SARGENT® 1331 DOOR CLOSER INSTALLATION INSTRUCTIONS WITH FOLLOWING ARM SETS: (JP10, JPH10); (JPS, JPSH); (JCPS, JCPSH)

Strength Adjustment From Size 1 Through 6.

CAUTION: FAILURE TO INSTALL OR ADJUST PROPERLY MAY RESULT IN INJURY OR DAMAGE

FOR ASSISTANCE, CALL SARGENT AT 1-800-727-5477 or www.Sargentlock.com

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**Standard Frame Installation**
Closer mounts on opposite to hinge (push) side of door. 1331JP10 Parallel Rigid Non Hold Open arm illustrated.
See Pages 3 and 4

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**Narrow Frame Installation**
Closer mounts on opposite to hinge (push) side of door. 1331JPS arm illustrated.
125JV and 581-1 accessories required for this application (supplied separately).
See Pages 3 and 4

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**Flush Partition Installation**
Closer mounts on opposite to hinge (push) side of door. 1331JCPSH illustrated.
125JVF accessory required for this application (supplied separately).
See Pages 3 and 4
## Components

- Backcheck Valve
- Delay Valve (Optional)
- Latch Valve
- Sweep Valve
- Power Adjustment Shaft
- Soffit Plate
- 582-1 Block (provided)

## Optional Accessories

- For Blade Stop 581-1 Spacer
- For Frame or Blade Stop 125JV Bracket
- For Flush Partition 125JVF Bracket

## Arm Options

- Removable Stop
- Riveted Elbow
- JP10 Parallel Rigid
- JPS Parallel Solid Stop
- JPH10 Parallel Rigid
- JPSH Parallel Solid Stop
- Friction Hold Open Nut
- Thumbturn Hold Open

## JCPS and JCPSH Arm Kit - See page 3

## Preparation for Fasteners

<table>
<thead>
<tr>
<th>Fasteners</th>
<th>Door or Frame</th>
<th>Drill-Sizes</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self-Drilling Screw</td>
<td>Aluminum or Metal</td>
<td>No drill required</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wood (see Note)</td>
<td>3/16” (4.30 mm) (pilot hole required)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/4” - 20 machine screw</td>
<td>Metal</td>
<td>Drill: #7 (0.201” dia.) Tap: 1/4” - 20</td>
</tr>
<tr>
<td>Optional</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sleeve nuts and bolts</td>
<td>Hollow Metal</td>
<td>9/32” (7 mm) through; 3/8” (9.5 mm) door face opposite to closer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Aluminum or Wood</td>
<td>3/8” (9.5 mm) through</td>
<td></td>
</tr>
</tbody>
</table>
| Through-bolts and grommet-nuts | All           | 9/32” (7 mm); 3/8” (9.5 mm) dia. x 3/8” (9.5 mm) deep on door opposite to closer | Pilot hole required when using self-drilling screws for wood door/frame applications.
Assembly Instructions

JP10 conversion:
- Determine hand of arm required and remove appropriate hole cap.
- Position spring buffer assembly on soffit plate and using 5/32” hex wrench provided, thread assembly to soffit plate.

JPS and JPSH conversion:
- Remove stop from existing plate using 5/32” wrench provided.
- Position spring buffer assembly on soffit plate and thread assembly to soffit plate using the 5/32” hex wrench.

Spring stop to be used with these arm assemblies:

Where severe or abusive conditions are expected a separate door stop, supplied by others, is recommended to assist in preventing damage to the door closer, closer arm; or to the door, frame or adjacent walls.
Installation Instructions

- Select angle of opening and use dimensions shown on Page 4 and Dimension Chart below to locate 4 holes on stop side of door for closer body (or 1331-D drop plate, only if required, see page 5) and 5 holes on stop and/or rabbet for Soffit Plate. For applications not covered in these instructions, a separate template will be required.

- Prepare door and frame for fasteners. See “Preparation for Fasteners”, Page 2.

- Set approximate closer power for door size using Power Adjustment Chart below. Use 5/16” wrench to adjust Power Adjustment Shaft (set at 8 turns from factory) 20 turns maximum. Turn nut CLOCKWISE to Increase, COUNTER-CLOCKWISE to Decrease power. See Page 6 for the illustration of this step.

- Mount 1331-D Drop plate ... only if required (see Page 5).

- Install closer with power adjustment shaft toward hinge edge of door.

- For JP10H arm only, check that hand of arm matches hand of door. See arm illustration on page 2 for location of arm handing mark.

- With door closed, closer valves ‘S’ and ‘L’. Then with a wrench, turn pinion shaft 50° or more to permit proper alignment of arm mark with pinion flat - ‘L’ for Left hand door. ‘R’ for Right hand door.

- Reopen valves ‘S’ and ‘L’ by turning counter clockwise.

- With door closed, align soffit plate with mounting holes in frame. Fasten soffit plate to frame with flat head screws provided.

- Make closer adjustments (see page 6) before installing cover

NOTE: DO NOT back valves out of closer or a leak will result.

- Install cover (see page 6).

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**Installation Dimensions Chart**

<table>
<thead>
<tr>
<th>Dim</th>
<th>90°-90°</th>
<th>90°-96°</th>
<th>100°-100°</th>
<th>100°-106°</th>
<th>110°-110°</th>
<th>110°-116°</th>
<th>120°-120°</th>
<th>120°-126°</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3-3/4</td>
<td>9-1/2</td>
<td>1-1/4</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>9-1/2</td>
<td>1-1/4</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Power Adjustment Chart**

<table>
<thead>
<tr>
<th>Door Size</th>
<th>28-32 in</th>
<th>33-36 in</th>
<th>37-42 in</th>
<th>43-48 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>JP10 / JPH10</td>
<td>7</td>
<td>10</td>
<td>13</td>
<td>16</td>
</tr>
<tr>
<td>JPS / JPSP</td>
<td>9</td>
<td>12</td>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>JCP / JCPSH</td>
<td>10</td>
<td>12</td>
<td>14</td>
<td>16</td>
</tr>
</tbody>
</table>

NOTE: Maximum of 20 turns (360°) of Power Adjustment Shaft. Closer is shipped set at mid power setting.

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**Arm Mounting Detail**

1) Start (wrench) here (bottom shaft)

2) Rotate 50° to here

3) Install arm here (see below for details)

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**Main Arm Installation Instructions**

- Left Hand Door
- Door Swing
- Right Hand Door

- Power Adjustment Shaft
- Power Adjustment Shaft

- Pinion Flat
- Arm Mark
- Pinion Flat
- Arm Mark

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**Standard Frame**

Hinge or Pivot

**Narrow Frame**

Hinge or Pivot

**Flush Partition**

Hinge or Pivot

<table>
<thead>
<tr>
<th>Door Opening</th>
<th>Dim C</th>
</tr>
</thead>
<tbody>
<tr>
<td>85°</td>
<td>11-1/8 (282.6)</td>
</tr>
<tr>
<td>90°</td>
<td>10-3/8 (263.5)</td>
</tr>
<tr>
<td>95°</td>
<td>9-5/8 (244.5)</td>
</tr>
<tr>
<td>100°</td>
<td>9-0 (228.6)</td>
</tr>
<tr>
<td>105°</td>
<td>8-3/8 (212.7)</td>
</tr>
<tr>
<td>110°</td>
<td>7-3/4 (197)</td>
</tr>
</tbody>
</table>

*Use 9/16 (14) in openings with blade stops.*

Notes:

Do Not Scale Drawings.
Left Hand Door Shown in all views.
Same dimensions apply for Right Hand Dimensions measured from centerline of pivot point. Dimensions are in inches (mm).
See Page 3 for A & B dimension values.
1331-D Drop Plate Mounting Holes

Standard Frame

Narrow Frame

Flush Partition

**Thumbturn Hold-Open Feature (JPSH and JCPSH)**
The Thumbturn Hold-Open feature is controlled by the knob located on the arm of the unit. Turning this knob clockwise will engage the Hold-Open mechanism and increase the Hold-Open force. Turning this knob counterclockwise will reduce the Hold-Open force and disengage the Hold-Open mechanism.

**Friction Hold-Open Feature (JPH10)**
Hold door open to opening angle desired and tighten holder-adjustment-nut (wrench supplied) or use 1” Box or Open End wrench.

*NOTE: This dimension must be taken from the same surface that the Soffit Plate is fastened to.*

*NOTE: This dimension must be taken from the surface flush with the bottom of 125JVF bracket or from the bottom of the 125JVF bracket.*

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Unit Adjustment

Closing Power Adjustment
Using “Power Adjustment Chart” from Page 3, select the correct number of turns for power adjustment shaft that corresponds with the installation. Rotate adjustment shaft full 360° clockwise turns to desired setting. After closer has been installed and proper adjustments made to the sweep and latch, it may be necessary to re-adjust spring power for good closing action.

Opening Cycle
“Backcheck” valve controls the strength of cushioning in Backcheck Range. NEVER close this valve completely – it is not to provide a positive stop. (see Figure 4 and Figure 5).

Cover– Slide cover insert into the un-used cutout in cover. Install cover using screws provided.

Closing Speed Controls (Figure 2.)
Valve “S” Controls Sweep Range.
Valve “L” Controls Latch Range.

Closing Speed Controls
Figure 2.

CAUTION: DO NOT BACK VALVES OUT OF CLOSER OR A LEAK WILL RESULT.

Attention : Adjust Closing Speed Time to between 4 to 7 seconds from 90°. Use of the door by handicapped, elderly or small children may require greater closing time.

Standard Closing Cycle