

AUTOMATIC BEER CAVE

DOE Compliant Entrance Door System



Installation Manual

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BEFORE YOU BEGIN:

Read these instructions completely and carefully.

FOR YOUR SAFETY:

Read and observe all CAUTIONS and WARNINGS shown throughout these instructions.



This warning does not mean that STYLELINE® products will cause cancer or reproductive harm, or is in violation of any product-safety standards or requirements. As clarified by the California State government, Proposition 65 can be considered more of a 'right to know' law than a pure product safety law.

When used as designed, STYLELINE® believes that our products are not harmful. We provide the Proposition 65 warning to stay in compliance with California State law. It is your responsibility to provide accurate Proposition 65 warning labels to your customers when necessary. For more information on Proposition 65, please visit the California State government website.



WARNING:

Installation Certification: It is the responsibility of all installers to be properly trained and certified by STYLELINE Systems, Inc. All other installations will void product warranty.



CAUTION:

Risk of injury. While performing installations described, gloves and safety goggles should be worn.



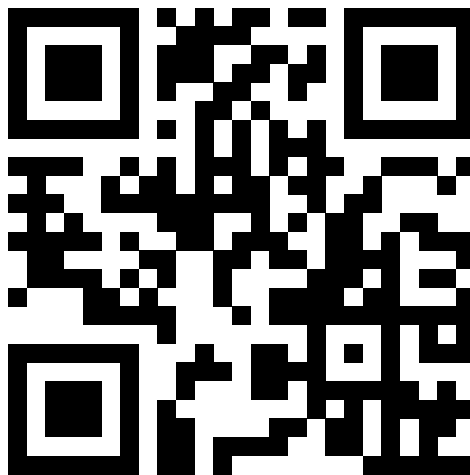
WARNING:

Risk of electrical shock. Disconnect power before servicing or installing product. Switch the power off at the service panel and follow appropriate lock out/tag out safety procedures.

Digital Materials Available On-line:

Download this manual and other informative materials from our website. QR-Code is also located in product label.

Scan QR Code



Tools Required:

The model and serial number are located on the packing list, on the product label (**Figure 1**) or on the frame or doors. The model number consists of a combination of numbers and letters. Example: 01MDCXBS-F-B-L.

The label also includes the electrical data and QR Code.

Unpacking:

- Hammer
- Wide Pry Bar (2")
- Flat Spade/Chisel
- Utility Knife

Installation:

- 3/4" Socket
- T-Handle Hex Wrenches (#5, #6, 5/32")
- Hammer Drill
- 3/4" Drill Bit 1/4", 1/2", 3/4"
- Screw Drill
- Speed Square
- Pointed Punch
- Grey Sharpie Marker
- #2 Phillips Head Bit (Long and Short)
- 3/16" Tapcon Concrete Anchors
- 5/32" Tapcon Concrete Bit
- Flat Screwdriver
- Regular Phillips Screwdriver
- Ratcheting Wrenches (9/16", 3/4")
- Flashlight
- Level
- Battery Charger for Drills
- Laser Line or chalk line
- Caulk Gun
- Sealant
- 1" head rubber mallet

Assembly:

- 3/8" Socket
- 3/8" Long Extension
- Wire Crimper
- Small Zip Ties
- 3/8" Ratchet
- Wire Cutter Snips
- Wire Strippers

Test and Clean Up:

- Extension cord with End cut off
- List of Error Codes
- Remote
- Windex
- Rags

Product Inspection:

- Product should be inspected at the time of delivery and proper notification to the manufacturer immediately if any issues are found.
- If the floor is not level, the bottom of the doors can rub causing error codes due to too much friction.
- If the walls are not level, the jambs could result in being tweaked which will cause condensation and gaps between doors-to-jambs.
- If proper clearance is not obtained, issues may arise as the screws must be driven into the jambs at an angle and clearance is needed to perform this task.
- Improper NCO's may cause security of door issues or possibility of too much compression on the doors. Holes must also be drilled through headers at predetermined locations and cannot interfere with cooler panel seams or lock cams.
- Not adhering to potential obstructions may cause operational issues such as door opening/closing as well as sensor errors.

Unpacking:

- **DO NOT USE UTILITY KNIFE TO CUT LENGTH OF PRODUCT TO REMOVE PLASTIC SHRINK WRAP.** Using a knife may cut through packaging and scratch the product.
- Open the header, then the jambs first. The fixed and sliding door(s) will be opening after header and jamb assembly and should stay in the crate until ready to install.
- When opening the crates for the fixed and sliding door(s), extreme caution should be used as the glass is fragile. (Note: Be sure when pulling out the doors that all staples and nails are removed as these can scratch the extrusions and glass.)

Assembly:

- Unpackage the header, open the header cover, and pull all the components out. Match components to the checklist to verify all components are present. If any components are missing, contact us immediately prior to install at 1-800-237-3940.
- Place the header on the floor on top of cardboard in an area that is free from obstruction and will allow the jambs to be connected without being scratched.
- Unpackage the jambs and place jambs accordingly on each side of the header to align the three holes at the top of each jamb to the corresponding holes on the sides of the header. **(Figure 1)**



Figure 1

Note: One of the jambs will have the 6-way key switch that must face toward the store side, not the cooler side. The back of the jambs will also have foam, this will face the cooler side as it will be pressed against the wall. On single sliding units, the 6-way key switch will always be on the same side as the fixed panel. On bi-parting units, the 6-way key switch will always be on the left jamb. **(Figure 2 & 3)**



Figure 2



Figure 3

Assembly - Cont'd:

- Locate the wire on the jamb, (Figure 4) with the 6-way switch. This will be fed into the 5/8" hole, (Figure 5) on the side of the header and will be connected to the wires in the header with the butt connectors in, (Figure. 5)



Figure 4

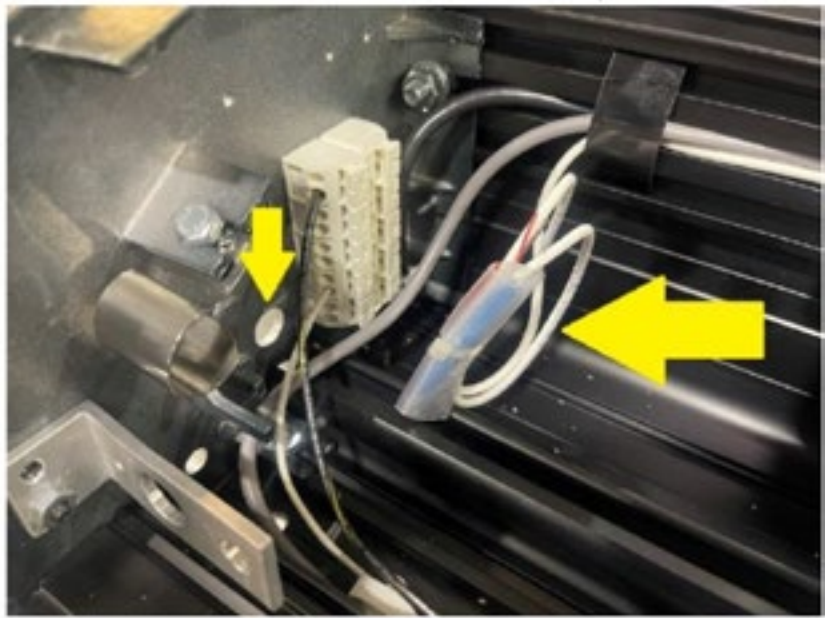


Figure 5

- Once the wire is fed through (Figure 5), and connected, locate the 6 3/8" bolts, (Figure.7), (3 per side), align the 3 holes on the with the 3 holes on the header and install 3/8" bolts. (Figure. 6)

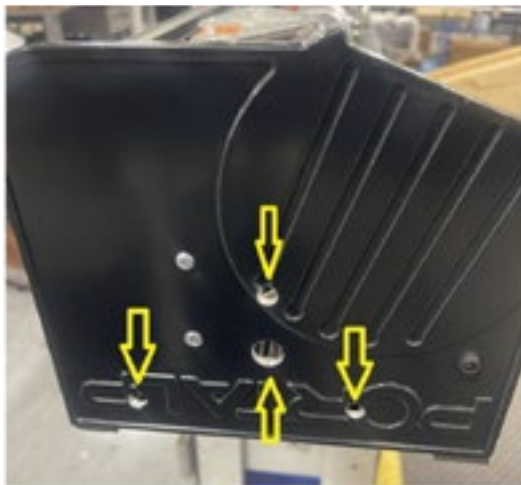


Figure 6



Figure 7

**CAUTION:**

Risk of product damage. Do not overtighten as the jambs are aluminum and the header side is steel, overtightening could cause the jambs to bend.

Mounting Header Assembly:

- Using a minimum of 2 people, lift the header and jambs to place where the unit will be installed.
- With the jambs on the floor, temporarily secure the header unit with the use of a minimum of 2 12" Quick Clamps placed towards the middle of the header to the cooler box panel.



Figure 8



CAUTION:

Risk of product damage. Do not overtighten on the track as this could prevent the trim from being installed. (Figure 8)

- Ensure the unit is exactly where it is to be permanently mounted.
- Find the holes in the header for the cooler sensor cord, (located near the middle of the header unit, Figure 9) and the power cord, (located near the right side of the unit, Figure 10). Use a center punch to make an indentation for a drill bit in the center of the hole to be drilled.



Figure 9



Figure 10

Mounting Header Assembly - Cont'd:

- For the sensor cord, the hole diameter that needs to be drilled all the way through is $\frac{1}{2}$ ". For the power cord, the diameter of the hole should be $\frac{3}{4}$ ". (CAUTION: remove any wiring prior to drilling from the area)
- Once holes are drilled, ensure there are no sharp points on the cooler side that were caused from the drilling.
- With the unit held in place, (using 12" quick clamps, be sure not to set the clamps up where the fixed panel will be installed), locate the center of the header install hole, (Figure 11) for the wood screw and screw into place, leaving the screw out approximately $\frac{1}{8}$ " so that the header can still be moved up and down on either jamb.
- This will allow the unit to be "manipulated" when installing the fixed panel(s). You will add the remaining screws later.



CAUTION:
Risk of product damage. Remove any wiring prior to drilling from the area. (Figure 11)



Figure 11

Installing Fixed Panel (s):

- Use a laser and/or snap line, mark a line on the floor to line the bottom of the door up to, to ensure squareness of fixed panel. This is critical as it becomes the datum for the guide track and moving panel to ensure the moving panel moves correctly. (Figure 12)



Figure 12

Installing Fixed Panel (s) - Cont'd:

- Remove the fixed panel from the crate.
- Take note of the top bracket design and note that the angled fins must go inside the channel on the header. **(Figure 12 & 13)**



Figure 12

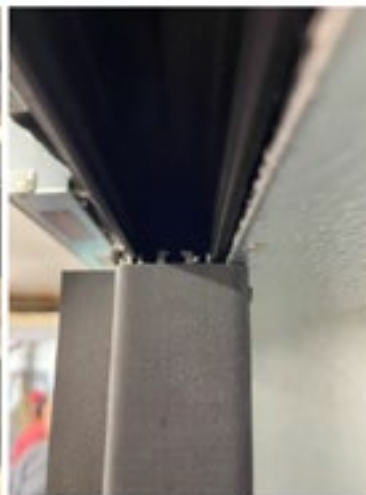


Figure 13

- Ensure the fixed panel is oriented correctly by placing the aluminum face of the door to the store side and the vinyl trim with the groove to the cooler side.
- Locate the heater wires from the Fixed Panel, **(Figure 14 & 15)** and feed them through the hole located in the header, being sure not to pinch the wires during the installation of the fixed panel(s).

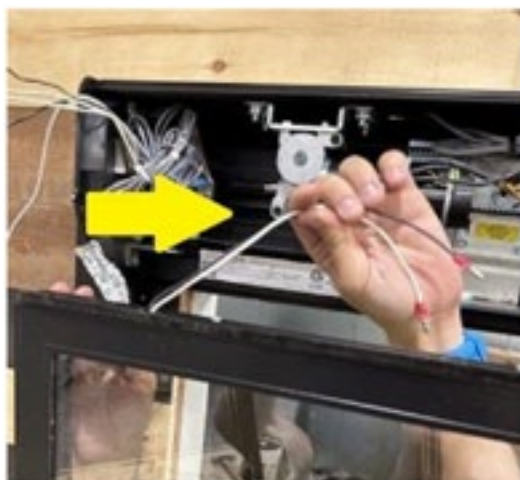


Figure 14



Figure 15

Installing Fixed Panel (s) - Cont'd:

- Leaving approximately 5" between the door and the jamb to allow hand placement, place the door at a slight angle (Figure 17) to insert the top of the door fins inside the header channel. (The fixed panel can be slid snug against the jamb, after the jamb has been secured to the wall with install screws.)
- Slowly move the door inward so that the top of the door starts to line up with the header channel, gently tapping on the bottom to "push" the door until a "snap" is heard, indicating the door fins are securely inserted into the header channel and the door is perpendicular to the floor. **(Figure 18)**

Pro Tip: Using a glass suction handle helps to maneuver door into place. **(Figure 18)**



Figure 17



Figure 18

- **BEFORE** sliding the fixed panel against the jamb, place a second screw in the header above the fixed panel where the final position will be, (near the corner in the header).
- Now secure the jamb on the fixed panel side(s) by slightly rotating the jamb away from the wall, (towards the moving panel location). While slightly rotating, begin to install the wood screws and securing the jamb to the wall, allowing the screws to bring the jambs straight.

Pro Tip: Over-rotating the jambs away from the wall towards the moving panel will allow the jambs to end up in the correct orientation, otherwise the jambs will be slightly crooked, leaving a small gap between the fixed panel and jamb. Jambs may still be slightly curved, but this will go away once the jamb covers are placed onto the jambs.

- All mounting screws can now be installed using the same process for both jambs. (It is critical to ensure the jambs are level and square to avoid any gaps).

Securing Fixed Panel (s):

- The fixed panel can now be slid firmly against the mounted jamb and heater wires connected.
- Align the fixed panel and ensure it is straight and square to the jamb prior to mounting the guide block. (This is important as the moving panel relies on the proper location of the guide block. Improper alignment may cause errors: (12, 13, or 16), during operation.) The Fixed Panel should measure 2 9/16" from the front face of the jamb to the front face of the panel, ensuring level and squareness horizontally and vertically.
- Locate the track bracket, part# 8963B and/or 8961B (depending on the slide orientation).
- Remove the Phillips screw from the fixed panel, install the track bracket against the Fixed panel with the same Phillips screw, **(Figure 19-20)**. Mark the hole locations where the floor anchors will be installed.



Figure 19



Figure 20



Figure 21

- Note that the "L" should be facing the closed position of the moving panel.
- Using a hammer drill and 5/32" concrete bit, drill pilot holes for the 3/16" Tapcon anchors.
- Insert Tapcon anchors.
- If ABC System is a bi-parting system, repeat steps in 5.5 for the opposite side.
- Using a laser, make sure the unit is square and moving panel will be lined up once installed. **(Figure 21)**



CAUTION:

Risk of product damage. Note that the "L" should be facing the closed position of the moving panel.

Installing Moving Panel (s):

- Locate part# 7821 (Cord Slider, **Figure 22**) and part# 6476 (Hex Screws x 2, **Figure 23**), and secure to the top of the moving panel(s) using a 5/32" Allen wrench. Slot should face the store side, not the cooler side.



Figure 22



Figure 23

- Locate bolts, part# 6673 (**Figure 24**), and have ready to insert through the moving panel(s) bracket from the header, (Figure 25), and screw into the top bar of the moving panel(s), (**Figure 26**)



Figure 24



Figure 25



Figure 26

Installing Moving Panel (s) - Cont'd:

- Orient the moving panel (s) so that the aluminum extrusion is facing the store side, the black hard vinyl trim is facing the cooler side, and power cord for the door is on the opposite of the plug in the header. **(Figure 27)**



Figure 27

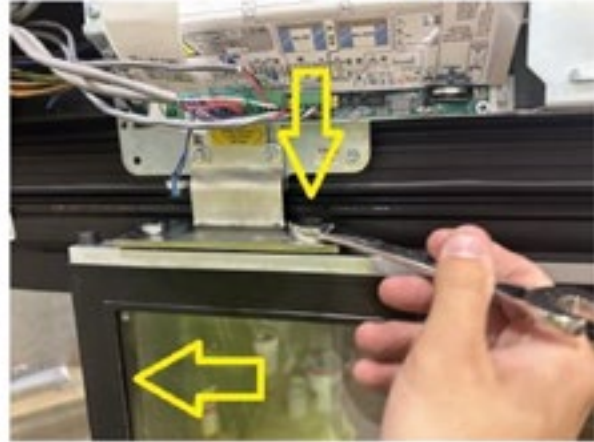


Figure 28

- Using a two-person lift, raise the door up over the track bracket from the Fixed panel(s) and so that the top silver aluminum bar of the moving panel(s) aligns with the correct side brackets in the header. Secure using bolts and 9/16" socket and ratchet. Prior to tightening all the way, ensure the bracket has approximately 1/4" lip to the cooler side of the bar from the door. (This can always be adjusted if there is too much interference between the moving panel(s) and the fixed panel(s). Tighten bolts completely. **(Figure 28)**

Moving Panel Alignment:

- The moving panel (s) should have approximately 1/8" clearance from the track bracket, ensuring the bottom channel cannot deviate from the track guide.
- To adjust the moving panel(s) height, place a temporary shim at the bottom for when the doors weight is no longer supported, loosen the 3 (per moving panel bracket) hex screws, loosen the 3/4" nut and use an Allen tool to turn the hex screw located inside the larger 3/4" nut. This screw lowers and raises the moving panel (s). **(Figure. 29)**
- Once at the desired height and the panel is level, retighten all screws and nut.
- Once fully adjusted, the moving panel(s) should move easily with only light pressure of fingers. If it does not and there is too much tension, the moving panel will need to be readjusted.

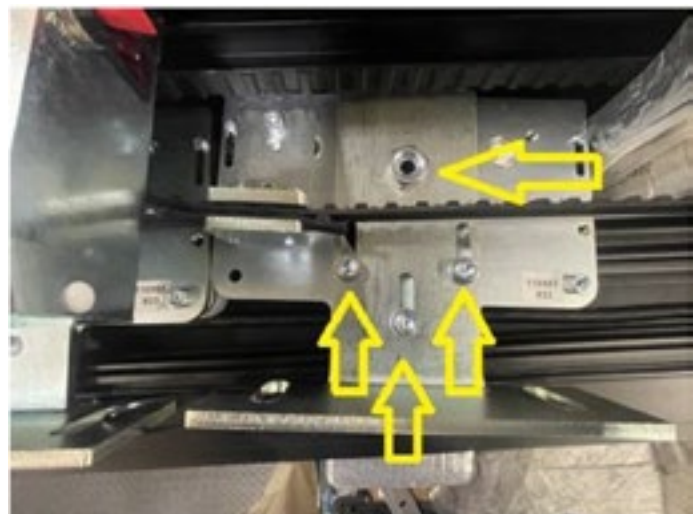


Figure 29

Moving Panel Connections:

- Locate the metal wire and feed it through the retractable cord from the moving panel(s). Once fully inserted, connect the turnbuckle with the hook in the upward position. (If the hook is in the downward position, it may result in the top of the hook catching on objects during operation.) (Figure 30-31)
- For single-slide unit, connect opposite side of turnbuckle to the L-Bracket located on the side of the header near the plug. For bi-parting sliding units, the turnbuckle will be connected to the opposite side wire, with the result of the location of the turnbuckle in the center of the header unit. (Figure 32)
- Insert the metal wire into the nylon block located at the top of the moving panel(s). (Figure 33)
- Take approximately 4" of the retractable cord and place in the direction of door closing. This will relieve the amount of cord that becomes loose while closing and prevent the cord from interfering with moving parts during operation.
- Twist the turnbuckle, (while keeping the hooks stationary), to increase tension.
- Utilizing the screw from the plug, insert the moving panel(s) cord into the plug and tighten screw to secure in place. (Figure. 34)



Figure 30



Figure 31

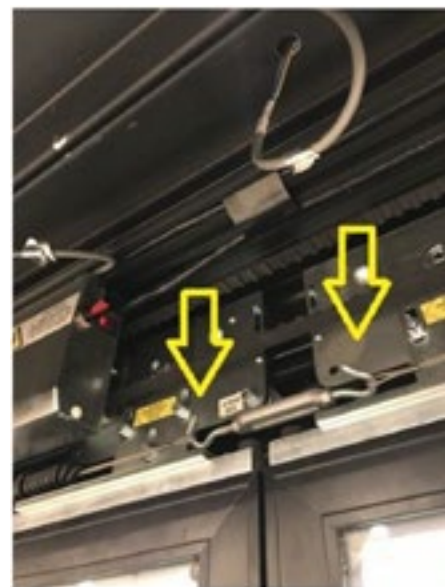


Figure 32



Figure 34



Figure 33

Rear Sensor Installation:

- Carefully remove the sensor cover from both sensors.

Locate the cord for the rear sensor and feed it through the back of the header and cooler wall until it is visible

- inside the cooler, being sure to use caution to prevent the cable from getting cut by any sharp edges. (Pro Tip: temporarily taping to a long screwdriver will assist the cable through the hole without getting caught)

Critical: Be sure to caulk around the wire and cover up hole from cooler so no cold air enters the header or condensation may cause malfunctions to electrical components. (Figure 35-36)



Figure 35



Figure 36

- Connect the cable to the sensor and route cable through the channel guides being careful not to pinch the cable. (Figure 37)
- Using the sensor install holes as guides, mark the locations where the self-tapping screws will be installed. The sensor should be installed slightly below the cable hole.

Place one screw through the ear of the sensor and loosely secure to the wall so that the sensor can be adjusted. Level the sensor and install opposite side self-tapping screw.

- Place cover back onto the rear sensor.



Figure 37

Front Sensor Installation:

- Locate the cable for the front sensor and feed it through the hole of the header.
- Connect the cable to the front sensor and route cable through the channel guides being careful not to pinch the cable. **(Figure 38)**
- Secure the sensor to the header cover using the screws provided.



Figure 38

Connecting Optional NaviBlu Display:

- Drill a small ¼" hole into the snap cover that goes on the jamb with the 6-way key switch. **(Figure 39)**
- Attach the mounting bracket with the screws provided. **(Figure 40-41)**
- Following the instructions that are supplied in the box, connect the cable to the NaviBlu display and the control board. (The wires will need to be in the same pattern from the display to the control box)



Figure 39



Figure 40



Figure 41

System Test:

- Prior to starting, glide the moving panels back and forth to identify any excessive friction that may cause issues. If any are found, they will need to be addressed prior to testing or error results may result.
- The system will need two separate, dedicated, power sources and cannot have any other applications sharing power such as external sensors. One source will be for the heaters, and the other source for the main power.
- Using the keys provided for the 6-way switch located on the jamb, ensure the setting is set to the default setting for two-way traffic, (arrows pointing up and down). **(Figure 42)**
- After properly connecting the main power wires from the ABC unit to a power source, lift the header cover slightly to turn BOTH switches to the on position on each silver box. **(CAUTION:** Components will start to move once power is activated)
- Once power is activated, the system will continuously beep as it goes through the learn phase of learning the parameters of operation and door opening. The system should open and close during this time.
- If no issues were found during the operation, the system will stop beeping.
- Test both, front and back sensors by using motion to activate them to ensure proper operation of sensors and moving panel(s).
- If no beeping or error codes appear on the blue display on the header, testing is complete.



Figure 42



Figure 43

Snap Cover Installations:

- Snap covers must be installed on each jamb both, inside and outside of jamb, and along the bottom of the header. **(Figure 43)**
- To install: place each cover in place and then gently tap with a rubber mallet until fully inserted.

Snap Cover Installations - Cont'd:

- With the ABC unit turned off, caulk all gaps between the jambs and wall surfaces. **(Figure 44)**
- Caulk between the header and the cooler surface opening.
- Caulk the holes for the rear sensor, **(Figure 45)**, heater power wires, and main power cord from the cooler.

(This is important as not caulking may result in condensation build-up inside the header and electrical components to short out.)



Figure 44



Figure 45

Troubleshooting:

- If beeping continues after the learn phase, the first step is to obtain the error code that is displayed on the optional NaviBlu display or by downloading the AUTODOOR MASTER App from your phone (available on Android ONLY), after you scan the QR code on the label located on the circuit board in the header. **(Figure 46)**
- The error code can be cross-referenced with the document, "RS expert user PDF or RS logic PDF manuals"



Figure 46

For obstructions and error codes such as, "12", "13", "16" and "42":

- All excessive friction will need to be removed. To do this, check the following:
- The door has enough clearance off the floor and guide block from the fixed panel.
- The guide block is parallel with the moving panel bottom channel.
- The bottom of the door does not come in contact with the floor during operation during the entire path of movement.
- Interference from wires in the header with any moving parts.
- Turnbuckle is not "catching" on any components during operation.
- No obstructions are interfering with the belt operation.
- The "L" brackets on the sides are not interfering with the moving panel(s).
- The header cover is not interacting with any of the moving components such as the nylon block on top of the moving panel or the retractable cord.

Pro Tip: Propping the header cover slightly open and letting it rest on the "snap" brackets while letting the unit operate can be an indicator if there is interference with any components and the header cover. If no issues while the header cover is propped open but, issues arise when the cover is completely closed, then there is interference with a moving component and the header cover

- The ground wire is connected from the header cover to the circuit board.

For obstructions and error codes such as, "12", "13", "16" and "42":**No Power:**

- 6.16.4.1 Ensure all switches are in the correct "ON" orientations.
- 6.16.4.2 With power source disconnected, ensure a proper connection between the main power cord is connected to the motherboard and screws are tightened.

No Door Operation:

- 6.16.5.1 Ensure the 6-way selector is in the correct position.
- 6.16.5.2 Ensure sensor cables are properly connected.
- 6.16.5.3 Review in the "Diagnostics" tab, SECU_INT. This setting should be "NO" for normally open.

Excessive Operation:

- 6.16.6.1 If the doors are operating excessively and there are no error codes displayed, check for the following and either eliminate the cause or adjust sensor settings:
 - 6.16.6.1.1 Tags from aisle product activating system as they are moving from HVAC/wind.
 - 6.16.6.1.2 Reflections from glass bottles activating sensors.
 - 6.16.6.1.3 Human traffic close by, i.e. – path to restrooms.

Safety:

- ALL ABC units are supplied with a battery back-up in case of a power loss event.
- Once power is not detected, the unit will operate to the setting desired. Factory default is set to "Opened Mode", resulting in the doors opening with the use of the battery back-up and staying open. (It is recommended to check the battery on an annual basis to ensure proper operating in the event of power loss.)