

## TOOLS NEEDED

- Pen or Pencil to Mark Holes
- Drill
- Crescent Wrench
- Step Stool or Ladder
- Retaining Tool

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## Receiving and Handling

Upon receipt of your traffic door, uncrate and check unit for shipping damage and/or missing parts. Any damage to the crate or packaging material should be noted on the carrier bill of lading. Exterior damage may indicate concealed damage.

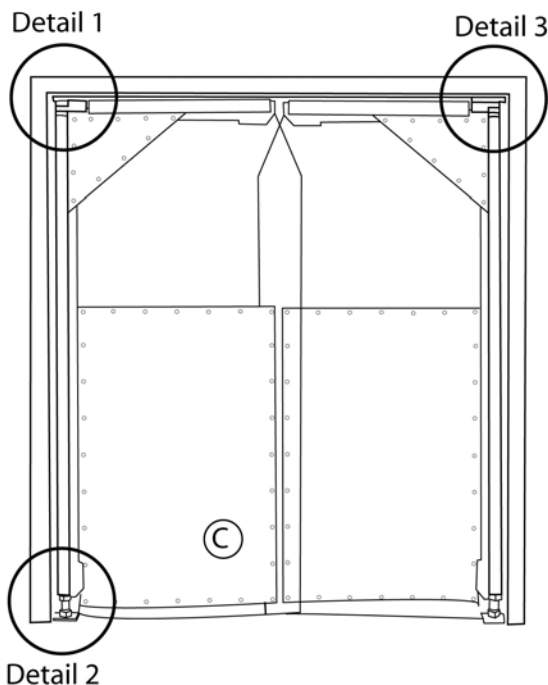
## Doorway Preparation

The key to proper operation of your traffic door is that the lintel is level and the jambs plumb and square with the lintel. Building materials, which make up the lintel and jambs must be in good condition and solid to accommodate the weight and action of your traffic door.

## Traffic Door Preparation

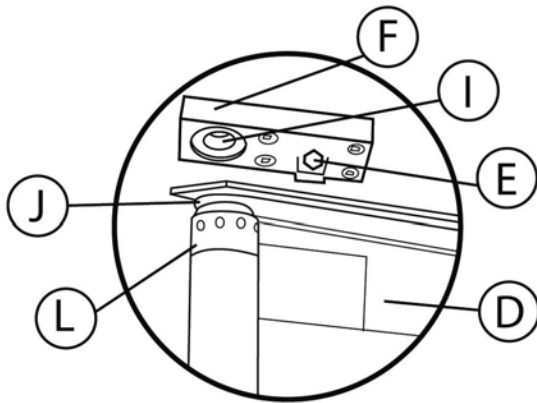
Check the dimensions of your doorway with those of your traffic door. The overall height of the traffic door panels (including hinge frame) should be  $\frac{3}{4}$ " less than the height of your doorway opening. Tighten the lower threaded adjuster (A) aligning the lower pivot pin (B) with the bottom edge of your PVC door panel (C). Open the spring arms (D) and slide down over the spacer plate (not shown in drawing).

**Diagram 1**  
ImpacDor®



1. Secure the upper mounting plate (F) centerline of lintel. If necessary, use shims to insure it is level and square with the doorjamb. Secure with proper fasteners (not supplied) depending on your lintel material or weld in place.
2. Position lower mounting plate (G) aligning the lower pivot hole (H) with the pivot hole (I) in the upper mounting plate (F). Secure with proper fasteners (not supplied) or weld in place.
3. Raise traffic door panel to the vertical position guiding lower pivot pin (B) into pivot hole (H) in lower mounting plate (G). Be careful not to release the bearing enclosed.
4. Align upper pivot pin (J) with pivot hole (I) in upper mounting plate (F). Screw out lower threaded adjuster (A), which will raise the door panel into its proper position. Be sure spring arms (D) slide over the upper adjuster (E) located on the upper mounting plate (F). A space of  $\frac{3}{8}$ " should be left between the horizontal hinge arm and the lintel of the opening.
5. Tighten locking nut (K) to secure door panel in place.

**Detail 1**



6. Use upper adjuster (E) to position the door panel in the center of the lintel. After alignment is achieved tighten locking nut.
7. Repeat same procedure for second traffic door panel (bi-parting models only).

### Adjusting the Tension

**NOTE**

The torsion spring mechanisms are adjusted at the factory for normal operation of the traffic doors. Releasing the tension completely is not advised and care should be taken not to over-tighten as damage to the spring may occur.

*To Increase Tension:*

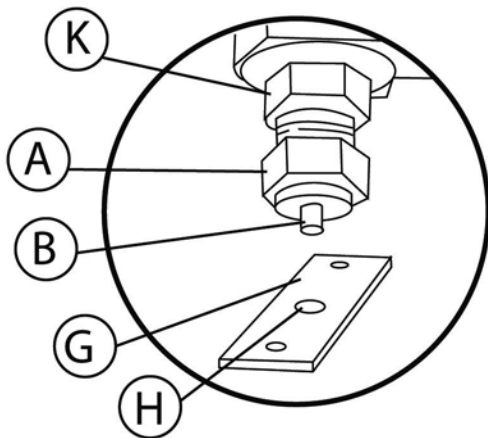
1. Open door panel to 90 degrees. Insert a retaining tool (N) (not supplied) in the second free hole of the adjusting ring (L) starting from the one into which the pin is already inserted.
2. Allow the door panel to close slightly until the retaining tool (N) inserted into the adjusting ring (L) rests against the inside of the doorway.
3. Remove the pin and slowly recluse the door panel until the inside hole of the mechanism matches up with the new hole in the adjusting ring.
4. Insert the pin (M) in the new hole.

*To Decrease Tension:*

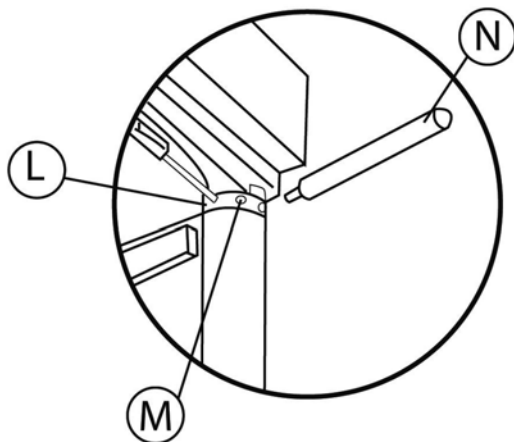
The procedure is the same as increasing the tension with the following two differences:

1. The retaining tool must be inserted only one hole away from the pin.
2. When the pin has been removed, the door panel must be opened instead of closed to insert the pin in its new position.

**Detail 2**



**Detail 3**



**NOTE**

Supra Model door panels may be field modified. Ultra Model door panels may be field modified up to 4" in width and 2" in height.