


J1600 Series UniTrol Non-Handed Door Closer

Arm Models UNI-J1601, UNI-J1603BC, and UNI-J1604BC

Top Jamb Mount Installation Instructions

Non-hold Open and Hold Open (H) models, adjustable size 1-6 (UNI-J1601(H) model ) and size 3 & 4 (UNI-J1603BC(H) and UNI-J1604BC(H) models). Hold open models are not UL-listed.

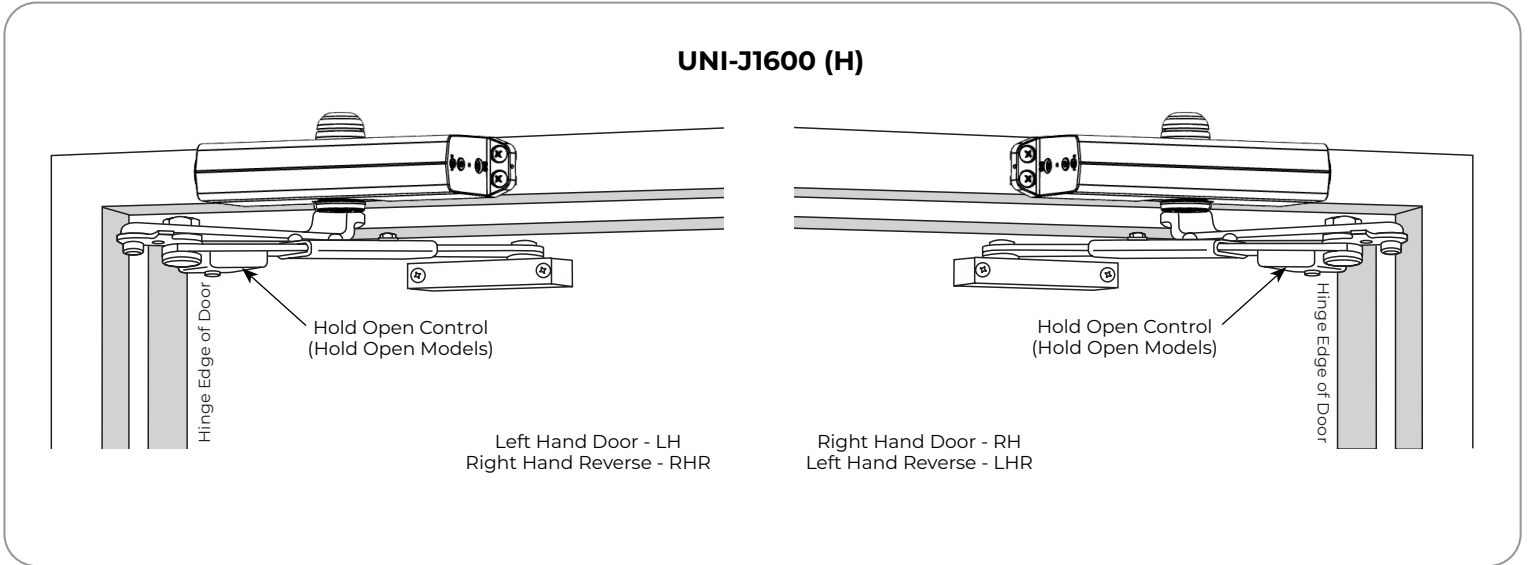


WARNING

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.


READ AND FOLLOW ALL INSTRUCTIONS.
SAVE THESE INSTRUCTIONS.





Included Components

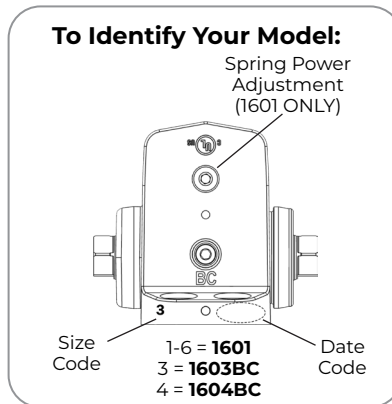
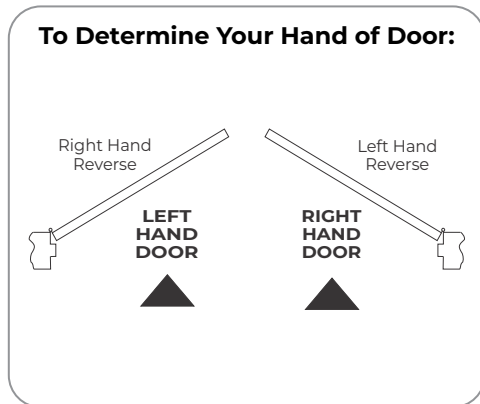
Optional Components

Hold Open
On  Off 





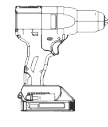
Hold Open Force
Press & Turn 

Decrease  Increase 

Hold Open



Tools Needed:

				
Tape Measure	Punch	Pencil	Philips Screwdriver	Adjustable Wrench
		#7 and 1/4-20 for Metal	3/16" and 9/32" for Wood	3/8" and for Either Nut & Bolt Option
Safety Glasses	Drill	#7 and 1/4-20 for Metal	3/16" and 9/32" for Wood	3/8" and for Either Nut & Bolt Option



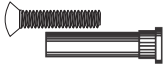


ATTENTION:

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


- For special applications, a separate door and frame preparation template is packed with these instructions. Use this instruction sheet for installation sequence and closer adjustments only.
- Doors should be hung on ball bearing or anti-friction hinges.

- Door and frame must be properly reinforced.
- Always consult door/frame manufacturer for fastener compatibility.
- Adjust closing time speed between 4 and 7 seconds from 90° to 0°. Use of door by handicapped, elderly or small children may require greater closing time.
- These door closers should NOT be installed on exposed side (weather side) of exterior doors.
- Dimensions are given in inches (millimeters).

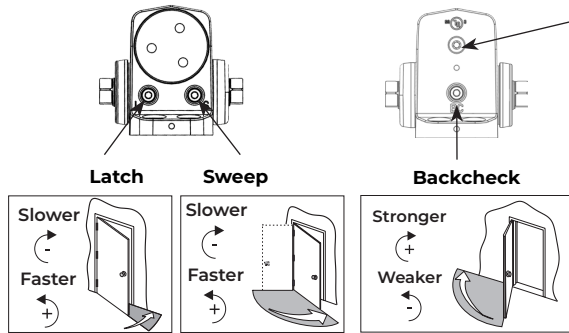
Supplied Hardware

	Mounting Hardware	Door or Frame	Drill
	Closer to Frame: 1/4-14 x 1-1/2 Oval Flat Head Mach. Screw	Wood/Metal	3/16" (4.8mm) for wood
	Closer to Frame: 1/4-20 x 3/4 Oval Flat Head Mach. Screw	Metal	Drill #7 (.201 dia. or 5.1mm) Tap 1/4-20
	Arm Foot to Door: Sleeve Nut and Bolt (SNB) with 1/4-20 x 1-1/2 Oval Flat Head Mach. Screw (recommended)	Hollow Metal	9/32" (7.0mm) thru 3/8" (9.5mm) door face opposite to closer
		Aluminum or Wood	3/8" (9.5mm) thru
	Arm Foot: Thru Bolt and Grommet Nut (TBGN) (optional)	All	9/32" (7.0mm) thru 3/8" (9.5mm) dia. x 3/8" (9.5mm) deep, door face opposite to closer
	Arm Foot to Door: 14-10 x 2 Flathead Sheet Metal Screw	Wood	3/16" (4.8mm)

Closer Adjustments

 Use provided hex wrench to turn valves. NEVER force valves out of closer. NEVER completely close backcheck valve. Door must be open to adjust spring closing power. Refer to the chart.

Use of a power drill will void the Warranty.



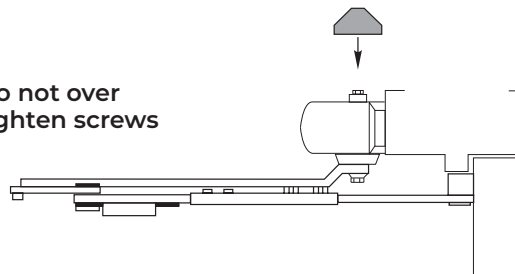
		Power Adjustment Chart					
Door	Top Jamb	*	Maximum Door Size				
			34" (0.85M)	36" (0.90M)	40" (1.00M)	44" (1.10M)	48" (1.20M)
INT	1601	Full 360° Turns of Power Adjustment Shaft	2	4	6	10	12
EXT			3	5	8	11	14

*30 Full (360°) turns maximum available = turns as shipped

Pinion Cap or Cover

Screw pinion cap onto pinion shaft by hand or with a Phillips screwdriver.

 Do not over tighten screws



J1600 Unitrol Top Jamb Mount Installation

1. Prepare door and frame.



NOTES:

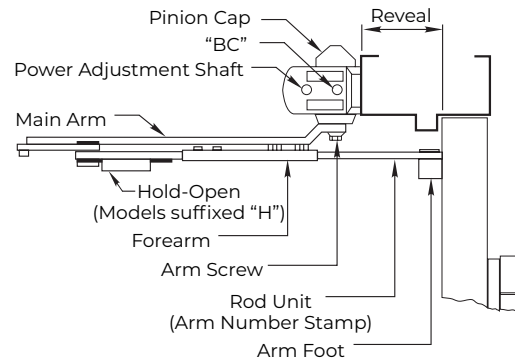
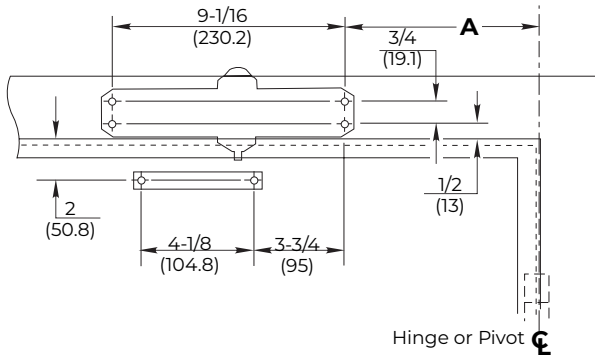
IMPORTANT: Installation instructions cover either non hold open or hold open models.

- If ceiling clearance is between 1-3/4" and 2-5/8" (44 - 67mm), use 1687 Drop Plate. Prepare door and frame accordingly.
- Using dimensions for hold-open or stop angle desired, mark and drill
 - Four (4) holes on frame face for closer (or drop plate)
 - Two (2) holes on door for arm foot
 - UNI1601 ONLY: Set approximate closing power using "Power Adjustment Chart" on page 2.

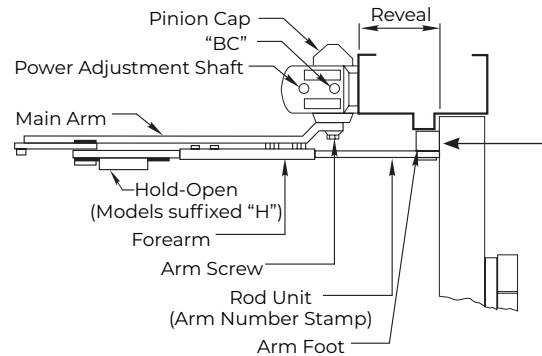
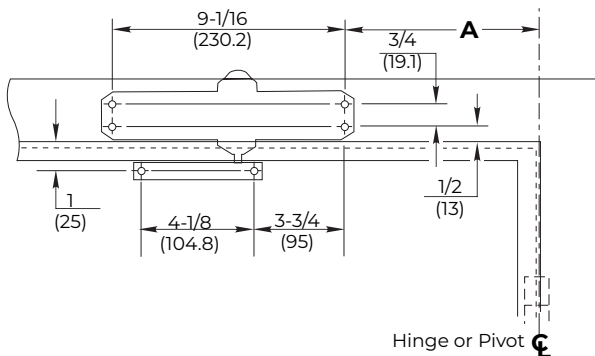
Opening		Dimension A
Hold Open	Stop	Inches (mm)
85°	90°	9-1/8 (232)
90°	95°	8-3/8 (213)
95°	100°	7-3/4 (197)
100°	105°	7-3/8 (187)
105°	110°	6-3/4 (171)
110°	115°	6-1/2 (165)

Arm Identification (Stamped on Arm)		
Reveal	Non Hold Open	Hold Open
0" - 3/8" (0 - 10mm)	J6600-4	J6600-7
1/2" - 2" (13 - 50mm)	J6200-4	J6200-7
2-1/8" - 3-1/4" (55 - 83mm)	J6100-4	J6100-7
3-3/8" - 4-1/4" (85 - 108mm)	J6400-4	J6400-7
4-3/8" - 5-3/8" (111 - 137mm)	J6500-41	J6500-71
5-1/2" - 6-3/8" (140 - 162mm)	J6500-42	J6500-72
6-1/2" - 7-3/8" (165 - 187)	J6500-43	J6500-73

Hollow Metal or Wood Openings Template



Aluminum Openings Template*

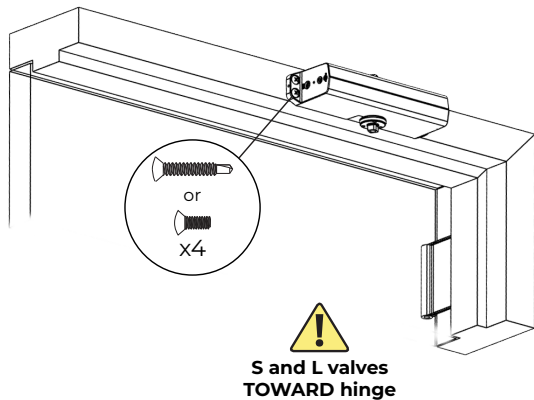


*Rotate the Arm Foot for this application.

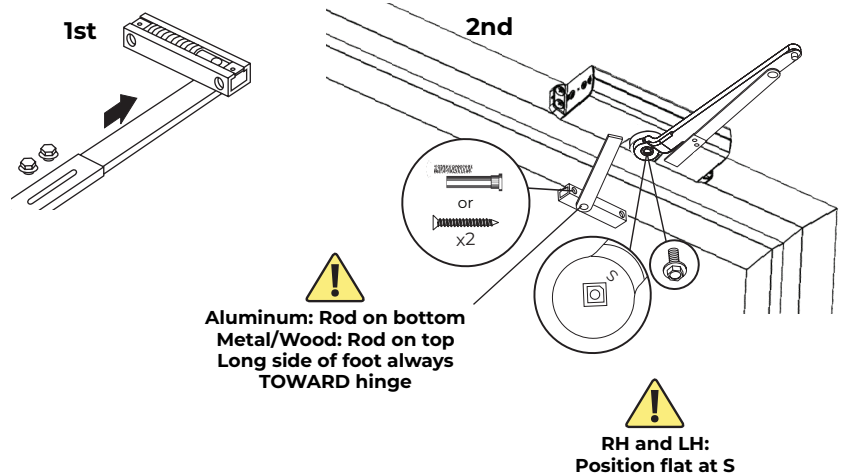
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J1600 Unitrol Top Jamb Mount Installation (cont.)

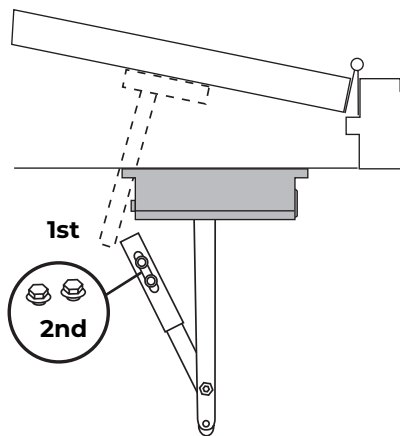
2. Mount closer.



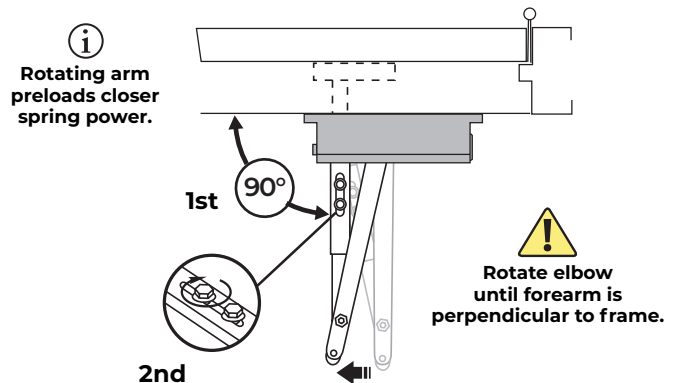
3. Remove rod unit from slide unit and install separate arms.



4. Connect arms and install rod screws.



5. Preload spring and tighten rod screws.



The **1600 UniTrol Arm Closer - Top Jamb Mount** has now been installed.

● Go to page 2 for closer adjustments and decorative cap installation.

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