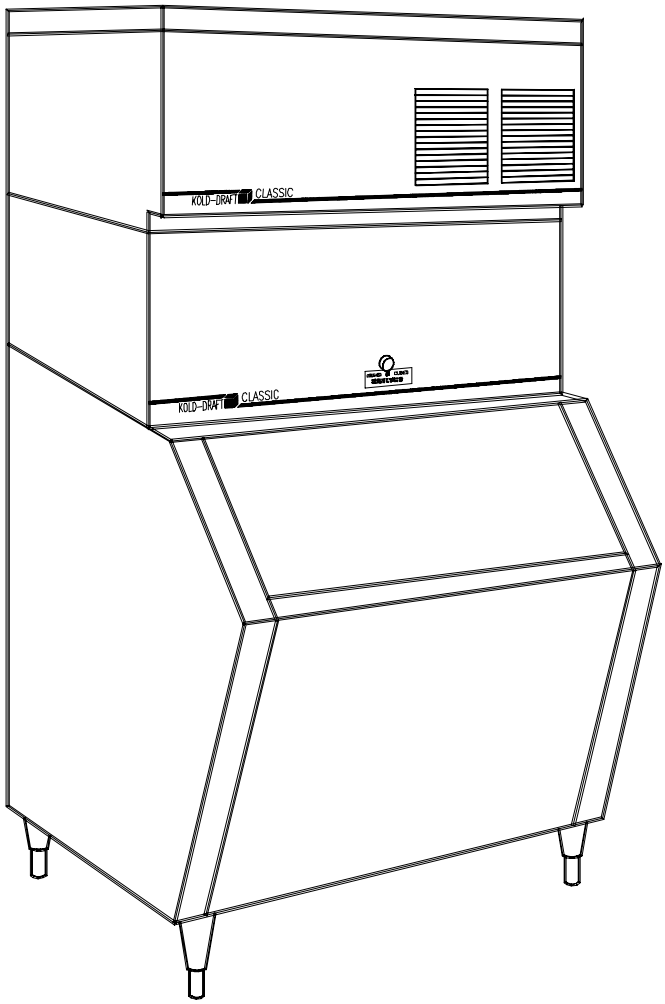
KOLD-DRAFT CLASSIC

T-261 / T-264
ICE CRUSHER

Installation & Operation Instructions



®KOLD-DRAFT
Ice Machine Products

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A Tradition of Excellence In Ice Equipment.

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INSTALLATION AND OPERATION INSTRUCTIONS FOR KOLD-DRAFT® T-261 & T264 ICE CRUSHERS

CHECK FOR FREIGHT DAMAGE BEFORE PROCEEDING: Even though damage to the carton may not have been evident, check for hidden damage and contact freight carrier immediately if necessary to file a claim.

THIS EQUIPMENT MUST BE INSTALLED IN COMPLIANCE WITH THE APPLICABLE FEDERAL, STATE/PROVINCE AND/OR LOCAL PLUMBING, ELECTRICAL AND HEALTH/SANITATION CODES AND REQUIREMENTS.

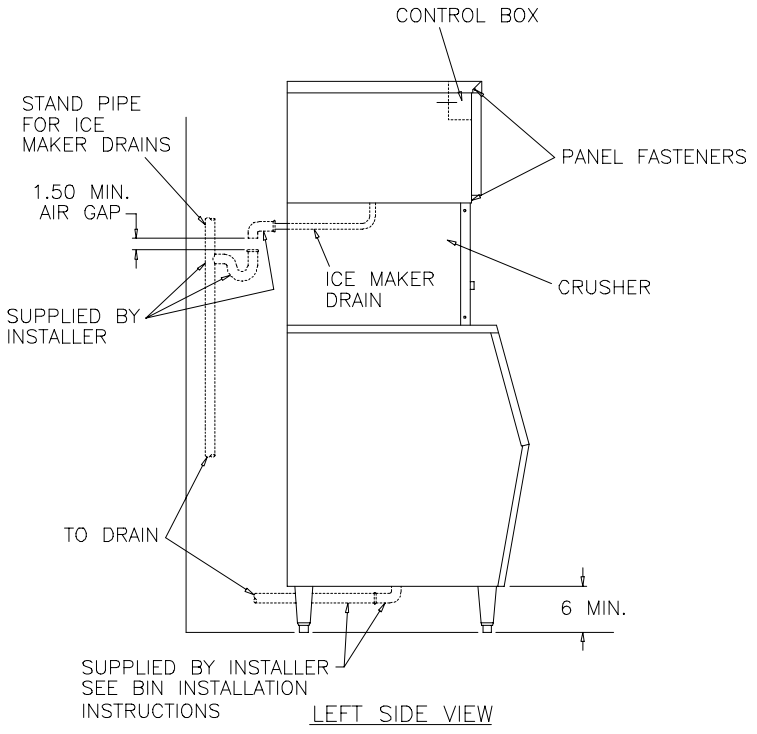
CAUTION:

- RISK OF PERSONAL INJURY, PROPERTY DAMAGE, EQUIPMENT FAILURE OR FIRE.
- Refer all maintenance to qualified personnel.
- Never operate this equipment with covers, panels or other parts removed or not properly secured.
- Warn all users to clean up spillage immediately, keep storage bin doors closed, and report any apparent leakage or unusual sounds to maintenance personnel.
- Proper installation must include KOLD-DRAFT® GB Series Ice Cuber mounted

INSTALLATION

NOTE: Refer to ice cuber instructions before proceeding.

1. Position the ice storage bin maintaining the minimum clearances specified in the cuber instructions.

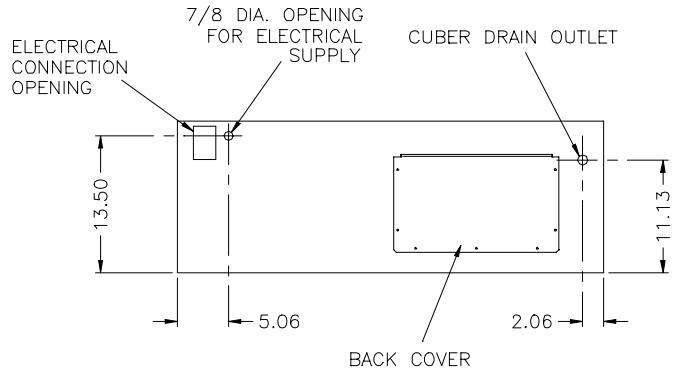


2. Level the bin with adjusters on legs, or by shimming if the bin is to sealed to the floor. If gaps due to shims are greater than 1/8 inch, install a cove molding around the bin bottom. Seal the bin or molding to the floor with NSF Certified RTV sealant (Dow-Corning RTV 732 or equal).
3. Install gasketing on top of bin if required. Gasket material must be positioned so that it extends to the outside edge of the perimeter of the crusher chassis when the crusher is in place.
4. CAREFULLY lift the crusher out of the carton and place onto the gasketed bin. Remove the front cover and note the alignment of the mounting holes in the chassis if mounting means are provided on the bin. Follow the bin installation instructions for securing the crusher to the bin. (**NOTE:** The selector knob must be removed before the front cover can be removed.)

CAUTION:

- ♦ RISK OF PERSONAL INJURY OR EQUIPMENT DAMAGE.
- ♦ Use a suitable lifting means and be careful of sharp edges.

5. Electrical and drain locations are shown below. All dimensions are in inches.



T−261/T−264 CRUSHER

6. If a knockout is not provided, punch an 1-3/32 inch dia. hole in the ice maker condensing unit pan for the crusher control wiring. (See Illustration "A")

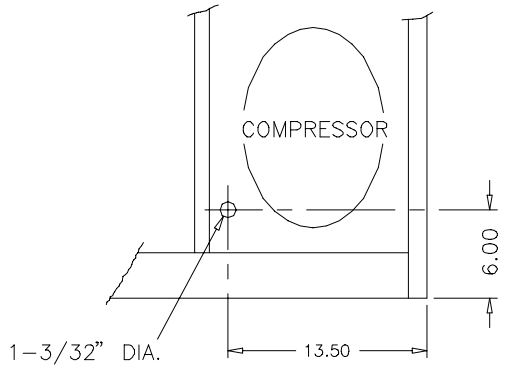


ILLUSTRATION "A"

7. Install gasketing on top of crusher. (See Illustration "B")

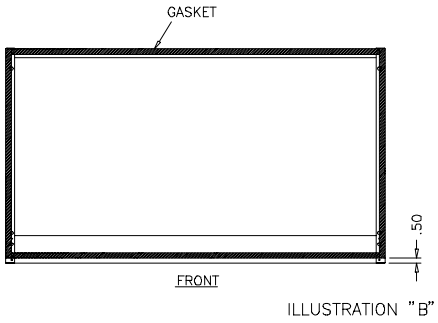


ILLUSTRATION "B"

8. Remove the cuber cabinet panels, lift and position cuber on top of gasketed crusher and align mounting holes. Install cap screws, lockwashers and nuts. (See Illustration "C") **CAUTION:** Support cuber until all fasteners are secured.

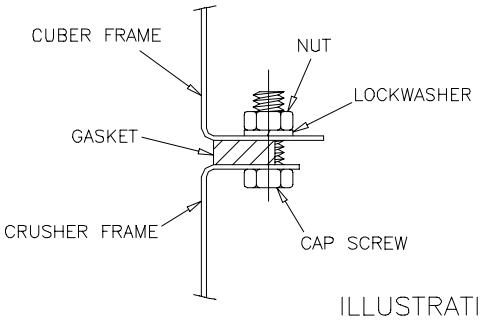


ILLUSTRATION "C"

9. The crusher is designed to operate in conjunction with one or two KOLD-DRAFT® cubers. Two motor control relay blocks are provided and a relay coil must be installed for each cuber used. Each relay coil must have a voltage rating matching the voltage of the ice cuber, regardless of the crusher motor voltage. The relay coils are installed through the opening in the control box, by the installer, and are ordered separately. A third relay is provided for controlling one or two cubers with the same set of bin thermostats. This relay coil voltage rating is matched to the crusher motor voltage and is provided with the crusher.
10. A dual safety switch system is employed in the crusher design to break the circuit to the motor. If either the front panel of the crusher or the front panel of the bottom ice maker is removed, a switch will open the motor circuit. The crusher safety switch is mounted in the crusher control box. The ice maker safety switch must be mounted by the installer. (See Illustration "D") If not provided, locate and drill two 3/16 inch dia. holes in the ice maker lower front rail. Mount the safety switch support with the #8-32 screws and nuts provided.

CAUTION:

- The safety switches ***DO NOT*** de-energize all circuits in the crusher or any circuits in the ice maker. Before cleaning or servicing this equipment, disconnect all power supplies.

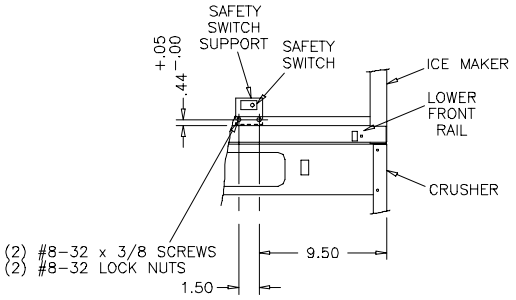
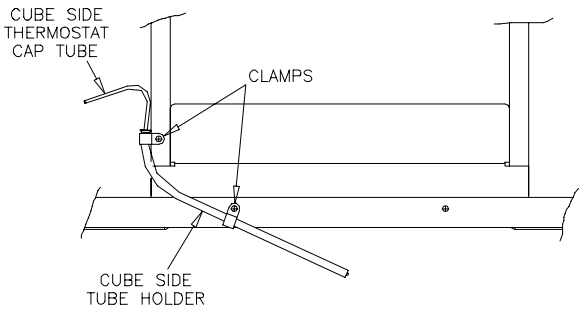


ILLUSTRATION "D"

11. Install a grommet in the 1-3/32 inch dia. hole in the ice maker condensing unit pan. Push the crusher control wire assemblies through the grommet into the ice maker.
12. Connect the safety switch wires from the crusher to the "Common" and "Normally Open" terminals of the cuber safety switch. (See Wiring Diagram)
13. Route the crusher control wires along the right side of the partition wall to a 7/8 inch hole located to the right of the contactor. Install a grommet in the hole and push the wires through.
14. The bin thermostat in the cuber must be disabled and replaced by the two thermostatic switches in the crusher. (See Wiring Diagram)
15. The crushed ice thermostat (left) cap tube is placed into the straight thermostat tube holder. Push the cap tube into the flared end until the cap tube is visible at the straight end. Install the tube holder into the hole in the motor platform directly behind the crusher motor.
16. The cube ice thermostat (right) cap tube is placed into the bent thermostat tube holder. Mount the tube holder as shown. (See Illustration "E") Tighten clamp screws. Adjust thermostats to shut off the cuber approximately 1 minute after ice contacts the tube holders.



RIGHT SIDE VIEW OF HOPPER
(CUBE OUTLET)

CAUTION:

- Route bin thermostat cap tubes away from moving parts.

INSTALLATION SPECIFICATIONS

The T-261 is wired, at the factory, for 100-120 volt 50/60 hz. operation.
The T-264 is wired for 200-240 volt 50/60 hz. operation.

CAUTION:

- Risk of property damage, equipment failure or fire. Comply with all installation specifications for safe operation.

Refer to equipment name plate data for current value and maximum fuse size. This unit must be provided with a separate, properly protected circuit with no other loads. A fused disconnect installed adjacent to the crusher is recommended (must be supplied by installer), and may be required by local codes.

Crushers are intended for indoor use only with permanent connection to a field electrical supply. All models are intended to be installed only in conjunction with KOLD-DRAFT® cubers on KOLD-DRAFT® bins.

CRUSHER OPERATION

With the crusher knob in the "CRUSHED" position, ice falling from the cuber will be directed by the selector plate through the crusher mechanism and deposited into the left side of the bin.

The crusher motor is powered through a relay which is energized by the red circuit of the ice maker. The selector knob must be in the "CRUSHED" position to close a switch and complete the circuit to the motor. Additionally, the front panel safety switches must be depressed (covers on) for motor operation.

With the crusher knob in the "CUBE" position, ice falling from the cuber will bypass the crusher mechanism and be dumped into the right side of the bin. The crusher motor will not be energized.

CRUSHER MAINTENANCE

Every 6 Months Minimum

CLEANING

CAUTION:

- Risk of personal injury, equipment damage or contamination of the ice bin.
- Do not use ammonia solutions or strong detergents in cleaning the crusher.
- Never use appliance polishes, finish preservatives or cleaners in areas that could contact ice.
- Disconnect power before cleaning or servicing unit.

Always clean the ice maker first, following the ice maker cleaning instructions.

Remove all ice from the bin before starting the cleaning procedure.

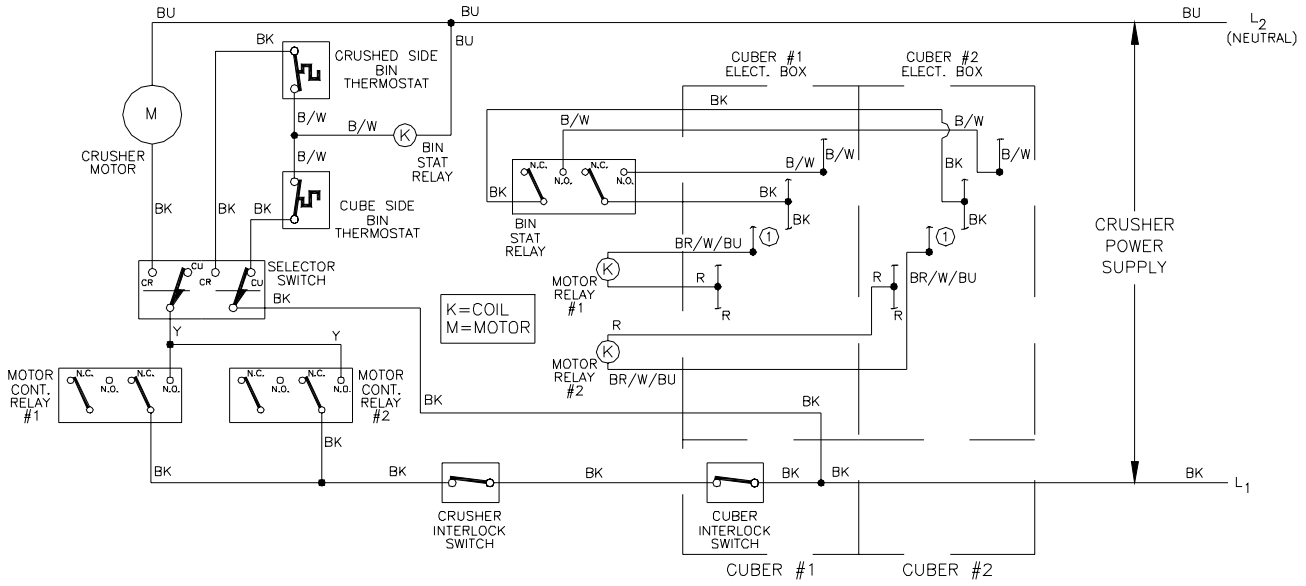
Clean and sanitize storage bin last.

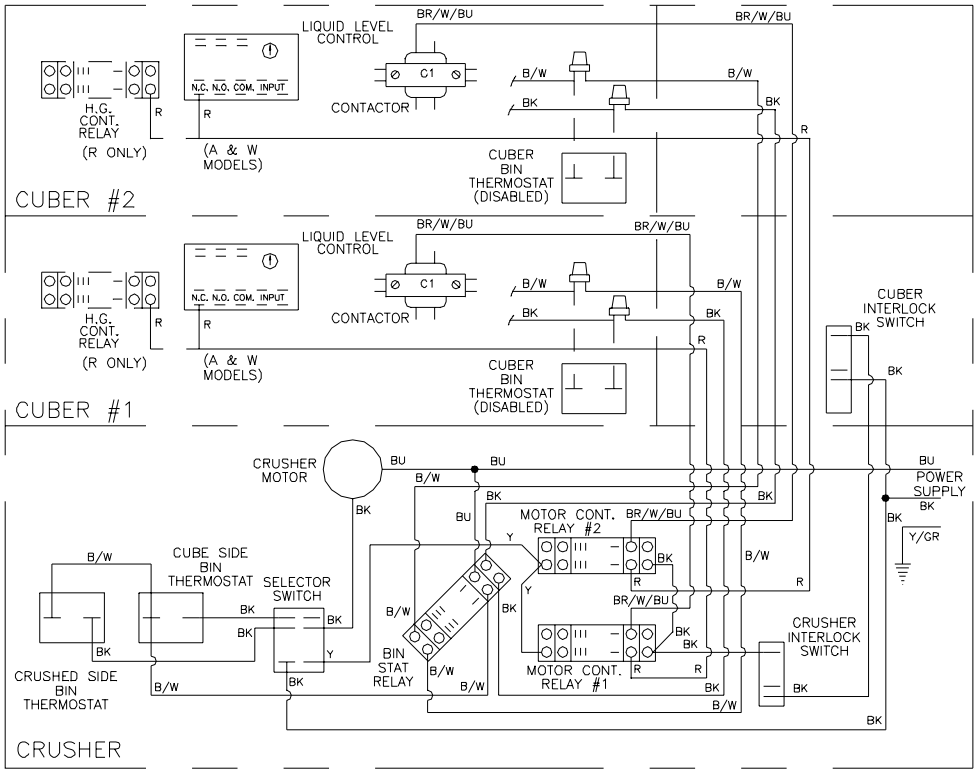
1. Remove ice maker panels, ice chute, drain pan, crusher front panel and belt guard.
2. Wash interior with a solution of 2 tablespoons of baking soda per quart of clean water (140 deg. F. max.). The crusher ice hopper can be accessed from the front and left side of the ice cuber. Use a long handled brush to clean inside the hopper, as crusher teeth can cause injury.
3. The bottom area of the crusher ice hopper can be accessed from inside the ice bin. Use a long handled brush.
4. Wipe down internal cabinet walls with a cloth soaked in cleaning solution.
5. Rinse with clean tap water.
6. Sanitize all ice contact surfaces with a solution of 1 teaspoon 5-1/4% sodium hypochlorite (chlorine bleach) per quart of clean tap water (minimum 100 PPM free chlorine). A spray bottle will facilitate this process.
7. Pour the remaining solution into the crusher chute, slowly, while rotating the cutter wheel by hand turning the pulley.
8. After adjusting and lubricating crusher (See following section), replace all enclosure panels and connect the electrical supply.
9. Exterior surfaces may be cleaned by standard methods suitable to the stainless steel finish.

ADJUSTMENT AND LUBRICATION

1. Oil the crusher motor (if ports are provided) and grease the shaft bearings. (Do not over-lubricate)
2. Check the belt and pulleys for excessive wear. Adjust the belt tension to deflect 1/4 inch with two pounds applied to the center of the span.
3. Tighten any loose set screws, machine screws, nuts and electrical connections.

ICE CRUSHER
WIRING DIAGRAMS
T-250/T-251 SERIES
T-261/T-264 SERIES





ICE MAKER VOLTAGE	① WIRE COLOR
115 V.-60 HZ.	WHITE
220-240 V.-50 HZ.	BLUE
208-230 V.-60 HZ.	BROWN

COLOR CODE	
BK	BLACK
B/W	BLACK/WHITE
BU	BLUE
BR/W/BU	BROWN/WHITE/BLUE
R	RED
Y	YELLOW
Y/GR	YELLOW/GREEN

MODEL	ELECTRICAL RATING
T250	200-240V./50-60HZ.
T251	100-120V./50-60HZ.
T261	100-120V./50-60HZ.
T264	200-240V./50-60HZ.