

A/C UNIT IS ICING UP

Put your A/C unit on "FAN ONLY" mode to melt the ice. **All** ice must be melted completely before going through the following check list.

NOTE: If your unit is on the "FAN ONLY" mode or "OFF (but still plugged into the wall)" and keeps icing the fins, the compressor might be stuck on the ON position. Try resetting your A/C unit from the plug and run again in the FAN mode. If the problem persists your A/C needs repair.

COOLBOT CHECKS

	PART	POSSIBLE CAUSE	SOLUTION	NOTES
1	Fins Sensor (blue or black cable with black tip)	Incorrectly positioned	<ul style="list-style-type: none"> Insert fin sensor only 1/4" deep between the lowest and second from lowest horizontal cooling pipes making sure that the sensor is touching only the fins and NOT touching the cooling pipes 	If your A/C fins start icing up from the top down, then position your Fins Sensor at the top of the fins.
		Ef (or Er) flashes on screen	<ul style="list-style-type: none"> Unplug Fins Sensor Cable and firmly plug back into Fins Port If error persists unplug Fins Sensor Cable and discard As a temporary fix use your Room Sensor Cable to replace your Fins Sensor (Er will display until a new sensor is installed in the Room Port -- this is OK!!) 	<ul style="list-style-type: none"> Watch video on CoolBot Ef workaround at: https://www.youtube.com/watch?v=Coc6DAING6E If CoolBot is under warranty (1YR) contact us at support@storeitcold.com If CoolBot is out of warranty (1 YR) order a replacement sensor at: https://www.storeitcold.com/product/new-style-sensor/
		Fins Sensor is out of Calibration	<ul style="list-style-type: none"> Gently slip the Fins Sensor out of the fins of the A/C Let the tip hang right next to the Room Sensor's tip Allow 2 minutes for the sensor to adjust its temperature reading Compare the Room temperature reading with the Fins temperature reading using the arrows to toggle back and forth between the Room mode and the Fins mode Your Room Sensor and your Fins Sensor should read within 3 degrees of each other 	<ul style="list-style-type: none"> If the Fins Sensor is more than 3 degrees off from your room sensor then discard your Fins sensor If CoolBot is under warranty (1YR) contact us at support@storeitcold.com If CoolBot is out of warranty (1 YR) order a replacement sensor at: https://www.storeitcold.com/product/new-style-sensor/ It is always recommended to have a reliable calibrated external thermometer in your cooler to compare with your Room Sensor readings
2	Heater Cable (red tip)	Insulation over the Aluminum foil	<ul style="list-style-type: none"> Make sure to ONLY use a 2" x 2" square of Aluminum foil 	<ul style="list-style-type: none"> DO NOT USE Electrical tape, duct tape or any insulating material over the Aluminum Foil connection

COOLBOT SETTINGS

	SETTING	POSSIBLE CAUSE	SOLUTION	NOTES
1	Temperature	Set too low (32F/0C)	<ul style="list-style-type: none"> Wait 30 seconds without pressing any buttons Press checkmark While display blinks adjust temperature with arrows to the desired value Press checkmark to save new temperature setting 	<ul style="list-style-type: none"> Watch video on adjusting settings at: https://www.youtube.com/watch?v=-o_70wClxjc
2	Fins	Set too low	<ul style="list-style-type: none"> Wait 30 seconds without pressing any buttons Press right arrow once Press check mark While display blinks adjust Fins setting with arrows to the desired value Press checkmark to save new Fins setting 	<ul style="list-style-type: none"> Factory default Fins Setting is 1 Most users find best results between 1 and 4 1 is colder and 4 is warmer
3	Heater Delay	Set too low	<ul style="list-style-type: none"> Wait 30 seconds without pressing any buttons Press right arrow 2 times Press check mark 3 times While display blinks adjust delay setting with arrows to the desired value Press checkmark to save new Heater Delay setting 	<ul style="list-style-type: none"> Factory default Heater Delay setting is d1 Most users find best results between d1 and d4 d1 is a shorter defrost time and d4 is a longer defrost time
4	Want to reboot your CoolBot to factory settings?			<ul style="list-style-type: none"> Watch video on rebooting your CoolBot at: https://www.youtube.com/watch?v=fDyjA214kdo

A/C CHECKS				
	LOOK FOR	POSSIBLE CAUSE	SOLUTION	NOTES
1	Settings	Not on COOL mode Fan on LOW speed A/C on ENERGY SAVE mode	<ul style="list-style-type: none"> Set A/C to COOL mode Set fan to HIGH 	<ul style="list-style-type: none"> Make sure that the A/C filter is removed
2	A/C Coil	Dirty A/C fins	<ul style="list-style-type: none"> Clean A/C's inside fins 	<ul style="list-style-type: none"> Dirty fins drastically reduce cooling power and can cause ice ups Use a plastic brush with long bristles Use plain water - DO NOT use soap Dunk bristles in water and wipe down the fins using a side to side motion starting at the top and moving to the bottom A/C supply stores also sell fins (coil) cleaner - please follow manufacturer instructions
3	A/C Drain	A/C is NOT slanted towards the back	<ul style="list-style-type: none"> Correct A/C positioning 	<ul style="list-style-type: none"> The A/C unit should be installed level from side to side The A/C unit should be installed so that it is 1/2" to 1" lower in the back than the front Some A/C units have a plug in the back of the tray that must be removed in order for water to drain out Make sure that the water collected in the tray under the fins is draining to the back of the unit
4	Brand	Unsupported A/C brand (for Frigidaire see notes)	<ul style="list-style-type: none"> Replace A/C with a supported brand 	<ul style="list-style-type: none"> For a list of supported brands and models visit: https://www.storeitcold.com/ac-selection/ The Frigidaire A/C has a minimum run time of 5 minutes In a well insulated cooler, or a cooler with an up-sized Frigidaire A/C, the cooler may go below its "set" temperature and can cause freeze up problems When using a Frigidaire A/C, use the recommended size air conditioner to reduce the chances if icing. To determine the recommended size of A/C for your cooler, please visit us at: https://www.storeitcold.com/ac-selection/
5	Compressor running constantly	A/C malfunction	<ul style="list-style-type: none"> Replace or repair A/C unit 	<ul style="list-style-type: none"> If your unit is on the "FAN ONLY" mode or "OFF (but still plugged into the electrical outlet)" and keeps icing the coil, the compressor may be stuck on the ON position If your A/C has a reset button on the plug reset the unit and run again in the FAN mode If the problem persists your A/C needs repair or replacement

COOLER CHECKS				
	LOOK FOR	POSSIBLE CAUSE	SOLUTION	NOTES
1	Insulation	Low R value, old, soggy.	<ul style="list-style-type: none"> Inspect insulation Increase insulation Replace if necessary 	<ul style="list-style-type: none"> We recommend cooler construction to an R-value of at least R25 Our preferred insulation is at least 4" thickness of hard closed cell foam insulation such as urethane, polystyrene or polyisocyanurate Roxul insulation is also acceptable We DO NOT recommend fiberglass batt or blown-in insulation Make sure the room is air-tight by sealing all cracks, gaps and joints. Inspect for leaks around A/C and check your door gaskets.
2	Construction	Not air-tight	<ul style="list-style-type: none"> Seal any gaps, cracks and replace door gaskets if necessary 	<ul style="list-style-type: none"> Spray foam such as "Great stuff" seals cracks well Seams should be taped using foil HVAC tape The area (gaps) around the A/C should be filled with removable foam
3	Size	Room too small for the A/C	<ul style="list-style-type: none"> Adjust CoolBot settings or replace A/C with a smaller A/C 	<ul style="list-style-type: none"> An oversized A/C unit may cool the room too fast while retaining a lot of residual cooling in the fins after each cycle This residual cooling may cause the temperature of the room to drop below the set point and cause icing of the fins (especially if you are using a Frigidaire A/C) To determine the recommended size of A/C for the room you have, please visit us at: https://www.storeitcold.com/ac-selection/

If you went through this checklist and your problem was not solved please contact us at: support@storeitcold.com or at 888-871-5723