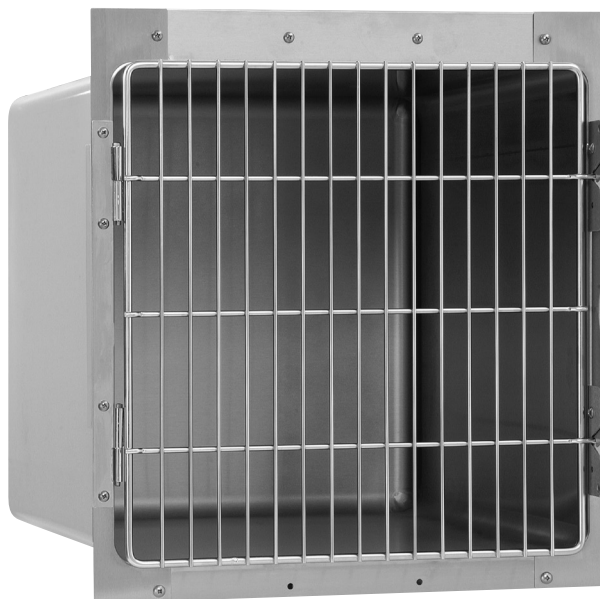




# Midmark Stainless Steel Cages Setup Manual



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# Pre-Installation

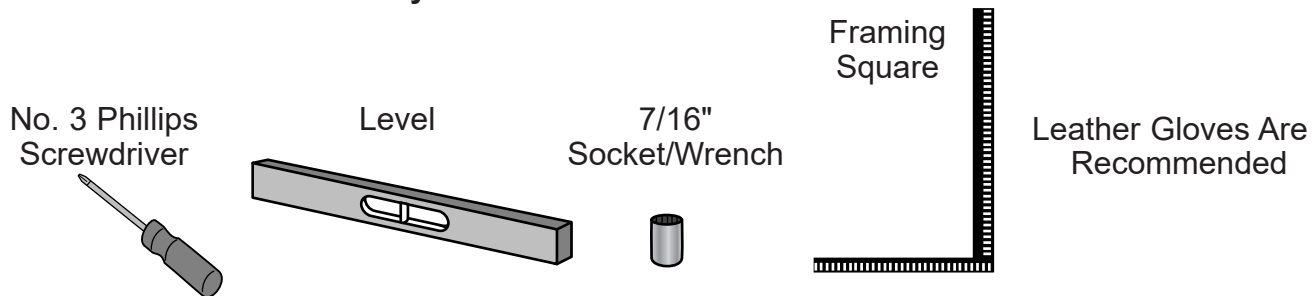
## Note

Save all packaging until certain you are satisfied with the product.

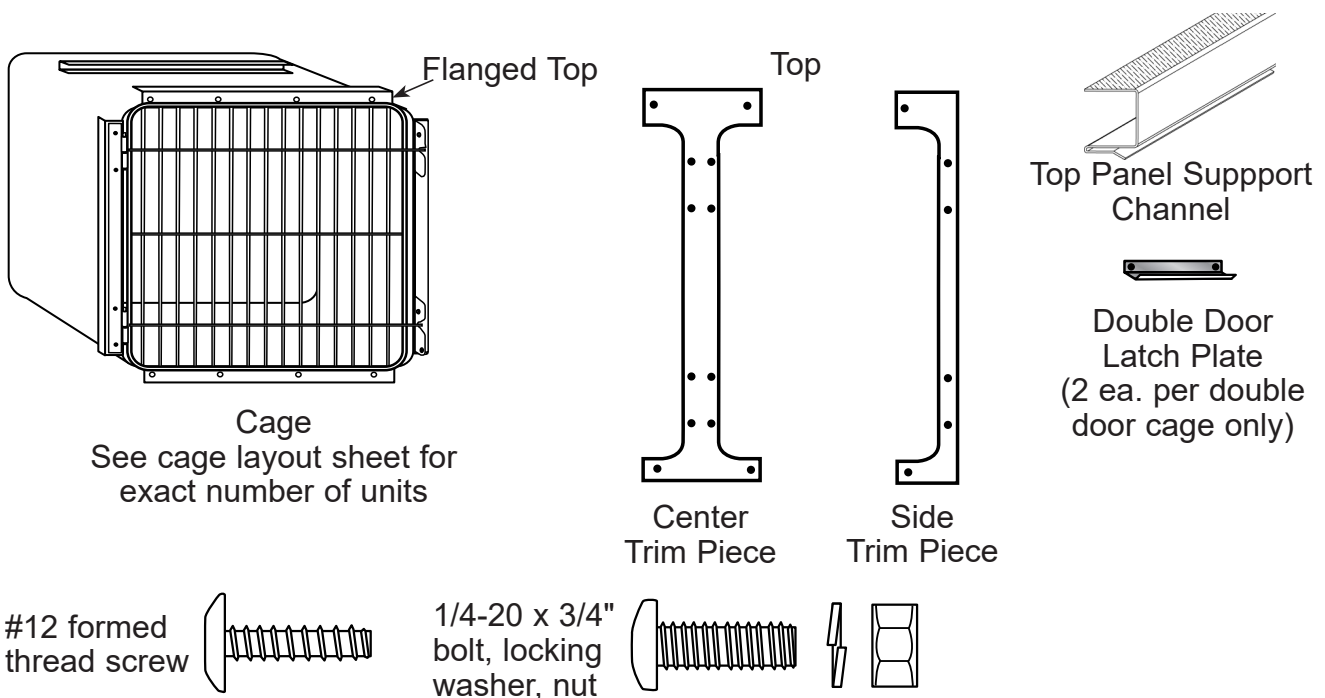
**Claims against shipment damage must be made direct to midmark within 7 days of receipt of merchandise.**

Open packages carefully. Inspect the shipping cartons and contents for any visible damage. This is important in the event that any breakage has occurred during transit.

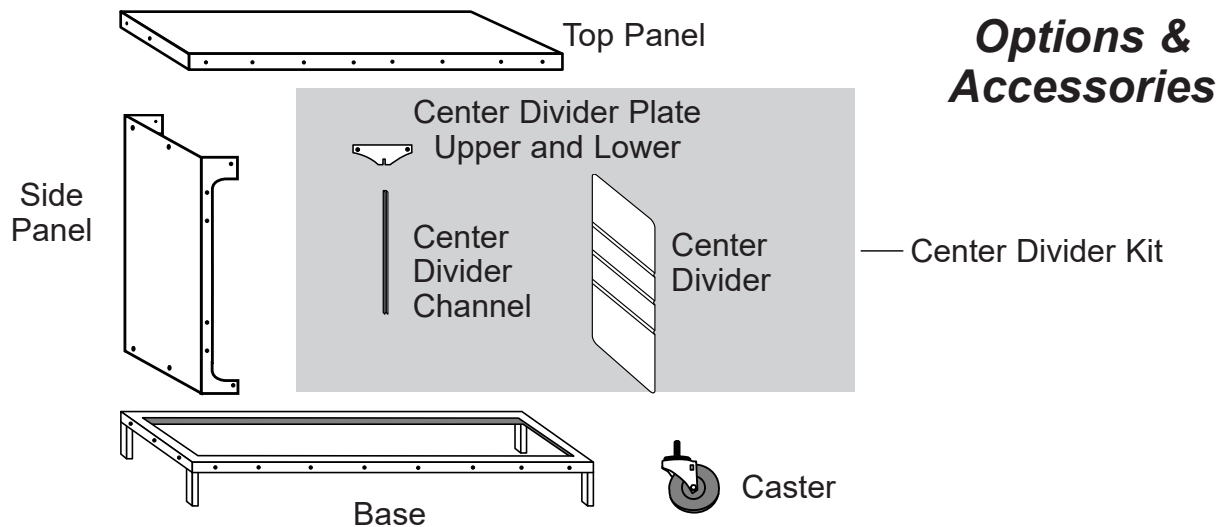
## Tools needed for assembly:



# Parts Identification



# Parts Identification *continued*

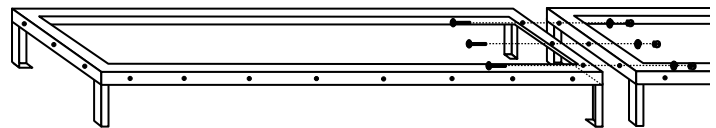
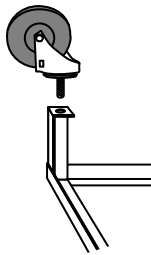


## Base Construction

### Metal Base:

#### **Caster installation:**

Turn base up side down and screw the caster stud into threaded hole of base leg.



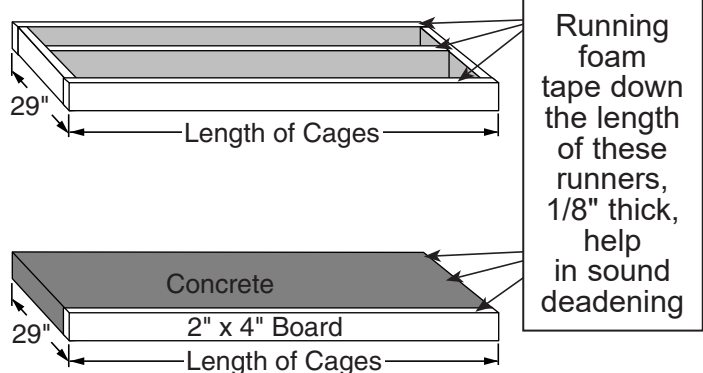
#### **Multiple Unit Linking:**

If several bases have been ordered, they will need to be bolted together using 1/4-20 x 3/4" bolt, locking washer and nut to help insure stability.

**If a metal base option has not been ordered, a base will need to be constructed using one of the following two methods:**

### 2" x 4" Construction:

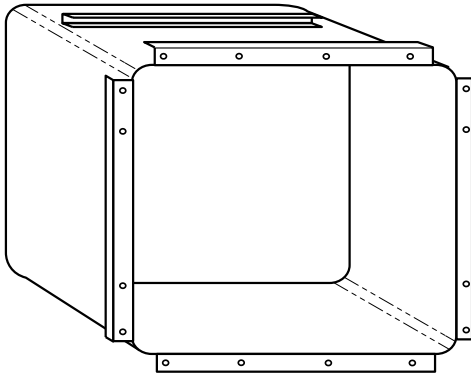
Use treated 2 x 4 lumber. Cut and assemble as shown at right, including a center support. The overall length of the base should match the length given on the cage layout sheet.



### Concrete Construction:

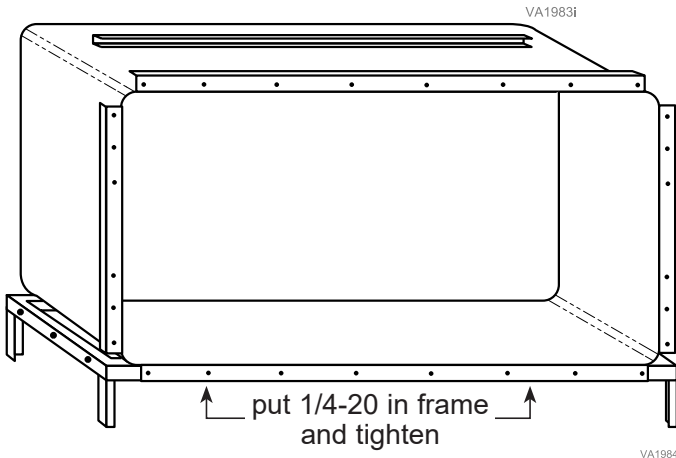
Concrete needs to be formed as shown at right. Enough room should be allowed to leave a treated 2" x 4" on the front of the base (this provides a surface to screw into with wood screws when assembling the cages).

# Assembly



1. All cage banks are shipped with the doors, latches and hinges pre-installed. These must all be removed before assembly.

2. Use level to ensure base is straight, checking front, back and sides. If using metal frame base feet can be adjusted to make it level.

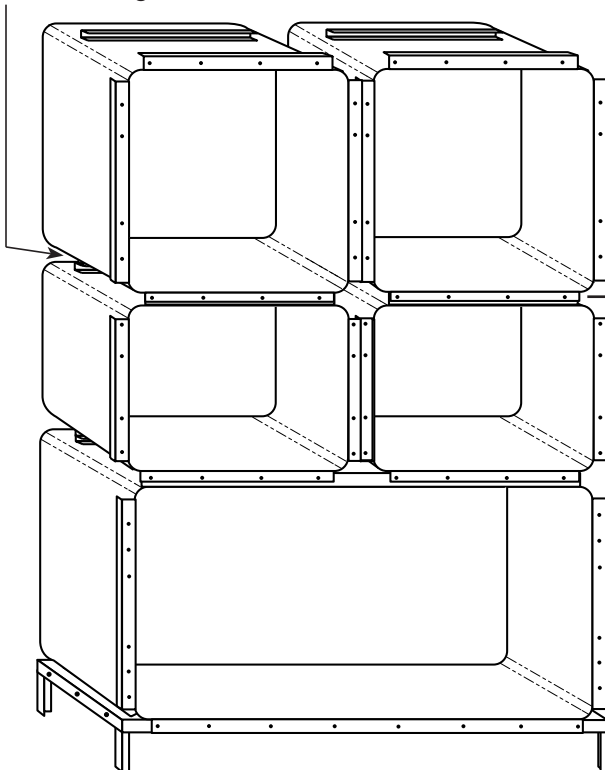


3. Position the first row of cages on the base (refer to the cage layout sheet for identification of the correct bank(s) for the first row.

4. Place the next row of cages on top of the lower row of cages utilizing the pre-installed rear channels to inter lock them in place. (see below for detail of locking channel) **Install but do not tighten screws as you add to the cage bank.**

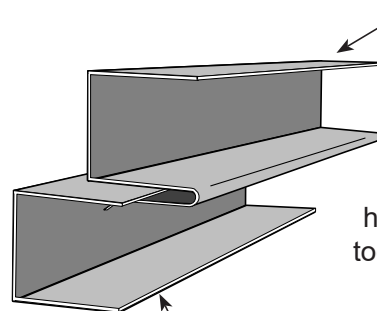
**continued**

rear locking channel  
detail on right below



Overlap the flange from the top cage in front of the flange of the cage below it

Pre-installed on bottom side of cage



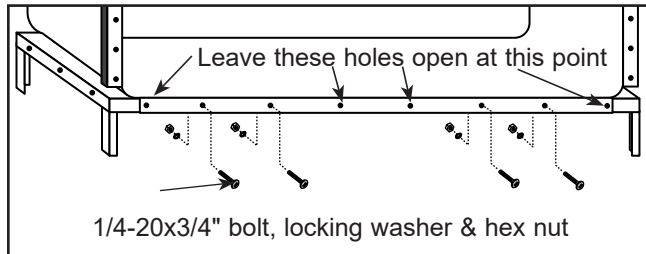
Locking channels are pre-installed on the outside of the cages. They will hold the complete unit together while finishing the assembly.

Pre-installed on top side of each cage

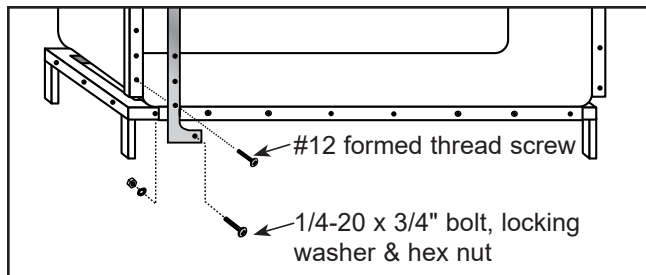
# Assembly continued

## Note

When assembling cages for the first time, always **leave nuts, bolts and screws loosely fitted** so adjustments can be made. When completely assembled, return and firmly tighten.



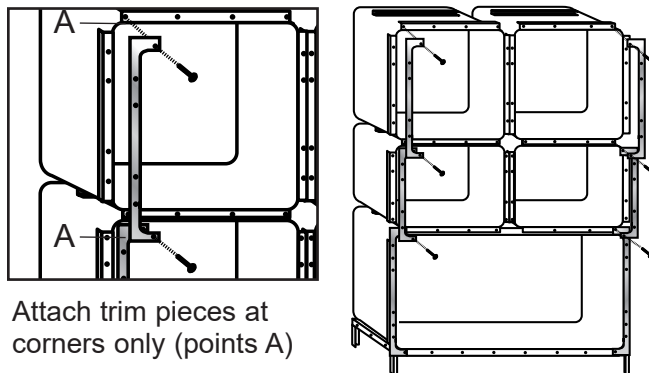
5. It will be helpful to read ahead and note where trim pieces, hinges, and latches will be placed so you don't unnecessarily insert & remove bolts and screws before these items are reattached.



6. After lower row of cages are secured to the base, install trim pieces on bottom cage bank using hardware as shown in the illustration at left (again it will be helpful to note where other trim pieces, hinges and latches will go so you don't unnecessarily insert & remove bolts and screws before these items are reattached).

## Note

If optional side panels have been ordered replace trim strip instructions with optional side panel instructions below.



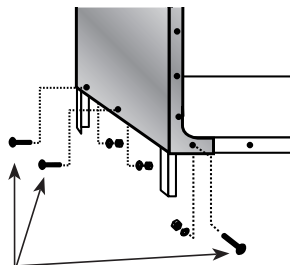
7. Next, install side trim pieces on the upper cages, allow trim pieces from upper row to overlap trim piece of lower row.

## Optional Side Panel Installation

- A. Working from the bottom up, install side panel as you would the side trim strip using 1/4-20 x 3/4" bolt, locking washer and hex nut to secure panel to the base frame. Use formed thread screws to secure the rest of the panel. **Do not expose the adhesive of the double sided foam tape that is installed on your side panel at this point.**

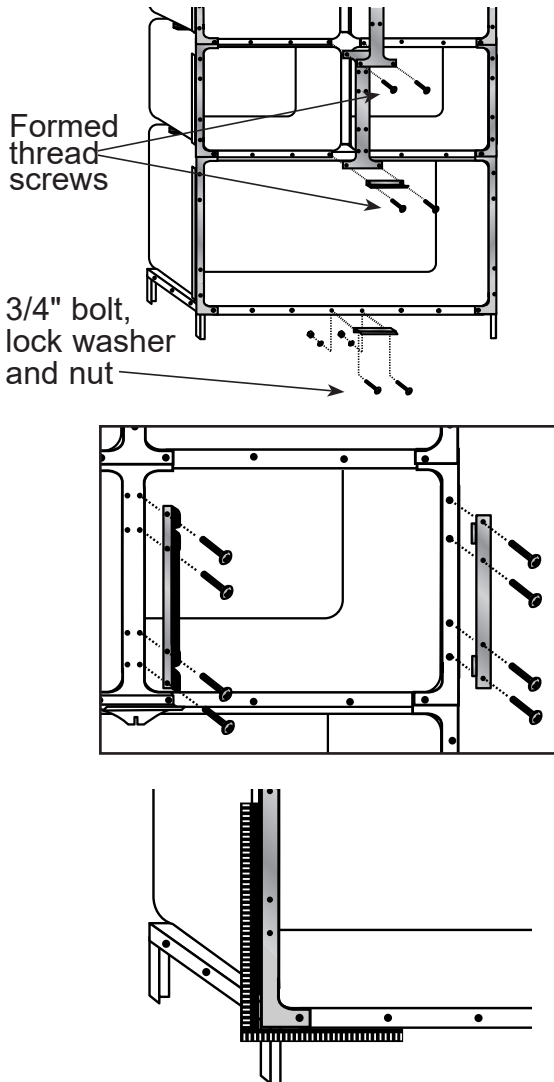
## Note

If using a wooden base replace bolts, locking washers, and hex nuts along the base with 3/4" wood screws (not provided)



*continued*

# Assembly continued



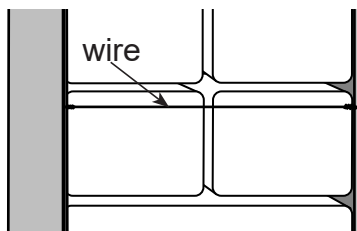
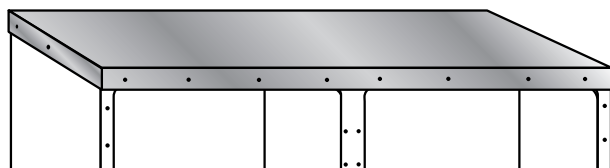
8. Next, install center trim pieces using hardware as indicated at left.

9. Reinstall all door latches and hinges. Using #12 formed thread screws. **Do not tighten screws.**

10. After all trim strips, latches, hinges and slam latch plates have been installed, insert formed thread screws into all remaining open attachment points. (If optional top panel has been ordered, leave the top row of holes open for installation of this panel later in the assembly process).

11. Use framing square and confirm that bank of cages is square. (you may need an extra person to help hold) **Tighten all screws except door latches and hinge plates.**

If side panel option was ordered expose the adhesive on the foam tape that is installed on the panel and firmly press against cage side.



Back View

## 12. Optional Top Panel Installation (requires side panels)

If a series of top panels are used, then install the Top Panel Support Channel (noted in part identification) to the existing cage channel. Remove backing from tape prior to assembly of Top Panel. Install top panel. Place formed thread screws through holes in top panel and tighten

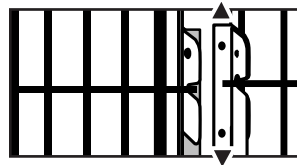
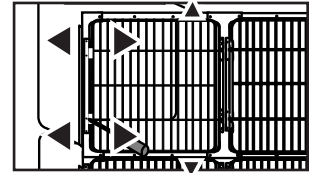
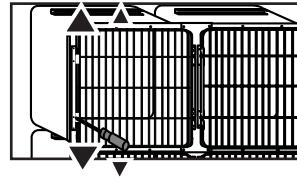
Use holes provide in side panels to string wire across the back of the cage bank. This will secure the back of the side panels. (Wire not included.)

13. Hang all doors using hinge pins

# Door/Latch Alignment

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- 1 Center all cage doors over cage opening. Move hinge plate up and down to align left side door.
2. Once left side door is aligned, move hinge plate left or right to align right side door. **Firmly tighten screws.**
3. Once door is aligned, adjust the latch so door closes properly. Adjust so the horizontal bar protruding from cage door is centered inside the "V" shape of the latch. After centered, firmly tighten screws.



## Double Door Alignment

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1. **Follow previously outlined steps to ensure double doors are centered over cage opening.**
2. Double door latch plate may need adjusted so doors close properly. Loosen two screws holding top plate and slide it into place. Tighten screws. Do same on bottom plate

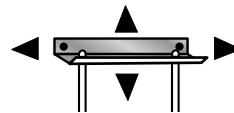
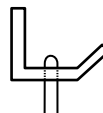


Plate can be adjusted in any direction to ensure proper alignment



Vertical latch rod should extend approx. 1/4" above plate and be centered inside the slot.



# Rotate Squeeze-Trigger Latch

**Important Note:**

The squeeze triggers are positioned to the side for protection when shipped. They should be re-positioned for use.



1. Remove the center screw and face plate with phillips head screwdriver



2. Gently pull the squeeze triggers forward, approximately 90°.



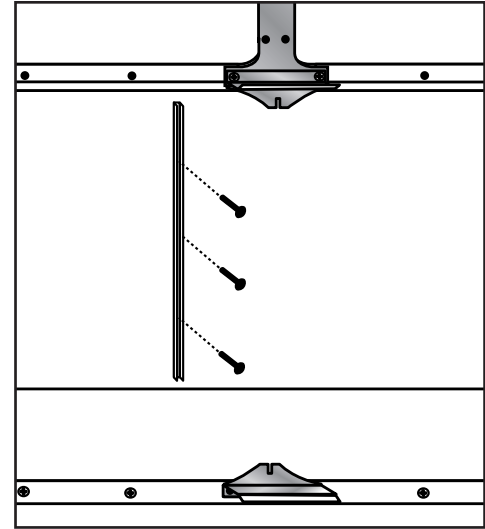
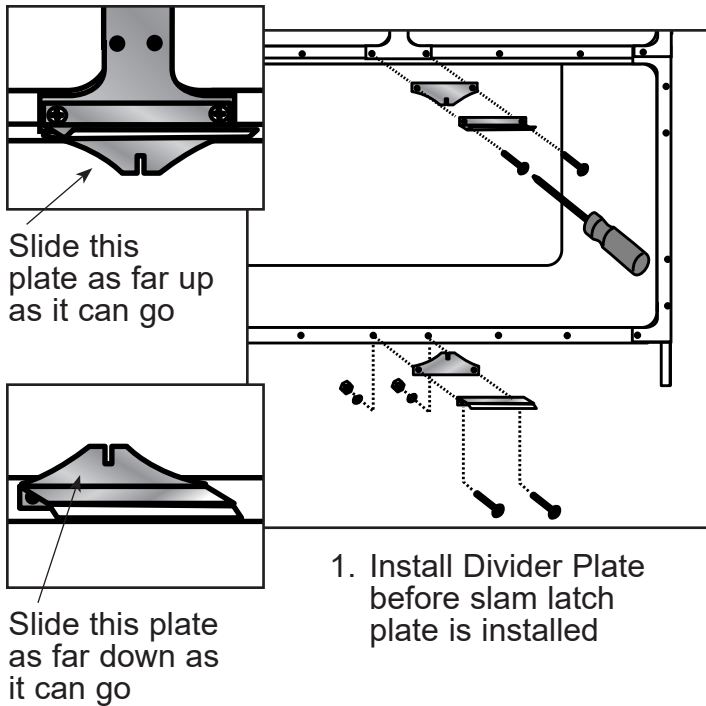
3. Reposition face plate over squeeze triggers.



4. Secure face plate into position with center screw.



# Optional Center Divider



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