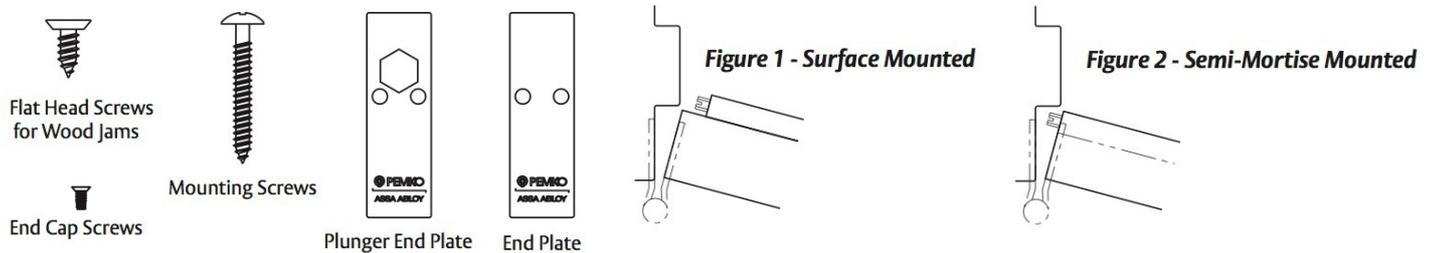




## UNIVERSAL PDB4131 INSTALLATION INSTRUCTIONS:



**NOTE: If a door is fire labeled or of acoustical construction, semi-mortise preparation must be done by the door manufacturer or licensed machinist only.**

**NOTE: If the ADB is to be installed in a semi-mortise application, prepare door according to the dimensions shown in the profile drawing on front of label.**

1. Determine if the application used is:

- Surface mounted or
- Semi-mortised

2. Measure the distance:

- Surface mounted: measure between frame stops
- Semi-mortised: measure net door width

3. Cut the ADB:

- Surface mounted: cut ADB 1/8" less than the distance between the frame stops
- Semi-mortised: cut ADB 3/32" less than the net door width

NOTE: The drop bar is intentionally cut 1/16" shorter on plunger side. When cutting, push bar from plunger side until bar stops.

**WARNING: ADB less than 24" CAN ONLY be cut down by 1/2".**

**WARNING: ADB 24" and over should NOT be cut down more than 2".**

**WARNING: ADB should ONLY be cut from non-plunger side.**

4. Trim and adjust the gasketing inserts so that they project at least 1/16" at each end of the drop bar and case.

5. Place the ADB in the proper location on the door.

- Surface mounted: the plunger contacts the stop (see Figure 1).
- Semi-mortised: the plunger contacts the rabbet (see Figure 2)

6. Fasten the ADB to the bottom of the door with the mounting screws provided.

- The actuating plunger should be located on the hinge side of the door.
- The bottom of the ADB case should be installed flush with the door bottom.

**NOTE: There should not be more than 1/2" gap between bottom of ADB case and the top of the sealing surface.**

7. For wood jams, install the furnished #10x1/2" flat head screw at the point where the plunger contacts the jamb to prevent indenting.

8. Screw the actuating plunger until flush with the case, and adjust it out in increments until the gasket inserts just touch the sealing surface when the door is closed.

**WARNING: Do not over adjust the plunger. It is only necessary to lightly compress the insert gaskets against the sealing surface to provide proper sealing. Over adjustment can cause internal component failure voiding the warranty!**

**WARNING: Do NOT use power tools to adjust the ADB!**



## UNIVERSAL PDB4131 INSTALLATION INSTRUCTIONS (continued):

9. Adjust further as needed for non-level surfaces. The ADB will only adjust to a maximum of 3/16" and will not conform to dips more than 1/16" within the sealing surface.

10. Ensure the drop bar, which contains the gaskets, does not project beyond the case when the plunger is depressed.

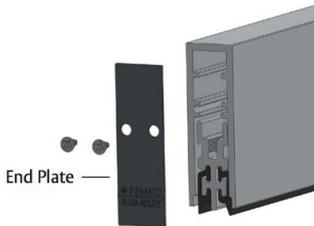
**WARNING: Under NO condition should the drop bar project beyond the edge of the case.**



**Figure 3 - Improper Drop Bar**  
This shows an improper drop bar protruding from the end of the case.

11. If necessary, re-trim the drop bar such that it is flush with the case on the non-plunger side when the plunger is depressed. Refer to instruction # 3 for Note and Warnings.

12. Install the end plate opposite the plunger, with the "This Side In" sticker towards the ADB, using the end cap screws as shown in Figure 4 (PEMKO logo should be visible).

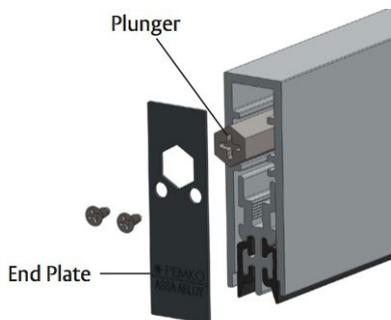


**Figure 4 - Properly Installed End Plate**  
This shows a properly installed end plate.

**WARNING: Do NOT use power tools to tighten screws!**

13. On the plunger side, with the "This Side In" sticker towards the ADB, align the end plate's hexagonal hole with the plunger and install using the end cap screws as shown in Figure 5 (PEMKO logo should be visible).

NOTE: Plunger end plate prevents the plunger from rotating and changing adjustment. This plate may be removed for readjustment later if needed.



**Figure 5**  
Plunger end plate prevents the plunger adjustment from rotating.