



Ice Dispenser 22" - Model 4400

LANCER INSTALLATION GUIDE



ABOUT THIS MANUAL

This booklet is an integral and essential part of the product and should be handed over to the operator after the installation and preserved for any further consultation that may be necessary. Please read carefully the guidelines and warnings contained herein as they are intended to provide the user with essential information for the continued safe use and maintenance of the product. In addition, it provides ***GUIDANCE ONLY*** to the user on the correct services and site location of the unit.

BEFORE GETTING STARTED

Each unit is tested under operating conditions and is thoroughly inspected before shipment. At the time of shipment, the carrier accepts responsibility for the unit. Upon receiving the unit, carefully inspect the carton for visible damage. If damage exists,

claim with carrier. Responsibility for damage to the dispenser lies with the carrier.

IMPORTANT SAFETY INSTRUCTIONS

⚠ Intended Use

The dispenser is for indoor use only. This unit is not a toy. Children should not be supervised not to play with appliance. It should

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. Cleaning and user maintenance shall not be performed by children without supervision. The min/max ambient operating temperature for the dispenser is 40°F to

personnel. Applicable safety precautions must be observed. Instruction warnings on the product being used must be followed.



4500



Revision: September 2018

Lancer PN: 28-3008

Electrical Warning

into a wall electrical outlet unless the current shown on the serial number plate agrees with local current available. Follow all local maintenance. The resettable breaker switch should not be used as a substitute for unplugging the dispenser from the power source water lines are tight and units are dry before making any electrical connections!

Water Notice

standards. It is the responsibility of the installer to ensure compliance.

Automatic Agitation

without assistance. For heavier dispensers, use a mechanical lift.

SPECIFICATIONS

ID 4400 - 22" Cubed Ice

DIMENSIONS

Width
Depth
Height

ELECTRICAL

PLAIN WATER SUPPLY

Min Flowing Pressure
Max Flowing Pressure

WEIGHT

Shipping
With Ice
Ice Capacity
Ice Dispensable:

This unit emits a sound

FITTINGS

Plain/Carb Water Inlet

ID 4400N - 22" Nugget Ice

DIMENSIONS

Width
Depth
Height

ELECTRICAL

PLAIN WATER SUPPLY

Min Flowing Pressure
Max Flowing Pressure

WEIGHT

Shipping
With Ice
Ice Capacity
Ice Dispensable:

This unit emits a sound

INSTALLATION

READ THIS MANUAL

Your Service Agent: _____

Service Agent Telephone Number: _____

Serial Number: _____

Model Number: _____

Unpack the Dispenser

1. _____
banding straps and remove.
2. _____
3. _____
4. Remove plywood shipping base from unit by moving unit so _____
to screws on the bottom of the plywood shipping base.

NOTE

If unit is to be transported, it is advisable to leave the unit secured to the plywood shipping base.

5. Remove accessory kit and loose parts from ice compartment.

NOTE

Inspect unit for concealed damage. If evident, notify

If leg kit has been provided, assemble legs by tilting unit.

Selecting/Preparing Counter Location

NOTE

The dispenser should only be installed in a location where it can be overseen by trained personnel

1. _____

The selected location should be able to support the weight of the dispenser, ice and possibly an icemaker being installed

4. Unit may be installed directly on countertop or on legs. If installed directly on the counter, unit must be sealed to the

to be mounted on top of dispenser, do not install dispenser on legs.

NOTE

NSF listed units must be sealed to the counter or have four (4) inch legs installed.

NOTE

Lancer does *NOT* recommend the use of shaved or

5. In order to facilitate proper dispenser drainage, ensure that the dispenser is level, front to back and side to side. Place a level on the top of the rear edge of the dispenser. The bubble must settle between the level lines. Repeat this procedure

For optimum performance place the unit at a 0° tilt. The maximum tilt is 5°.

Installing an Icemaker (if necessary)

⚠ ATTENTION

bin thermostat to control the ice level (see below). This will prevent damage to the dispensing mechanism. The

bin. During the automatic agitation cycle and while dispensing ice, ensure there is adequate space between the top of the ice level and the bottom of the

on a suitable bin thermostat.

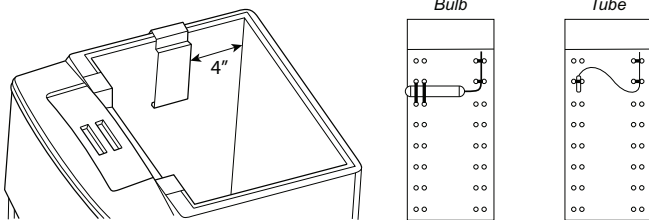
1. _____
of consideration include drainage, ventilation, and drop

Contact your icemaker manufacturer to obtain the correct bin thermostat.

4. edge of the dispenser. The preferred location of the bin thermostat is on the left side wall.

Attach Bin Stat Bracket As Shown

Recommended Bin Stat Attachment



⚠ ATTENTION

Failure to use an ice bin thermostat will not only void your IBD's warranty but will result in the inability to control the level of ice in the ice bin which can cause damage to your dispenser.

5. Ensure the icemaker is installed properly to allow for removal of the Merchandiser.

instructions.

Dispenser Installation

NOTE

The installation, and relocation if necessary, must current regulations.

1. Route appropriate tubing from the water source to the plain water inlet at the front of the unit and connect tubing to inlet

check for leaks.

⚠ CAUTION

Drain line must be insulated with a closed cell insulation. Insulation must cover the entire length of installed in such a manner that water does not collect in sags or other low points, as condensation will form.

⚠ ATTENTION

Pouring hot water down the drain may cause the Drain enter the Drain Tube. similar substances down the drain may cause the Drain Tube to become clogged.

- 4.
5. Route the power supply cord to a grounded electrical outlet of the proper voltage and connect to outlet.

⚠ WARNING

The dispenser must be properly electrically grounded power cord has a three-prong grounded plug. If a three-hole grounded electrical outlet is not available, use an approved method to ground the unit. Follow all dispenser must have a separate electrical circuit. Do electrical devices on the same outlet.

Test the motor operation by pushing the ice chute lever until agitator motor begins to turn.

achieved.

Adjusting The Ice Flow Regulator (230 V Units Only)

NOTE

The Regulator Door Assembly (PN 82-2904) can Ice Flow Regulator is NOT necessary for the dispensing of ice. This IBD unit will dispense ice unrestricted.

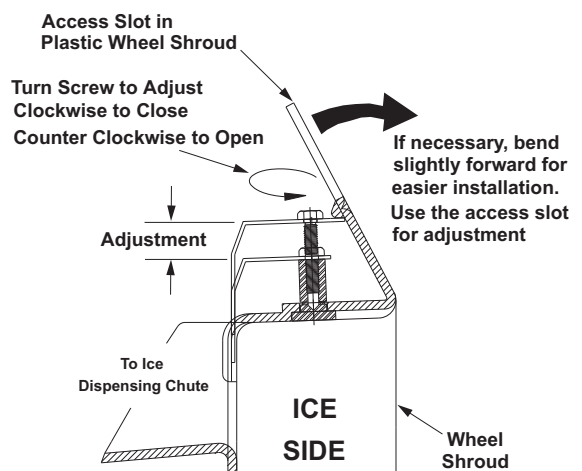
- 1.

screw clockwise to close, or counter clockwise to open, with the use of a nut driver or a socket wrench.

NOTE

The total adjustment is 1/2 inch.

Reinstall bin lids.



CUT AWAY VIEW

CLEANING AND SANITIZING

GENERAL INFORMATION

Lancer equipment (new or reconditioned) is shipped from the factory cleaned and sanitized in accordance with NSF guidelines. The operator of the equipment must provide continuous maintenance as required by this manual and/or state and local health department guidelines to ensure proper operation and sanitation requirements are maintained.

is being cleaned, follow the guidelines established by the manufacturer for that equipment.

Cleaning should be accomplished only by trained personnel. Sanitary gloves are to be used during cleaning operations. Applicable safety precautions must be observed. Instruction warnings on the product being used must be followed.

⚠ ATTENTION

- Use sanitary gloves when cleaning the unit and observe all applicable safety precautions.
- *DO NOT* use a water jet to clean or sanitize the unit.
- *DO NOT* disconnect water lines when cleaning and sanitizing syrup lines, to avoid contamination.
- *DO NOT* use strong bleaches or detergents; These can discolor and corrode various materials.
- *DO NOT* use metal scrapers, sharp objects, steel wool, scouring pads, abrasives, or solvents on the dispenser.
- *DO NOT* use hot water above 140° F (60° C). This can damage the dispenser.
- *DO NOT* spill sanitizing solution on any circuit boards. Insure all sanitizing solution is removed from the system.

Cleaning Solution

solvents because they can cause permanent damage to the unit. Ensure rinsing is thorough, using clean, potable water at a

Sanitizing Solution

the instructions by the manufacturer shall comply with 40 CFR

Daily Cleaning

1. Using the cleaning solution, clean top cover and all exterior stainless steel surfaces.
Clean exterior of dispensing valves and ice chute.
Remove cup rest then clean the drip tray and cup rest.
4. cleaning solution.

Ice Bin Cleaning - Start-Up and Monthly

NOTE

Refer to the Automatic Agitation Warning on page 2.

1. Remove Top Cover.
Melt out any remaining ice from the bin.
- 4.
5. the auger.

to clean all removable parts, sides of the Ice Bin, Auger, and surface of the aluminum casting.

clean all interior surfaces of the ice chute and the ice chute feed through.

Using hot water, thoroughly rinse away the cleaning solution.
10. parts, sides of the Ice Bin, Auger, and surface of the aluminum casting.
11. provided, clean all interior surfaces of the ice chute and the ice chute feed through.

Ensure agitator clip is locked.
14. Fill Unit with ice and replace Top Cover.
- 15.

Ice Chute Cleaning - Monthly

NOTE

It is recommended to perform this procedure monthly, or more often if desired. Use the cleaning solution described above. An alternate solution of one part water to one part vinegar may be used to remove water spots and calcium deposits.

NOTE

Always remove the ice chute lever before removing the splash plate.

1.

Remove Merchandiser.

Assembly by lifting it up and out from the dispenser face.

4. Remove the Ice Chute Assembly base by removing the four

5.

Rinse and dry the Ice Chute Assembly thoroughly.

Reinstall the Ice Chute Assembly.

10. Reconnect power to the dispenser.

TROUBLESHOOTING

Dispenser Troubleshooting

TROUBLE	CAUSE	REMEDY
Push chute; no response.	1. PC board defective. 4. Malfunctioning power supply.	1. Connect dispenser to power source. Plug in wiring harness. Replace PC board. 4. Check voltage to power supply. Check fuses.
Push chute, ice door opens but motor does not run.	1. PC board defective. Motor defective.	1. Plug in wiring harness. Replace PC board. Replace motor.
Push chute, motor runs but ice door does not open.	1. PC board defective.	1. Connect solenoid to PC board. Replace solenoid. Replace PC board.
Push chute, ice door opens, motor runs, but ice does not dispense, or ice is of poor	1. Agitator pin is missing or damaged. 4. Key not installed on agitation shaft.	1. Fill dispenser with ice. Replace agitator pin. 4. Install key on agitation shaft.
	1. Coldplate drain is obstructed.	1. Remove splash plate and drip tray to obtain access to drain tubes and clear accordingly.
spigot.	1.	1. If damaged, replace. If improperly installed,
Miscellaneous leakage.	1. Gap between parts.	1. Tighten appropriate retaining screws.

Automatic Agitation and Low Ice Alarm Control

NOTE

is provided to control the timing and low ice control. Dispensers using pellet ice must have the automatic agitation

DIP#	DESCRIPTION
	position.
	1.

Switch Number				Agitation Off Time
5	6	7	8	
☐	☐	☐	☐	No Agitation
☐	☐	☐		10 Minutes
☐	☐		☐	
☐	☐			
☐		☐	☐	40 Minutes
☐		☐		50 Minutes
☐			☐	
☐				
	☐	☐	☐	
	☐	☐		
	☐		☐	100 Minutes
	☐			110 Minutes
		☐	☐	
		☐		
			☐	140 Minutes
				150 Minutes

Cube Ice Setting:

Pellet Ice Setting:

Switch #		Agitation On Time
3	4	
☐	☐	
☐		
	☐	

Key
☐

Switch 1:
Switch 2:
Switch 3-4:
Switch 5-8:

ON

☐

☐

☐

☐

☐

☐

☐

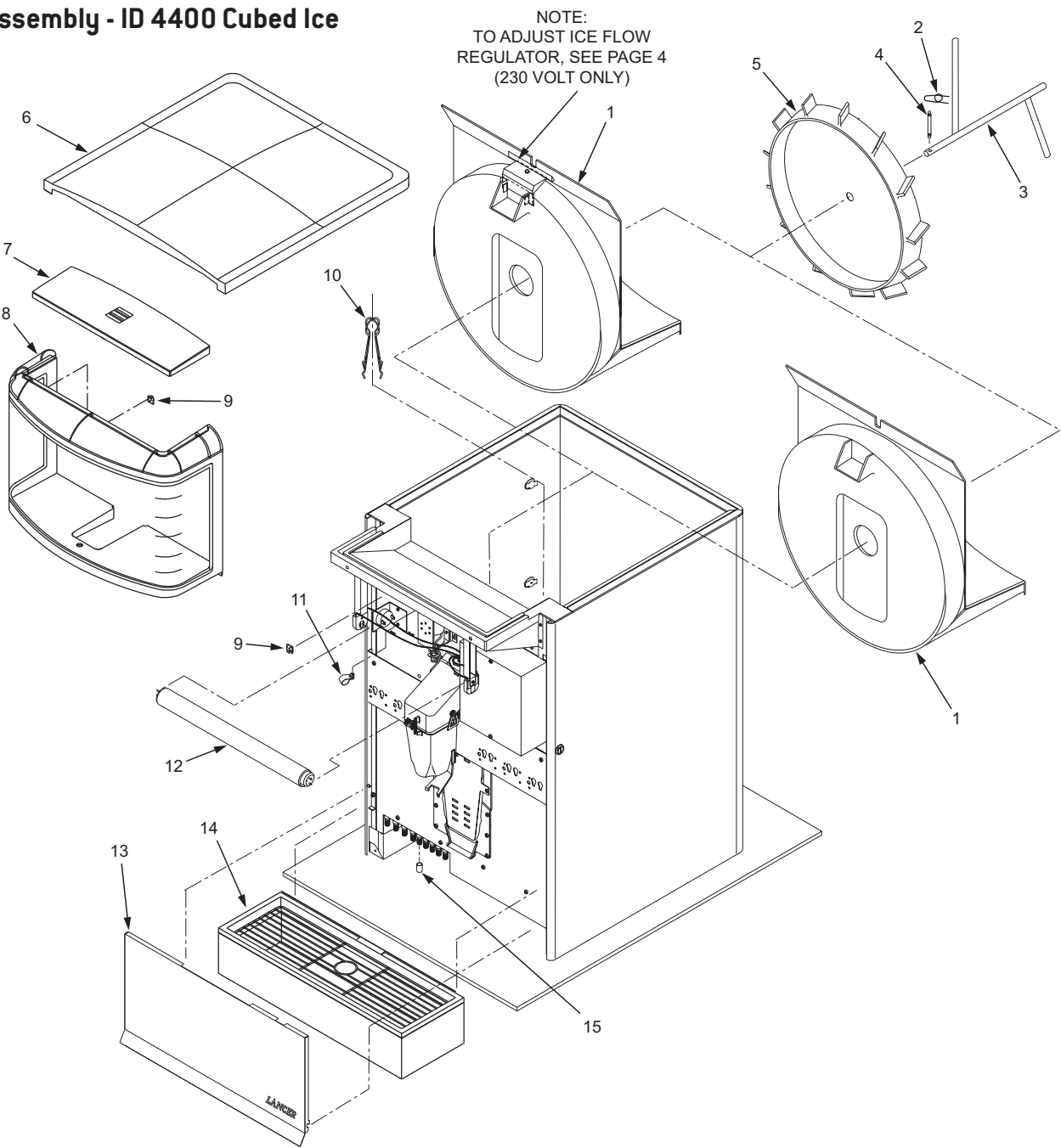
☐

12345678

Up =
Down =

ILLUSTRATIONS & PART LISTINGS

Final Assembly - ID 4400 Cubed Ice



<u>Item</u>	<u>Part No.</u>	<u>Description</u>
-------------	-----------------	--------------------

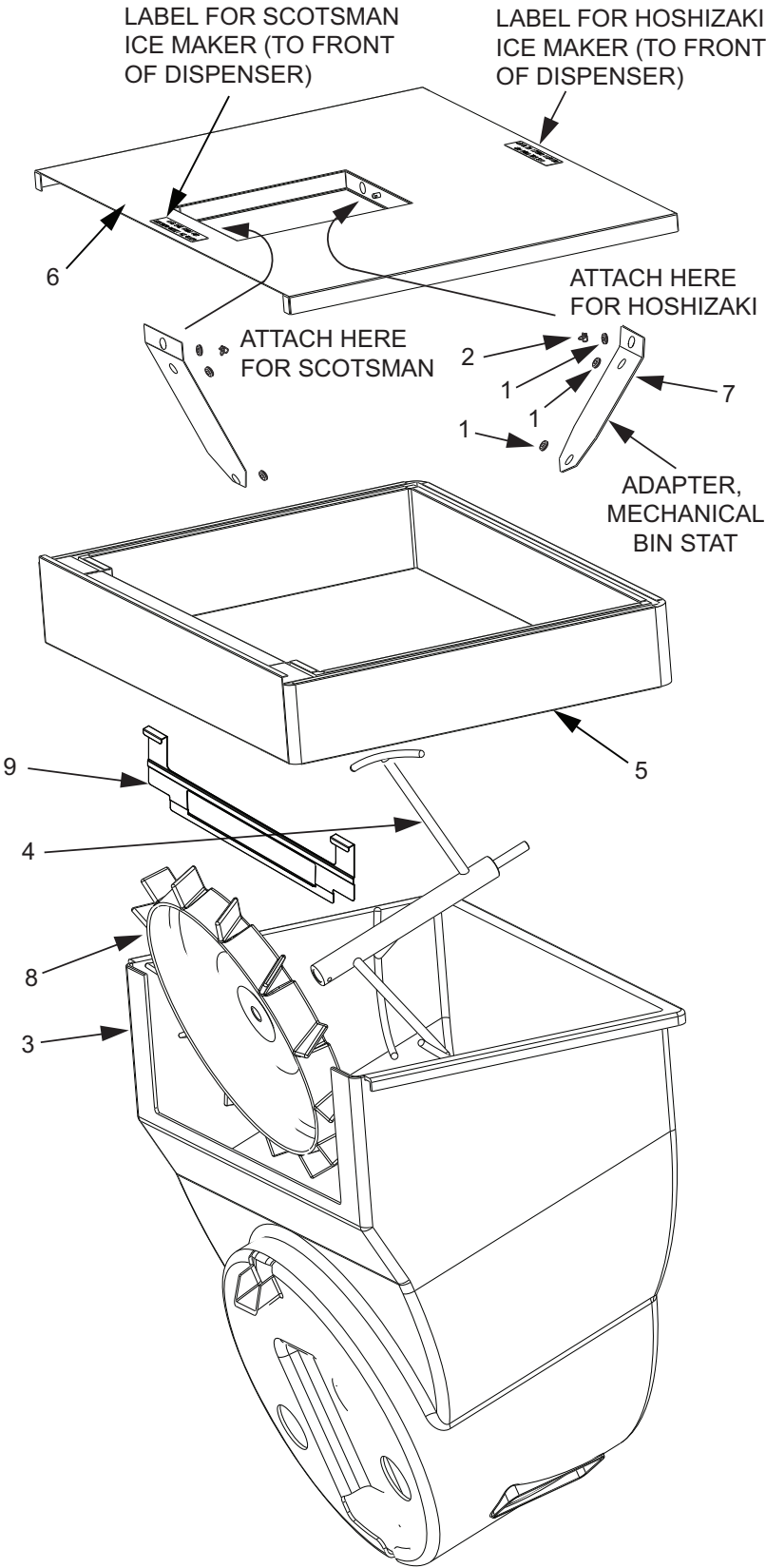
Pellet Ice Dispenser Sub-Assembly Conversion Kit, IBD22, PN: 82-3955

⚠ ATTENTION

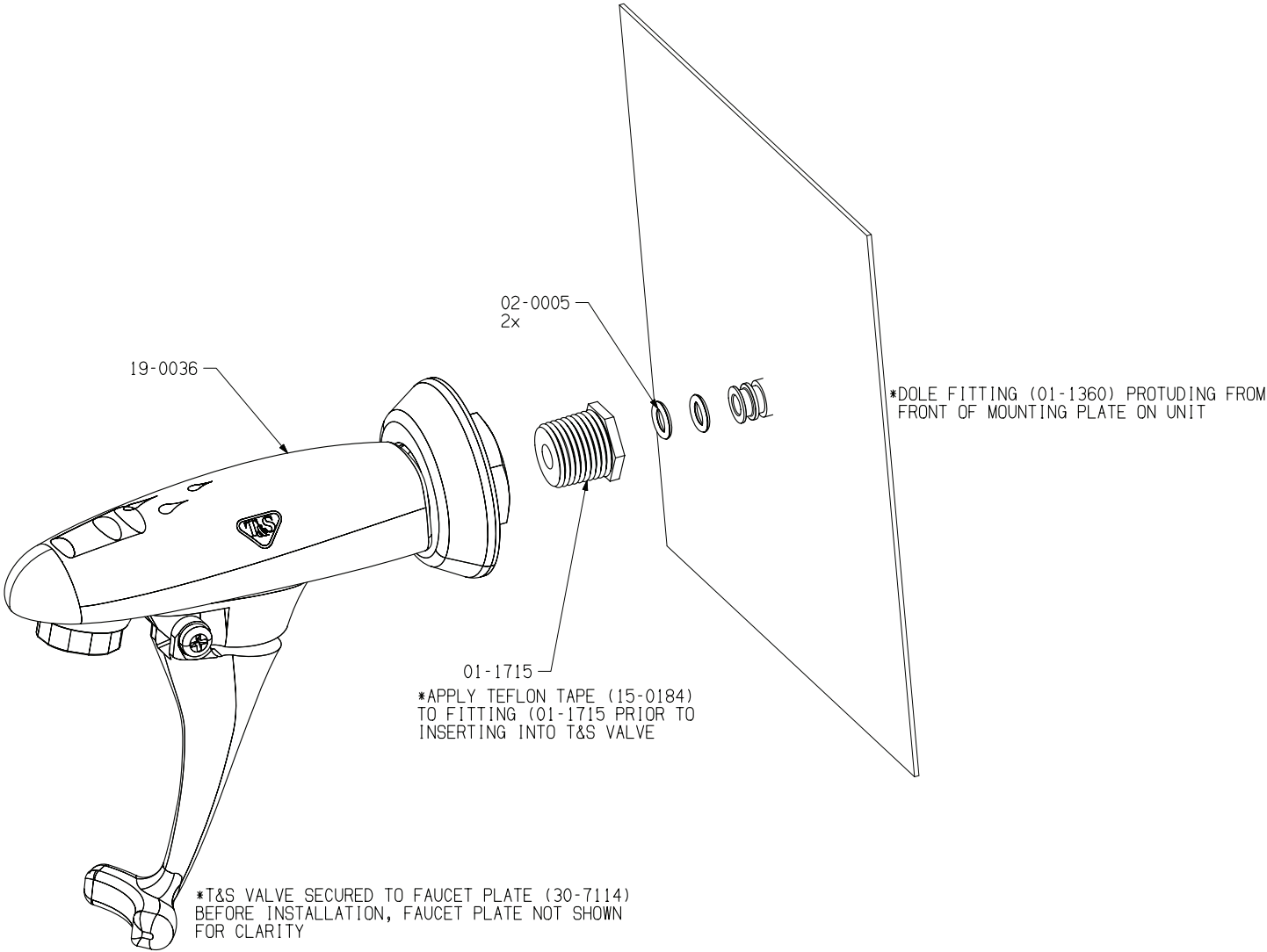
The Pellet Ice Components listed below are to be used *ONLY* in conjunction with Nugget, Cubelet, or Chewblet ice.
LANCER

Item Part No. Description

Pellet Ice



T&S Water Valve Assembly

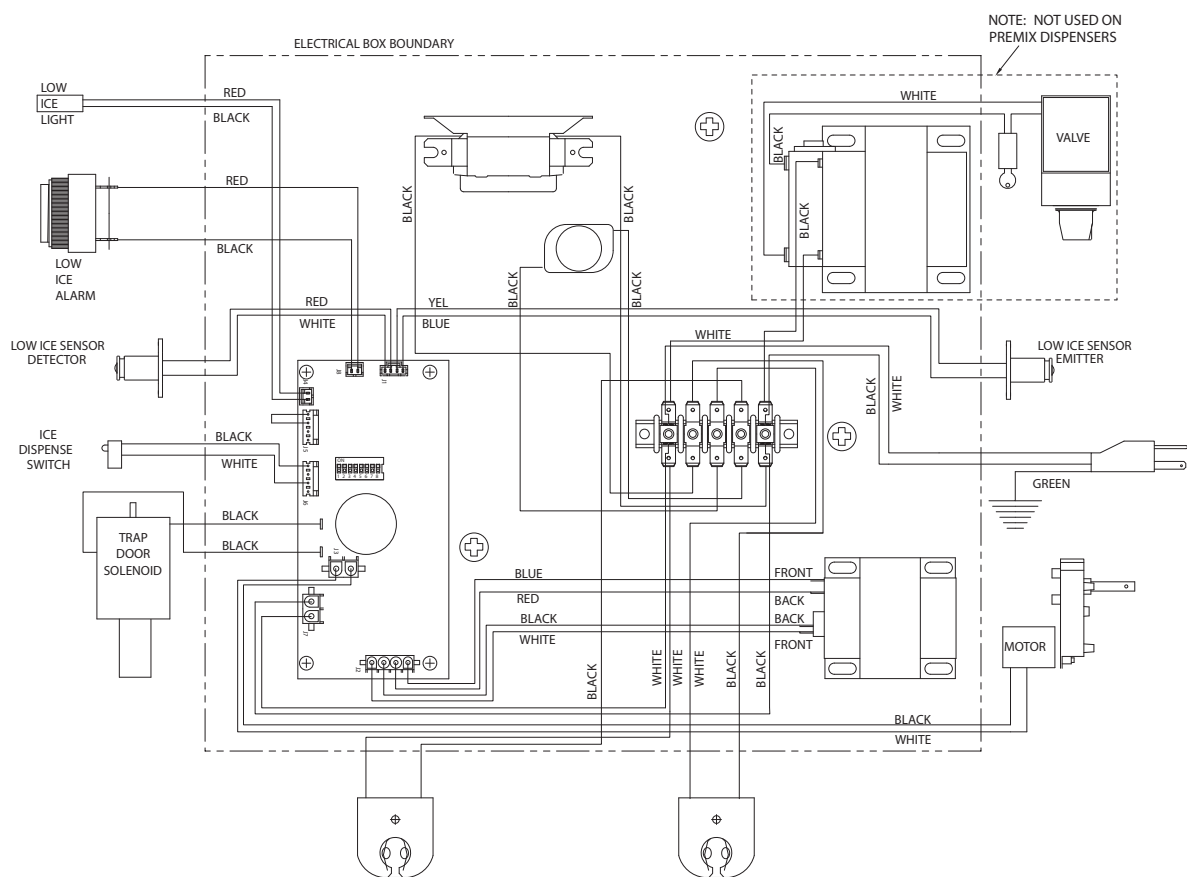


Dispenser Disposal

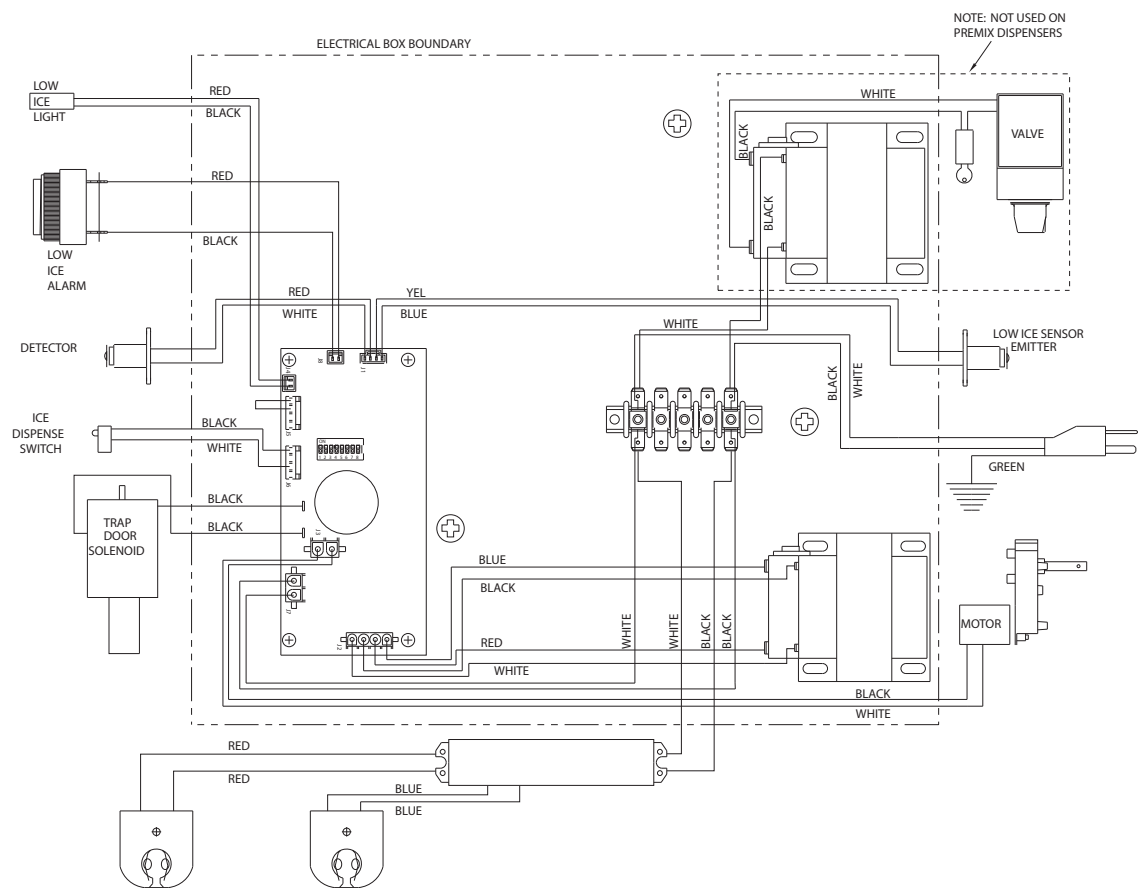


To prevent possible harm to the environment from improper disposal, recycle the unit purchased. Comply with local regulations regarding disposal of the refrigerant and insulation.

Wiring Diagram - 115 Volt / 60 Hz



Wiring Diagram - 230 Volt / 50 Hz



LANCER[®]

Lancer Corp.

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lancercorp.com