Installation Instructions

Hold Open Door Closers
1700H

Select application from illustrations below... Proceed to page shown. Closer is shown without cover.

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

Left Hand Door – LH
Right Hand Reverse – RHR

Right Hand Door – RH
Left Hand Reverse – LHR

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

Note: Drop Plate Required

Right Hand Door – RH
Left Hand Reverse – LHR

Left Hand Door – LH
Right Hand Reverse – RHR

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

Right Hand Door – RH
Left Hand Reverse – LHR

Left Hand Door – LH
Right Hand Reverse – RHR

Components:

Closer Body
Latch Valve (2)
Sweep Valve (1)
Backcheck Valve
Pinion Cap

Cover

Soffit Plate Spacer
Arm Shoe
Connecting Rod
Arm Slide
Rod Screw

Main Arm

Soffit Plate

CAUTION
An incorrectly installed or improperly adjusted door closer can cause property damage or personal injury. These instructions should be followed to avoid the possibility of misapplication or misadjustment.

WARNING
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.

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Installation Instructions

Regular Arm Mount
1700H

- Select size mounting. 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.
  Nut Up for Right Hand door
  Nut Down for Left Hand door

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

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

Auxiliary Stop Required
(By Others)

- 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.

### Fasteners Chart

<table>
<thead>
<tr>
<th>Fasteners</th>
<th>Door or Frame</th>
<th>Drill-Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5mm Dia. type “A” sheet metal screw</td>
<td>Wood</td>
<td>3/32” (2.5 mm.)</td>
</tr>
<tr>
<td>M5 X 0.8 FHMS</td>
<td>Metal</td>
<td>Drill: #19 (4.2mm dia.) Tap: M5 X 0.8</td>
</tr>
<tr>
<td>#14 type “A” sheet metal screw</td>
<td>Wood</td>
<td>7/32” (5.56 mm.)</td>
</tr>
<tr>
<td>1/4” - 20 machine screw</td>
<td>Metal</td>
<td>Drill: #7 (0.201” dia.) Or 5.10mm tap: 1/4” - 20</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>SIZE</th>
<th>DIM. A</th>
<th>DIM. B</th>
<th>DOOR WIDTH</th>
<th>DOOR WEIGHT</th>
<th>DOOR OPEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>2-3/8” / (60)</td>
<td>6-7/8” / (175)</td>
<td>36” Max</td>
<td>125 lbs</td>
<td>180°</td>
</tr>
<tr>
<td>4</td>
<td>5-5/8” / (144)</td>
<td>10-1/16” / (256)</td>
<td>42” Max</td>
<td>150 lbs</td>
<td>180°</td>
</tr>
</tbody>
</table>

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80-9317-0107-020 (04-19) REV-1
Top Jamb Mount
1700H

Installation Instructions

A

Top View Typical Installation

Valve Adjustments

- **Sweep 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.
- **Hold Open Adjustment.** Open door to angle of hold open desired. Tighten hold open adjustment nut with a 13/16” wrench or socket.
**Parallel Arm Mount 1700H**

- **Select size mounting.** 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.**

**Installation Instructions**

- **Remove rod and shoe from arm assembly.**
- **Fasten rod and shoe to soffit plate.**
  - Nut Up for Right Hand door.
  - Nut Down for Left Hand door.
- **Mount closer or drop plate and closer to door.**
  Place end with two regulating valves toward lock edge of door.

- **Preload Closer.** Place wrench on bottom pinion and rotate wrench 45° away from door face.

**Chart on Page 2**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>DIM. A</th>
<th>DIM. B</th>
<th>SPACER (Installed)</th>
<th>DOOR WIDTH</th>
<th>DOOR WEIGHT</th>
<th>DOOR OPEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>5-3/8&quot; / (136.5)</td>
<td>4-9/16&quot; / (152.5)</td>
<td>NO</td>
<td>36&quot; Max</td>
<td>125 lbs</td>
<td>180°</td>
</tr>
<tr>
<td>4</td>
<td>5-3/8&quot; / (126.5)</td>
<td>4-9/16&quot; / (152.5)</td>
<td>YES</td>
<td>42&quot; Max</td>
<td>150 lbs</td>
<td>180°</td>
</tr>
</tbody>
</table>

**Auxiliary Stop Required (By Others)**

- **Rod Screw**
- **Soffit Plate**
- **Spacer**
- **Rod & Shoe**
- **Main Arm**
- **Cover**
- **Pinion Cap**