

# SD55 and SD110 CLEANING INSTRUCTIONS

## CLEANING AND SANITIZING ICE BIN

**IMPORTANT: Only qualified personnel should perform cleaning and sanitizing procedure.**

The ice bin interior should be cleaned and sanitized every 90-days following Sanitizer Manufacturer's recommendations. Use Chlor-Tergent (Oakite Products Inc.) or equivalent sanitizer. Follow Sanitizer Manufacturer's application instructions, and warning labels.



**WARNING: Ice bin contains hazardous moving part.**

1. Unplug unit power cord from electrical outlet.
2. Remove ice bin cover.
3. Using warm water, melt ice inside ice bin.
4. Remove ice chute by removing screws. Remove agitator assembly from inside ice by lifting straight up.

**CAUTION: DO NOT USE CHLORINE CLEANSING POWDERS FOR CLEANING. Use of chlorine cleaning powders will cause corrosive action on ice bin walls and metal components inside ice bin.**

**NOTE: Lime and scale deposits may be removed from ice bin walls and metal components inside bin by using a cleaner such as Scotsman Ice Machine Cleaner.**

5. Using a nylon brush (DO NOT USE WIRE BRUSH) and detergent soap solution, scrub the interior surfaces of the ice bin, sink, ice discharge chute and top rim of ice bin.
6. Rinse ice bin interior with plain water.
7. Using a nylon brush (DO NOT USE WIRE BRUSH) and detergent soap solution, scrub all the parts of ice chute as well as the ice bin cover, thumb screws, and agitator assembly.

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8. Rinse all the loose parts cleaned in step 7 with plain water.
9. In a five gallon bucket, mix a sanitizing solution of 4 ounces Chlor-Tergent (Oakite Products Inc.) and 4 gallons of warm (90-120° F.) water. Place all small loose parts into the sanitizer and allow them to soak for 10 to 15 minutes. (Thumb screws, shelf, drain grill, ice chute and cut off assembly.)
10. In a second five gallon bucket mix a sanitizing solution of 4 ounces Chlor-Tergent (Oakite Products Inc.) and 4 gallons of warm (90-120° F.) water. Using a nylon brush and the sanitizing solution, sanitize the interior surfaces of the ice bin, ice discharge chute, top rim of ice bin, bin cover, rotator assembly, bottom washer, and ring and hub assembly. Allow to air dry.
11. Using the end of a wash cloth, plug up the drain opening.
12. Reassemble the agitator assembly.
13. Remove wash cloth from drain and allow sanitizer to drain away.
14. Install drain grill.
15. Install agitator assembly.
16. Install ice chute using 2 thumb screws.
17. Using a mechanical spray bottle and the remaining sanitizer, spray all surfaces handled during reassembly of items 22 through 25. Allow to air dry.
18. Fill bin with ice as instructed.
19. Replace bin cover.
20. Plug power cord into electrical outlet.

# **SD55 and SD110 FOR THE INSTALLER**

## **SERVICE MANUAL FOR SANITARY ICE DISPENSER MODELS SD-55 and SD-110**

### **PRINCIPLES OF OPERATION**

The Scotsman Automatic Ice Dispenser utilizes an efficient and sanitary method for dispensing cracked, or cubelet ice. By filling the dispenser with 55 or 110 lbs. of ice, time is saved on the handling of ice from YOU to the customer. By lightly pressing a cup, glass or pitcher against the operating lever, ice drops directly into the cup, glass or pitcher, thus providing sanitary automatic dispensing with only one-hand operation. Note: This dispenser will not dispense flaked ice.

### **INSTALLATION INSTRUCTIONS**

Dispenser should be installed as level as possible to maintain a proper draining of ice melt down. Connect to the ½" pipe drain fitting, which is located in back of cabinet, install rigid drain using ½" or larger tubing. Drain line must be pitched downward to an open drain, allowing no traps, as this is a gravity-flow drain. Connect power cord to ground-type prong receptacle, 115 volt, single phase, 60 cycle. Model SD-55 and Model SD-110 draw 3.0 Amps. Unit is now ready for test operation.

### **FOR THE USER**

#### **GENERAL OPERATING INSTRUCTIONS**

Fill hopper with ice. To dispense a steady flow of ice, press operating lever in front of cabinet. Unit will dispense ice until lever is released or storage bin is empty.

Periodically, check the storage bin for ice level, and clean sink of accumulated ice as required.

# SD55 and SD110 SERVICE DIAGNOSIS

## SERVICE MANUAL FOR SCOTSMAN AUTOMATIC ICE DISPENSER MODELS SD-55 and SD-110

### SERVICE PROBLEMS, CAUSES, AND SOLUTIONS

Problem:

Failure to dispense ice.

Cause:

- A) Power failure
- B) Broken agitator motor or defective motor run capacitor
- C) Defective dispensing micro switch behind operating lever

Solution:

- A) Check power source.
- B) Check agitator motor for broken gears or shaft; check capacitor for wire connections at terminals, or defective run capacitor.
- C) Check dispensing switch for sticking or open contacts and for sticking button.
- D) Check power to solenoid.

Problem:

Ice dispensing continuously.

Cause:

- A) Stuck dispensing switch behind operating lever at panel.

Solution:

- A) Check dispensing switch for sticking or welded-together contacts.

# SD55 and SD110 REMOVAL AND REPLACEMENT

## WARNING

Unplug unit prior to beginning removal and replacement procedures.

Dispenser Door Assembly.

1. Remove upper front panel.
2. Remove cotter pin, and small rod from door.
3. Unscrew door hinge from mounting plate, and remove assembly.
4. Reverse to reassemble.

Spring for Door Assembly.

1. Do steps 1 - 3 above.
2. Remove C clip from door rod, pull rod out, remove spring.
3. Install new spring. NOTE: Spring must be preloaded prior to insertion. Wind it up against its tension, so that it will push the door closed tightly.
4. Reverse steps 1 - 3 to reassembly.

Gear Motor Assembly.

1. Remove splash panel.
2. Remove agitator.
3. Remove 4 Allen head screws mounting gearmotor to hopper.
4. Remove 3 screws securing mounting plate to motor.
5. Remove gearmotor heater.
6. Disconnect electrical leads at control box.
7. Check shaft seal in hopper. Replace if required by:
  - a. Scraping away the insulation.
  - b. Pry out the old seal.
  - c. Snap the new seal into the groove molded in the hopper, seal with silicone rubber at the outside edge.
8. Reverse steps 1 - 7 to reassemble. Use new foam seals.