FLEXIBLE PVC IMPACT DOOR

INSTALLATION INSTRUCTIONS

Tools Required

1) Ladder
2) Level
3) Crescent Wrench
4) Pen or Pencil
5) Drill

Please Note

UPON RECEIPT: Check shipment for damage and missing parts. If any damage is noticed, please make note on bill of lading.

Use a level to ensure correct fitting (Horizontal and vertical). If levels are not acceptable, add a frame on the opening to correct it.

Door Assembly

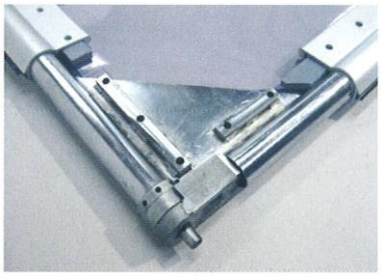
1 – Slide the vertical profile along the strip of the white PVC guide rails. Do the same with the horizontal profile

2 – Slide the junction tubes inside the vertical and horizontal profiles. Put the junction tubes and the two corner plates into position and bolt them together with the bolts provided. Securing the junction tubes, profiles and corner plates together.

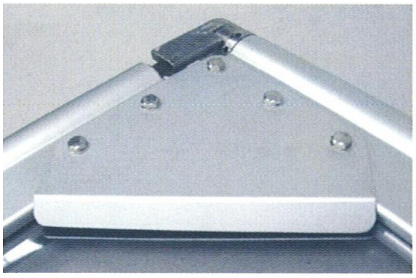
3 – Slide the bottom nut assembly inside the bottom of the vertical profile and screw it through the holes already provided. Grease the ball bearing and insert it into the bottom of the nut assembly.

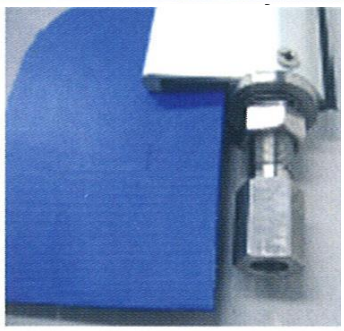
4 – Put the horizontal profile end cover plate into position and use screws provided to fasten it to the horizontal profile.

Return Spring and Junction Tubes

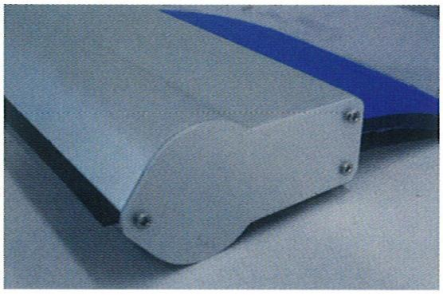


Corner plates





Seal and Cover



Door Installation

1 - Secure the top mounting plate (Fig 1) centerline of the lintel. Use shims if necessary to level the plate and square it with the doorjambs. Secure with fasteners that are acceptable for your application.

2 - Position the lower plate (Fig 2) so that the ball support (A) is aligned with the pivot hole (B) in the top mounting plate. Don't secure to floor yet. Grease ball bearing with provided grease and add ball bearing to the bottom of the adjustment screw. Refer to assembly guide provided in hinge hardware box.

3 - Raise flexible impact door to the vertical position guiding the hole of the adjustment screw into the ball support (A) of the lower plate (C). (Fig 2) Make sure the lower plate is within the proper rotation position of the door.

4 - Align the upper pivot pin with the pivot hole in the top mounting plate. (Fig 3) Take crescent wrench and gradually unscrew the bottom adjustment screw (D) so that the pin of the spring mechanism (E) enters the pivot hole (B) of the top support bracket. (Fig 4) Leave a gap of 1/32" between the top of the door and the doorjamb. Ensure that the vertical frame is plum in both planes, using a level.

5 - Secure the lower plate (C) to the floor with proper fasteners that are acceptable for your application.

6 - Repeat same procedure for second impact door panel (bi-parting models only).

Figure 1

Figure 2

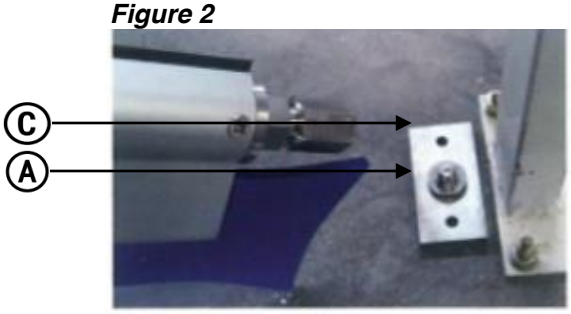


Figure 3

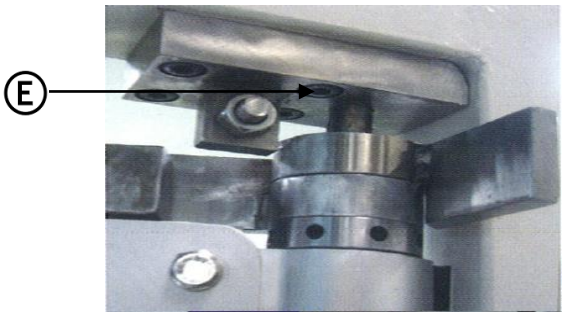


Figure 4

Calibration of Closing Spring

The spring mechanism can be adjusted to increase or reduce its closing force. To add force on the springs proceed as follows:

1 - Open the left to a 90 degree angle and insert the adjustment bar supplied into the hole after the one in which the stop plug is inserted. (Fig 5)

2 - Close the leaf until the adjustment bar rests against the wall.

3 - Take the stop plug out of the hole using a screwdriver or pliers. (Fig 6)

4 - Move the outer arm of the mechanical unit and let the door close. Align the reference hole with the 1st hole adjacent to the adjustment bar and insert the stop plug.

5 - To release the adjustment bar just open the door and take it out.

6 - This operation should be repeated until the required closing force is obtained.

7 - Proceed in reverse to unload the springs.

Figure 5

Figure 6

Adjustment of Door Alignment

During and after fitting, it may be necessary to realign the door leaves. On the top fixture there is an adjustment screw for the purpose. To align the door leaves:

1 - Decide which way to tilt the leaf.

2 - Open the door to allow access to the adjustment screw.

3 - Tighten or loosen the screw to obtain perfect alignment.

4 - Tighten the counter nut. (Fig 7)

Figure 7