



351 Door Closers with PS/PSH Arms Installation Instructions

351 SERIES ADJUSTABLE FROM SIZE 1 THRU 6

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

For assistance, contact SARGENT at 800-727-5477 or www.sargentlock.com

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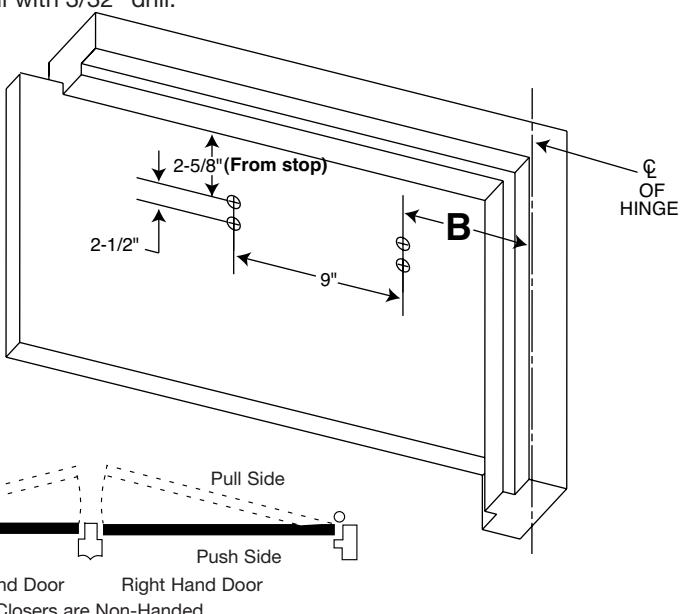
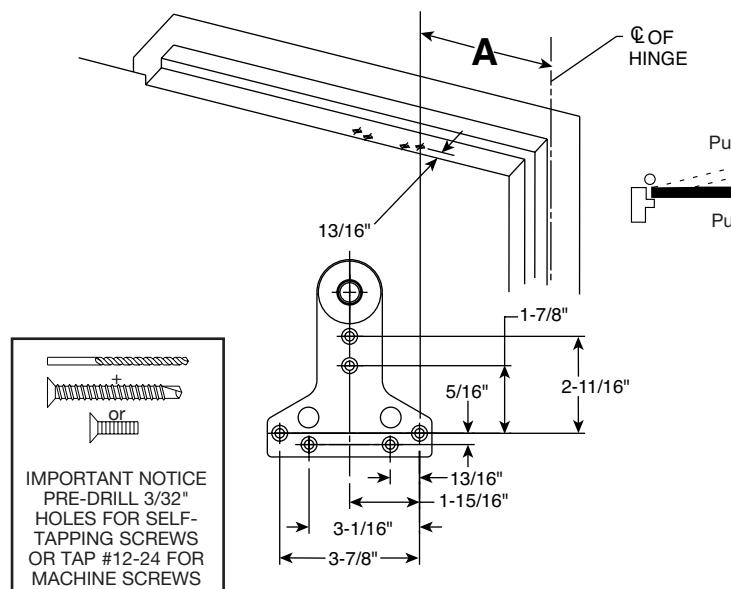
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1 Determine maximum degree of door opening or hold open (PSH) required. Drill and tap door and frame for #12-24 machine screws. When using self-tapping screws provided, predrill with 3/32" drill.

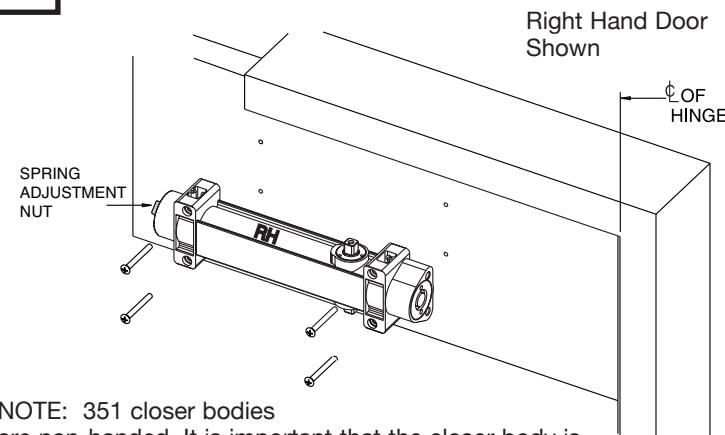
DEGREE OF DOOR OPENING AT "HOLD OPEN" ■					
	85°	90°	95°	100°	105°
DIM. "A"	10-9/16"	9-7/8"	9-3/16"	8-5/8"	8-1/8"
DIM. "B"	11-5/16"	10-5/8"	9-15/16"	9-3/8"	8-7/8"

■ Dimensions for given degree based on 4-1/2" butts. If 3-1/2" or 6" hinge is used, hold open angle will change by less than 1/2°.

Dead stop occurs 3° beyond hold open.

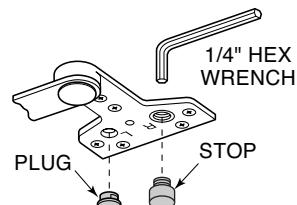


2 Install door closer to door with spring adjustment nut away from hinge.

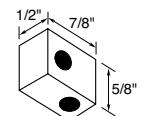


NOTE: 351 closer bodies are non-handed. It is important that the closer body is installed with "RH" symbol at top for right hand doors, "LH" symbol at top for left hand doors.

3A Install stop with 1/4" hex wrench to match hand of door. Turn stop counterclockwise until seated very tight.



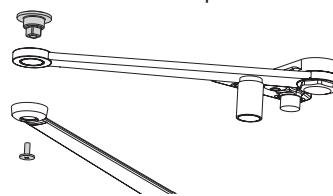
3B Mount foot bracket to door stop.



Use fifth hole spacer when required

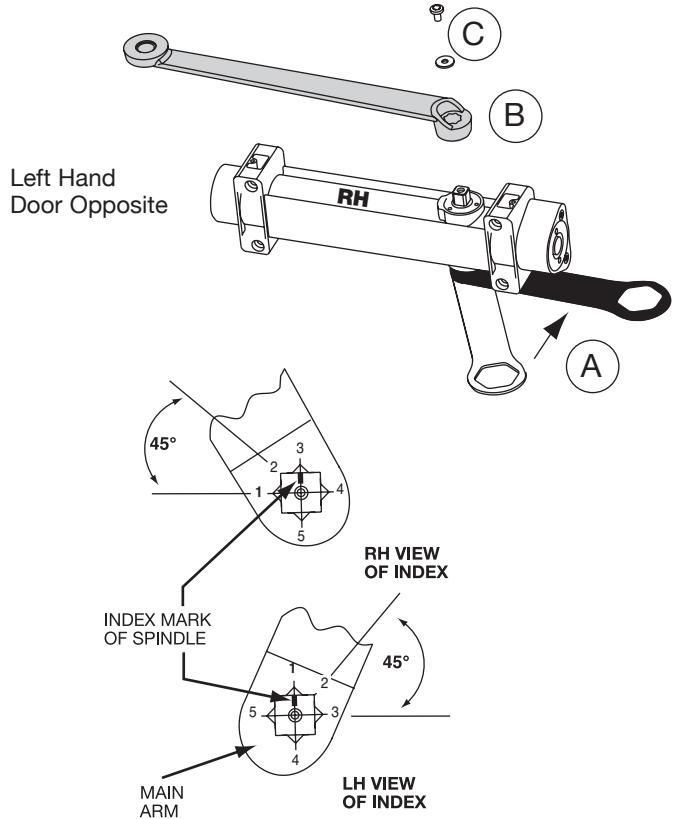
IMPORTANT: USE A MINIMUM OF 5 SCREWS.

3C Alternate: Pre-assemble arm prior to attaching to stop.



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- * A. Rotate bottom spindle 45° with wrench
- B. Assemble main arm with index mark positioned as shown
- C. Secure with screw and washer



!! * WARNING: IF NOT PROPERLY INDEXED, DOOR CLOSER WILL NOT FUNCTION PROPERLY !!

4A

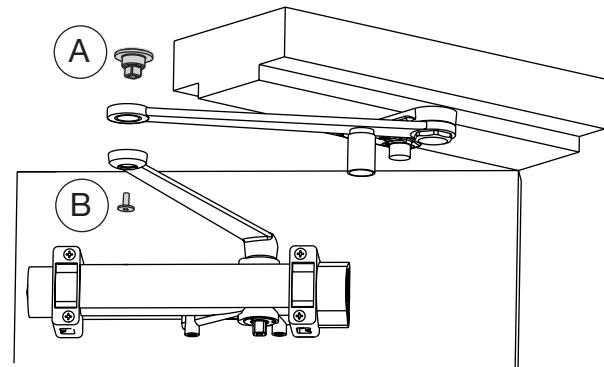
Alternate Method:
Attach pre-assembled arm

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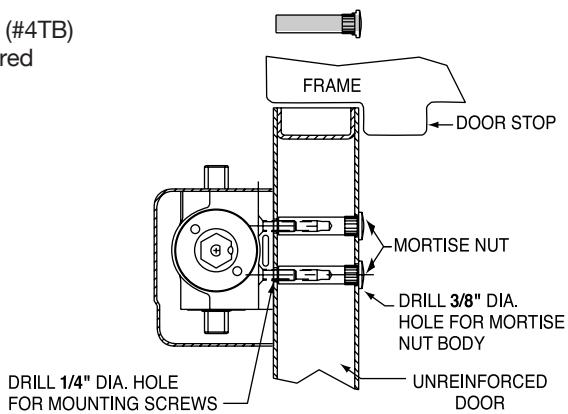
- A. Open door and install pivot as shown
- B. Use screw to secure pivot and arms



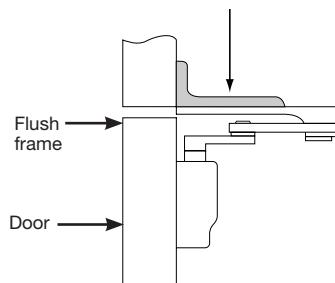
Accessories

OPTIONAL: Use mortise nuts (#4TB) when through-bolting is required

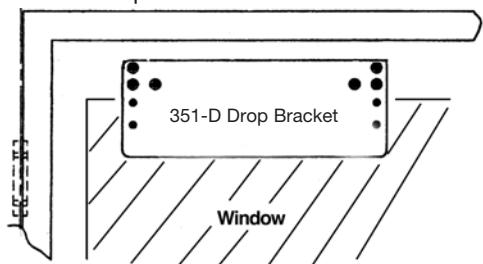
See Page 1
for
Templating
Dimensions



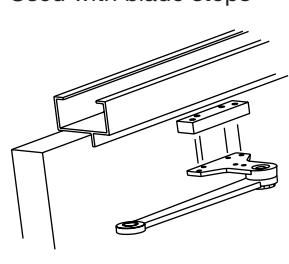
125 VF Bracket for flush frame and door condition



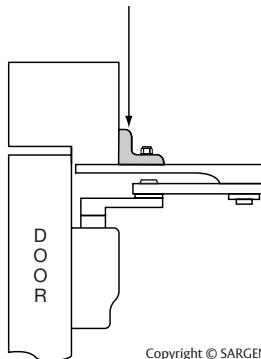
351-D Drop Bracket
Used with narrow top rails



581-2 Spacer
Used with blade stops



125 V Bracket for narrow frame condition



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Final Adjustment and Regulating Procedures

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Minimum recommended door closing time is 6 seconds for doors opened to 90 degrees. Use 1/8" Hex (Allen) wrench to adjust valves as needed.*

Closing and latching speeds:

Turn valves clockwise to slow down or counterclockwise to speed up door movement.

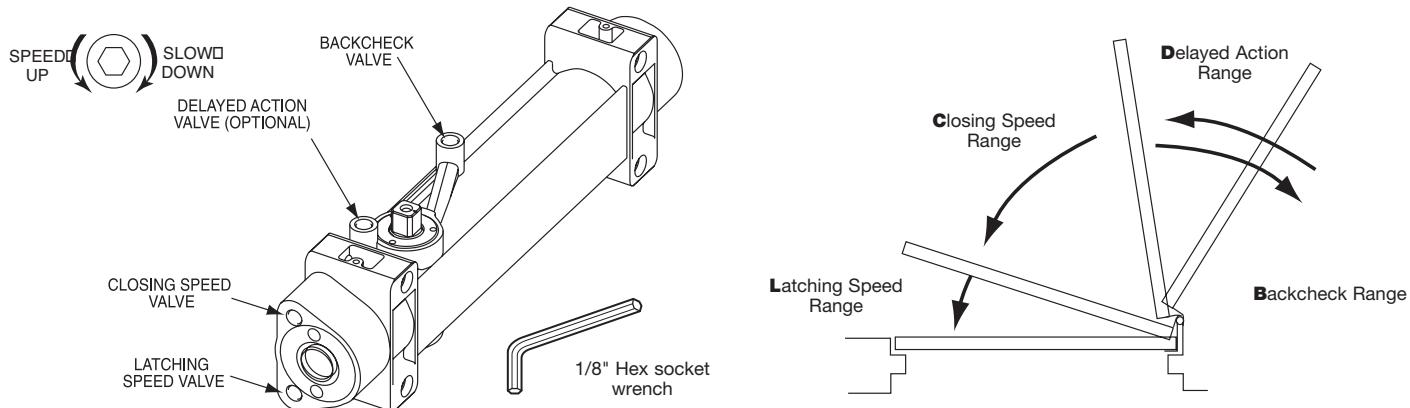
Backcheck:

To regulate the intensity of backcheck action turn valve clockwise to increase or counterclockwise to decrease checking.

CAUTION: SET VALVE FOR SLIGHT CUSHIONING EFFECT. CLOSER CAN BE DAMAGED IF THE CHECKING ACTION IS TOO ABRUPT. NEVER USE THE BACKCHECK AS A DOOR STOP. ALWAYS USE A DOOR STOP TO STOP THE DOOR.

Delayed Action Feature (optional feature on some models):

“Delayed Action” provides slow door closing through the delayed action range. Turn valve clockwise to slow down or counterclockwise to speed up door movement.

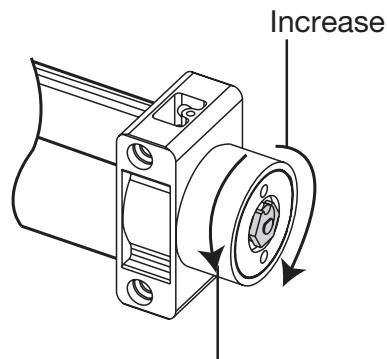


* If adjustments are ineffective, check indexing from step 4.

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Adjust power to allow door to close and latch.

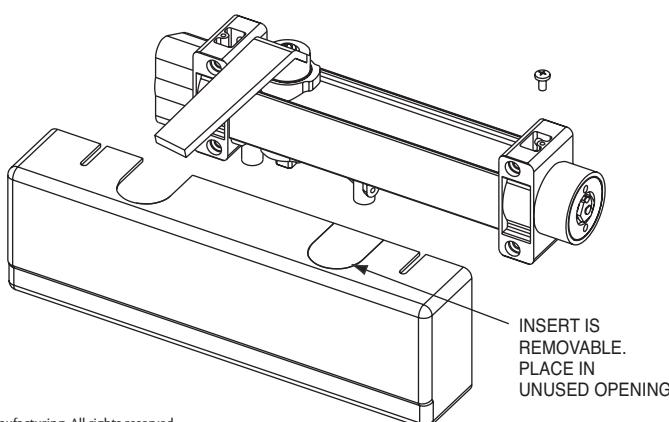
NUMBER OF TURNS OF SPRING POWER ADJUSTING NUT		
DOOR WIDTH (INCHES)	EXTERIOR DOORS	INTERIOR DOORS
24-30	TURN nut 1-3 ↗	TURN nut 1-3 ↗
30-36	FACTORY SET	FACTORY SET
36-42	TURN nut 1-4 ↘	TURN nut 1-3 ↘
42-48	TURN nut 7-9 ↘	TURN nut 4-6 ↘



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

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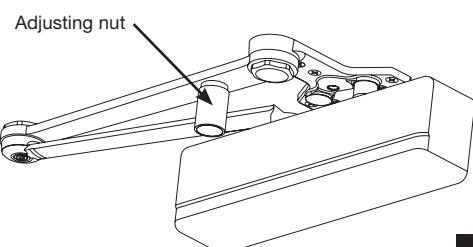
Install cover as shown.



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To adjust holder arm (PSH only)

All PSH arms are set in hold open at the factory. To inactivate, turn the adjusting nut approximately 1-1/2 turns counter-clockwise.

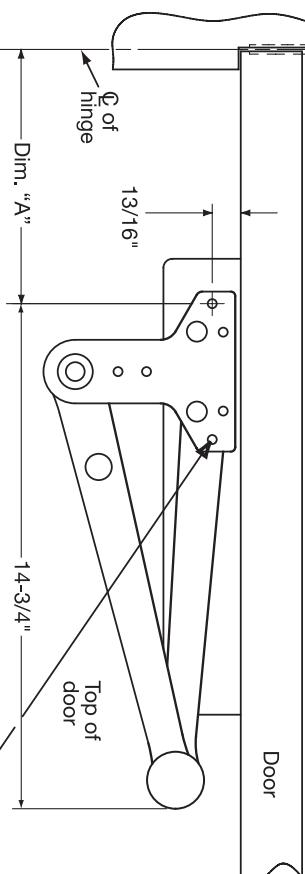


DEGREE OF DOOR OPENING AT "HOLD OPEN" ▲4 ▲5

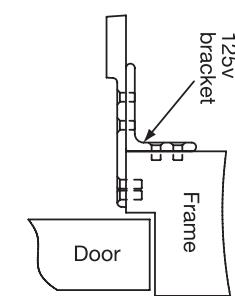
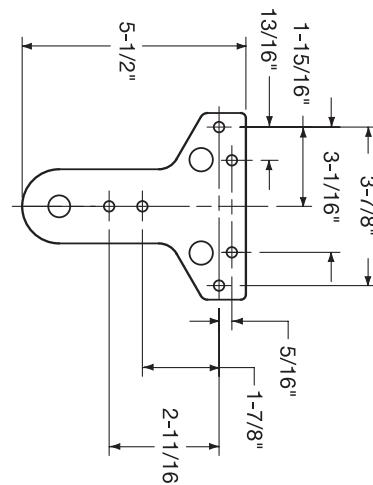
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Dim. "B"	11-5/16"	10-5/8"	9-15/16"	9-3/8"	8-7/8"	8-3/8"

Offset pivots, butt, continuous

or swing clear hinges

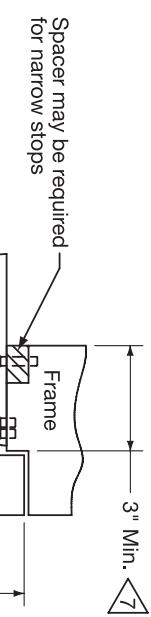


PS/PSH FOOT BRACKET DETAIL



NARROW FRAME INSTALLATION

Use 125 VF bracket (not shown for flush frame conditions)



NOTES:

1. Reinforce metal doors and frames per ANSI A250-8 and SDI-100 Standards, 12 gauge recommended
2. For thin rail doors, use 351-D plate. See data sheet A6745
3. Left hand door shown. Right hand opposite
4. Dimensions "A" and "B" are based on a 4-1/2" butt hinge. If a 3-1/2" or 6" butt hinge is used, the hold open angle will change by less than 1/2°
5. Dead stop occurs approximately 3° beyond hold open
6. If door closer body interferes with light kit, use 351-B plate. See data sheet A6746 for plate dimensions only
7. When soffit is less than 3" use 125V bracket

SARGENT® Manufacturing Company
100 Sargent Drive, New Haven, CT 06511

DATA SHEET: 351 SERIES
DOOR CLOSERS WITH PS OR PSH
HEAVY DUTY PARALLEL ARM

Effective Date: Feb 04
Template No.: A7380 D