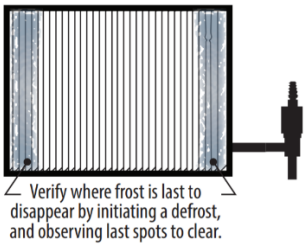
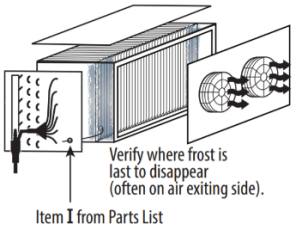
November, 2021

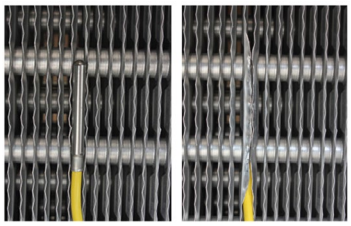
The following "**NO**" pictures are from actual installs.

Coil Sensors

1. As the defrost termination sensor, it is critical that the coil sensors do not terminate defrost before all frost is removed from the coil. Initiate a defrost, and observe the coil. **The coil sensors must be installed in the last two locations where frost disappears during defrost.** If no frost is currently on the coil, install on both ends of the air exiting side of the coil – away from any defrost heaters (including drain pan heater), and leave a hand loop in-case the sensor must be relocated. If drain pan heater is present, install on either end of the coil 1-3" from the top of the coil.



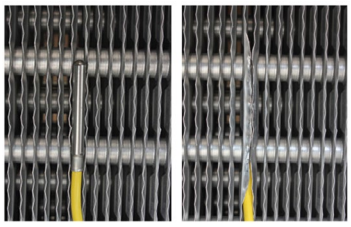




2. Inserting the sensor horizontally into the coil will position it too close to defrost heaters, and fail to catch ice building on the surface of the coil. Place coil sensors vertically between the coil fins, and pinch fins together gently, securing the sensor. Have the probe pointing UP, and cable points DOWN.

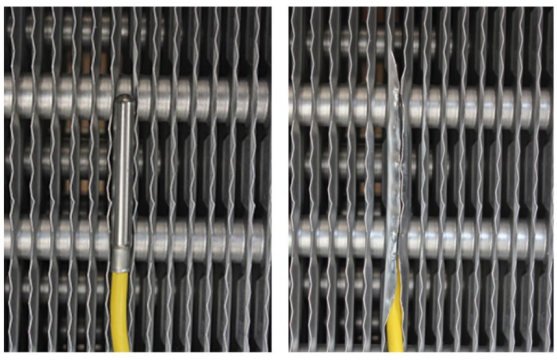
NO

YES



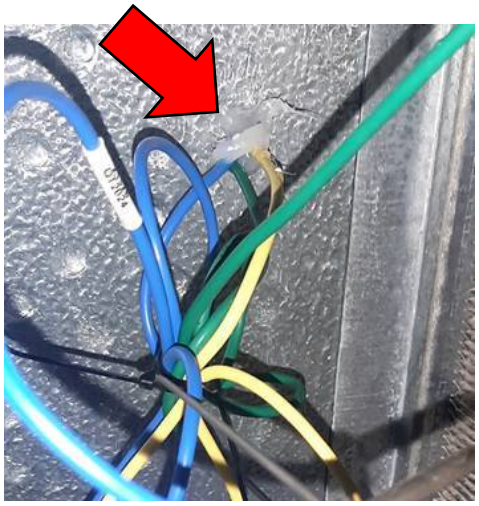
NO

YES

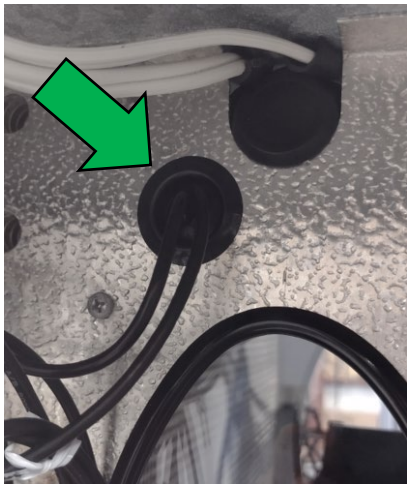


3. The grommet (part “I” in the kit) must be used to route sensors through the evaporator housing. The hole drilled in the evaporator housing to route the sensors is extremely sharp. Pulling cable through or the cable resting on that sharp edge will cause cuts/abrasion to the cable over time. Punch a small hole in the middle of the grommet to safely route sensors cables into the evaporator housing.

NO

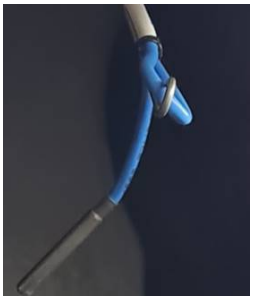


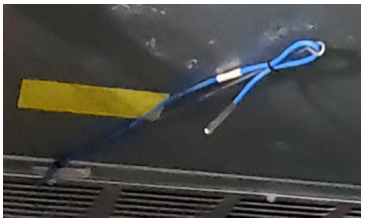
YES



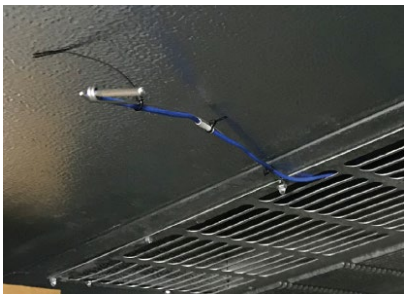
4. Do not bend sensor cable as it may damage cable and wires.

NO





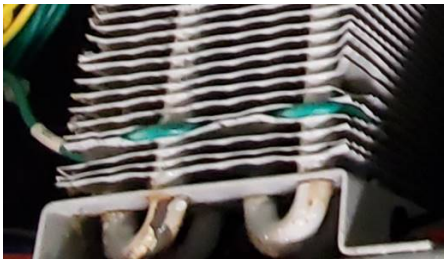
YES



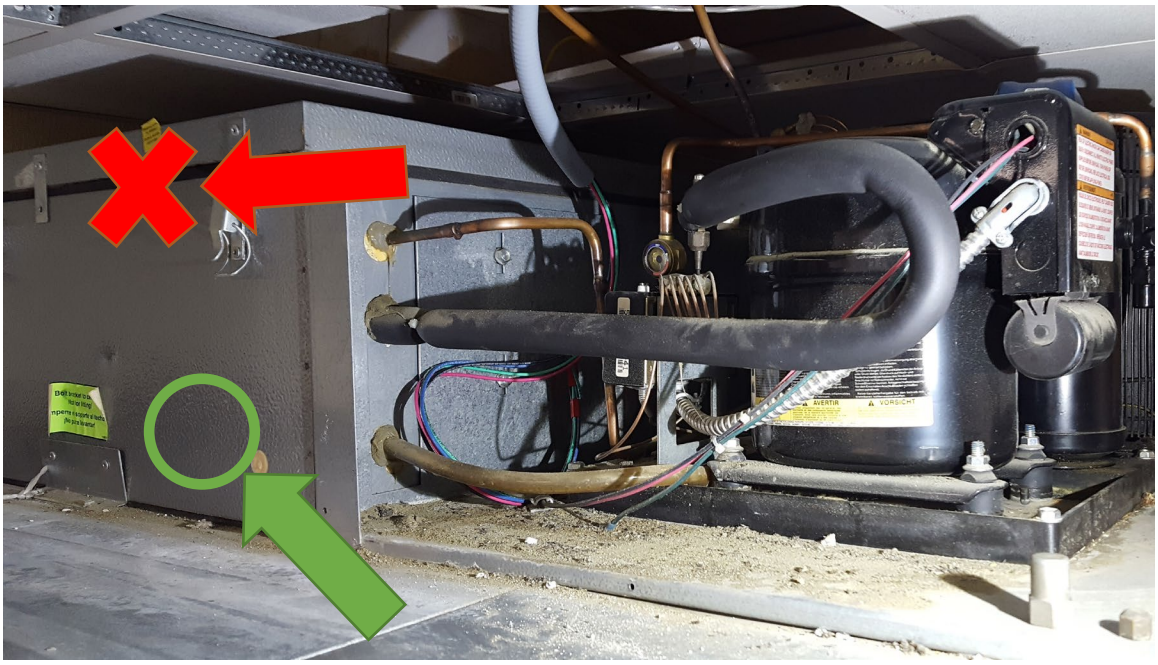
5. Gently pinch fins around sensor probe, and secure sensors and cable so that sensors will not fall out, however, **do not over tighten zip ties.** Over tightening zip ties will damage the integrity of the cable and result in an eventual failure.

6. Do not route sensors against sharp, abrasive objects, or near heaters. These will damage the cable over time. Use conduit where appropriate.

NO



7. Drill hole for routing sensors low in the evaporator housing, on the side of evaporator the sensors will be installed, and closer to the evaporator (**DO NOT DAMAGE EVAPORATOR**). This allows the sensor to be installed probe up and minimizes chance for cuts/abrasion/damage to the cable by trying to rout around/through evaporator, fans, or heaters. Do not route cables under lid as it will pinch the cable and damage it over time.



Air Temp Sensor

8. Use mounting rod provided (item "K" in the kit) to install the air temperature sensor. **Do not allow the metal portion of the air sensor to touch anything other than air. It should not touch the bracket, nylon cable tie, or any other solid surface.** If installing on a hanging evaporator, position the air sensor in the return air of the evaporator, at least 8" away from the coil, level with the bottom 1/3rd of the coil. If evaporator is on top of the walk-in, position air sensor through the grates, at least 1-3" from the ceiling. Avoid installing directly under the grill to avoid cold discharge air or cold air spillage from the coil when the fans are off.

NO

YES