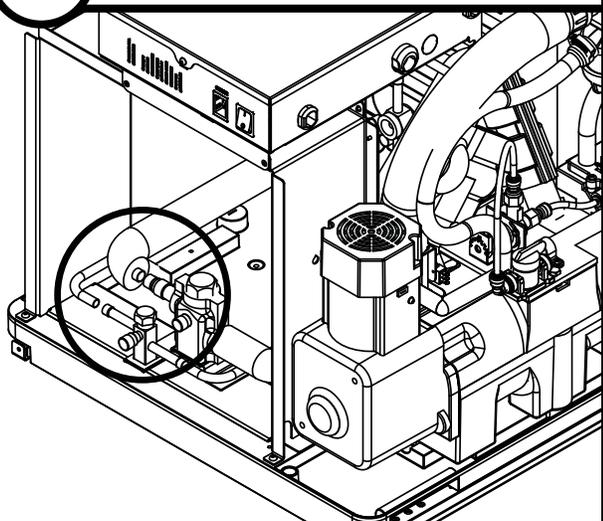
- Slide ice machine into louvered docking assembly **1**
- Insert ice transport tube all the way into coupling and tighten nut firmly **2**

7.2 Water and drain lines



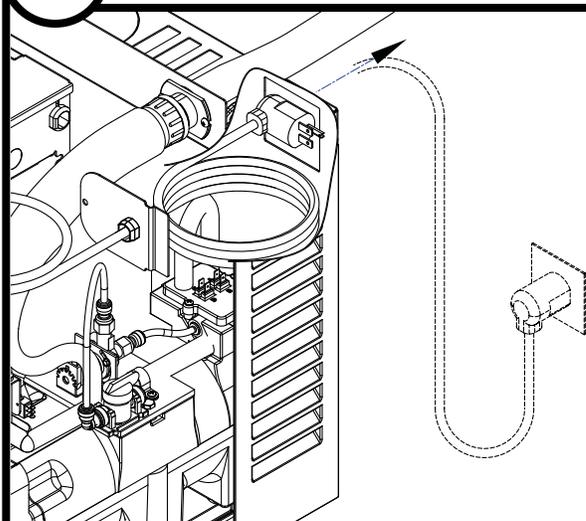
- Insert potable water line into valve **1**

7.3 Refrigeration lines



- Braze refrigerant lines

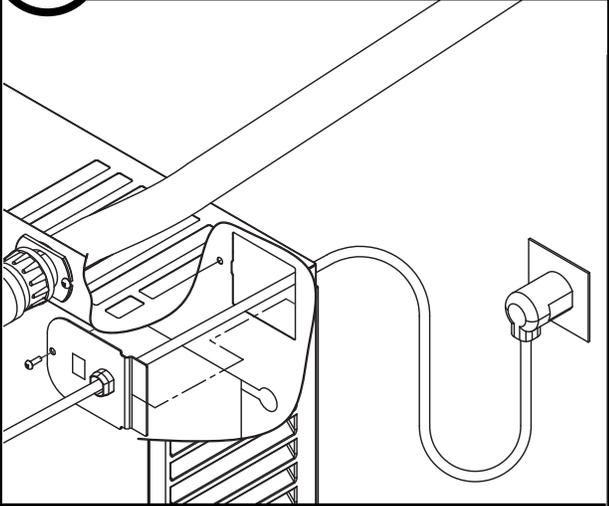
7.4 Power cord



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

7.5

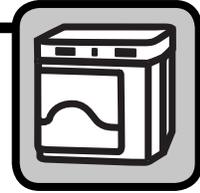
Power cord



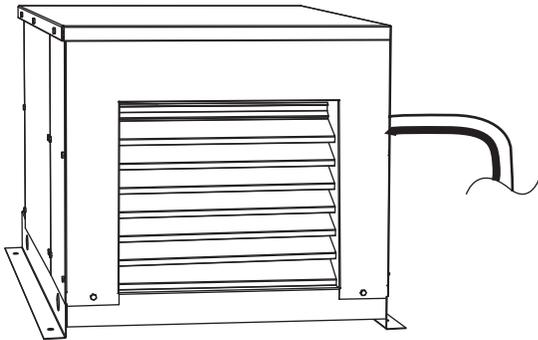
- Position plate into opening and secure with supplied screw

Install front cover to ice machine.

Front cover **8**

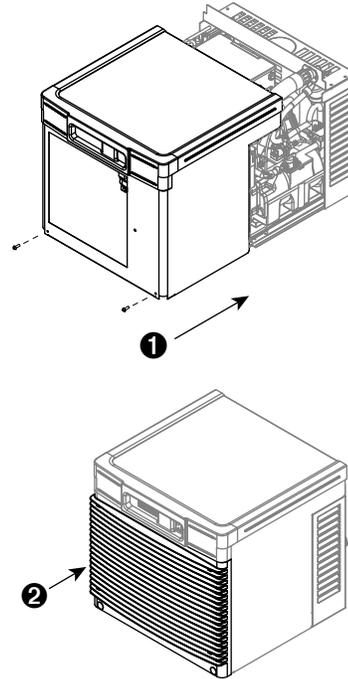


8.1 Install condensing unit



- Complete installation of condensing unit or connection to rack system.

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**, then tighten two screws through cover
- Place louvered front cover on machine **2**

NOTICE

- Ice machine **MUST** be sanitized prior to operation!
- Consult Operation and Service Manual provided with ice machine for sanitizing instructions.
- To prevent circuit breaker overload, wait 15 minutes before restarting this unit. This allows the compressor to equalize and the evaporator to thaw.

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