

1431 Series

Non Handed Door Closer

Standard Mount
Top Jamb Mount
Parallel Arm Mount

Hold Open Arm Models

Adjustable (Sizes 1-6)

25-H

25-HZ

25-HZA

25-PH9



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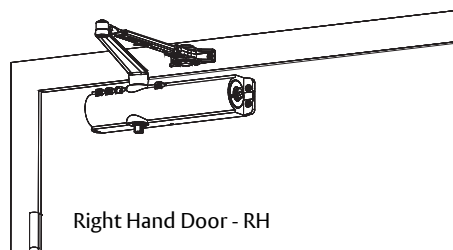
WARNING

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.

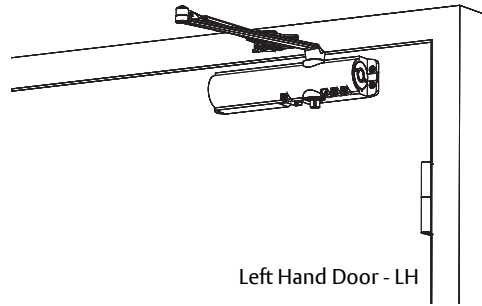
Ce produit peut vous exposer au plomb qui, dans l'état de la Californie, est reconnu pour causer le cancer, des anomalies congénitales ou d'autres problèmes de reproduction. Pour plus d'informations, visitez: www.P65warnings.ca.gov.

Standard Mount

Closer mounts on hinge side of door



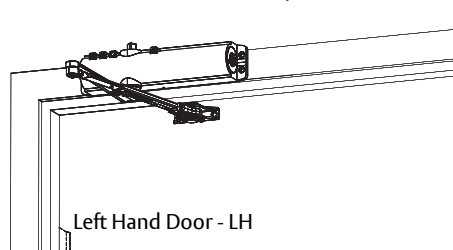
Right Hand Door - RH



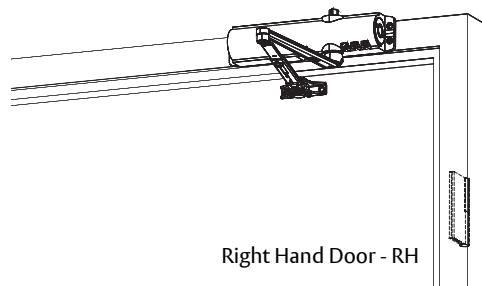
Left Hand Door - LH

Top Jamb Mount

Closer mounts on frame of stop side of door



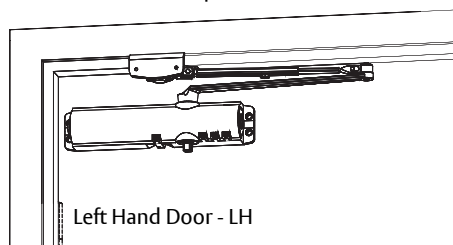
Left Hand Door - LH



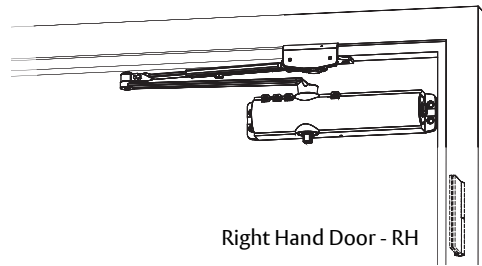
Right Hand Door - RH

Parallel Arm Mount

Closer mounts on stop side of door

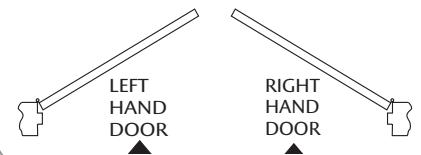


Left Hand Door - LH

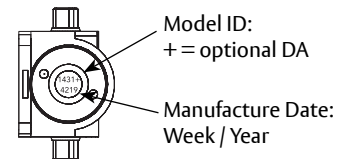


Right Hand Door - RH

To Determine Your Hand of Door:



To Identify Your Closer:

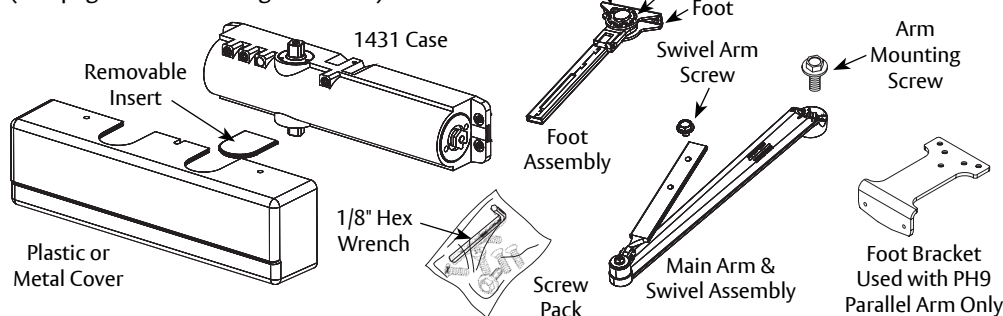


Tools Needed

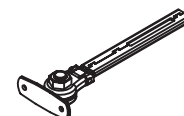


Included Components

(See page 2 for mounting hardware)



Legacy Friction Hold Open Arm



Note: Legacy FHO arm has installation orientation. See 80-9300-0005-000, available online.

H8 Mortise Friction Hold Open Arm

Note: H8 arm is handed same as door. See template A7233, available online.

PH4 Friction Hold Open Arm

Note: PH4 parallel arm is used for flush frame applications. See template A7229, available online.

1431 Hold Open Closer

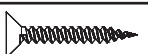
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ATTENTION:

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.
- A separate door stop is recommended.
- Always consult door/frame manufacturer for fastener compatibility.
- Door and frame must be properly reinforced.
- Adjust closing time speed between 3 and 6 seconds from 90° to Close. Greater closing times may be required for elderly or handicapped.
- DO NOT install closer on exposed side (weather side) of exterior doors. **Warranty will be void.**
- Dimensions are given in inches (millimeters).

*Mounting Hardware		Door or Frame	Drill
	Case, Foot or Optional PH9 Bracket: #12 x 1-1/2 Phillips Flat Head Self Drilling Tapping Screw	Wood	3/32" (2.38mm)
	Case, Foot or Optional PH9 Bracket: #12 x 1-1/2 Phillips Flat Head Wood Screw		
	Case, Foot or Optional PH9 Bracket: #12-24 x 5/8 Phillips Flat Head Machine Screw	Metal	Drill #16 (.177) Tap 12-24
	Case and/or Foot: Mortise Nut (optional)	Hollow Metal	1/4" (6.00mm) thru 3/8" (9.50mm) door face opposite to closer
		Aluminum or Wood	3/8" (9.50mm) thru

* Security Torx screws supplied upon request, not shown

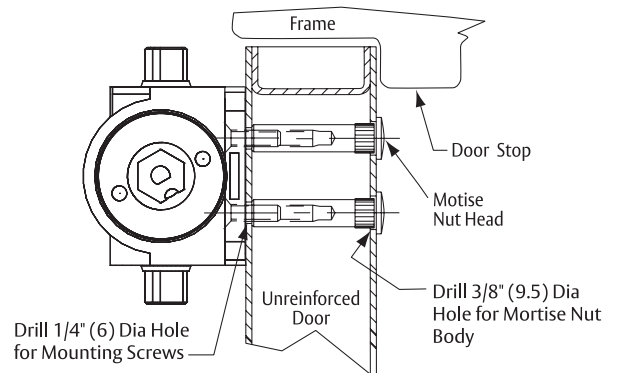
Mortise Nut and Screw Detail

Top jamb and corner bracket applications: Door closer foot will be attached to the door in a manner similar to that shown for mounting the case.

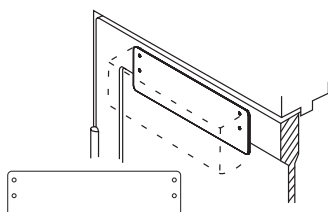
Appropriate mortise nuts and screws will be supplied based on door thickness.

Door construction must provide a bridge type reinforcement to prevent the door rail from collapsing when screws are tightened.

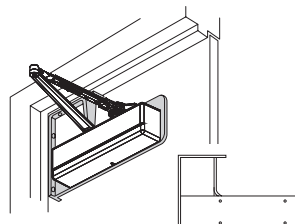
If distance between door stop and center of mortise nut head is less than 7/8" (22mm), stop must be cut to clear head or head must be recessed.



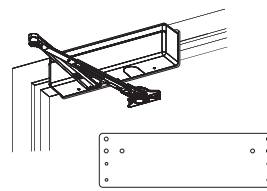
Accessories



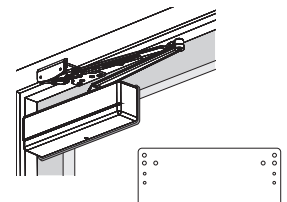
1431J Cover Plate
Standard or Parallel Mount
May be used when closer is mounted on a narrow rail to improve appearance when viewed through glass



1431W Corner Bracket
Standard Mount
(secured to jamb on stop side of door)
May be used to keep closer inside of building on an exterior door or to obtain full 180° door opening



1431B Mounting Plate
Top Jamb Mount
For low ceiling conditions or narrow frame face



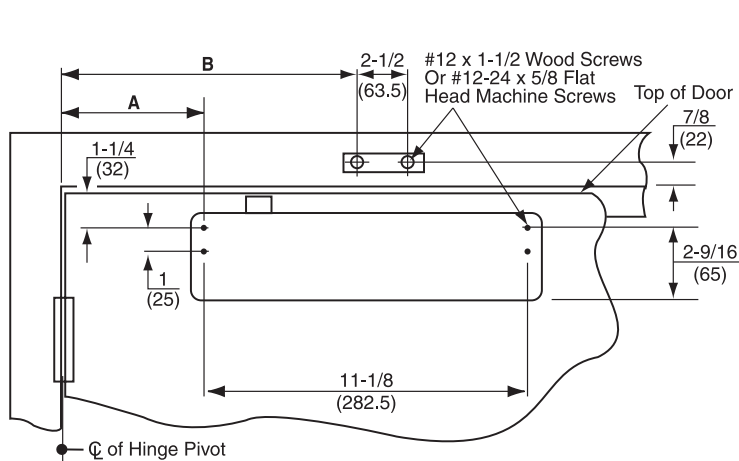
1431D Drop Bracket
Parallel Arm Mount
For narrow top rail conditions
2-1/2" (63.5) minimum top rail required

1431 Standard Mount - H Arm Installation (Right Hand Shown)

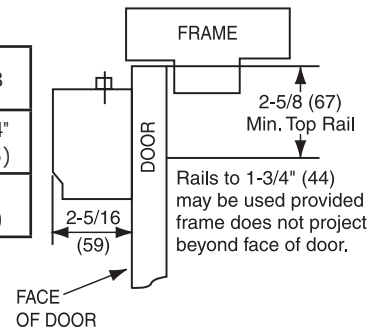
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1. Prepare door and frame.



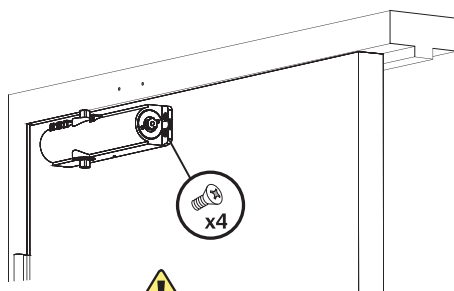
Max Door Opening	Dim A	Dim B
120°	7-1/2" (190.5)	13-1/4" (336.5)
**160°	4-1/4" (108)	10" (254)



NOTES:

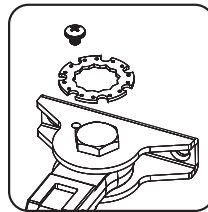
1. Select closer mounting position based on maximum door opening, as listed.
2. For ADA applications, select 160° maximum door opening position.
3. **If butt, frame and wall conditions permit, door will open 180°.
4. Use screws provided or use mortise nuts when required. See chart on page 2.

2. Mount case to door.

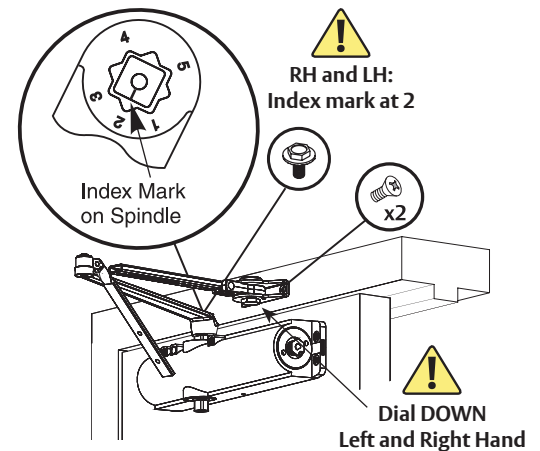


LH and RH:
Spring Adjustment Screw
AWAY from hinge

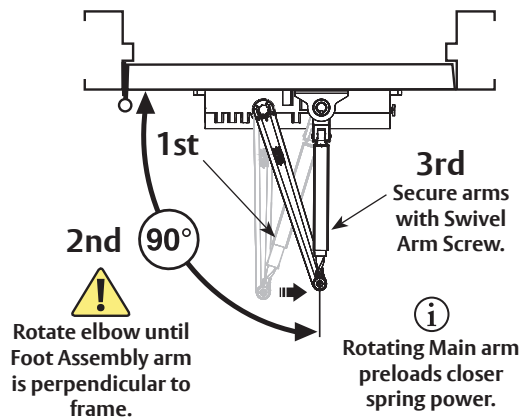
3a. Remove dial from foot.



3b. Install separate arms.



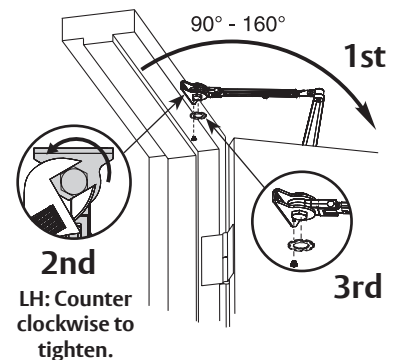
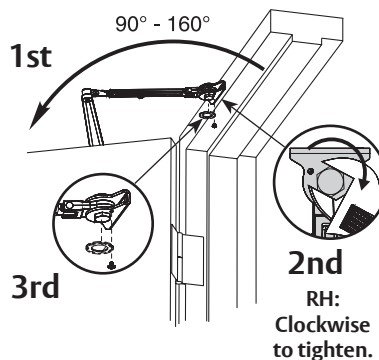
4. Connect arms, preload spring and tighten swivel arm screw.



5. Set Hold Open.



Keep door open in position until dial screw secures dial.



You've installed the 1431 Hold Open Closer - Standard Mount.

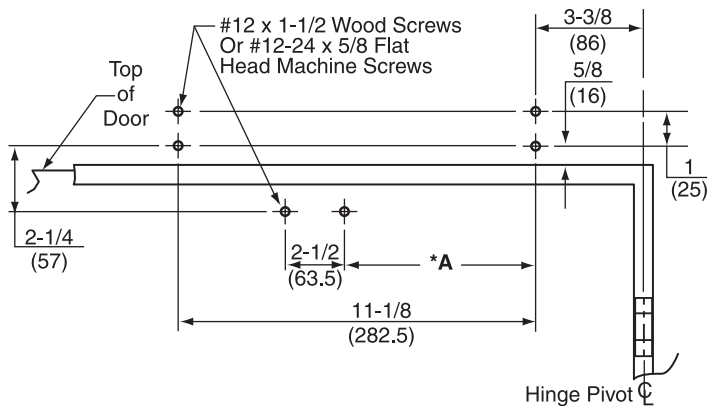
● Go to page 7 for closer adjustments and cover installation.

1431 Top Jamb Mount - H, HZ, HZA Arm Installation (Right Hand Shown)

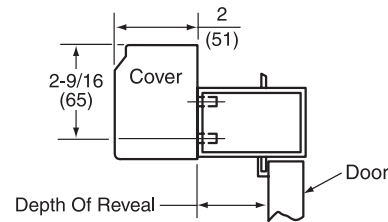
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1. Prepare door and frame.



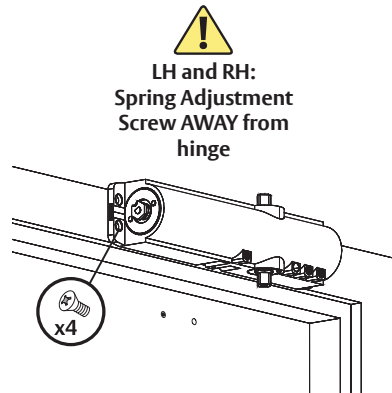
Arm Type	Reveal Depth	*Dim A	Range of Door Holding	Max Door Opening
H Arm	0" to 2" (0 to 51)	5-3/4" (146)	80-180°	180°
HZ Arm	2-1/8" to 5" (54 to 127)	6-1/2" (165)	80-140°	140°
HZA Arm	5-1/8" to 8" (130 to 203)	7-1/4" (184)	80-130°	130°



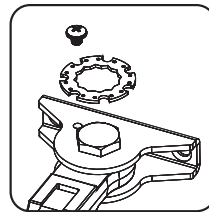
NOTES:

- * Dimension is taken from hinge edge of door for invisible hinges.
- Use screws provided or use mortise nuts when required. See chart on page 2.

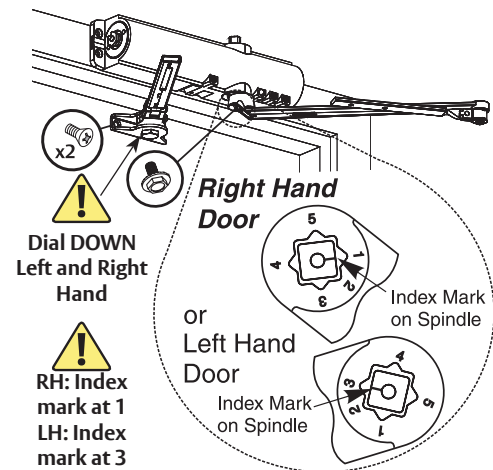
2. Mount case to frame.



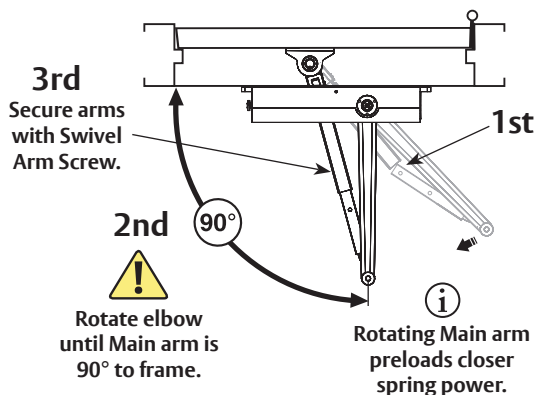
3a. Remove dial from foot.



3b. Install separate arms.



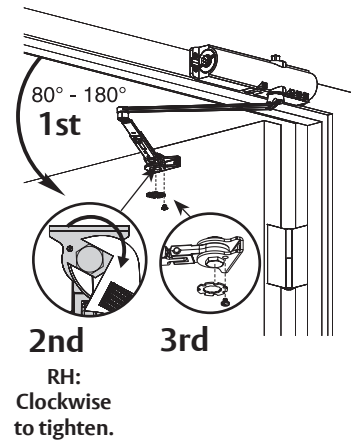
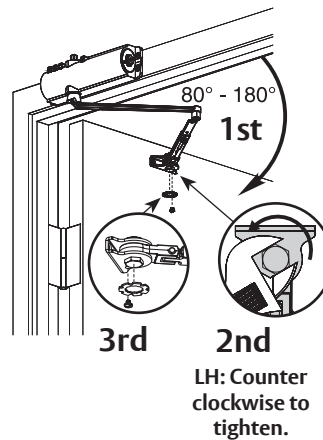
4. Connect arms, preload spring and tighten swivel arm screw.



5. Set Hold Open.



Keep door open in position until dial screw secures dial.



You've now installed the 1431 Hold Open Closer - Top Jamb Mount.

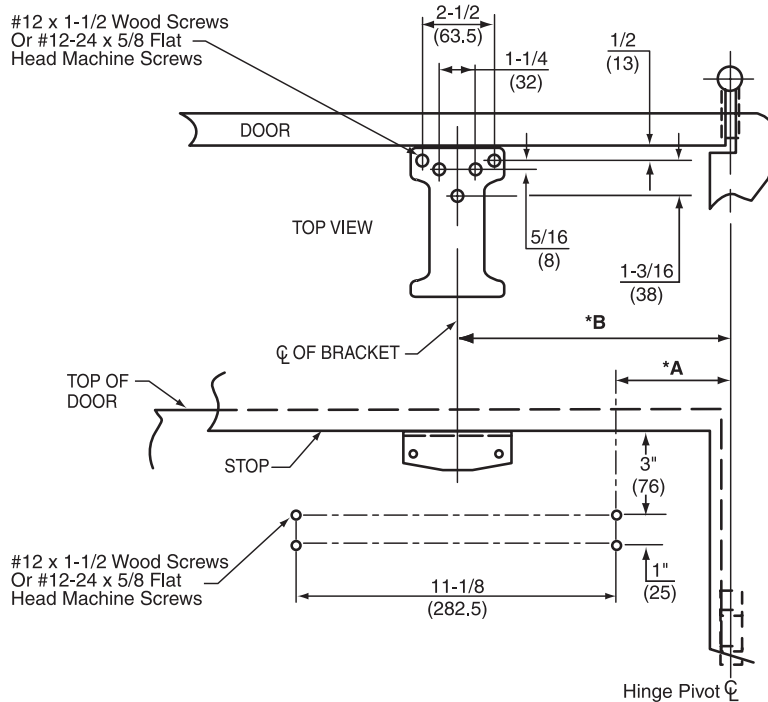
Go to page 7 for closer adjustments and cover installation.

1431 Parallel Arm Mount - PH9 Arm Installation (Right Hand Shown)

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1. Prepare door and frame.

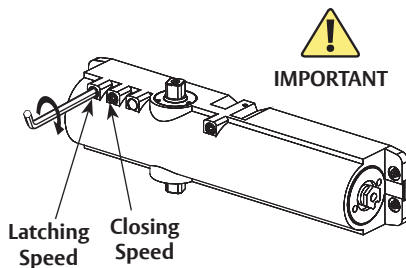


Max Door Opening	*Dim A	*Dim B
95°	6-1/2" (165)	12-3/4" (324)
120°	4" (102)	10-1/2" (267)
**180°	1-1/4" (32)	7-3/4" (197)

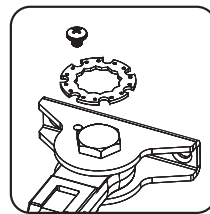
NOTES:

1. *Dimension is taken from hinge edge of door for invisible hinges.
2. **Use for ADA Applications.
3. Use screws provided or use mortise nuts when required. See chart on page 2.

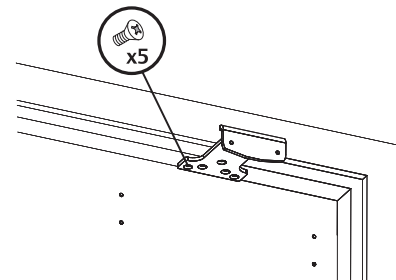
2. Close latching speed and closing speed valves.



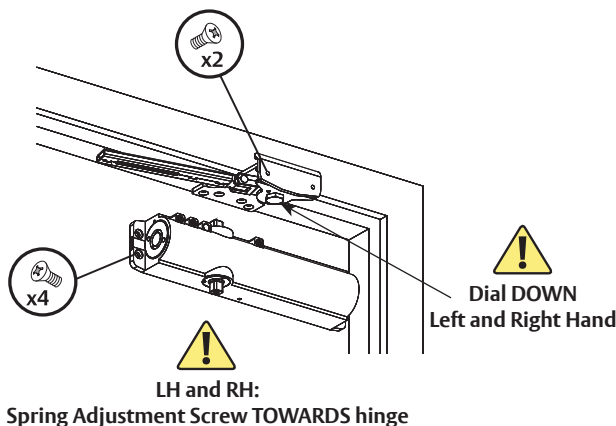
3. Remove dial from foot.



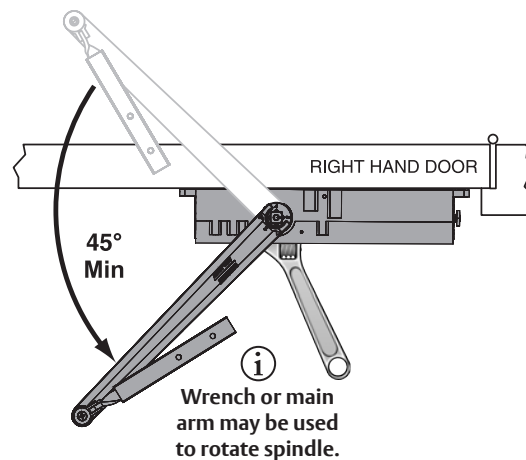
4. Install foot bracket to frame stop.



5. Install foot assembly to foot bracket and case to door.



6. Rotate bottom case spindle.

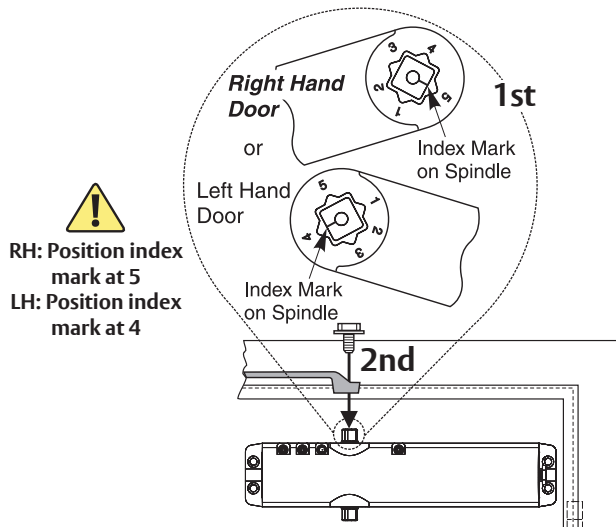


1431 Parallel Arm Mount - PH9 Arm Installation continued (Right Hand Shown)

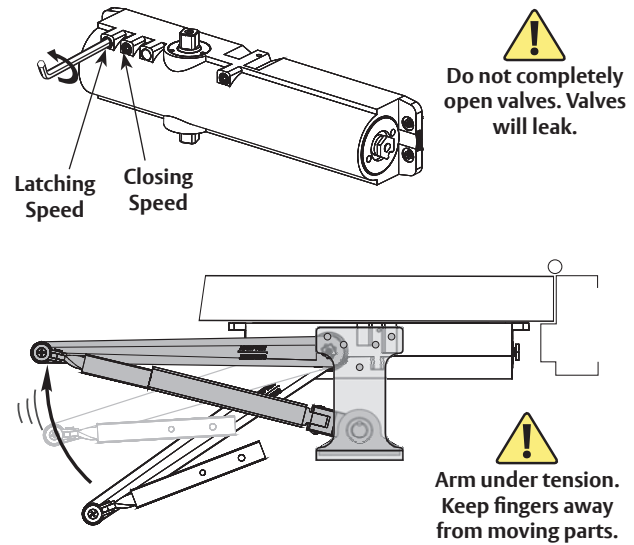
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ASSA ABLOY

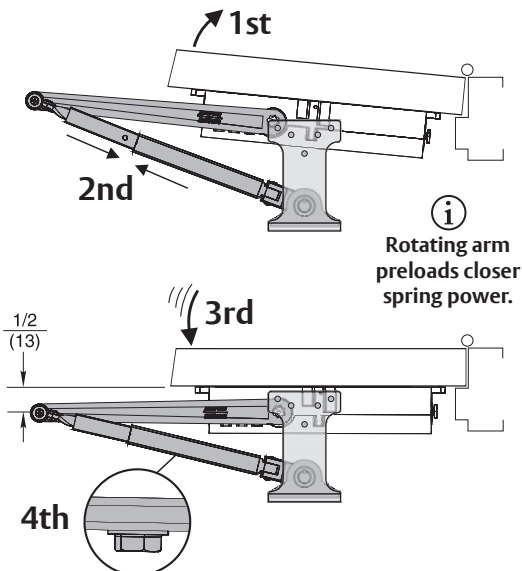
7. Attach Main arm as shown.



8. Open latching speed and closing speed valves.

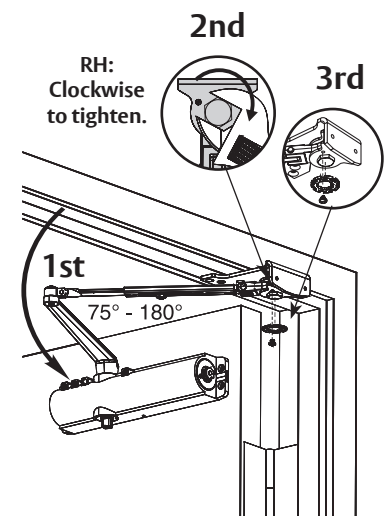
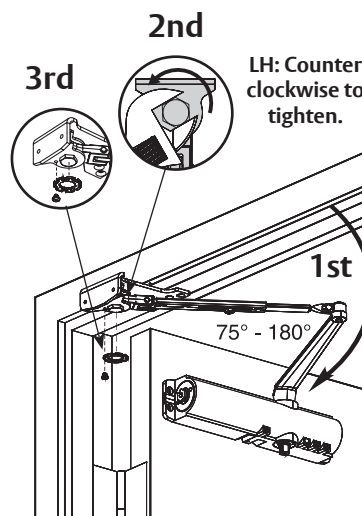


9. Connect arms, preload spring and tighten swivel arm screw.



10. Set Hold Open.

! Keep door open in position until dial screw secures dial.



You've now installed the 1431 Hold Open Closer - Parallel Arm Mount.

● Go to page 7 for closer adjustments and cover installation.

1431 Hold Open Closer

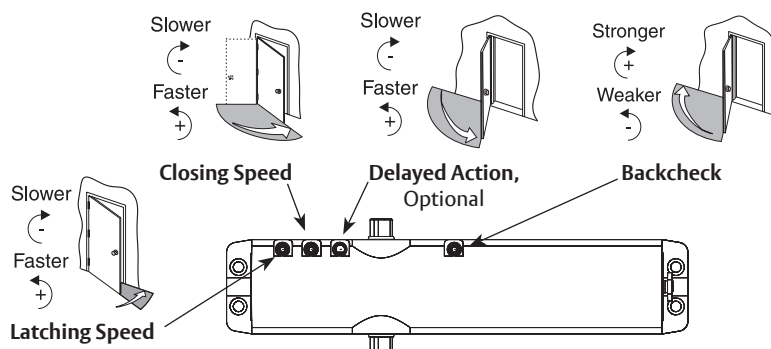
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Closer Adjustments



Use provided 1/8" hex wrench to turn valves.
NEVER force valves out of closer.
NEVER completely close backcheck valve.
NEVER use backcheck as a door stop.



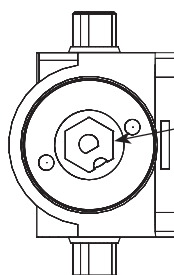
Door must be open to adjust spring closing power. Use 5/8" wrench or socket to turn screw. Refer to chart. **Do not use a power drill. Warranty will be void.**

Adjust closing time speed between 3 and 6 seconds from 90° to Close. Greater closing times may be required for elderly or handicapped.

Adjusting door to close due to high draft conditions may exceed ADA standards. Consult local ordinances when fire doors are involved.

Increase Power
+

Decrease Power
-



Number of Spring Power Nut Turns From Factory Setting (Use as Guide ONLY)

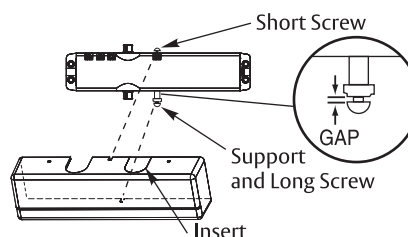
Door Width	1431
24" - 30"	1-3 Turns Counter Clockwise
30" - 36"	Factory Set
36" - 42"	1-4 Turns Clockwise
42" - 48"	7-9 Turns Clockwise

Cover Attachment

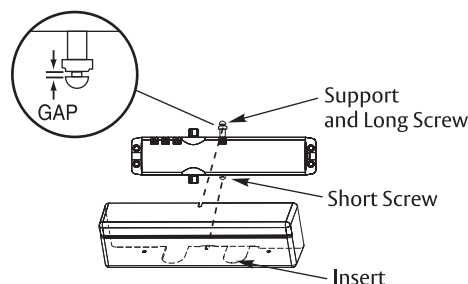


Do not over tighten cover screws.

1. Assemble support and long (#8-32 x 1-1/4") screw into case approximately 2 turns. See illustration for your installation type.
2. Install short (#8-32 x 5/16") screw into case as shown approximately 2 turns. See illustration for your installation type.
3. Place removable insert in unused cover opening.
4. Slide cover into gap between flange and screw head.
5. Position cover and tighten screws.



Standard Mount and Parallel Arm Mount



Top Jamb Mount

The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

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Patent pending and/or patent: www.assaabloydss.com/patents

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