# **30-40 Series Floor Closer**

# Center Hung, Double Acting Non-Handed



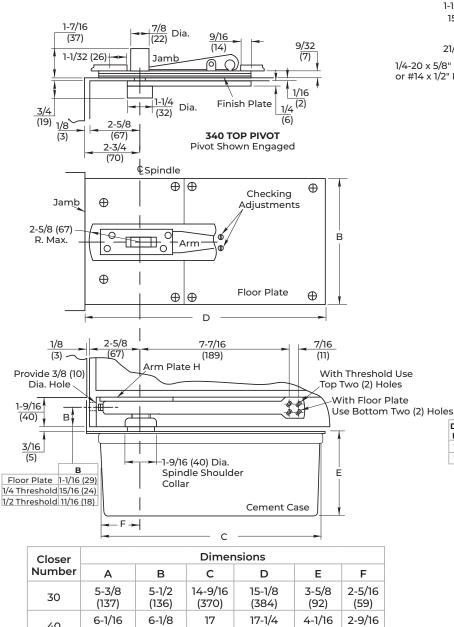


Installation Instructions



This product can expose you to lead which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65warnings.ca.gov.

# **Template**

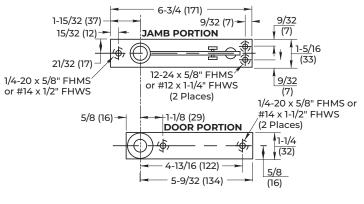


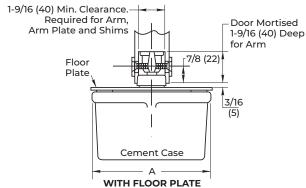
#### 40 (154)(156)(432)(438)(103)(65)

- 1. Do not scale drawing.
- 2. Suitable reinforcing by others.
- 3. External stop by others required.
- 4. All dimensions given in inches.

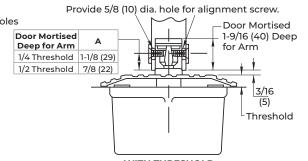
READ AND FOLLOW ALL INSTRUCTIONS. SAVE THESE INSTRUCTIONS.

Incorrectly installed or improperly adjusted product can cause property damage or personal injury. These instructions should be followed to avoid the possibility of misapplication or misadjustment.

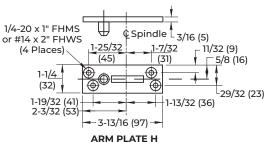




Set Cement Case 1/8" below surface of Finished Floor



WITH THRESHOLD Set Cement Case Flush with Finished Floor



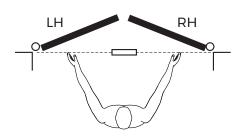
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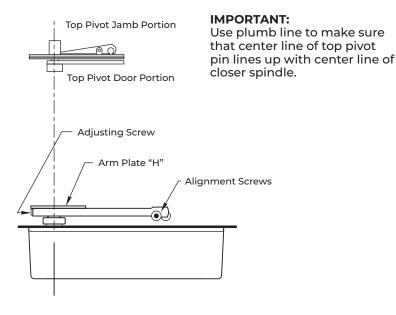
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# **Preparing for Installation**

#### **Determine Hand of Door:**



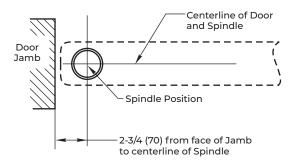
Face a door swinging open away from you. If the door opens to the right, it is right hand. If the door opens to the left, it is left hand.



### **Installation Instructions**

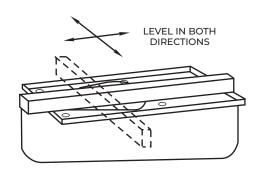
### A. Locating Closer

 Measure 2-3/4" (70mm) out from door jamb on centerline of door. This is the location of the spindle center.



#### B. Install Cement Case in Floor

- 1. For floor plate application: Cement case is set 1/8" (3.2mm) below floor level.
- For threshold application: Cement case is set flush with floor.
- 3. Set cement case in floor and block in position.
- 4. Case should be parallel with center line of door.
- CEMENT CASE SHOULD BE LEVEL. Place levels per Illustration.
- 6. Grout in cement case with closer. Cement should not get between closer and case.



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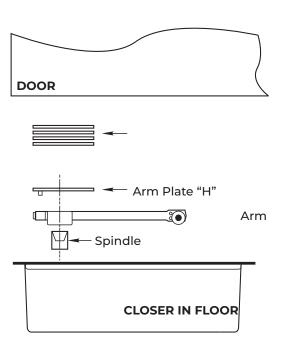
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# **Installation Instructions (cont.)**

#### C. Install Top Pivot and Closer Arm

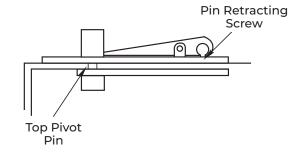
- 1. Install top pivot in door per template.
- 2. Install top pivot in jamb per template.
- Centerline of pivot pin should line up with centerline of spindle. Use plumb line to assure accuracy.
- 4. Mortise door for arm, arm plate "H".
- 5. Drill two 5/8" (16mm) dia. holes for arm alignment screws.
- Drill 3/8" (10mm) hole at heel edge of door for adjusting screw.
- 7. Install arm, arm plate "H", and shims if required.
  - If 1/2" (13mm) threshold is used, install four (4) shims above arm plate "H"-refer to template.
  - If 1/4" (6mm) threshold is used install two (2) 1/16" (2mm) shims above plate "H".
- 8. Attach arm alignment screws and washers to hold arm in place.

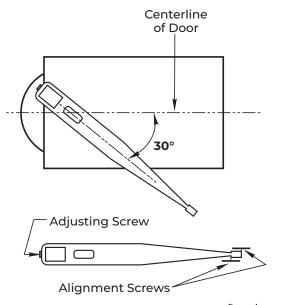


## D. Hang Door.

CAUTION: Closer is shipped with "valve" screws down. DO NOT FORCE VALVE DOWN.

- 1. Retract top pivot pin by turning retracting pin screw counter-clockwise (see illustration).
- 2. With arm on spindle, turn spindle until arm is in  $30^{\circ}$  open position (see illustration).
- 3. Set door on spindle arm. DO NOT ATTEMPT TO CLOSE DOOR.
- 4. Align two portions of top pivot and turn pin retracting screw clockwise to engage top pivot pin.
- 5. Open door to 60° or more and turn valve screws counterclockwise. Door will then close.
- If necessary, turn adjusting screw at bottom of heel edge of door to equalize side jamb clearances.
- Adjust arm alignment screws equally from each side center door in doorway.





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# **Closer Adjustment**

Closing speeds can be adjusted to suit local conditions and requirements. Label on closer face designates the purpose of each adjustment screw. Adjustments are for speed control.

# **Closer Type**

This closer is one of two (2) types as follows:

- 1. Non hold-open factory set. No hold-open adjustments.
- 2. Automatic hold-open factory set. No hold-open adjustment.

# **Spring Power Adjustment**

This closer can be adjusted for increased or decreased spring power.

These adjustments if required should be done by an authorized repair agency.