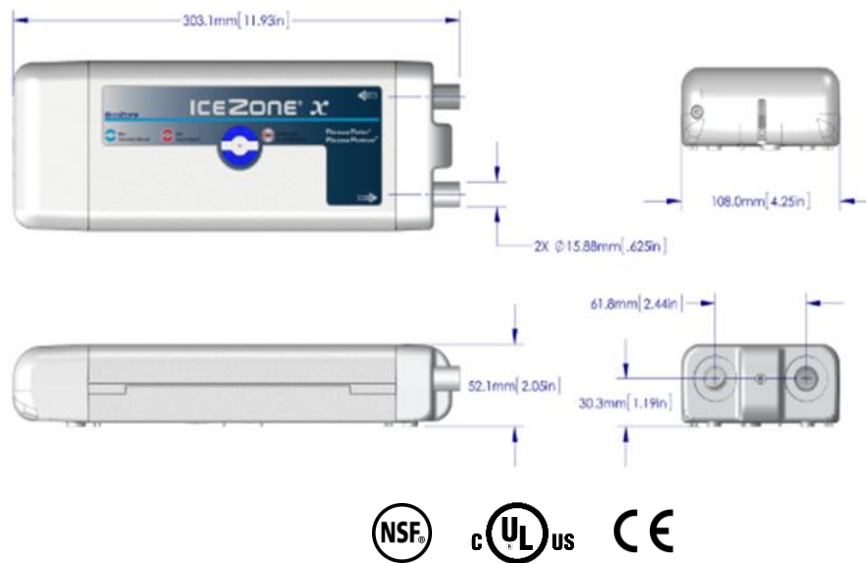


Scotsman XSafe Sanitation System for Bacteria and Virus Elimination

Installation for Scotsman Prodigy Cubers



This guide will show the steps to install Scotsman XSafe® on the Scotsman Prodigy Cube making Ice Machines. Please review the entire instructions prior to installation



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Caution: Installation should be done by a qualified technician using appropriate safety equipment and procedures.

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Follow the manufacturers guidelines for cleaning the ice machine and bin thoroughly.

Before installing XSafe, clean and sanitize the interior of the ice machine and water dispenser thoroughly according to the manufacturer's guidelines. All surfaces should be free of slime and scale before starting the installation.



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Recommended Tools

Hand Drill

Phillips (+) Screw Driver

1 inch (25mm) Hole Saw

1/8 inch drill bit

Hose Cutter or Utility Knife

1 ¼ " Crescent Wrench

Tape Measure

Permanent Marker

File, Knife, or Side cutters to de-burr holes

Step Ladder

Personal Protective Equipment (Gloves, Glasses, etc.)



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Before working on the ice machine, the ice in the bin must be removed.

Turn the ice machine power to off or unplug the unit.

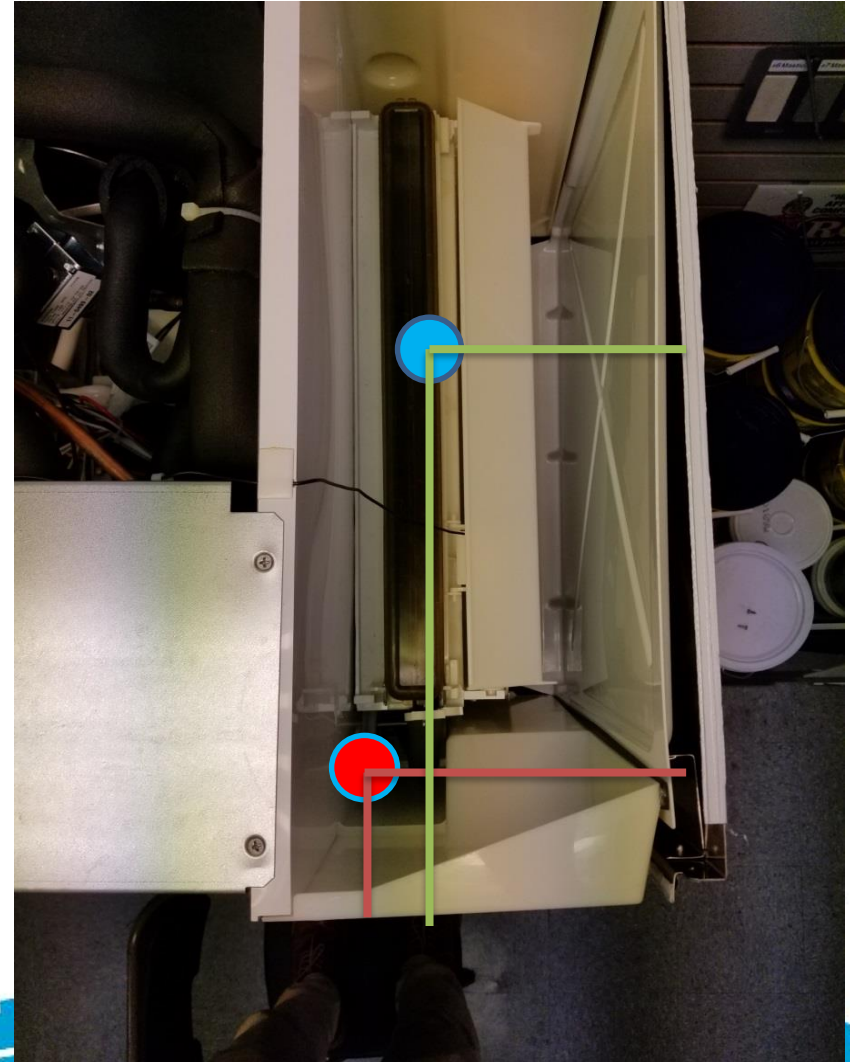


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Measure from outside of the front wall to center of the evaporator and from the outside side wall to the center.

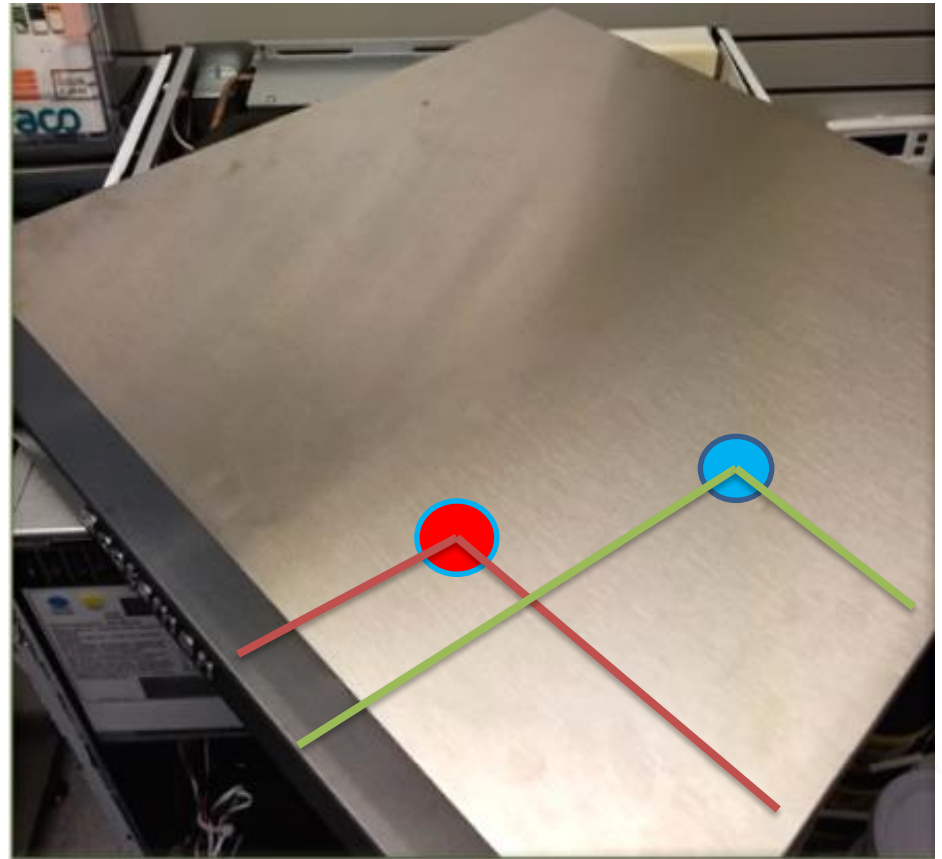
Measure from the outside of the front wall to the center of the open space, next to the evaporator. Then from the outside of the side wall.



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Using the measurements, mark the locations for the supply and return fittings.

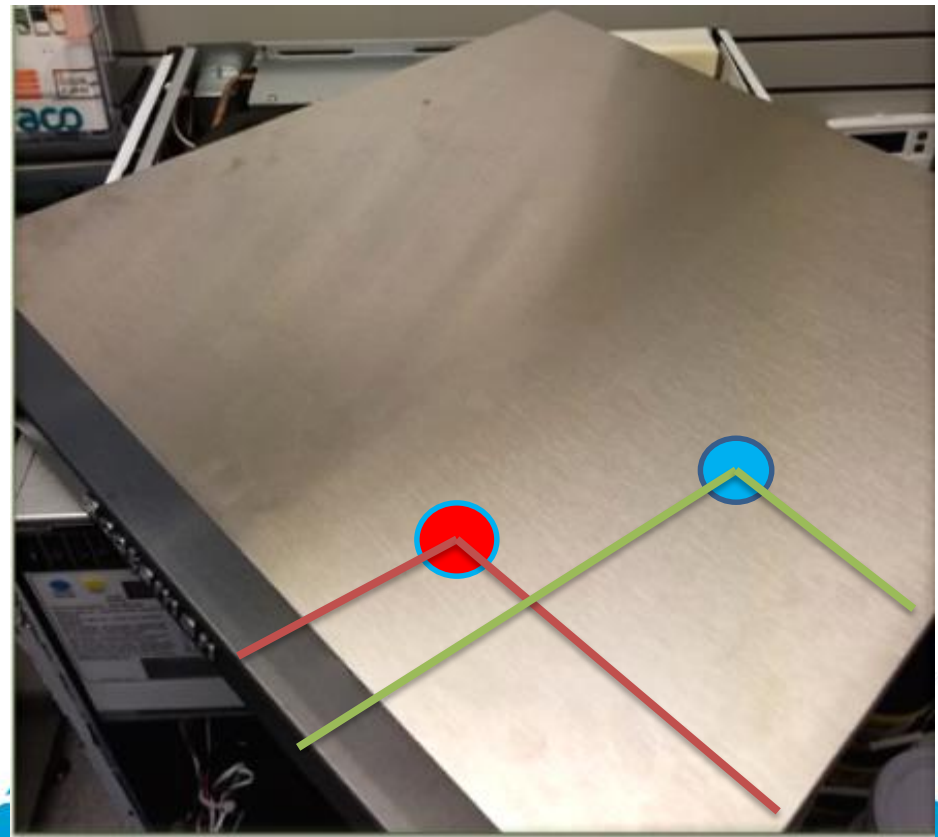
REMOVE THE TOP COVER FROM THE ICE MACHINE BEFORE DRILLING



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Drill one inch (25mm) hole in the top cover of the ice machine. Install single barbed bulkhead fitting for the supply from the IceZone-X. Use two white gaskets and two nuts. No threads should be exposed inside of the ice production area.

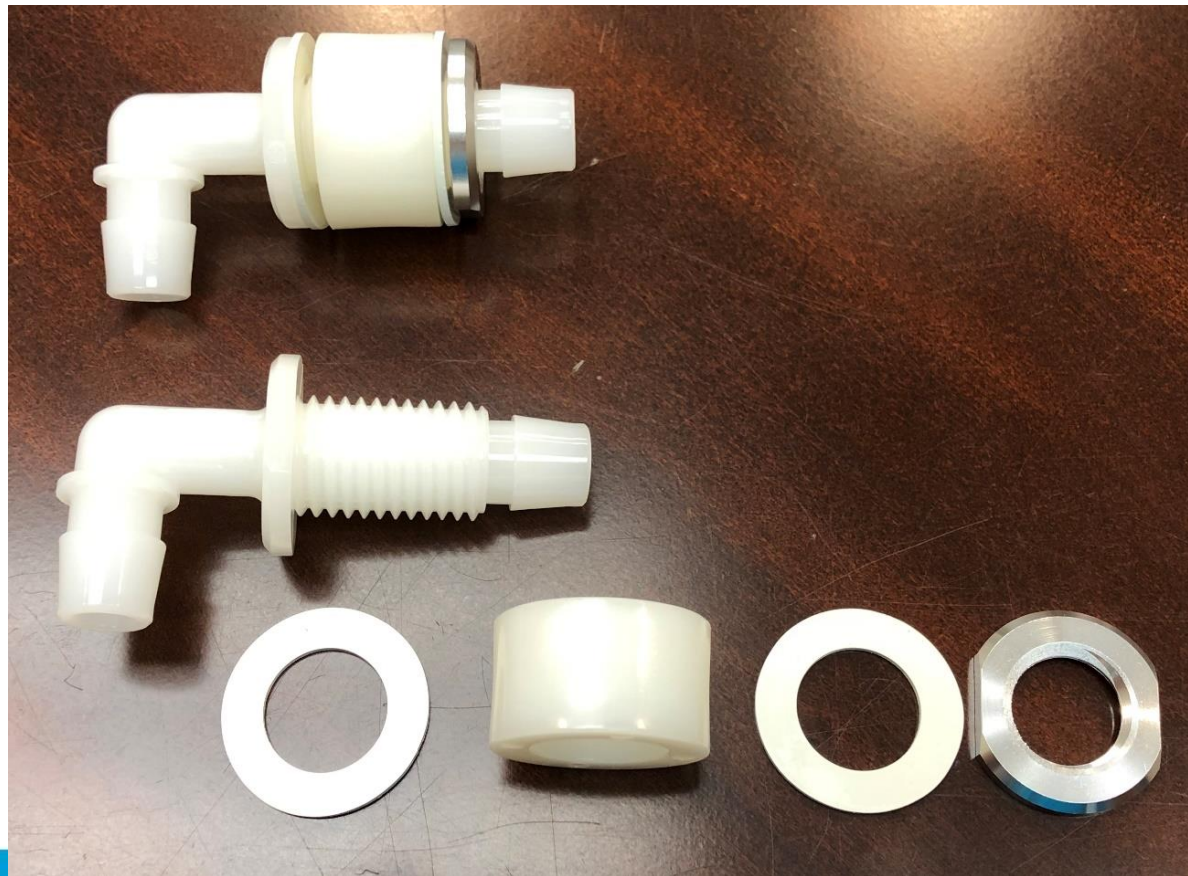
Drill one inch (25mm) hole in the top cover of the ice machine. Install double barbed bulkhead fitting for the return to the IceZone-X. Use two white gaskets and two nuts. No threads should be exposed inside of the ice production area.



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Assemble the supply fitting as shown

This includes the 90° bulkhead fitting, low profile nut and a white rubber washers.



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Install the supply fitting as shown.

This includes a low profile nut and white rubber Washer (insulation spacer is used on units without insulation under the top cover).

There should be no exposed threads on the interior surface of the lid per NSF guidelines.



Scotsman XSafe Sanitation System

Assemble the return fitting as shown.

This includes a 90° bulkhead fitting, low profile nut and white rubber washers.

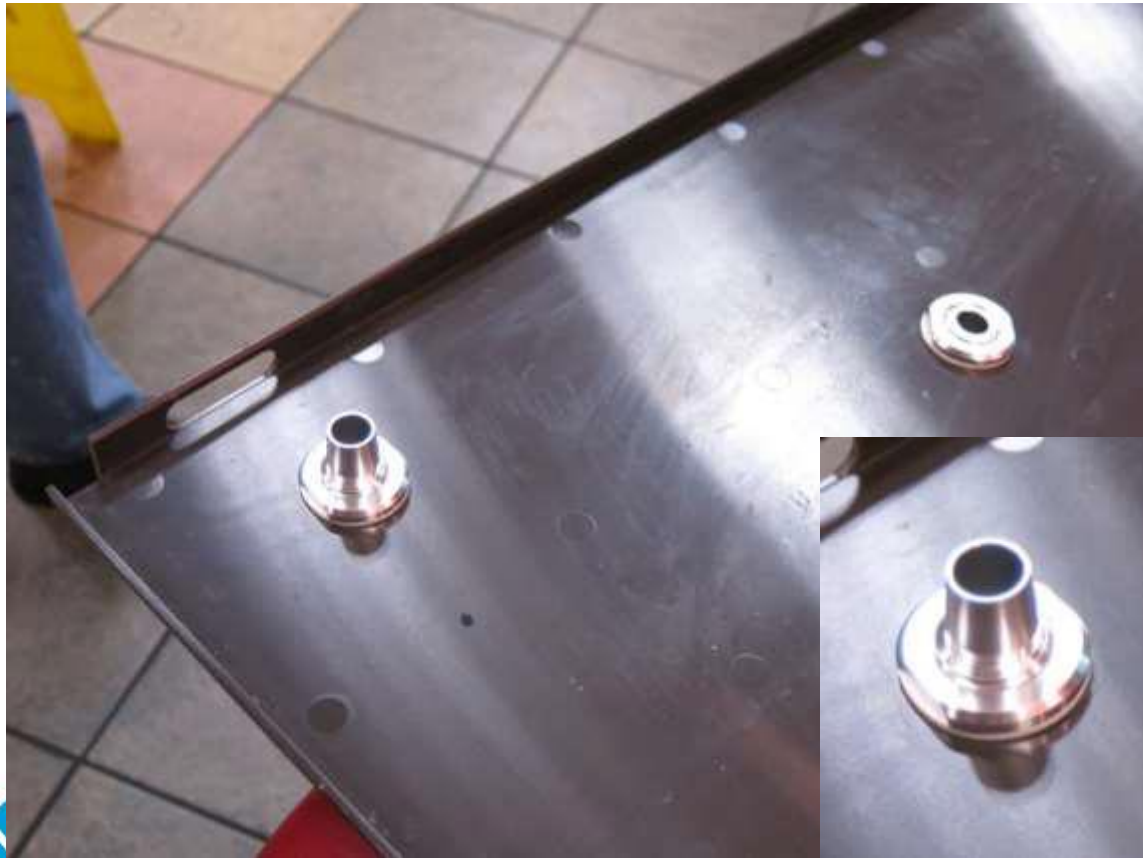


Scotsman XSafe Sanitation System

Install the supply fitting as shown.

This includes a low profile nut and white rubber washer.

There should be no exposed threads on the interior surface of the lid per NSF guidelines.



Scotsman XSafe Sanitation System

Remove the service cover from the XSafe® unit.

This provides access to the lamp, power input and mounting boss.

As the screw is removed from the cover, be sure to keep it with the cover so it is available for re-assembly.



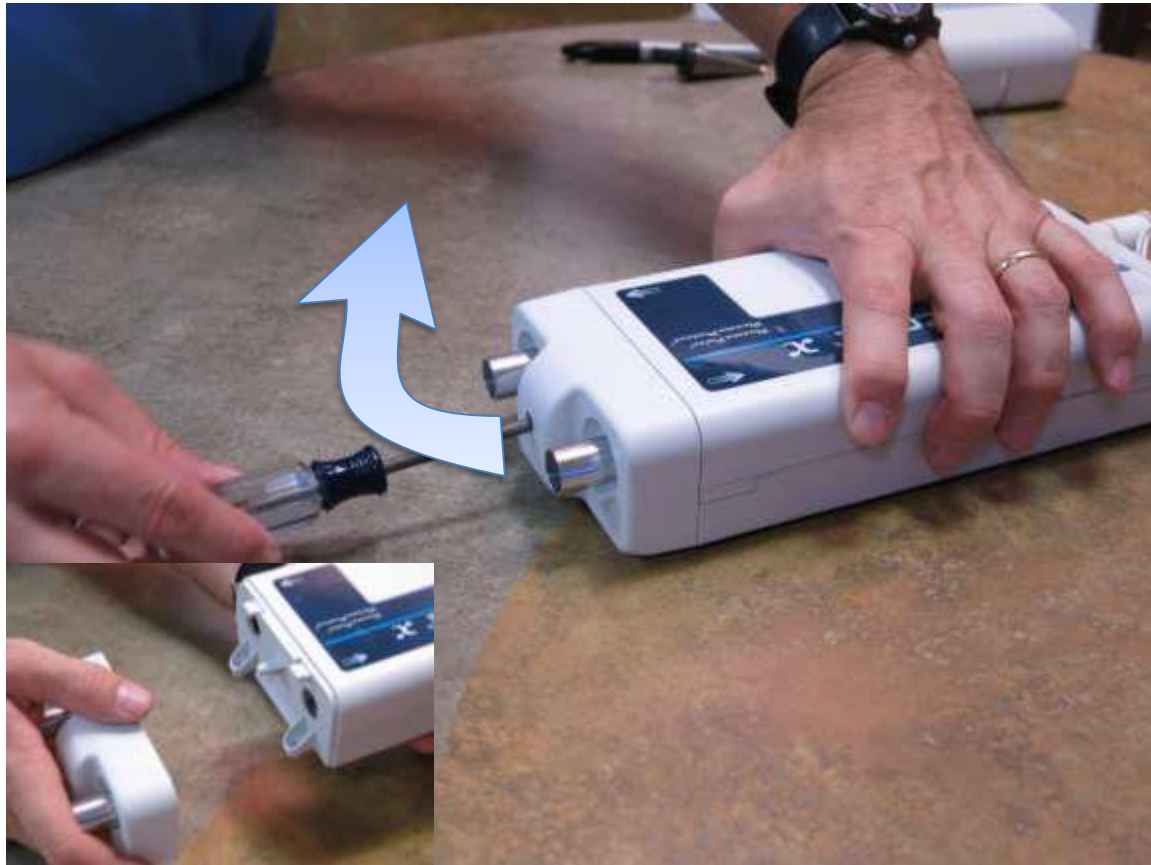
Scotsman XSafe Sanitation System

Remove the
Input/Output cover from
the XSafe® unit.

This provides access to
additional mounting bosses.

As the screw is removed
from the cover, be sure
to keep it with the cover
so it is available for reassembly.

The cover requires a firm
pull while rotating
towards the top for removal



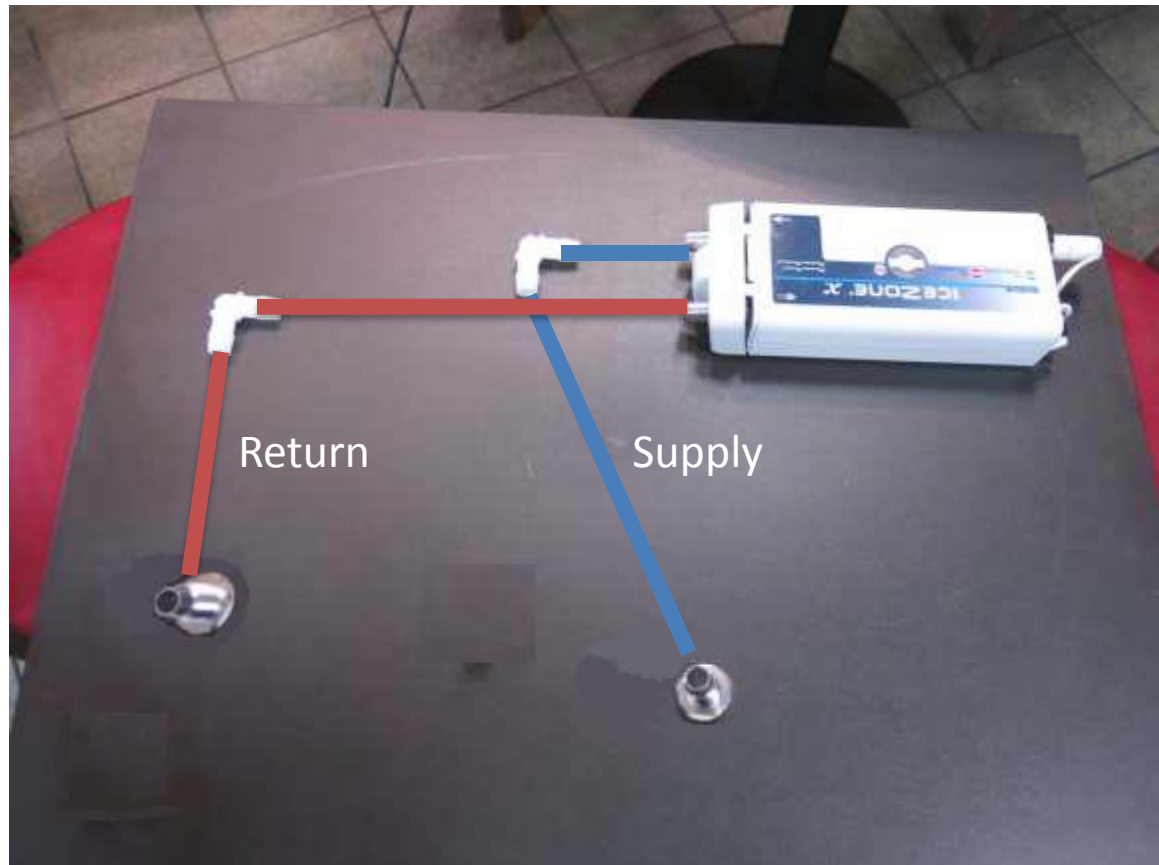
Scotsman XSafe Sanitation System

Place the XSafe® Unit on the lid and layout the routing of the supply and return tubing.

The XSafe® Unit should be placed in the back left corner of the cover (*looking at the front of the ice machine*)

Place the 90 degree hose Barbs in place to visualize the routing.

Observe the flow direction arrows on the XSafe® Unit.



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Mark the holes to mount the XSafe® Unit on the lid.

Use a pen to locate the three mounting holes.



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Drill the holes to mount the XSafe® Unit on the lid.

Drill three 1/8" holes.



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Place the mounting rivets or self drilling screws into the mounting holes.



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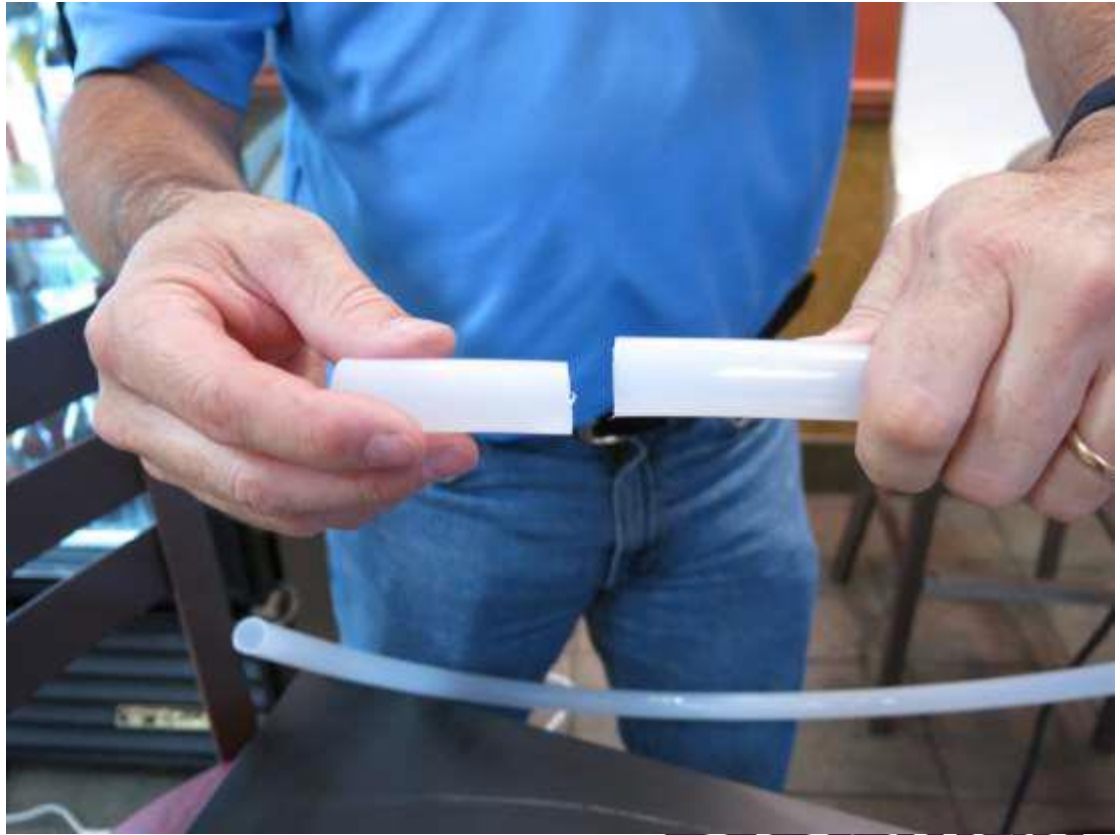
Re-attach the Input/Output cover and secure with the original screw.



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Cut two 2.5 inch pieces of tubing to connect the supply and return fittings to the 90 degree hose barbs.

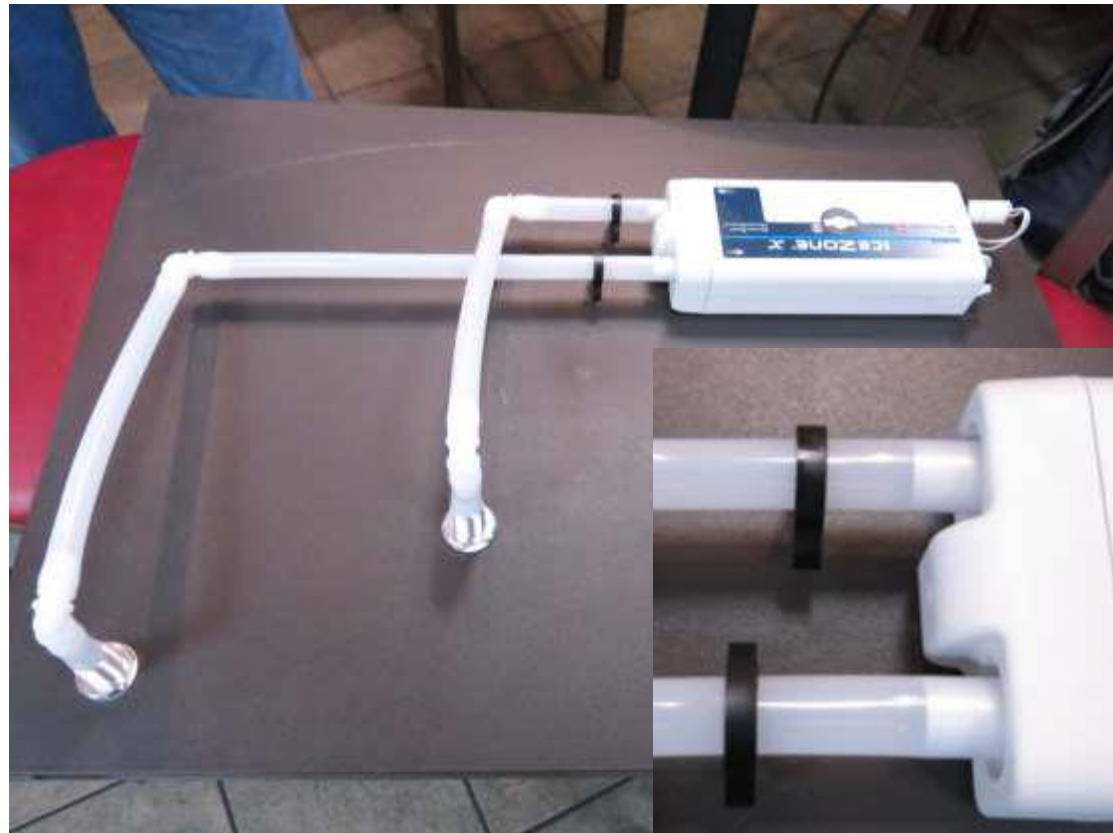


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Cut and assemble the remaining supply and return tubing and fittings. There should be 12" of unused tubing.

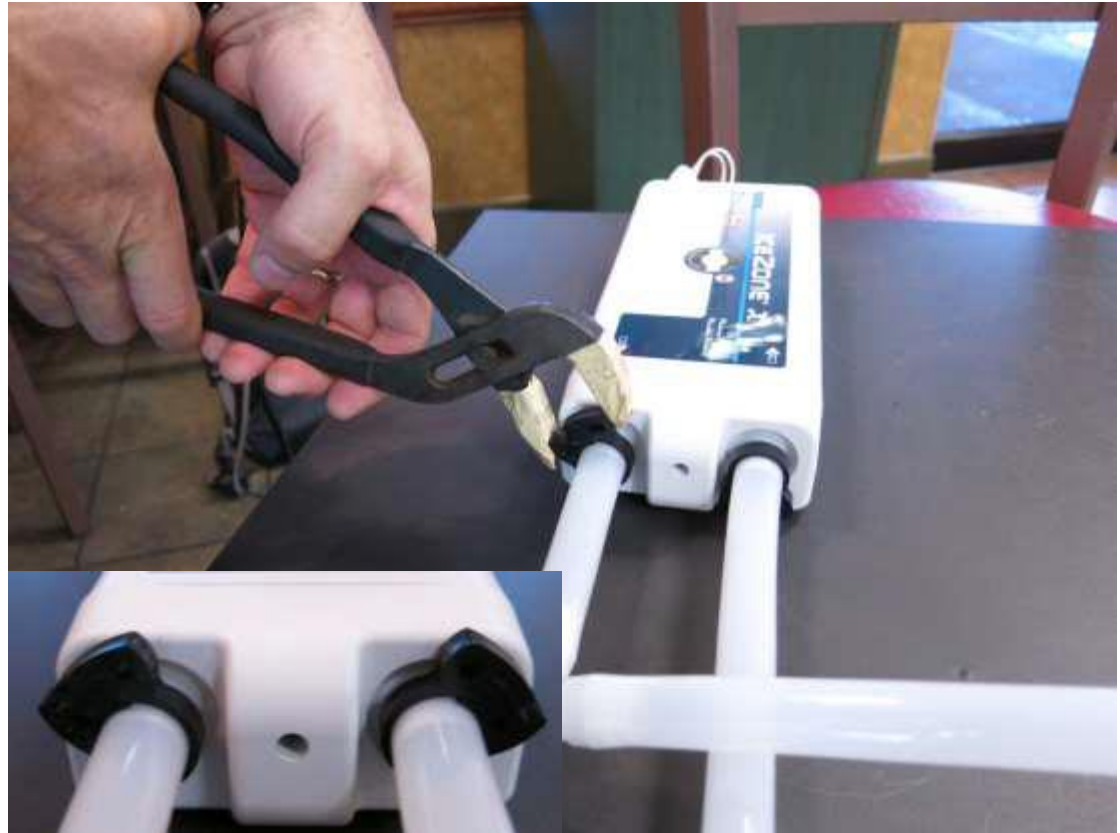
Place the handy clamps (black) on the tubing which is placed over the ports on the IceZone® Unit.

Installer's Tip: Heating the tubing in hot water eases the installation of the tubing onto the fittings.



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Tighten the handy clamps with a pliers to secure the tubing on the XSafe® unit.



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Insert the DC plug from the wall adapter through the “P” shaped hole in the service cover.

Plug the DC connector into the XSafe® Unit's power input plug.



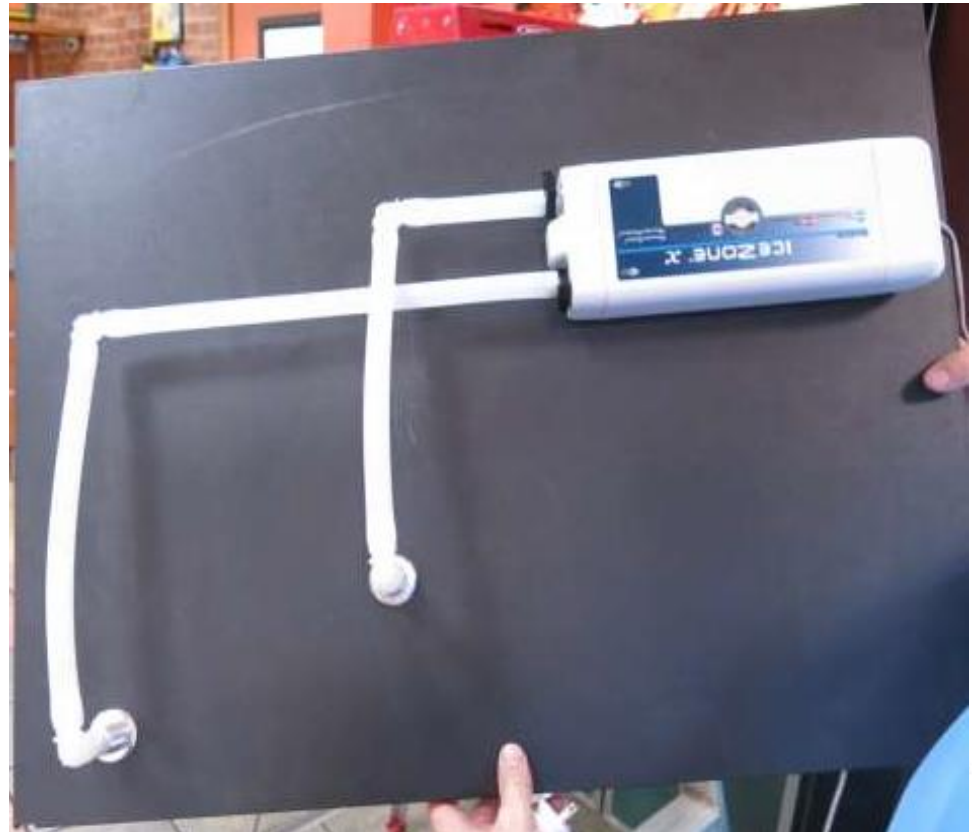
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Reinstall the service cover and secure with the original screw.



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The completed installation on the cover should look similar to the picture shown.



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Install the top cover .

The completed installation on the top cover should look similar to the picture shown.



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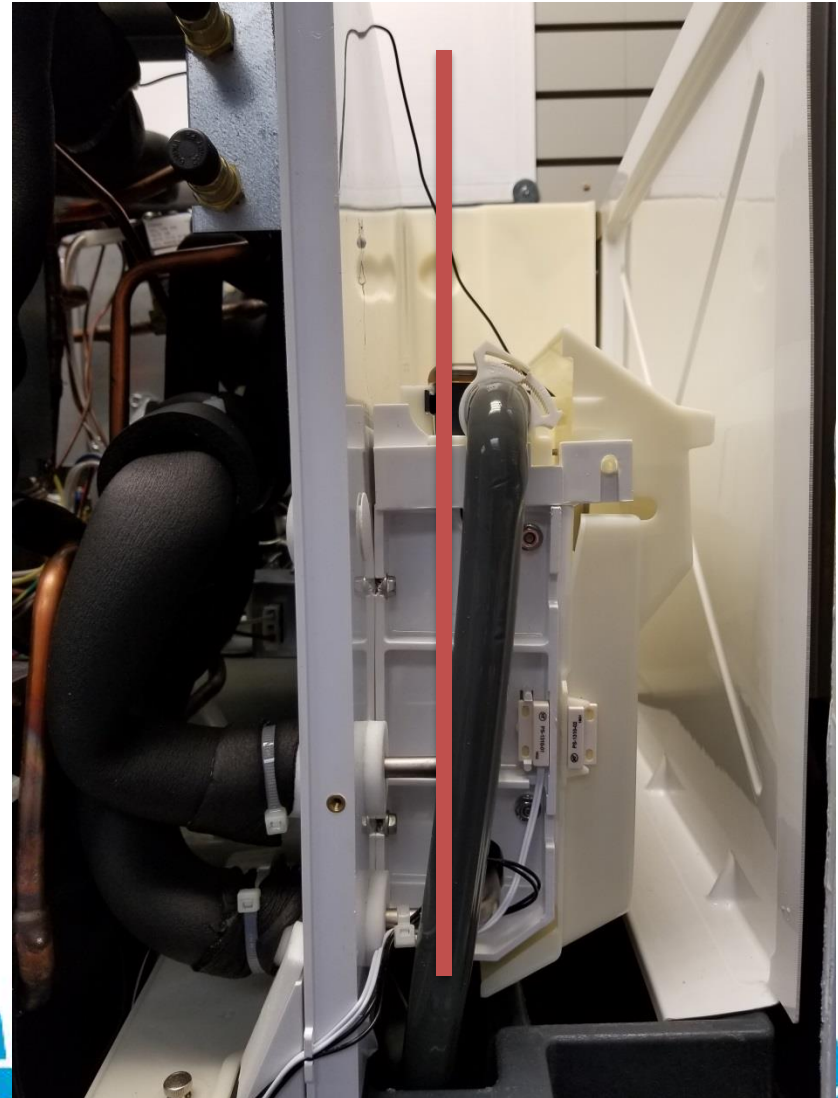
Scotsman XSafe Sanitation System

Install the remaining 12 inch length of tubing onto the return fitting.

Return tubing should be routed from the return fitting down the side of the evaporator.

It is important that the return tubing does not interfere with the operation of the curtain and the ice level sensor.

Verify that the curtain has the normal range of motion and resets to the natural position on its own.



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Install the white plastic wall.

Sanitize this as well before turning the ice machine on and closing the cover.



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Close the ice machine after turning it on.

Plug the unit into a nearby 100VAC outlet that is not switched off.

The unit runs 24 hours/day, 7 days per week.

Check to make sure the blue light is lit on the top



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TROUBLESHOOTING

TROUBLE

Flashing Red Light

(Fan works)

Steady Red Light

(Fan works)

Flashing Blue & Red Light

(Fan works)

No Light

(Fan does not work)

Weak Airflow

CHECK

Open the XSafe service cover and check that the lamp connectors are properly installed. Replace lamp.

Lamp time expired. Replace lamp to maintain effective ice machine cleaning. Reset lamp timer after installing new lamp.

Replace lamp. Confirm lamp part number. SCBULBXR30

Make sure (1) power supply is plugged in, (2) power outlet is working properly, and (3) power cord is undamaged.

Clean lamp. Check for blocked hose or fittings.



Blue:
Operation Normal



Red:
Replace Bulb



Flashing Red:
Service Required

Replacement lamp part number: SCBULBXR30

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XSafe by Scotsman

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