



INSTALLATION INSTRUCTIONS

TOOLS REQUIRED:

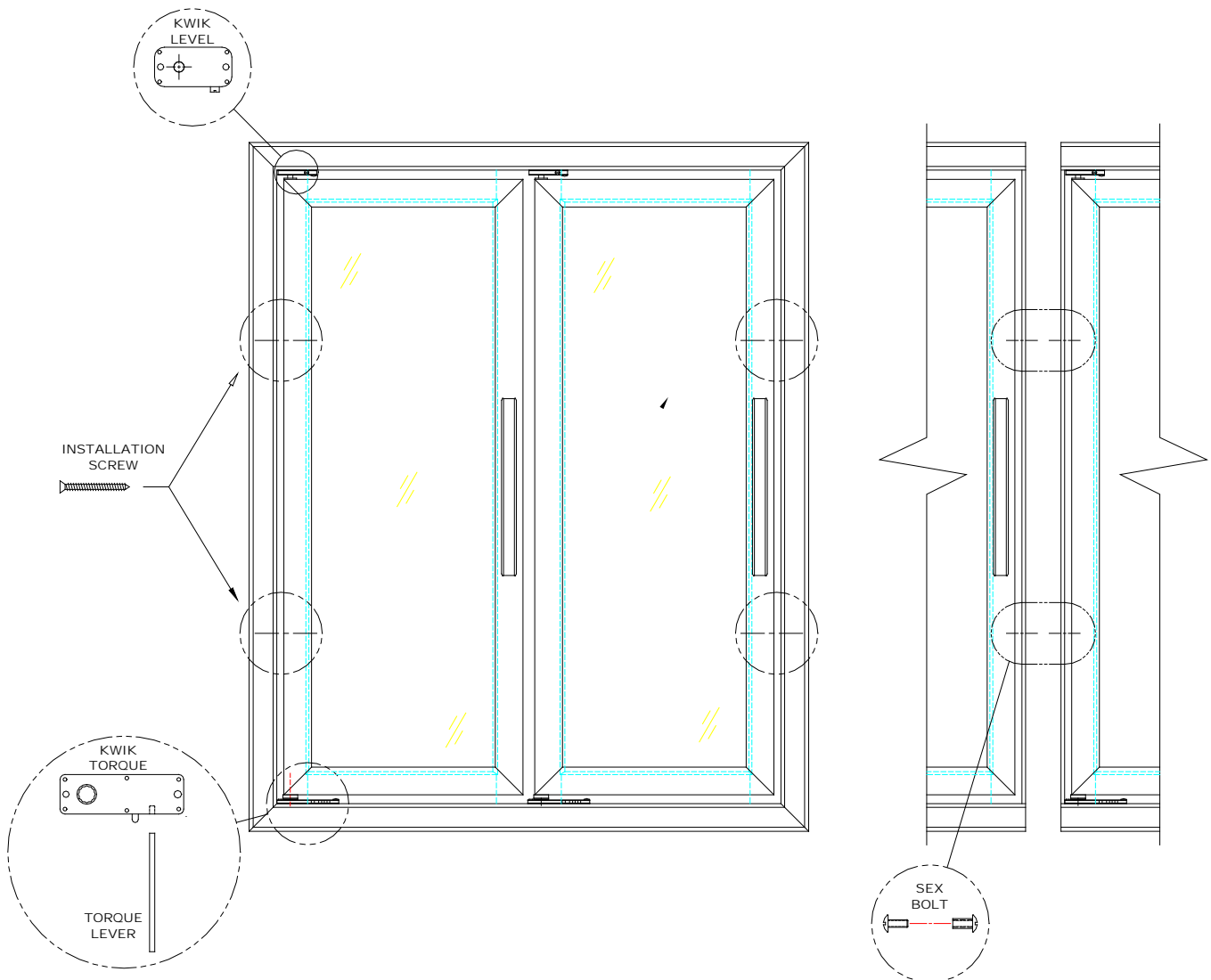
Level
Square
Phillips Screw Driver

Slot Screw Driver
Pliers
Clamp

PARTS PROVIDED:

Frame Installations Screws.
Sex Bolt.
Torque Lever
Shelf Post Brackets

4 per door. (#8 x 1-3/4")
4 per frame joint.
2
2 per door, plus 2 per frame.



READ INSTRUCTIONS CAREFULLY AND COMPLETELY BEFORE INSTALLATION!
Commercial Display Systems, LLC

INSTALLATION INSTRUCTIONS
FRAMES

BEFORE BEGINNING, CHECK THAT YOUR OPENING IS SQUARE

- 1.) The frames are manufactured as whole frames or sections from 1 to 5 doors:
 - a) If your frame is 1 to 5 doors, then your frame will have flanges on all four sides (top, bottom and both sides).
 - b) If your frame is made of 6 or more doors, then you will have more than one frame section. These sections are designed to be joined together to form one “continuous” line-up. A line-up will consist of one left end frame section and one right end frame section, and as many center frame sections as are required to fill the line-up. The left end sections have flanges on the left end and top and bottom; center sections have flanges only at the top and bottom; right end sections have flanges on the right end and top and bottom.

- 2.) Positioning frame in opening:
 - a) When installing a whole frame of 5 doors or less as described in Sec. 1, center frame within opening. If you have a gap greater than 1/8” between your frame and the rough opening, then shimming is required to keep frame square in the opening during screw installation.
 - b) “Continuous” line-ups can be started from either the left or right end. Position the left or right frame section as close to the corresponding end of the opening as possible without forcing frames out of alignment.
 - c) **Entrance Door Frames** without a threshold check vertical sides are parallel top to bottom and shim as required. Last see instructions for Anchor Bolt installation on page 8.

- 3.) Securing frames in opening:
 - a) Install one screw at bottom of frame. Clamp top of frame to cooler for safety. Check that frame ends are vertical and level, front to back and side to side. Insert shims as required for permanent installation. Install a screw at top of frame and remove clamp.
 - b) A diagonal measurement must be within 1/8” of being equal before fastening top of frame. (Figure 1). A frame out of square can result in a door sag or improper closing.
Note: Before proceeding to 3c, if continuous line-up, install multiple frames and secure with screw as described in section 4a.
 - c) Install the remaining frame screws (4 per door plus, 4 per frame section), continue to shim at each installation screw as required.
Note: If the extra few minutes are taken at this point to properly level the first frame section, hours will be saved on the balance of installation.

- 4.) Add the remaining sections to complete a “continuous” line-up:
 - a) Install remaining frame sections (all of the center sections first, then the end) by clamping the frame in position (for safety) and securing the section to previously installed section at the joint BEFORE installing any top or bottom frame screws. This will allow you to align the joints and ensure that the next section is also level.
 - b) Secure this section at the top and bottom with frame installation screw, again shim where necessary at screw installation. Once square and plumb has been checked, balance of screws maybe installed.
 - c) Caulk perimeter of frame on refrigeration side (inside case) and at all frame joints as required.

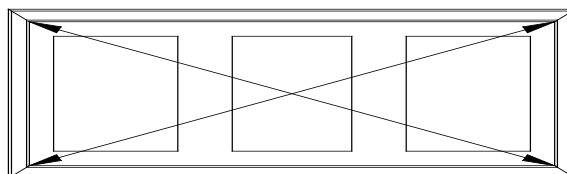


FIGURE 1.

You are now ready for an **Electrician** to connect power to the junction box or flexible conduit that is mounted to back top of frame. A Wiring Diagram is provided next to the Junction box or flexible conduit exit. We recommend that switches be installed one for lights and one for heaters, to enable power to be switched of when service is not required.

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INSTALLATION INSTRUCTIONS DOORS

- 5.) Mounting doors into frames:
 - a) Hold door on each side with the door handle facing you. Lift and align bottom door hinge with hinge housing mounted at bottom of frame (Kwik Torque).
 - b) Seat the self closing wheel into hinge housing (Kwik Torque). The weight of the door will now be resting on the frame. (Figure 1)
 - c) Align top spring loaded Hinge Pin with top door hinge mounted to top of frame (Kwik Level).
 - d) Press down on the spring loaded Hinge Pin, while moving the door back into the frame door opening until the Hinge Pin clicks in the top door hinge. (Figure 2)

Pull on door handle to ensure that Hinge Pin has seated properly into Kwik Level.

 - e) **Install black plastic Safety Clip in gap between top of door and Kwik Level on Hinge Pin.**
(Must be installed to prevent door from falling out of frame) (Figure 2)
- 6.) Plug in the door heater cord:
 - a) Plug cord into receptacle on the inside top of frame. (Figure 3)
 - b) Secure plug with the attached 5/8" Phillips screws.
- 7.) With door in closed position, you will engage the torque operated self closing mechanism:
 - a) Using the Torque Lever, insert lever into the exposed square opening on the bottom door hinge. (Figure 1)
Turning the lever towards the handle will set torque.
 - b) If your door is hinged right, turn the lever to the left; if your door is hinged left, turn the lever to the right.
Caution: Excessive torque may result in damage. Factory recommends 3 to 4 clicks maximum for proper door torque.
- 8.) How to release Door Torque:
 - a) To release torque, insert Torque Lever into bottom door hinge.
 - b) Turn lever in same direction as if setting torque (towards handle see sec. 7a) to free pawl arm, pull pawl arm and hold while turning torque lever back towards hinge. You will hear the torque unwind. If you can not hold pawl arm with finger, use needle nose pliers for this operation.
- 9.) **Periodic Maintenance** of the Kwik Torque and Hold Open is required. Specially if the Box is near food prepping areas or liquid spillage that may cause gunk to build up on the Kwik Torque and Hold Open.
 - a) Remove door, clean hinging locations.
 - b) Lubricate with food grade lubricant (silicon spray, grease, etc..)
 - c) Clean door perimeter and gaskets and apply food grade silicon spray to gasket.
 - d) Clean frame perimeter, contact plate and any areas that may have any debris.
 - i. **Note:** Some locations may need maintenance more often depending on your application

LIGHTS

- 10.) **Prior to making Electrical connection for lights, inspect lamps making sure lamps are properly seated in lamp sockets. Lamps may have come dislodged during shipping.** The light fixtures and ballasts are pre-wired. When electrician connects power to frame, the lights will have power.
- 11.) To install lamps with guard already in place as shipped, align lamp terminal end with Top socket that is attached to the frame. (Figure 4) Insert lamp into spring loaded socket, push up and insert lamp into bottom stationary socket.

INSTALLATION INSTRUCTIONS
DOOR

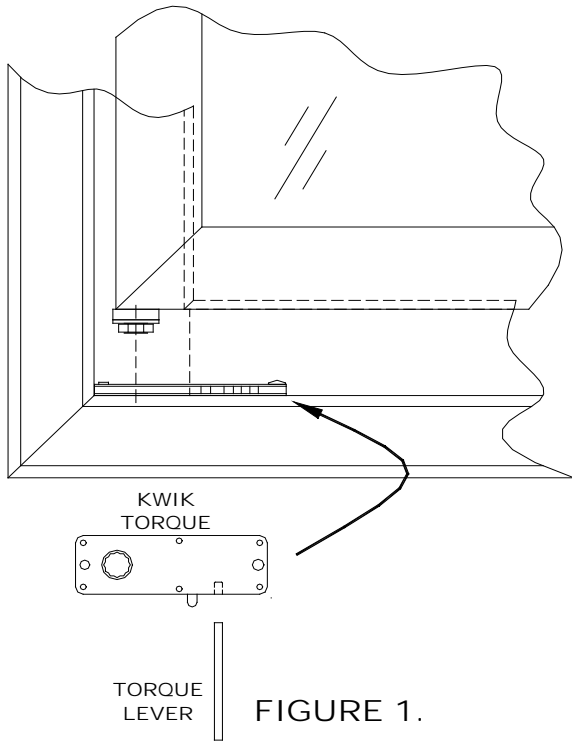


FIGURE 1.

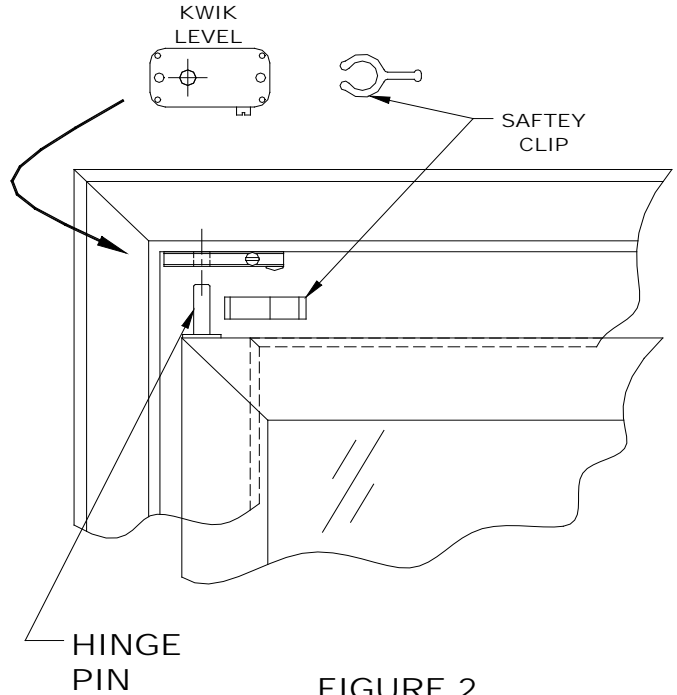


FIGURE 2.

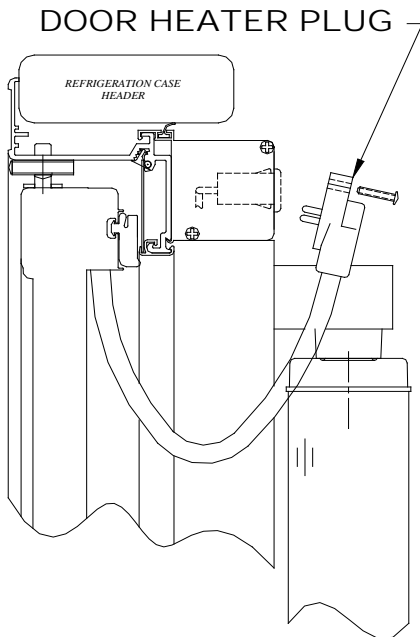


FIGURE 3.

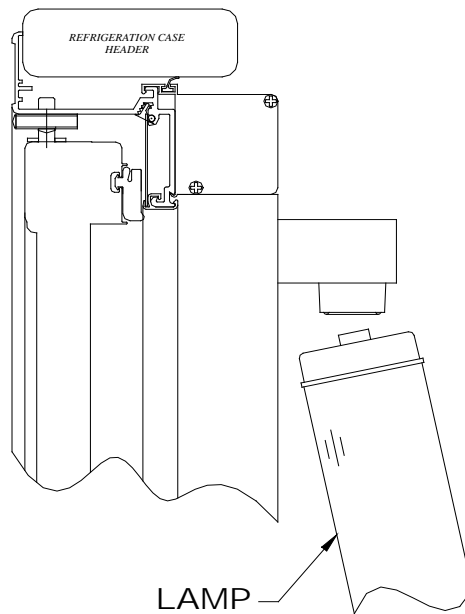


FIGURE 4.

INSTALLATION INSTRUCTIONS
SHELVES

- 12.) Mount shelf post to shelf post brackets which are then mounted to the frame brackets:
- a) Begin shelf installation at center of door line-up and work out in either direction.
 - b) Hold one shelf post so that the post-leveling bolt is resting on floor. (Figure 6)
 - c) Slide two shelf post brackets onto shelf post, leaving slots completely exposed. (Figure 7)
 - d) Hold post so that the brackets do not slide off the post.
 - e) Slide top bracket and hook into top frame bracket as shown in Figure 8. Slide the second bracket into bottom frame bracket.
 - f) Continue to mount each front post until all front post is installed on frame. The slots in all post should face toward back of cooler (away from frame).
 - g) Use leveling bolt on bottom of each post to adjust for uneven floors. Use relationship between brackets and slots in post as a leveling guide.
- 13.) Begin hanging shelves on post:
- a) Start at either end of the line-up. Have two-shelf post and two shelves.
 - b) Insert prongs on front of shelf, prongs pointing down into slots on the front shelf post, approximately 12” down from top of door. (Figure 9)
- Note: Front prong of shelf must be set into post as shown for proper shelf alignment. Inserting too deep may cause alignment problems for adjacent shelves.**
- c) Holding back of shelf, stand loose shelf post with leveling bolt on the floor, insert prong on back of the shelf in approximately same level as the front post.
 - d) Hang a second shelf at bottom approximately 12” from floor.
- 14.) Continue adding one more post and two more shelves on same level as first pair of shelves.
- 15.) Adjust leveling bolts on back post so that the shelves are level.
- 16.) Customer’s merchandizing plan will determine where the rest of shelves are to be located and if any of the first installed need to be adjusted.

INSTALLATION INSTRUCTIONS
SHELVES

INSERT PRONG UPTO
PRONG DETENT ONLY
(INSERTING PAST DETENT WILL
CREAT SHELF ALIGNMENT
PROBLEMS ON ADJACENT SHELVES)

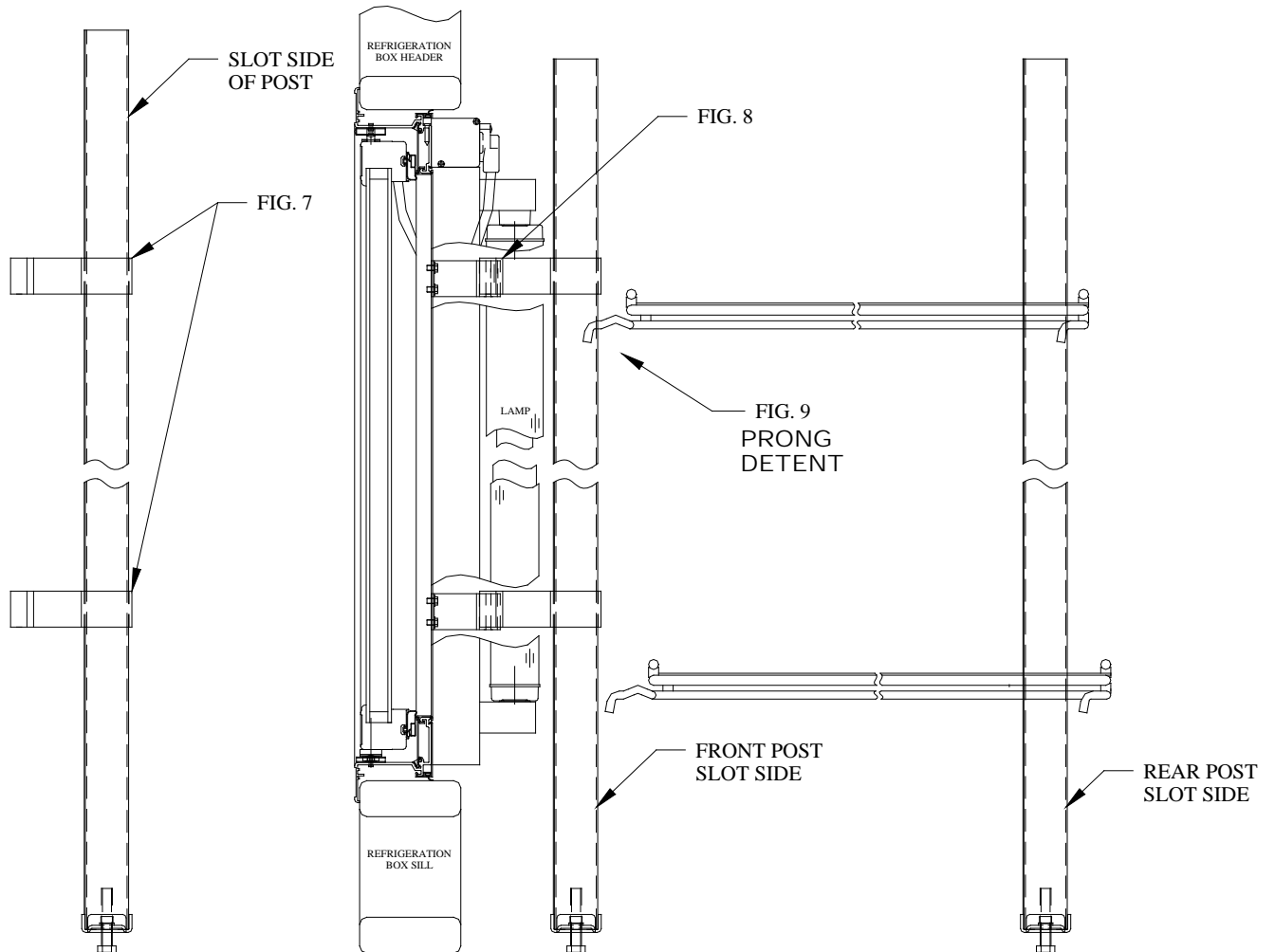
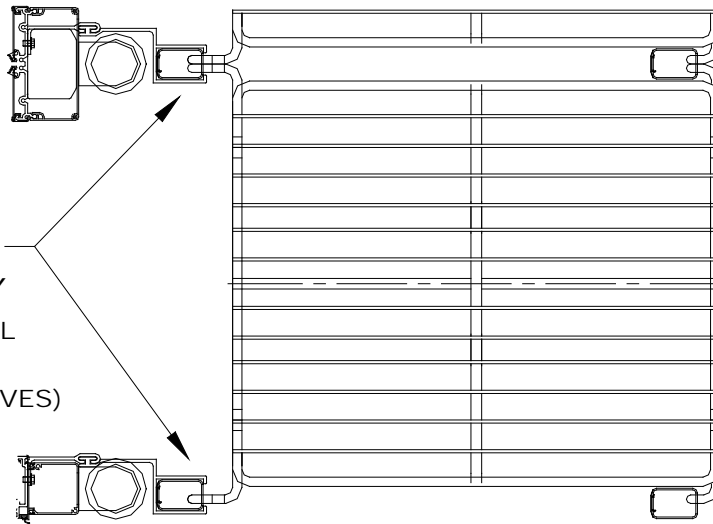
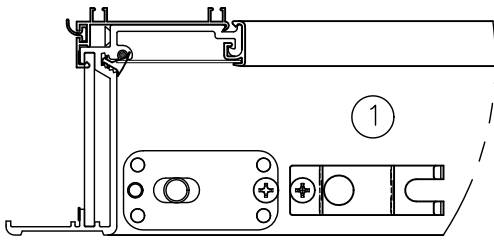


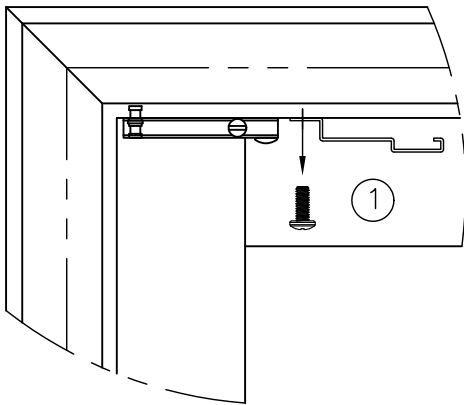
FIGURE 6 & 7

FIGURE 8 & 9

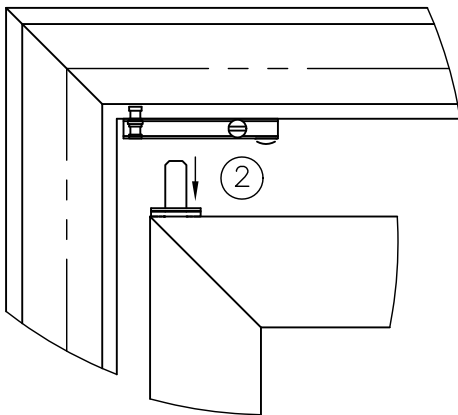
SAFETY CLIP INSTRUCTIONS



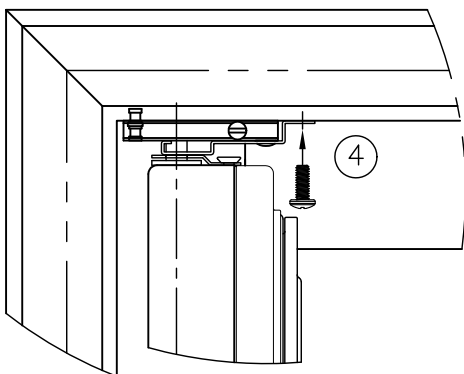
VIEW 1A



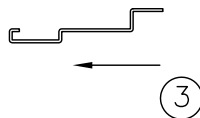
VIEW 2A



VIEW 2B



VIEW 2C



1. REMOVE 8-32 X 7/16" SCREW FROM SAFETY CLIP. (VIEWS 1A & 2A)
2. INSTALL THE DOOR, FIRST FROM THE BOTTOM AND THEN HOLD THE HINGE PIN DOWN UNTIL IT ENGAGES THE KWIK LEVEL FULLY ON TOP. (VIEW 2B)
3. WITH DOOR OPEN SLIDE SAFETY CLIP OVER THE KWIK LEVEL. (VIEW 2C)
4. REINSTALL 8-32 X 7/16" SCREW AND TIGHTEN. (VIEW 2C)

NOTE: STANDARD ON ADVANTAGE, OPTIONAL FOR LEGACY.

Entrance Door Anchor Bolt Instructions



Fig. 1

- 1) Remove packing material (Wood)
- 2) Install frame in plumb opening using installation screws.
- 3) Using a 3/8" concrete drill make 2 holes 1 3/4" deep (Minimum) using frame bracket as templet. (Fig. 1)
- 4) Hammer in both Wedge Anchor Bolts (Fig. 2) maximum 1 3/4" deep.
- 5) Install washer and screw nut until you have a tight fit. (Do Not Over Draw Bolt)



Fig. 2



**IMPORTANT
WARRANTY
INFORMATION**

CUSTOMER should retain this copy for their records as it describes the warranty procedures and payment schedule offered by Commercial Display Systems.

**Commercial Display Systems 17341 Sierra Highway, Canyon Country, Ca. 91351
Phone: 818-361-8160 FAX: 818-361-8152**



Commercial Display Systems

17341 Sierra Highway
Canyon Country, CA 91351
818-361-8160 FAX 818-361-8152

Warranty Procedures

Commercial Display Systems warrants all products to be free from defects in materials and workmanship for a period of 2 year from date of purchase. Warranty will cover parts (5 years) and labor (2 years) provided warranty authorization form is submitted with the invoice and the payment schedule is followed. Ballast's have a 5 year parts warranty from date of manufacture CDS will replace defective ballasts as required. Turning lights off and on will shorten the life of lamps and ballast's and may void the warranty. All sealed glass units are warranted for 10 years from date of purchase. All warranty issues must be submitted to Commercial Display systems in writing as no other agency has the right or authority to commit Commercial Display Systems to any warranty or replacement without prior written consent. Warranty does not cover misuse, intentional or unintentional abuse. The following procedures and payment schedules will apply to all warranty issues.

1. Warranty issues must be submitted to Commercial Display Systems in writing and prior written approval must be obtained before any warranty issues will be considered for payment.
2. A warranty authorization form supplied by Commercial Display Systems must accompany all invoices to be considered for payment.
3. To obtain a warranty authorization form requests must be submitted in writing and must include; jobsite name and address, work order number (found on the raceway near the junction box on the frame), how many doors are to be repaired and the type of work to be performed.
4. From time to time Commercial Display Systems may require pictures of the problem area to determine warranty rights, these pictures are the responsibility of the servicing agency and warranty rights will be determined based on the findings of the engineering department of Commercial Display Systems.
5. Commercial Display Systems will pay only for the time to make the repairs as per the attached schedule and will not pay for the initial service call required to determine the cause and extent of the problem or any subsequent follow up service calls unless authorized by Commercial Display Systems.
6. Freight damage is not a warranty issue and is the responsibility of the purchaser, end user, or installing contractor.
7. Defective Ballast's must be replaced with ballast's supplied by CDS installation of aftermarket ballast will void the warranty.
8. Returning items: if you need to return something you purchased from Commercial Display Systems you must obtain a Return Material Authorization (RMA) form from customer service prior to the return and will be subject to a 35% restocking charge. Custom orders are not returnable.
9. For all warranty or return issues contact customer service by email @ renriquez@cdsdoors.net or by fax @ 818-361-8152



Payment Schedule

1. A single trip charge of an amount not to exceed \$75.00 is allowed per warranty authorization billing.
2. Changing out a Kwik Torque or Kwik Level maximum time allowed 15 minutes.
3. Replacing a hinge pin maximum time allowed 15 minutes
4. Changing torque rod maximum time allowed 15 minutes.
5. Changing a handle maximum time allowed 15 minutes.
6. Changing a frame or door hold open plate maximum time allowed 15 minutes.
7. Changing any 3 items listed above on a single door maximum time allowed 30 minutes.
8. Changing a gasket maximum time allowed 30 minutes.
9. Replacing a defective door maximum time allowed 15 minutes.
10. Replacing a lamp socket maximum time allowed 15 minutes.
11. Replacing a frame or door heater wire maximum time allowed 30 minutes.
12. Replacing a ballast maximum time allowed 45 minutes.
13. Replacing a door plug maximum time allowed 30 minutes.
14. Defective Sealed Glass Units require replacing door maximum time allowed 15 minutes.
15. Replacing T8 lamps or LED fixtures are not covered by the labor warranty.

Any time billed in excess of the times allowed above will be the responsibility of the customer and will not be reimbursed by Commercial Display Systems. CDS understands that a 1 hour minimum may apply and will honor warranty work in consideration of the minimum billing time.



Commercial Display Systems
17341 Sierra Highway
Canyon Country, Ca 91351
(818) 361-8160, (818) 361-8152 Fax

Warranty Authorization Form

Customer: _____ Date: _____

Customer Contact Name: _____ Phone: _____

Work Order # _____ Email: _____

Jobsite Name: _____

Jobsite Address: _____ Ship To Address: _____

Number of Doors requiring Service _____

Nature of Problem/Description: _____

Customer Signature: _____ Date: _____

CDS Approved By: _____ Date: _____

Commercial Display Systems will not reimburse either the Customer or Service Agency for any time billed in excess of the time allowed on the payment schedule or for any work performed that is not listed on this Warranty Authorization Form.