



HEAVY DUTY ENTRANCE DOOR

HYDRAULIC CLOSER INSTALLATION GUIDE

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UNPACK THE FRAME

- Remove the cardboard from both sides of the frame crate.
- Orders are sent with frame mounting screws, shims and Installation and Troubleshooting Manual. Remove and save for later use. Note that hinge adjustment instructions and adjustment tools are attached to the door in a separate package.
- Remove the screws holding the frame into the crate.
- Remove the frame from the crate.
- Remove the packaging material holding lamps and/or lamp assembly to the frame (if present) and store lamps and/or lamps flat in an appropriate, out of the way area. Be careful not to damage any of the lamps or lamp assemblies.
- Do not remove door off the crate at this time.

CAUTION: BE CAREFUL NOT TO DAMAGE PINS ON T-8 FLORESCENT LAMPS.

UNPACK THE DOOR

- Remove the cardboard from both sides of the door crate.
- Orders are sent with hinge adjustment instructions and adjustment tools attached to the door. Remove and save for later use.
- Locate the bottom hinge pin with mounting plate. Remove flat socket head cap screw and remove pin plate assembly from bottom of door.
- Remove the door(s) from the crate.

CAUTION: DO NOT LIFT THE DOOR WITH THE PUSH-BAR.

PREPARING FOR INSTALLATION

- Check NCO (Net Cooler Opening) dimensions to insure that the rough opening is correct (see chart below). The Model Number is available on serial plate.

MODEL NUMBER (FIRST SIX CHARACTERS)	DOOR SIZE (W X H)	NUMBER OF DOORS	NCO (W X H)
01R1E1, 01R1E2 or 01R1S1 01D1E1, 01D1E2 or 01D1S1	26" x 80"	1	27-7/8" x 81-5/8"
02R1E1, 02R1E2 or 02R1S1 02D1E1, 02D1E2 or 02D1S1	26" x 80"	2	54-1/2" x 81-5/8"
01R2E1, 01R2E2 or 01R2S1 01D2E1, 01D2E2 or 01D2S1	30" x 80"	1	31-7/8" x 81-5/8"
02R2E1, 02R2E2 or 02R2S1 02D2E1, 02D2E2 or 02D2S1	30" x 80"	2	62-3/8" x 81-5/8"
01R3E1, 01R3E2 or 01R3S1 01D3E1, 01D3E2 or 01D3S1	36" x 80"	1	37-7/8" x 81-5/8"
02R3E1, 02R3E2 or 02R3S1 02D3E1, 02D3E2 or 02D3S1	36" x 80"	2	74-1/2" x 81-5/8"

Note: Not all RM or SD doors used as Beer Cave entrance doors are ADA compliant.

To minimize the amount of caulking required, the NCO should not be more than ¼" larger than the NCO specified above. NCO shimming may be required to properly install the frame.

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ADDITIONAL ITEMS TO CHECK

- Is the floor in the threshold area level? If this area is not level, shimming is required beneath the threshold to support the frame and keep the threshold from distorting.
- Is the opening square? Check all corners with a framing square. Double-check by comparing diagonal measurements. Excessively out-of-square openings will require significant shimming in appropriate areas. **Failure to correctly shim may result in door operation problems.**
- Is the opening plumb? If the opening is excessively out-of-plumb, **door may bind on floor and or fail to close correctly.**
- Are all the cooler panels in the same plane? The wall must be straight and in line without any “warps” or “jogs”. **Conditions of this sort may result in twisting of skewing of the door frame, ultimately affecting operation.** These types of conditions may also result in aesthetic form and fit issues.

NOTE: Correct Installation of any entrance door is critical to correct operation

INSTALLING THE FRAME

- Entrance Doors directly adjacent to or near Reach-In Doors should be installed first. This will allow for correct alignment of the top frames on the subsequent Reach-In frames. Attempting to match this alignment with frames previously installed may result in the threshold not setting on the floor, or “float” off the floor.
- Place the frame in the opening and temporarily secure with a clamp or similar devise.
- Insure that the frame is pushed fully into the opening.
- Adequately shim behind each of the hinge-side frame mounting holes insuring that the frame is plumb and straight.
- Once the hinge-side frame is plumb and in position, install the frame mounting screws. **Do not completely tighten.**
- Repeat on the handle-side frame. Insure that frame is fully shimmed behind each frame mounting hole and the frame is plumb and straight prior to installing frame mounting screws. Do not completely tighten screws.
- Insure that the frame is square and fully shimmed before installing any frame mounting screws in the top frame. This may require a slight loosening of one or more vertical screws to allow for proper squaring of the frame. Do not completely tighten screws.
- Prior to securing the threshold, insure that any required shimming is placed under the threshold mounting holes and base of the vertical frame.
- Reconfirm diagonal measurements. Tighten all mounting screws and secure threshold.
- Trim off any exposed shim stock.
- If frame is equipped with lighting, install the remote ballast box above the top of the frame at this time.
- Caulk the frame.

INSTALLING THE DOOR

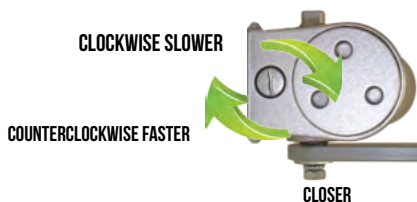
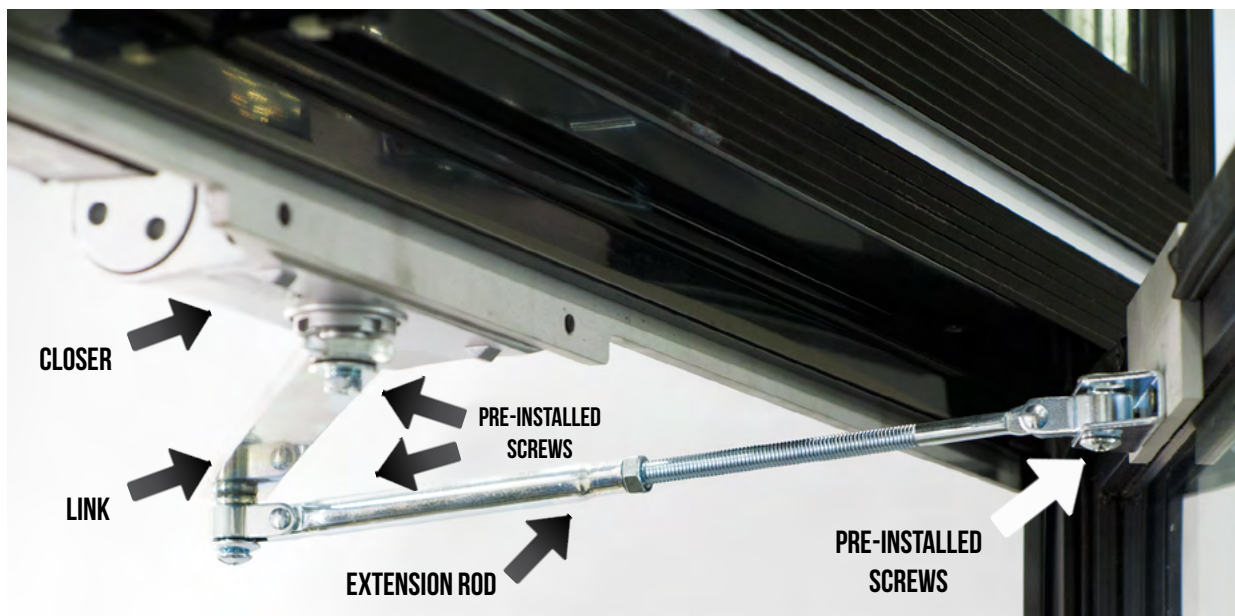
- Remove the hinge mounting screws that are placed in the hinge backer plate by the factory. Set a side in a safe place. **DO NOT remove hinges or screws mounted on door.**
- The hinge mounting screws will not penetrate the shimming, but it is important to provide structure behind the hinge.
- Hold the door in the open position, align the hinge holes with the holes in the backer plate on the frame.
- **Note:** This may require two individuals

CAUTION: DO NOT SUPPORT THE DOOR WITH THE PUSH-BAR

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- Install one hinge mounting screw in the top hinge and tighten.
- Install one hinge mounting screw in each hinge.
- Install and tighten all remaining hinge mounting screws.
- Check for proper door opening and closing.
- Attach the link removed at frame unpacking (see picture below) to the hydraulic closer using the screw pre-installed in the closer. This will result in the link extending from the frame at approximately 90 degrees.
- Remove the two pre-installed mounting screws in door rail and attach the extension rod removed at frame unpacking (see picture below) to the door. Insure that the attachment screw on the door rail bracket is facing down.
- With the door installed and in the closed position, attach the extension rod to the link with the screw pre-installed in the top of the extension rod.

NOTE: The movement of the link to align with the extension rod will pre-load the hydraulic door closer. This will insure that the door closes completely.



SECOND (LATCHING) SPEED ADJUSTMENT
WHEN SLOT IN SPEED ADJUSTING SCREW IS PARALLEL TO DOOR THE LATCHING SPEED IS THE FASTEST AND WHEN PERPENDICULAR TO DOOR THE LATCHING SPEED IS THE SLOWEST. THE SPEED CAN BE VARIED BY POSITIONING THE ADJUSTING SCREW SLOT BETWEEN THESE LIMITS.



CONNECT DOORS TO POWER

- If the doors have power cords at the top of the door, plug the cord into the receptacle in the frame and install the cord retainer screws.
- Locate the power access at the upper left corner of the frame.
- Provide suitable power (voltage to match the name plate on the frame) and make connections in a customer-supplied junction box in accordance with the NEC and any state or local codes. Connections for heaters and lights should be separate circuits.