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302 SERIES OUTSWING DOOR WITH PB10 HINGES

HINGE ADJUSTMENT GUIDE



Figure 1 – 302 Door - Interior View

Introduction

Adjustments can be made to any of the hinges. Each hinge has two adjustments for moving the sash (door leaf): (1) left or right and (2) up or down. The following pages detail the method for each adjustment.

Coordinated Adjustments

Coordinated adjustments are required for acceptable operation, and to avoid damage to the sash and frame. This is particularly important with left / right adjustments. Since it is only possible to adjust one hinge at a time, adjustments will cause temporary internal stress on the sash and frame.

Required Tools

Left / right adjustments:

- 3mm Allen Key
- 4mm Allen Key

Up/down adjustments:

- 4mm Allen Key

Left | Right Adjustments

Each hinge can adjust the horizontal position of the sash (door leaf), relative to the frame. Ensure that horizontal adjustments are coordinated with all hinges on the door.

Method

1. Insert 3mm Allen key into screw as shown (Figure 2). Loosen this screw by a half turn.



Figure 2

2. Insert 4mm Allen key into screw as shown (figure 3). Adjust the sash to the left or right by turning the Allen key. Observe the movement of the sash. Turning the Allen key counter clockwise moves the sash closer to the hinge jamb side and turning the Allen key clockwise moves the sash away from the hinge jamb side and towards the locking jamb side (where handle is located). This is regardless of which side of the sash the hinge is located on.
 - a. Tip: Count the number of turns you perform, in order to accurately coordinate adjustments at other hinges as required.
 - b. Note: Doors ship from the factory with an equal distance between the edge of the sash to the edge of the frame on both sides and the top, but not the bottom.



Figure 3

3. When you have completed your adjustments tighten the screw you loosened in step 1.

Up | Down Adjustments

Each hinge can adjust the vertical position of the sash (door leaf), relative to the frame. Ensure that equal vertical adjustments are performed on all hinges.

Method

1. Make sure the dead weight of the sash is supported. Have someone lift up on the sash, or use shims to support the sash, to take the weight off the hinges.
2. Insert 4mm Allen key where shown (figure 4). Adjust the sash up or down by turning the Allen key. Clockwise moves the sash up; counter clockwise moves the sash down.
 - a. Tip: Count the number of turns you perform, in order to accurately adjust all hinges by an equal amount.
 - b. Note: Doors ship from the factory with the hinge in the lowest position.



Figure 4

3. You are no longer are required to support the dead weight of the sash.