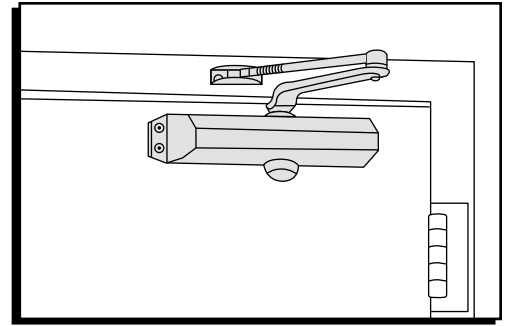


# ULINE H-11978, H-11979

## DOOR CLOSER

1-800-295-5510  
uline.com

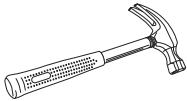


### TOOLS NEEDED

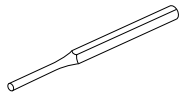
 Two Person Assembly Recommended



Drill



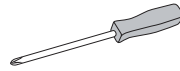
Hammer



Center Punch



Adjustable Wrench



Phillips Screwdriver

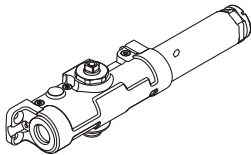


1/8" Drill Bit

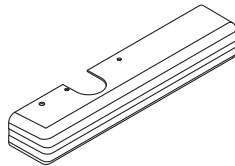


3/32" Allen Wrench  
5/32" Allen Wrench

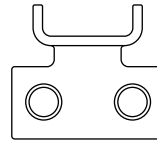
### PARTS



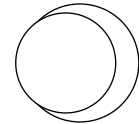
Closer x 1



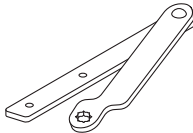
Cover x 1



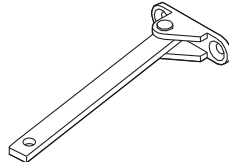
Mounting Bracket x 1



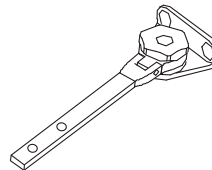
Shaft Cap x 1



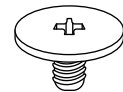
Arm x 1



Forearm x 1  
(For H-11978)



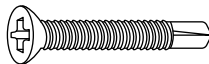
Hold-Open Arm x 1  
(For H-11979)



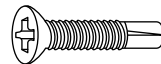
1/2" Arm Attachment  
Screw x 1



Mounting Plate  
Machine Screw x 4



2" SRT  
Mounting Screw x 1



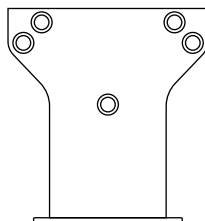
1 3/8" SRT  
Mounting Screw x 8



3/8" PA  
Shoe Screw x 2



1/2" Arm Adjustment  
Screw x 1



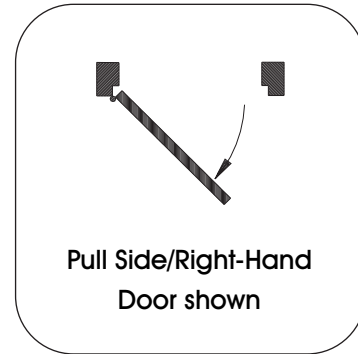
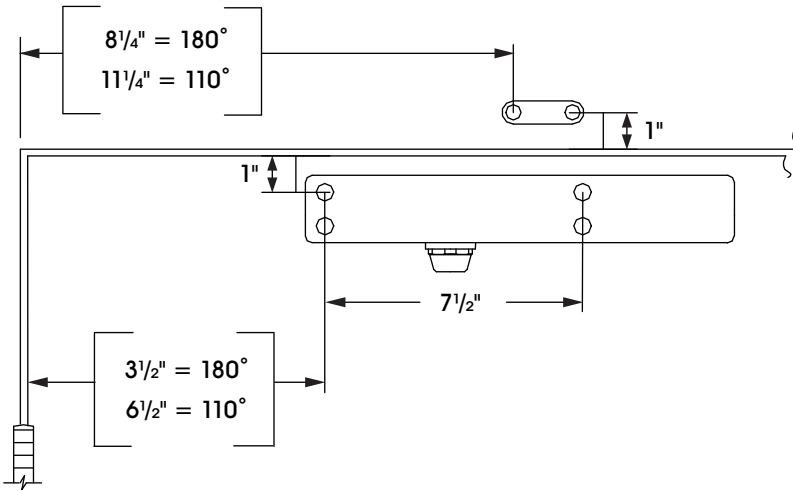
Parallel Arm Shoe x 1



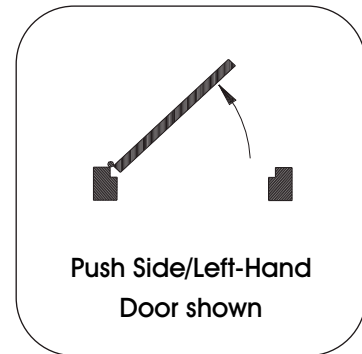
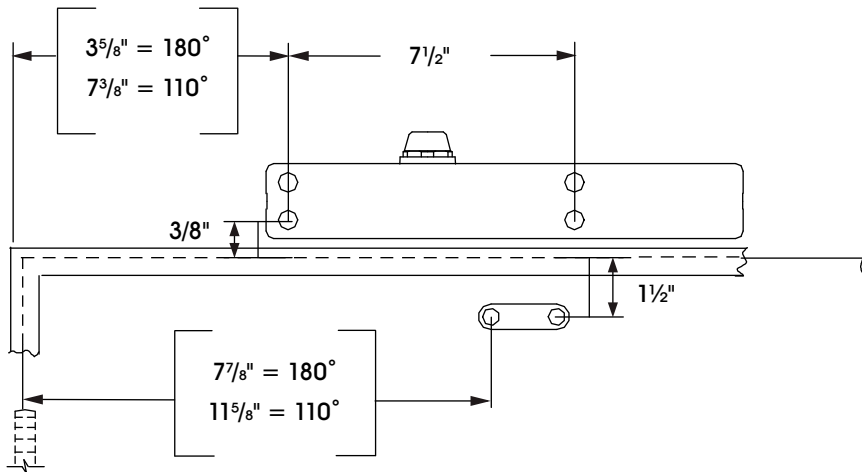
Fifth Screw Spacer x 1

# SPECIFICATIONS

## PULL SIDE MOUNTING

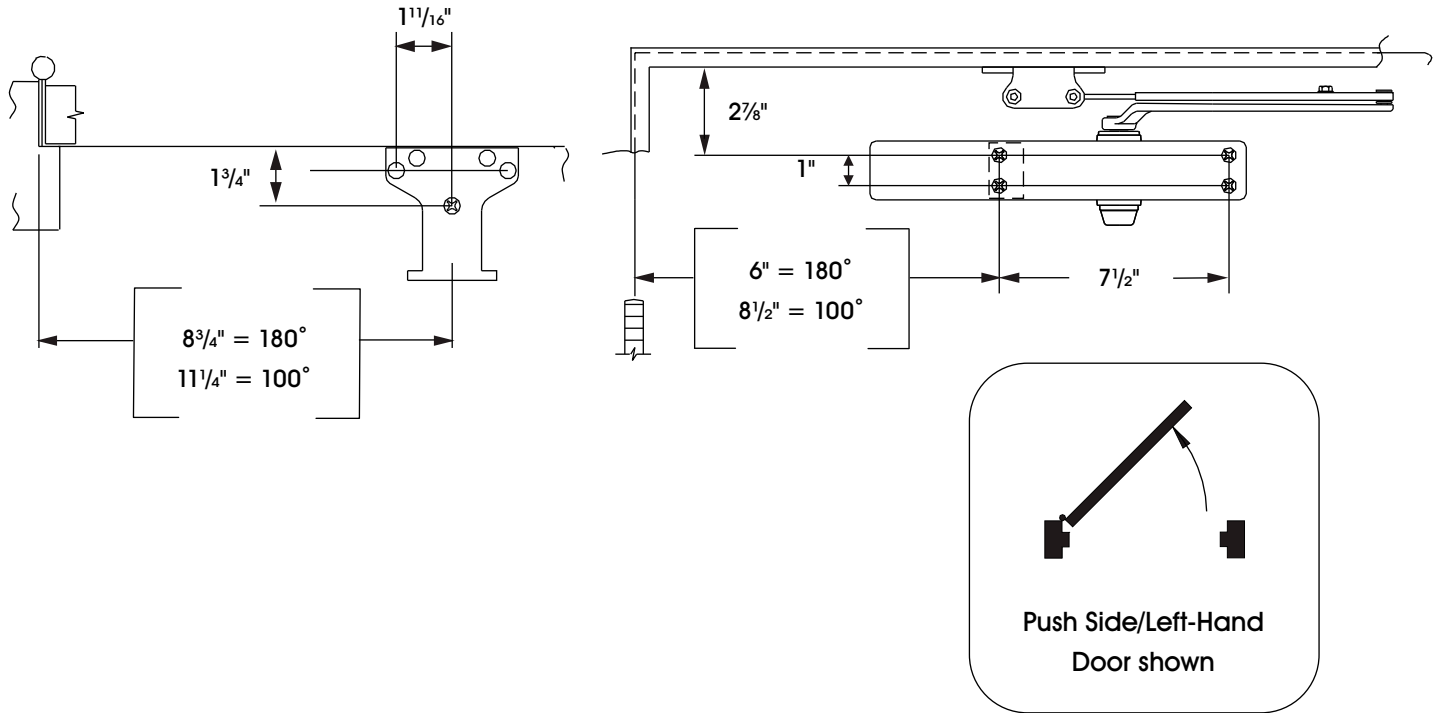


## TOP JAMB MOUNTING



## SPECIFICATIONS CONTINUED

### PARALLEL ARM MOUNTING



## SETUP



**CAUTION!** Improper installation or regulation may result in personal injury or property damage. Follow all instructions carefully.



**IMPORTANT!** Hold-open arms must not be installed on fire-rated doors.

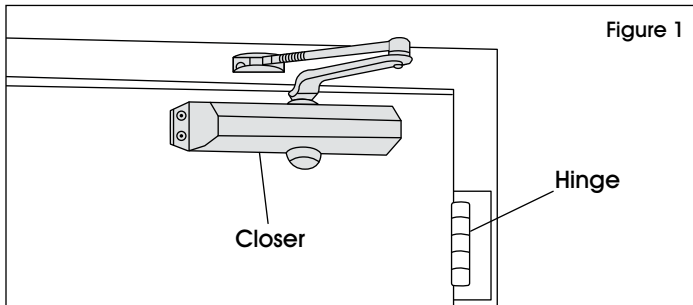
- Door closer can be installed in three different locations on the door. Follow assembly instructions for desired installation location.

- The templates provided with this product are only compatible with doors installed with butt hinges. Call Uline Customer Service if door is installed using swing-clear hinges.
- Mount to 180° to meet ADA requirements.
- For questions, call Uline Customer Service at 1-800-295-5510.

# INSTRUCTIONS

## PULL SIDE INSTALLATION

For pull side installation, closer is installed on pull/hinge side of door. (See Figure 1)



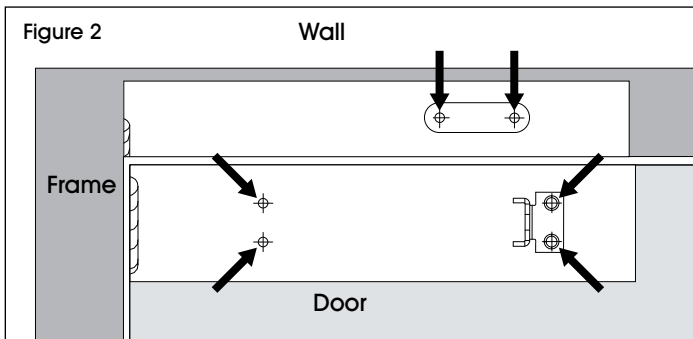
1. Locate proper template. Tear along dotted line, leaving one door template and one frame template. (See Figures 2-3)

**!** **IMPORTANT!** Figures 2-3 show 180° mounting. Align templates with the edge of the door on the hinged side.

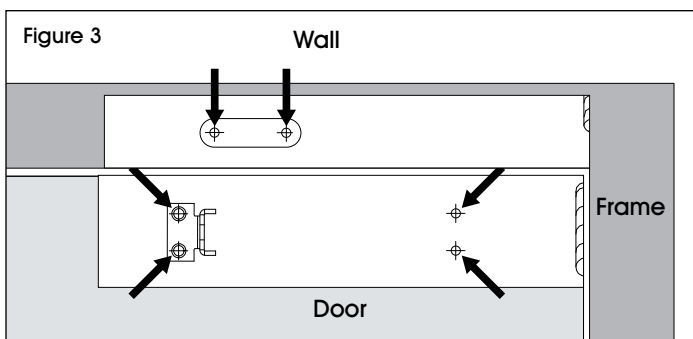
**!** **IMPORTANT!** For 110° mounting, align templates 3" in from the edge of the door on the hinged side.

2. Center-punch four hole locations onto door and two onto frame. Remove template and drill 1/8" pilot holes into the punch locations. (See Figures 2-3)

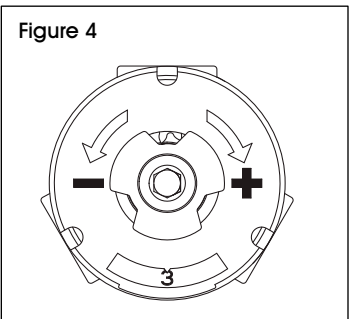
### RIGHT-HAND DOOR



### LEFT-HAND DOOR



3. Determine door width. With 5/32" Allen wrench, adjust spring power on closer cylinder to match chart below. (See Figure 4)



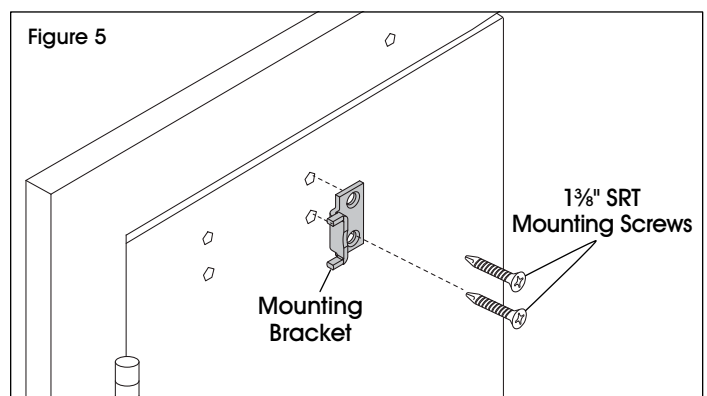
DOOR WIDTH	POWER ADJUST
	SET TO:
ADA	1
30"	2
32"	3
36"	4
42"	5
48"	6

**!** **IMPORTANT!** Illustrations show installation on right-hand door. Instructions for left-hand doors are opposite.

4. Secure mounting bracket to previously drilled pilot holes using two 1 3/8" SRT mounting screws (See Figure 5)


**NOTE:** Ensure open side of bracket faces hinges.

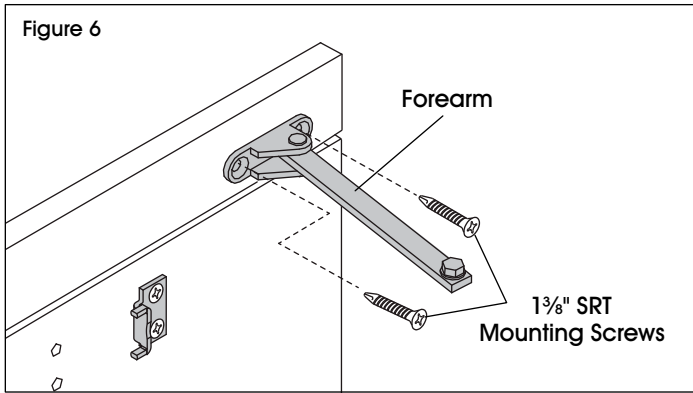
**NOTE:** Reduce installation torque if using SRT screws in wood. The use of wood screws is recommended for wood installation.



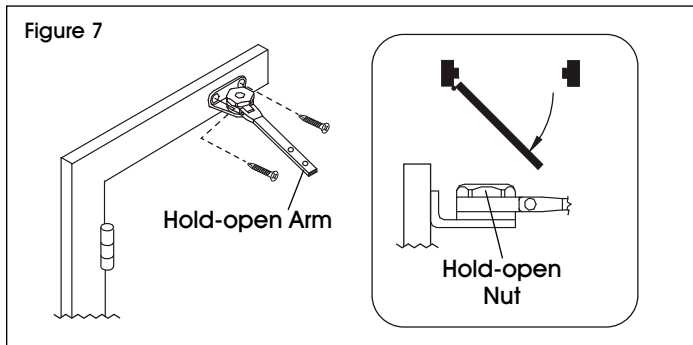
# INSTALLATION CONTINUED

5. Mount forearm to previously drilled pilot holes in frame/wall using two 1 3/8" SRT mounting screws.
  - a. Standard forearm installation (See Figure 6)
  - b. Hold-open arm installation. (See Figures 7-8)

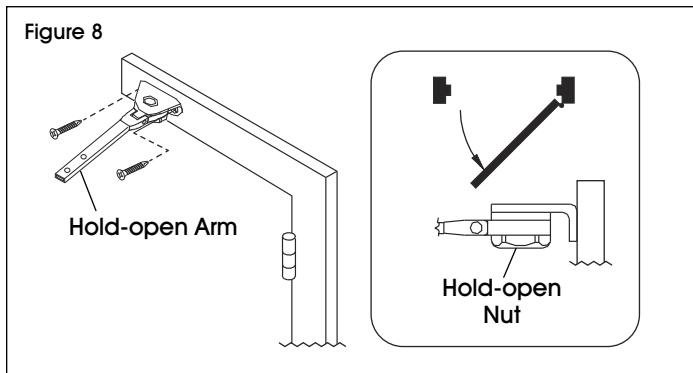
 **NOTE:** Identify direction of hold-open nut according to mounting before installing. (See Figure 7)



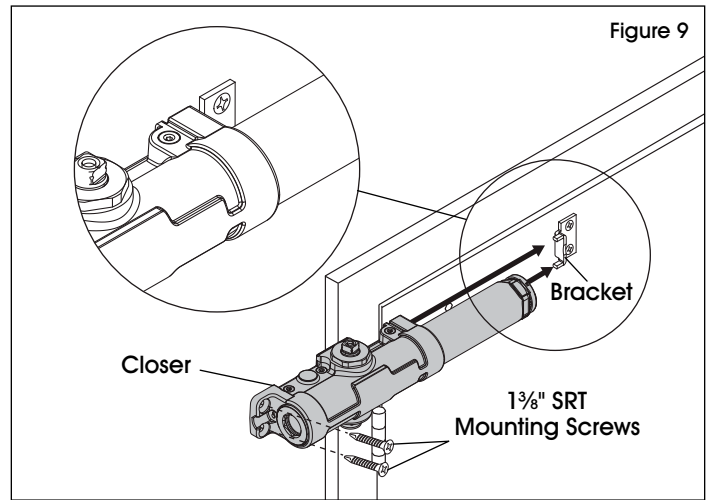
## RIGHT-HAND DOOR




## LEFT-HAND DOOR

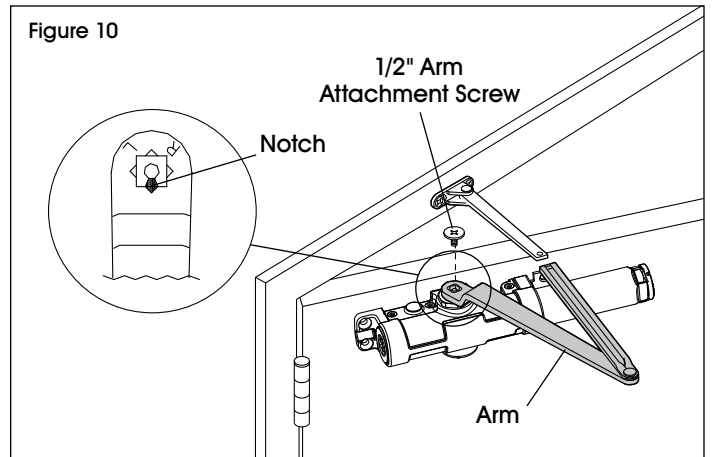


6. Slide closer onto bracket. Once secure, align closer with previously drilled pilot holes. Secure with 1 3/8" SRT mounting screws. (See Figure 9)



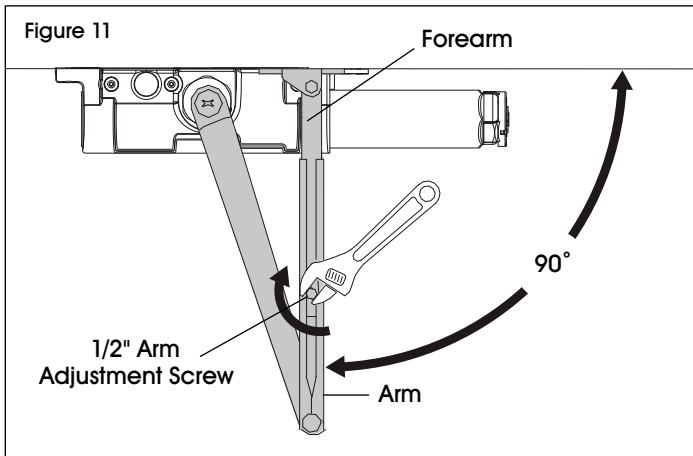
7. Attach arm to the closer with 1/2" arm attachment screw. (See Figure 10)

 **NOTE:** Ensure notch on pinion is aligned to arm as shown in Figure 10.



# INSTALLATION CONTINUED

- Position forearm at 90° from the door. Slide forearm into arm and secure using 1/2" arm adjustment screw. (See Figure 11)

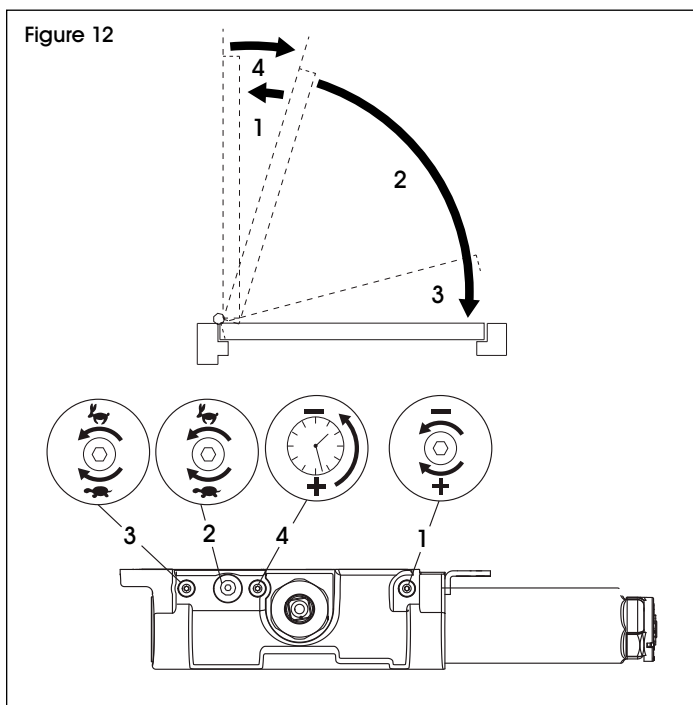


## CLOSER ADJUSTMENTS

With 3/32" Allen wrench, adjust closer's delay action settings to your preference. (See Figure 12)

**NOTE:** A "normal" closing time from 90° open position is 5-7 seconds, evenly divided between main speed and latch speed.

**CAUTION!** Opening of adjustment valves too far may result in leakage of closer, personal injury or property damage. Follow all instructions carefully.



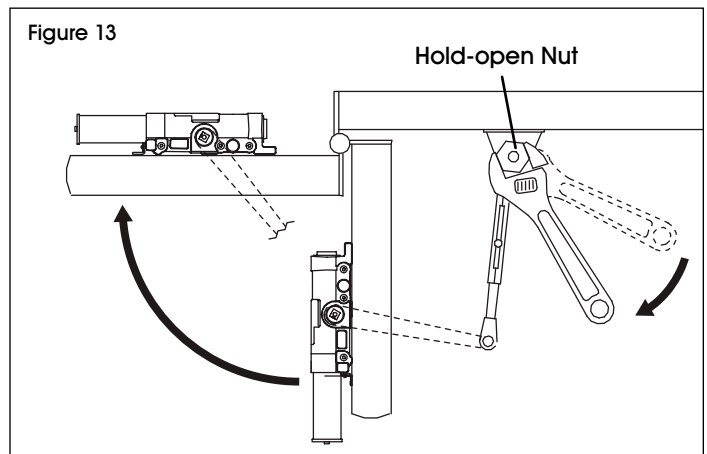
## DELAY ACTION SETTINGS

#	SETTING	ADJUSTMENT
1	Backcheck	Turn clockwise to increase. Turn counterclockwise to decrease.
2	Main Speed	Turn clockwise to slow speed. Turn counterclockwise to increase speed..
3	Latch Speed	Turn clockwise to slow speed. Turn counterclockwise to increase speed.
4	Delay Speed	Turn clockwise to increase delay. Turn counterclockwise to decrease delay.

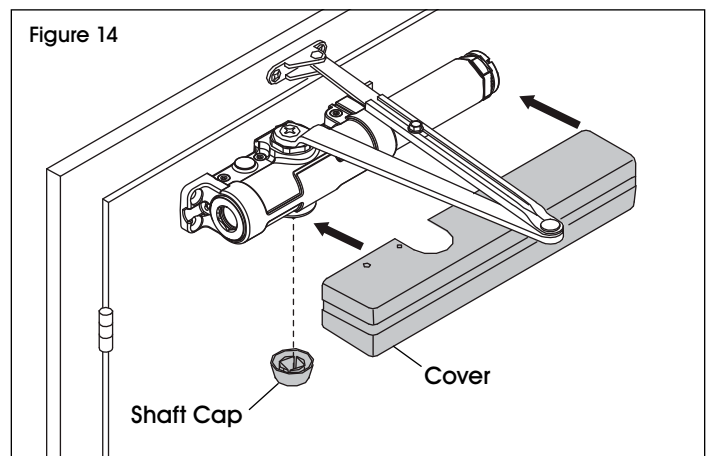
## ADJUSTING HOLD-OPEN ARM

If hold-open arm is installed, it may need to be adjusted after assembly is completed.

- Loosen hold-open nut. (See Figure 13)
- Open door to desired position and tighten hold-open nut securely. (See Figure 13)



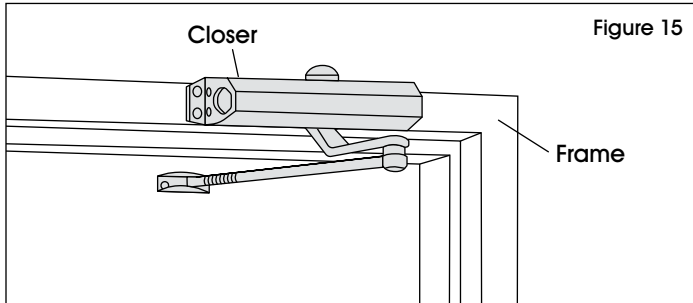
- Snap on cover and shaft cap. (See Figure 14)



# INSTALLATION CONTINUED

## TOP JAMB INSTALLATION

For top jamb installation, closer is installed onto frame on push side of door. (See Figure 15)



1. Locate proper template. Tear along dotted line, leaving one door template and one frame template. (See Figures 16-17)



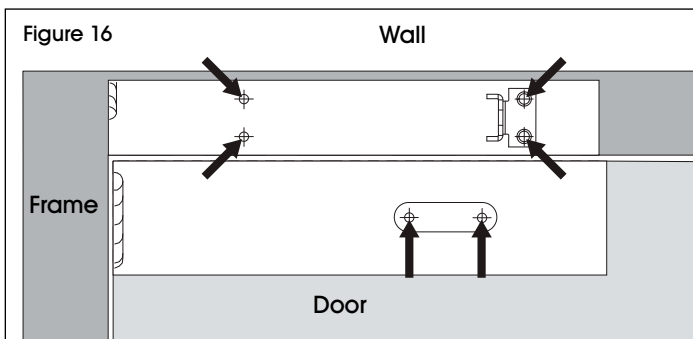
**IMPORTANT!** Figures 16-17 show 180° mounting. Align templates with the edge of the door on the hinged side.



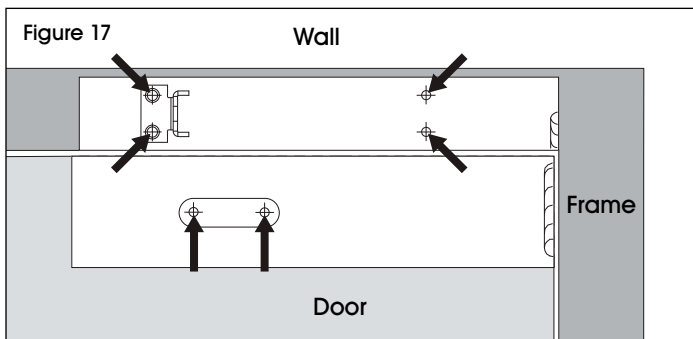
**IMPORTANT!** For 110° mounting, align templates 3.75" in from the edge of the door on the hinged side.

2. Center-punch four hole locations onto frame and two onto door. Remove template and drill 1/8" pilot holes into the punch locations. (See Figures 16-17)

## LEFT-HAND DOOR

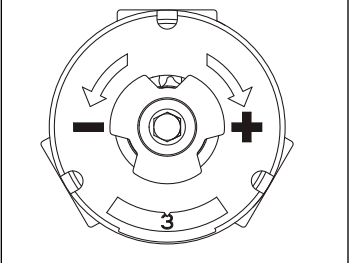


## RIGHT-HAND DOOR



3. Determine door width. With 5/32" Allen wrench, adjust spring power on closer cylinder to match chart below. (See Figure 18)

Figure 18



DOOR WIDTH	POWER ADJUST
	SET TO:
ADA	1
30"	2
32"	3
36"	4
42"	5
48"	6



**IMPORTANT!** Illustrations show installation on left-hand door. Instructions for right-hand doors are opposite.

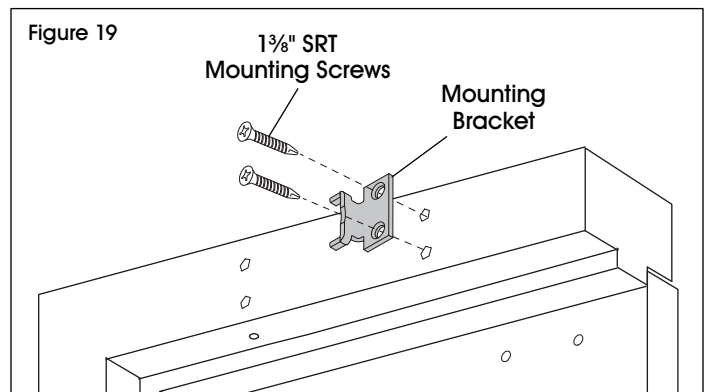
4. Secure mounting bracket to previously drilled pilot holes in frame with two 1 3/8" SRT mounting screws. (See Figure 19)



**NOTE:** Ensure open side of bracket faces hinges.




**NOTE:** Reduce installation torque if using SRT screws in wood. The use of wood screws is recommended for wood.

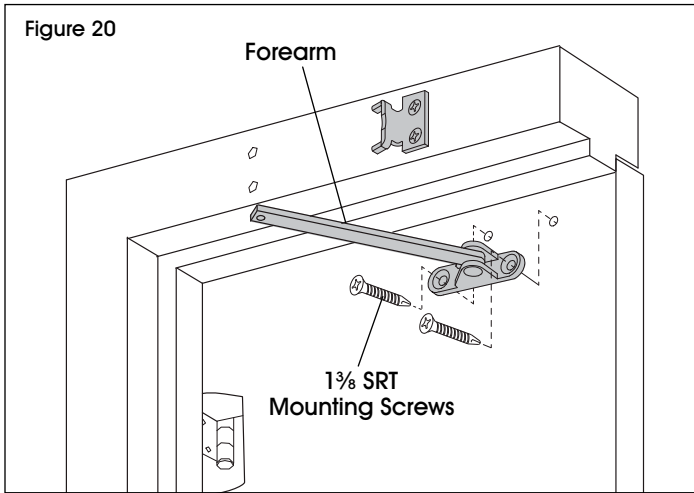


# INSTALLATION CONTINUED

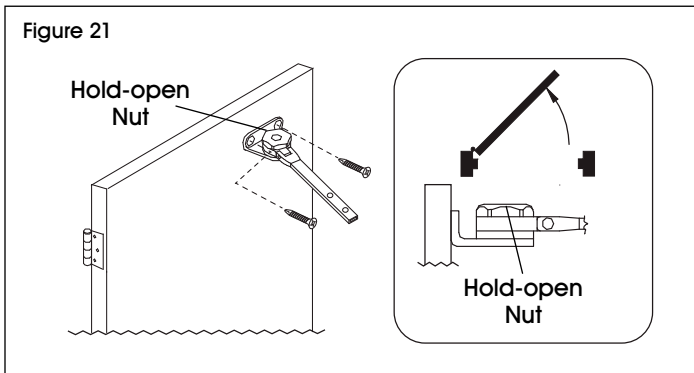
5. Mount forearm to previously drilled pilot holes in door using two 1<sup>3</sup>/<sub>8</sub>" SRT mounting screws.

- a. Standard Forearm installation (See Figure 20)
- b. Hold-open arm installation. (See Figures 21-22)

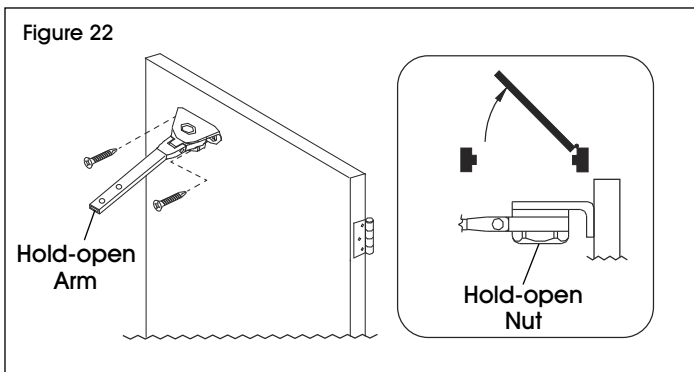
 **NOTE:** Identify direction of hold-open nut according to mounting before installing. (See Figures 21-22)



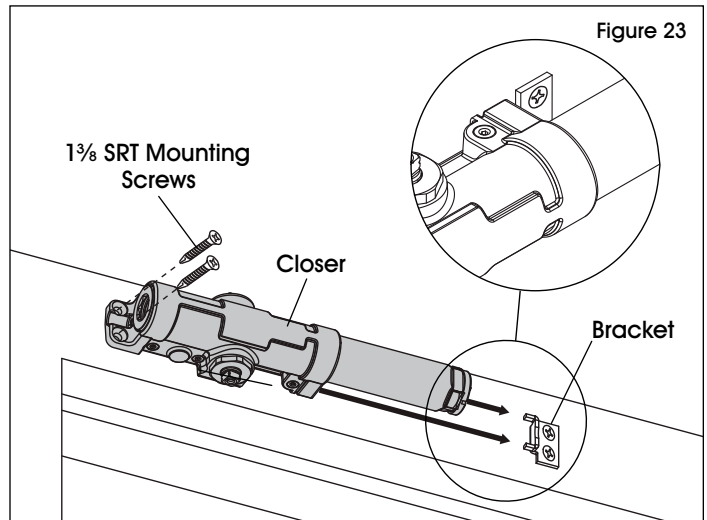
LEFT-HAND DOOR



RIGHT-HAND DOOR

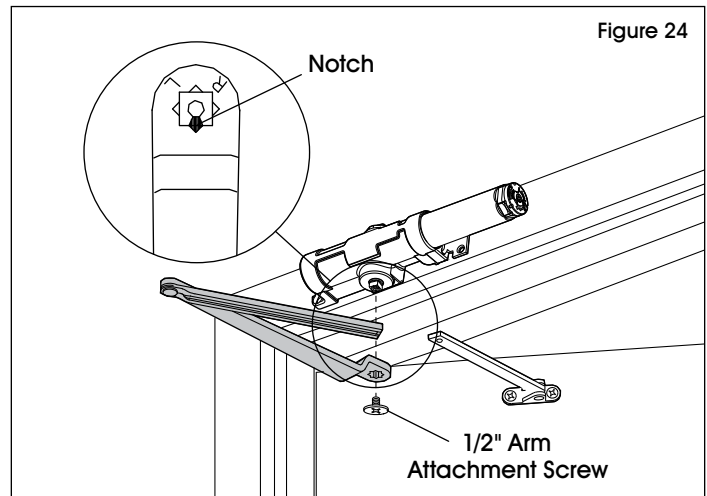


6. Slide closer onto bracket. Once secure, align closer with previously drilled pilot holes. Secure with 1<sup>3</sup>/<sub>8</sub>" SRT mounting screws. (See Figure 23)



7. Attach arm to the closer. Align notch on pinion with arm and secure with 1/2" arm attachment screw. (See Figure 24)

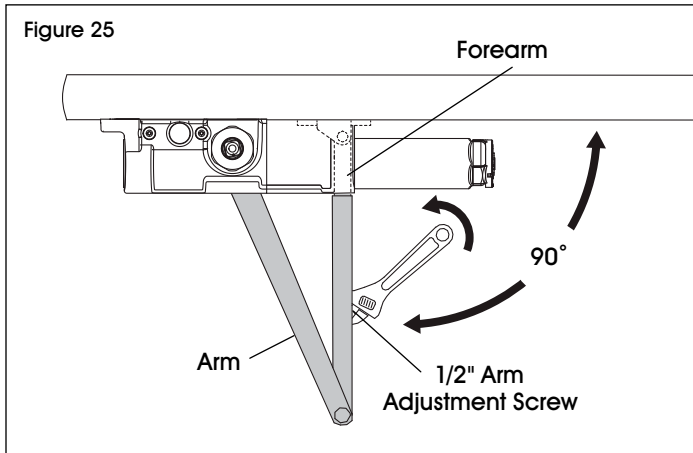
 **NOTE:** Ensure notch on pinion is aligned to arm as shown in Figure 24.





# INSTALLATION CONTINUED

- Position forearm at 90° from the door. Slide forearm into arm and secure using 1/2" arm adjustment screw. (See Figure 25)

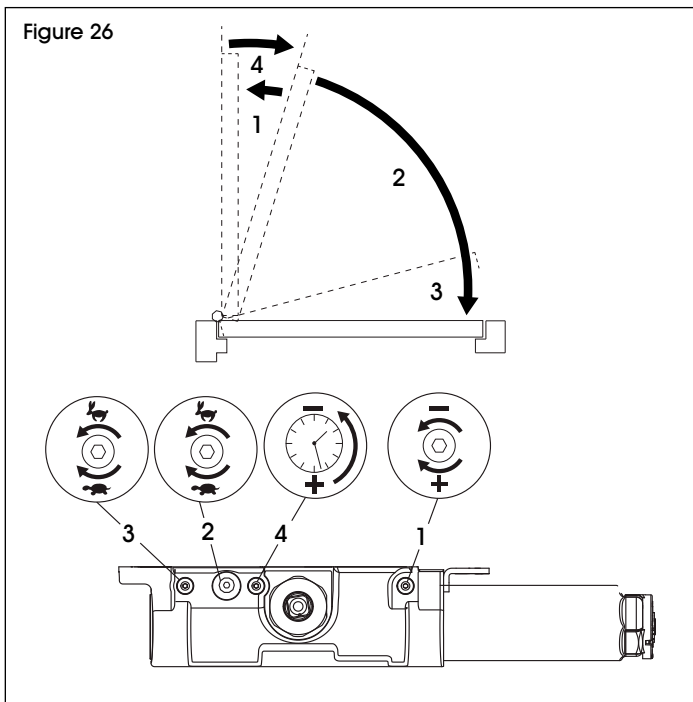


## CLOSER ADJUSTMENTS

With 3/32" Allen wrench, adjust closer's delay action settings to your preference. (See Figure 26)

**NOTE:** A "normal" closing time from 90° open position is 5-7 seconds, evenly divided between main speed and latch speed.

**CAUTION!** Opening of adjustment valves too far may result in leakage of closer, personal injury or property damage. Follow all instructions carefully.



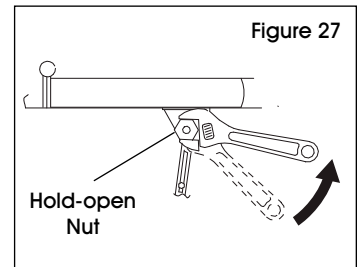
## DELAY ACTION SETTINGS

#	SETTING	ADJUSTMENT
1	Backcheck	Turn clockwise to increase. Turn counterclockwise to decrease.
2	Main Speed	Turn clockwise to slow speed. Turn counterclockwise to increase speed.
3	Latch Speed	Turn clockwise to slow speed. Turn counterclockwise to increase speed.
4	Delay Speed	Turn clockwise to increase delay. Turn counterclockwise to decrease delay.

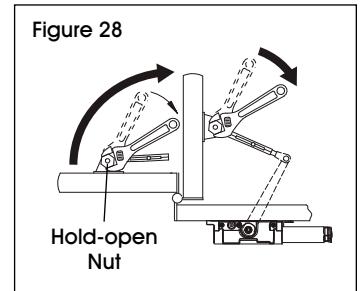
## ADJUSTING HOLD-OPEN ARM

If hold-open arm is installed, it may need to be adjusted after assembly is completed.

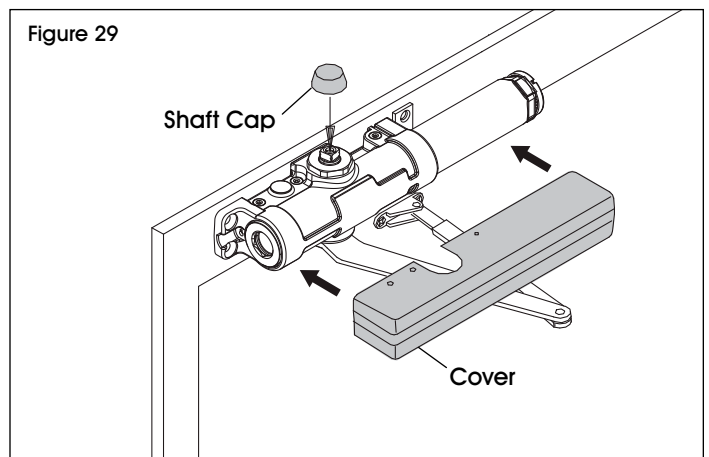
- Loosen hold-open nut. (See Figure 27)



- Open door to desired position and tighten hold-open nut securely. (See Figure 28)



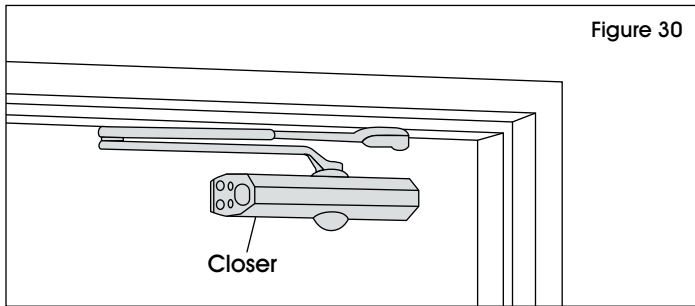
- Snap on cover and shaft cap. (See Figure 29)



# INSTALLATION CONTINUED

## PARALLEL ARM INSTALLATION

For parallel arm installation, closer is installed on push/stop side of door. (See Figure 30)



1. Locate proper template. Tear along dotted line, leaving one door template and one frame template. (See Figures 31-32)

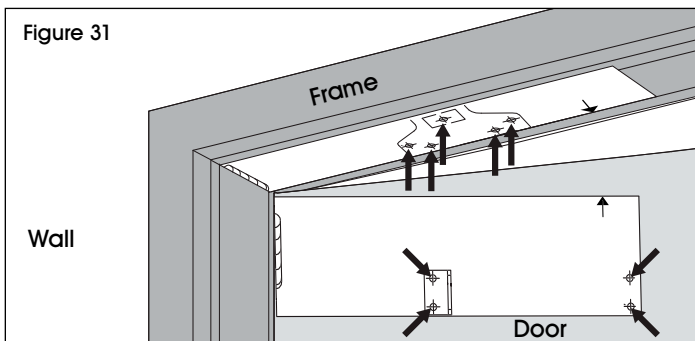
**NOTE:** Red arrows should align when templates are properly placed.

**IMPORTANT!** Figures 31-32 show 180° mounting. Align templates with the edge of the door on the hinged side.

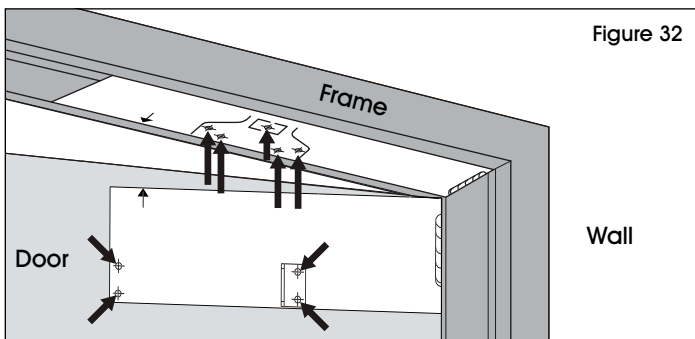
**IMPORTANT!** For 100° mounting, align templates 2.5" in from the edge of the door on the hinged side.

2. Center-punch four hole locations onto door and five onto frame. Remove template and drill 1/8" pilot holes into the punch locations. (See Figures 31-32)

### LEFT-HAND DOOR

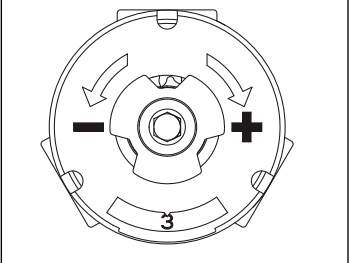


### RIGHT-HAND DOOR



3. Determine door width. With 5/32" Allen wrench, adjust spring power on closer cylinder to match chart below. (See Figure 33)

Figure 33

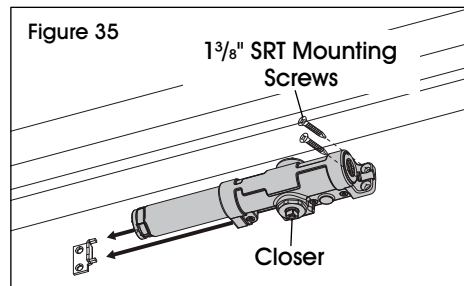
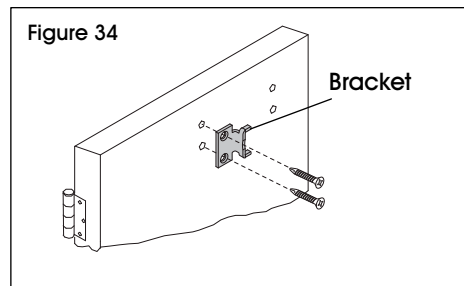


DOOR WIDTH	POWER ADJUST
	SET TO:
ADA	1
30"	2
32"	3
36"	4
42"	5
48"	6

**IMPORTANT!** Illustrations show installation on left-hand door. Instructions for right-hand doors are opposite.

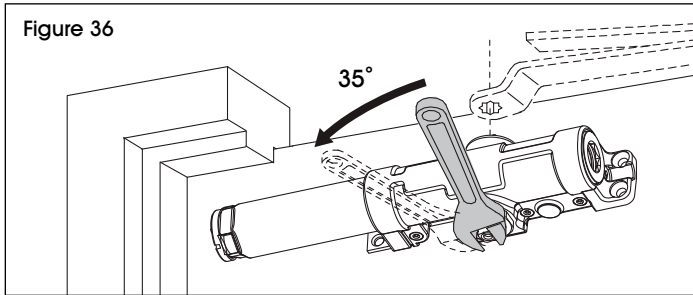
4. Secure bracket and closer to door using previously drilled pilot holes with four 3/8" SRT mounting screws. (See Figure 34-35)

**NOTE:** Reduce installation torque if using SRT mounting screws in wood. The use of wood screws is recommended for wood.



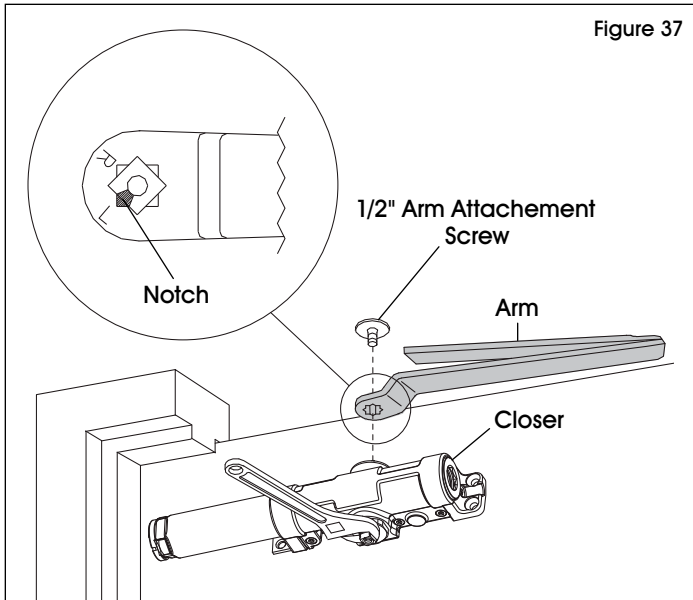
# INSTALLATION CONTINUED

- Pre-load closer to 35° with adjustable wrench. (See Figure 36)

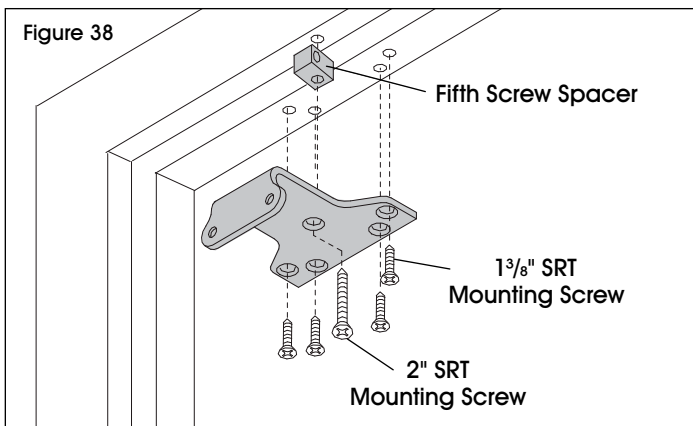


- Attach arm to the closer. Align notch on pinion with arm to corresponding L marking. Secure with 1/2" arm attachment screw. (See Figure 37)

**NOTE:** If installing on door with right-side hinges, align notch to R marking.



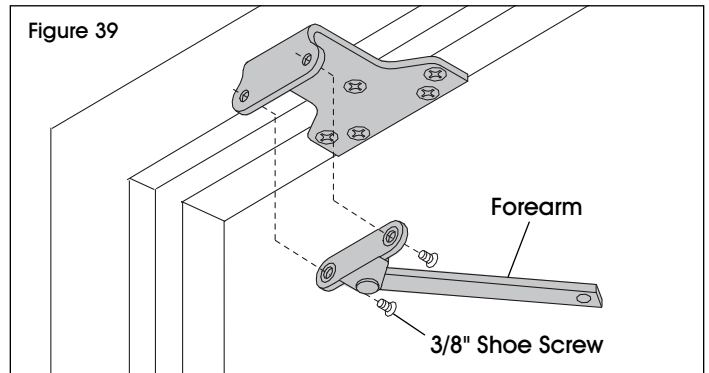
- Attach parallel arm shoe to door frame with four 1 3/8" SRT mounting screws and one 2" SRT mounting screw. Use fifth screw spacer to fill door frame gap. (See Figure 38)



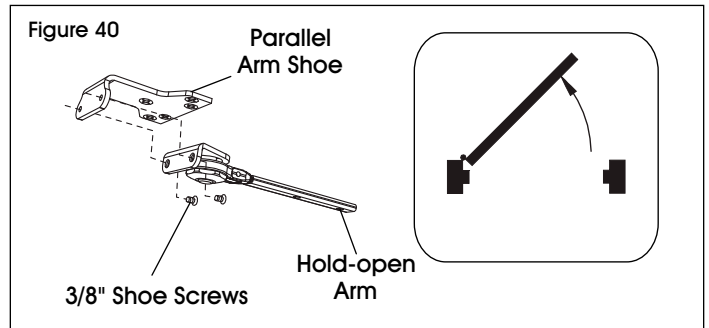
- Attach forearm to parallel arm shoe using two 3/8" shoe screws.

- Standard forearm installation (See Figure 39)
- Hold-open arm installation. (See Figures 40-41)

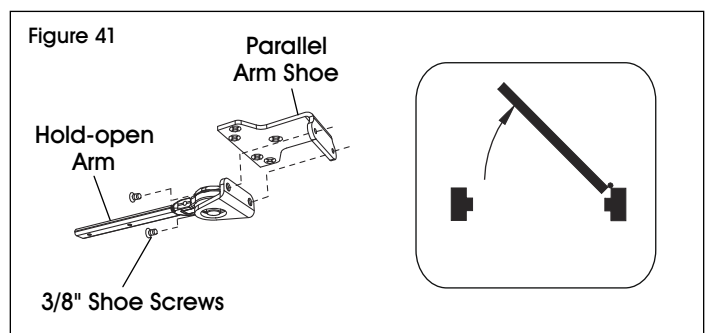
**NOTE:** Identify direction of hold-open nut according to mounting before installing. (See Figure 40)



## LEFT-HAND DOOR

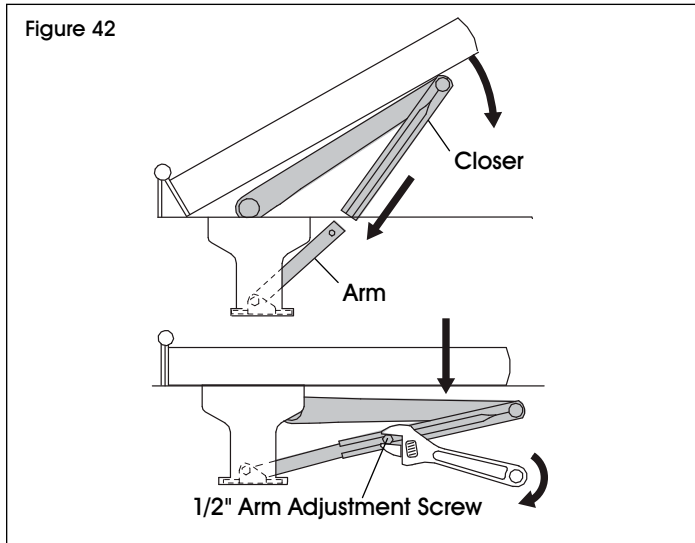


## RIGHT-HAND DOOR



# INSTALLATION CONTINUED

- Pre-load arm and secure to closer with 1/2" arm adjustment screw. (See Figure 42)

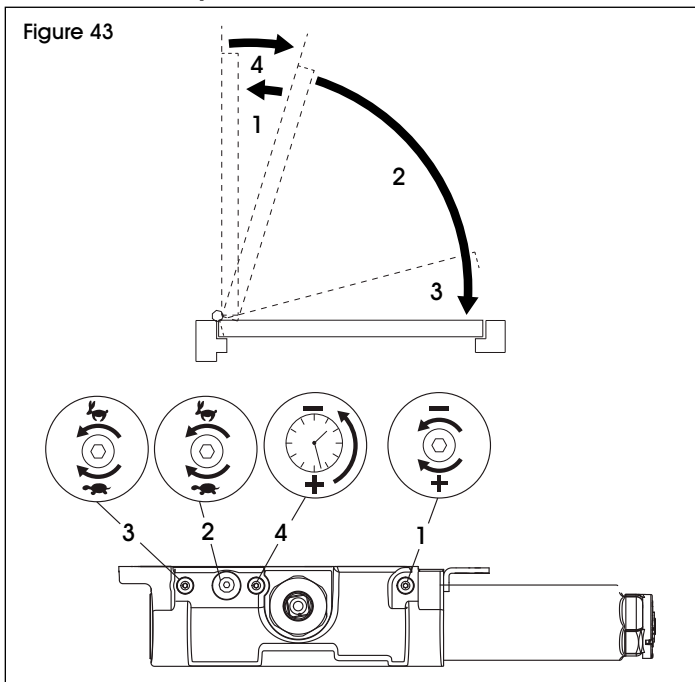


## CLOSER ADJUSTMENTS

With 3/32" Allen wrench, adjust closer's delay action settings to your preference. (See Figure 43)

**NOTE:** A "normal" closing time from 90° open position is 5-7 seconds, evenly divided between main speed and latch speed.

**CAUTION!** Opening of regulation valves too far may result in leakage of closer, personal injury or property damage. Follow all instructions carefully.

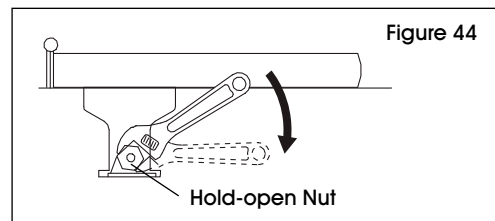


DELAY ACTION SETTINGS		
#	SETTING	ADJUSTMENT
1	Backcheck	Turn clockwise to increase. Turn counterclockwise to decrease.
2	Main Speed	Turn clockwise to slow speed. Turn counterclockwise to increase speed.
3	Latch Speed	Turn clockwise to slow speed. Turn counterclockwise to increase speed.
4	Delay Speed	Turn clockwise to increase delay. Turn counterclockwise to decrease delay.

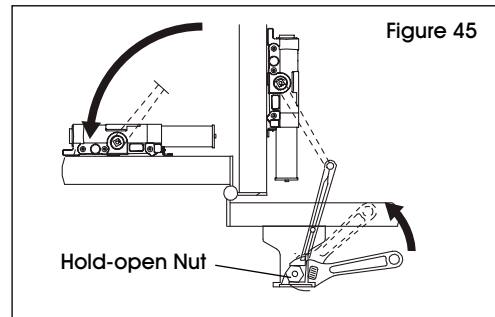
## ADJUSTING HOLD-OPEN ARM

If hold-open arm is installed, it may need to be adjusted after assembly is completed.

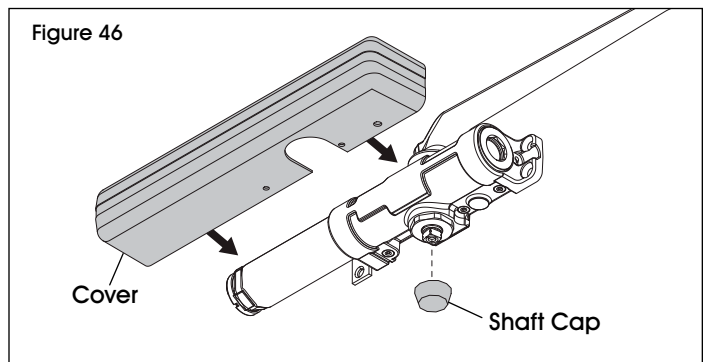
- Loosen hold-open nut. (See Figure 44)



- Open door to desired position and tighten hold-open nut securely. (See Figure 45)



- Snap on cover and shaft cap. (See Figure 46)



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