Installation Instructions

Non Hold Open Door Closers
Models 1701
1702
1703
1704

With or without prefix “J”
with or without suffix “BC” or “COV”

Select application from illustrations below... Proceed to page shown.

Regular Arm Installation
Closer on hinge (pull) side of door.
See Page 2

Left Hand Door – LH
Right Hand Reverse – RHR

Top Jamb Installation
Closer on frame face on stop (push) side of door.
See Page 3

Right Hand Door – RH
Left Hand Reverse – LHR

Parallel Arm Installation
Closer on door on stop (push) side of door.
See Page 4

Right Hand Door – RH
Left Hand Reverse – LHR

Components:

- Closer Body
- Soffit Plate
- Connecting Rod
- Arm Slide
- Rod Screw
- Cover
- Insert Cutouts
- Cover Insert
- Pinion Cap
- Optional Backcheck Valve
- Latch Valve (2)
- Sweep Valve (1)
- Main Arm
- Arm Shoe
- Insert

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ASSA ABLOY, the global leader in door opening solutions
80-9317-0101-020 (11-14)
**Regular Arm Mount**

**Select door opening angle.** Use template to locate holes on door and frame:
- **4 on door** for closer.
- **2 on frame** face for arm shoe.

**Prepare for fasteners.** See Chart on Page 2.

**Remove rod and shoe from arm assembly.**

**Mount rod and shoe to frame.** (Long end of shoe toward hinge.)

**Mount closer** to door. Place end with two regulating valves toward hinge edge of door.

**Install main arm on closer.** Place arm on pinion at 90° angle (perpendicular) to frame, see “Typical Installation” chart below. Fasten with arm screw.

**Open door slightly.** Align and insert adjusting rod into adjusting tube. Close door. Adjust forearm at 90° angle (perpendicular) to door. Tighten rod screw.

**Adjust closer.** See Page 3 ... Then install pinion cap or cover.

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**Fasteners Chart**

<table>
<thead>
<tr>
<th>Opening</th>
<th>Dim. A</th>
</tr>
</thead>
<tbody>
<tr>
<td>To 100°</td>
<td>7-1/2</td>
</tr>
<tr>
<td></td>
<td>(191)</td>
</tr>
<tr>
<td>101° to 180°</td>
<td>4-1/4</td>
</tr>
<tr>
<td></td>
<td>(108)</td>
</tr>
</tbody>
</table>

- Do not scale drawing.
- Right hand door shown.
- Dimensions are in inches (mm).

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80-9317-0101-020 (11-14)
Select door opening angle. Use template to locate holes on door and frame:

- 4 on frame face for closer.
- 2 on door for arm shoe.

Prepare for fasteners. See Chart on Page 2.

Remove rod and shoe from arm assembly.

Mount rod and shoe to door. (Long end of shoe toward hinge).

Mount closer to frame. Place end with two regulating valves toward hinge edge of door.

**Valve Adjustments**

- **Backcheck Intensity “BC”**
- **Sweep Speed Valve “1”**
- **Latch Speed Valve “2”**

**Closing Cycle**

- Decrease
- Increase

**Opening Cycle**

- Increase

**Reveal Range**

<table>
<thead>
<tr>
<th>Reveal Range</th>
<th>1700 Series</th>
<th>J1700 Series</th>
</tr>
</thead>
<tbody>
<tr>
<td>0° to 4-7/8&quot;</td>
<td>0&quot; to (123)</td>
<td>(123) to (174)</td>
</tr>
<tr>
<td>4-7/8&quot; to 6-7/8&quot;</td>
<td>(123) to (174)</td>
<td></td>
</tr>
</tbody>
</table>

Install main arm on closer. Place arm on pinion at 90° angle (perpendicular) to frame, see “Typical Installation” chart below.

Reassemble arm. Adjust forearm at 90° angle (perpendicular) to door. Tighten rod screw.

Adjust closer. See below.

**Closing power adjustment.** To increase power at “latch” by 15% refer to “Arm Shoe Adjustment” for Regular Arm of for Top Jamb installations only.

**Closing speed** controlled by valve marked “1” (sweep range) and by valve marked “2” (latch range).

**Backcheck Model Closers only** suffix “BC”.

Backcheck controlled by valve “BC”.

Never close “BC” valve completely.
Select door opening angle. Use template to locate holes on door and frame:

- **4 on door** for closer (or drop plate).
- **3 on frame** for soffit plate.

Prepare for fasteners. See Chart on Page 2.

Mount soffit plate to frame.

Remove rod and shoe from arm assembly.

Fasten rod and shoe to soffit plate.

Mount closer or drop plate and closer to door. Place end with two regulating valves toward lock edge of door.

Install main arm on closer. Rotate pinion 45° toward hinge edge of door to align main arm letter “A” (right hand) or “B” (left hand) with Pinion Index Mark, see “Typical Installation” this page. Tighten rod screw.

Reassemble arm. Adjust forearm length to set arm elbow about 1-1/2 (38) from door. Tighten rod screw.

Adjust closer. See Closer Adjustment on Pages 2 & 3.