

DOOR CLOSER

QDC-212 and QDC-312

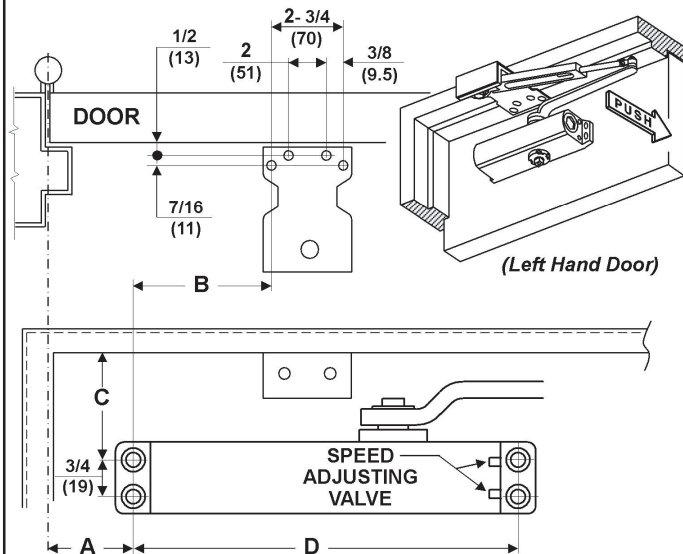
with Hold-Open Arm

Installation Instructions

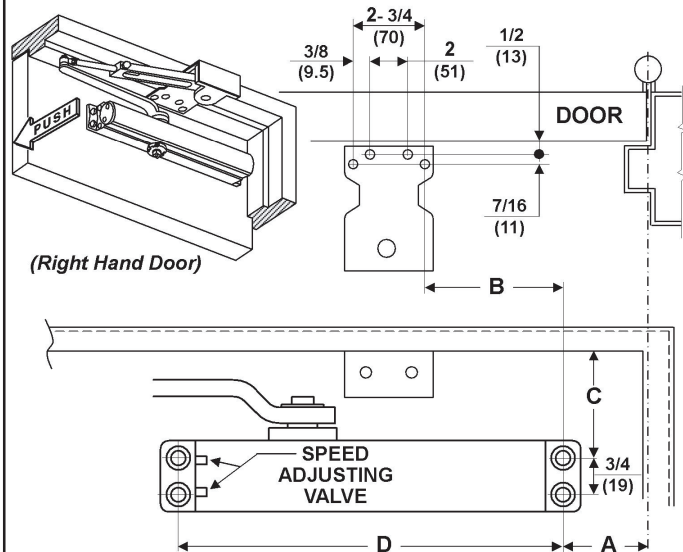
! Incorrect installation or adjustment could cause damage or injury. Read and follow instructions carefully.



Parallel arm (push side) mounting. LEFT HAND DOOR



Parallel arm (push side) mounting. RIGHT HAND DOOR



		Inches (mm)				
	Door Opening	Dim. A	Dim. B	Dim. C	Dim. D	
QDC-200	to 120"	3-3/4 (95)	5-3/4 (146)	3-19/32 (91)	12 (305)	
	121" to 180"	1-1/4 (32)	5-3/4 (146)	3-19/32 (91)	12 (305)	
QDC-300	to 100"	7-5/8 (194)	1-5/8 (41)	3-1/2 (89)	9-1/16 (230)	
	101" to 130"	6-1/8 (156)	1-5/8 (41)	3-1/2 (89)	9-1/16 (230)	
	131" to 180"	4-1/8 (105)	1-5/8 (41)	3-1/2 (89)	9-1/16 (230)	

COMPONENTS

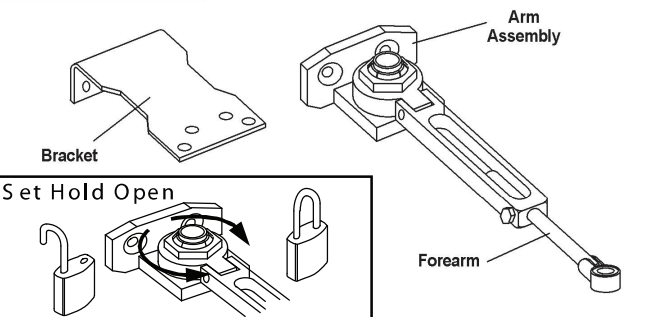
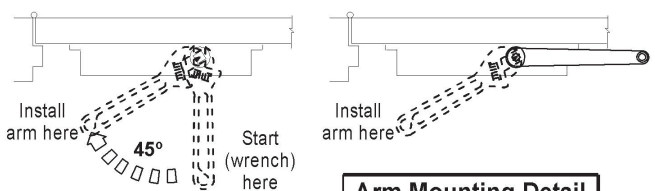
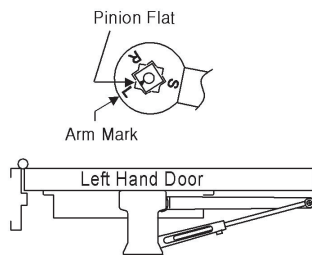


Figure 1



Left Hand Door



Right Hand Door

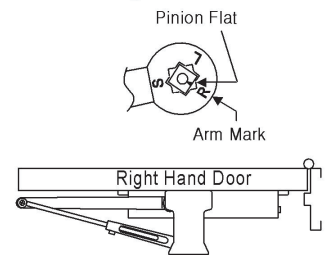


Figure LH

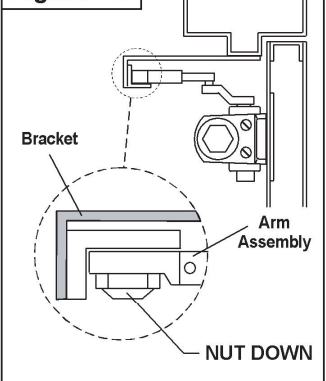
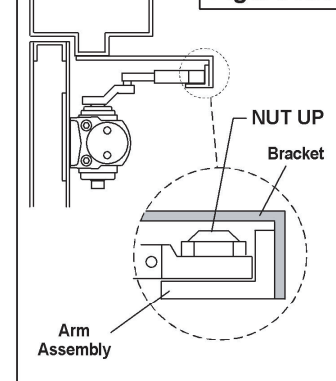


Figure RH



- Using dimensions from the appropriate diagram above, mark four (4) holes on door for door closer and four (4) holes on frame for parallel bracket. 2. Drill pilot holes in door and frame. Drill 7/32" (5.5mm) diameter holes for wood screws or drill and tap #7 (.201" diameter) for 1/4-20 machine screws.
- Mount closer on door using screws provided. SPEED ADJUSTING VALVE MUST BE POSITIONED AWAY FROM HINGE SIDE. 4. Install the parallel bracket to frame using screws provided. 5. Using a wrench on the square shaft at bottom of closer, rotate the shaft approximately 45° towards hinge edge of door. Holding shaft in place, position main arm on pinion shaft at top, indexing main arm mark "L" or "R" with pinion flat as shown in (Figure 1). Secure main arm to pinion shaft with screw and lock washer. 6. With screws provided, attach the arm assembly to inside of bracket with hold open nut positioned as follows: For left-hand door, hold open nut is positioned down (see Figure LH for reference). For right-hand door, hold open nut is positioned up (see Figure RH for reference). 7. Adjust length of forearm to allow end of forearm to slide onto post of main arm. Secure together with screw and washer. 8. Adjust closing speed and power, see page 4. 9. Snap pinion cap over shaft at bottom of closer or install (optional) cover using small screws.



The closing force for series QDC200 door closers is adjustable from a size 1 to a size 6, as outlined in ANSI Standard A156.4. When these series of door closers are installed and adjusted to conform to ADA reduced opening force requirements (5 lbs max) for interior doors, they may not have adequate closing force to reliably close and latch door. Power adjustments charted on this page are recommended where possible to ensure proper door control.



By law, the Americans with Disabilities Act (ADA) may require that door closer installation comply with accessibility guidelines.

Door Closer with Hold-Open Arm

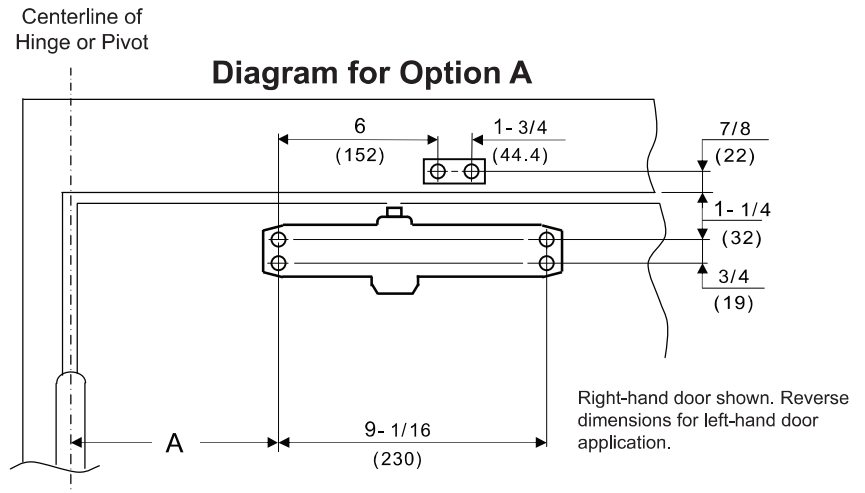
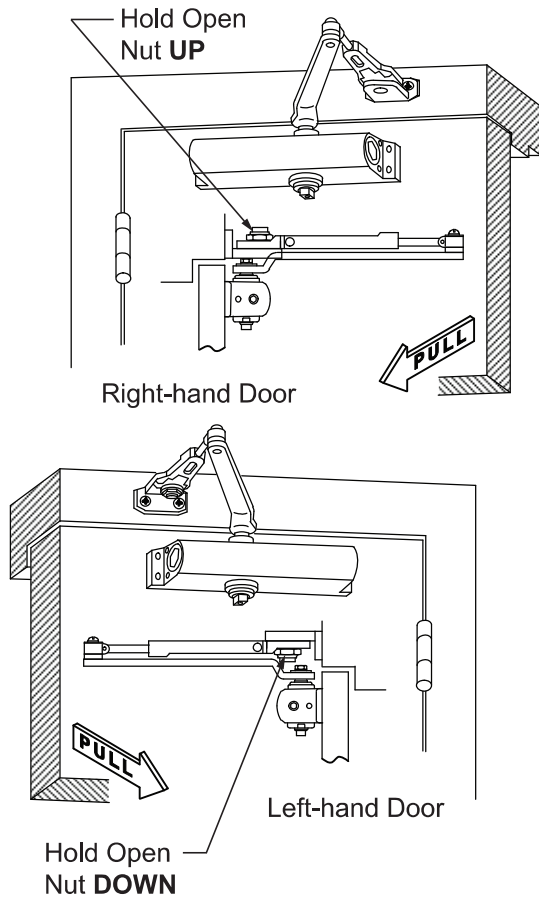
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EO104756

Option A - Regular Arm Installation

! Incorrect installation or adjustment could cause damage or injury. Read and follow instructions carefully.

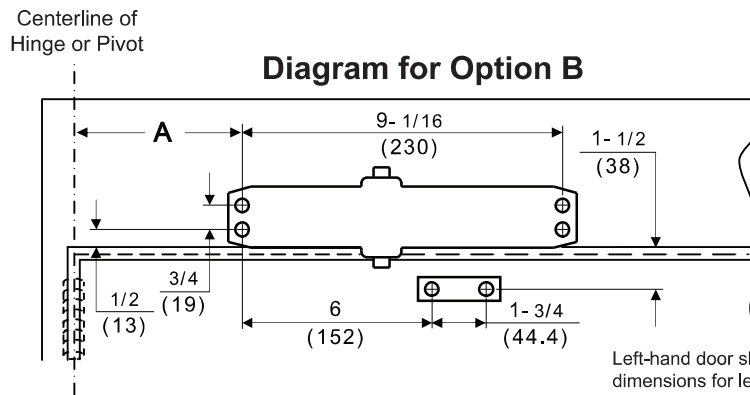
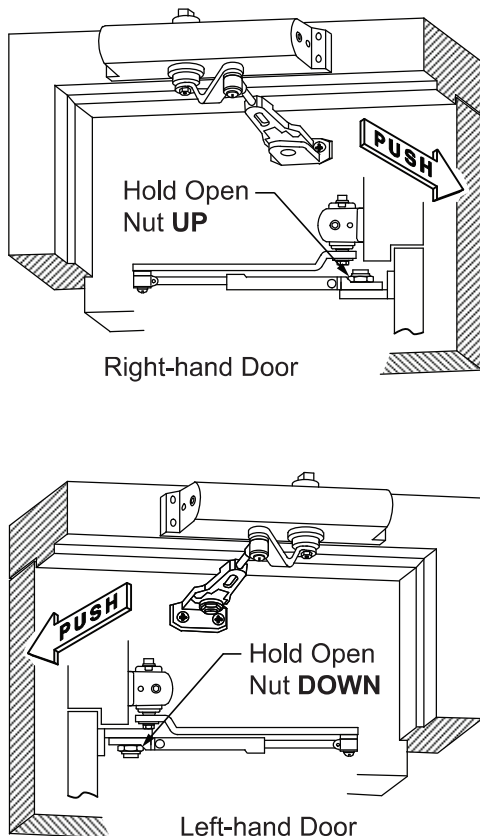
QDC300	Door Opening	Dim A	Hold Degrees
	to 100°	7-5/8 (194)	90° ~ 100°
	101° to 130°	6-1/8 (156)	101° ~ 130°
	131° to 180°	4-1/8 (105)	131° ~ 180°



Option A: 1. Select degree of opening from table above and use template dimensions shown in diagram. Mark four holes in door for door closer and two holes on frame for arm shoe. 2. Drill pilot holes in door and frame for #14 all-purpose screws or drill and tap for 1/4-20 machine screws. 3. Install adjustable forearm/arm shoe assembly to frame using screws provided. 4. Install main arm to top pinion shaft using screw provided. 5. Mount door closer on door using screws provided. **SPRING POWER ADJUSTING NUT MUST BE POSITIONED AWAY FROM HINGE EDGE.** 6. Adjust length of adjustable forearm so that adjustable forearm is perpendicular to frame when assembled to preloaded main arm. Secure forearm to main arm with screw provided. 7. Snap pinion cap over shaft at bottom of door closer (pinion cap not necessary when using full cover). 8. Adjust closing speed, backcheck control, and spring power of door per instructions on Sheet 4, **Door Closer Adjustments.**

Option B - Top Jamb Installation

QDC300	Door Opening	Dim A	Hold Degrees
	to 100°	7-5/8 (194)	90° ~ 100°
	101° to 130°	6-1/8 (156)	101° ~ 130°
	131° to 180°	4-1/8 (105)	131° ~ 180°



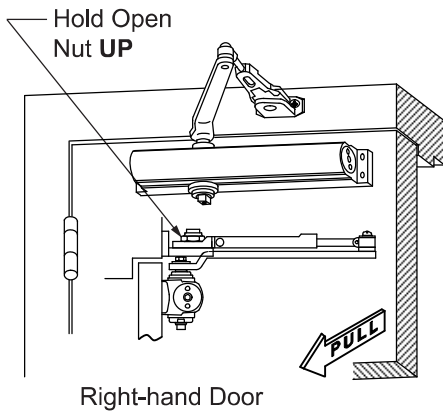
Option B: 1. Select degree of opening from table above and use template dimensions shown in diagram. Mark four holes in door for door closer and two holes on frame for arm shoe. 2. Drill pilot holes in door and frame for #14 all-purpose screws or drill and tap for 1/4-20 machine screws. 3. Install adjustable forearm/arm shoe assembly to door using screws provided. 4. Install main arm to top pinion shaft using screw provided. 5. Mount door closer body on frame using screws provided. **SPRING POWER ADJUSTING NUT MUST BE POSITIONED AWAY FROM HINGE EDGE.** 6. Adjust length of adjustable forearm so that adjustable forearm is perpendicular to door when assembled to preloaded main arm. Secure forearm to main arm with screw provided. 7. Snap pinion cap over shaft at top of door closer (pinion cap not necessary when using full cover). 8. Adjust closing speed, backcheck control, and spring power of door per instructions on Sheet 4, **Door Closer Adjustments.**

Door Closer with Hold-Open Arm

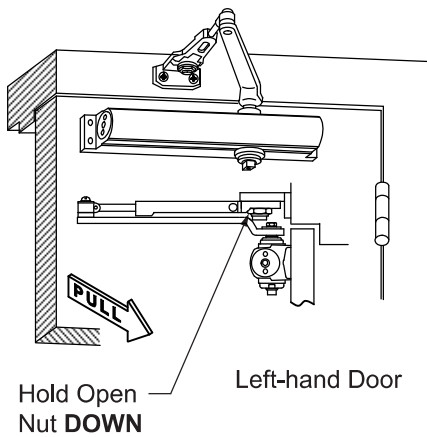
Option A – Regular Arm Installation

! Incorrect installation or adjustment could cause damage or injury. Read and follow instructions carefully.

QDC200	Door Opening	Dim A	Hold Degrees
	to 100°	7-1/2 (191)	90° ~ 100°
	101° to 130°	6 (152)	101° ~ 130°
	131° to 180°	4-1/2 (114)	131° ~ 180°



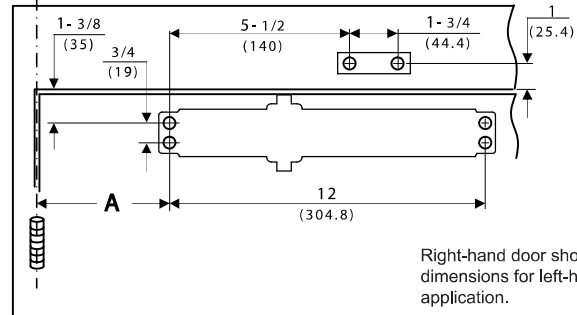
Right-hand Door



Left-hand Door

Centerline of Hinge or Pivot

Diagram for Option A

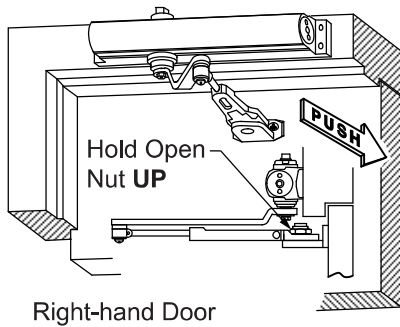


Right-hand door shown. Reverse dimensions for left-hand door application.

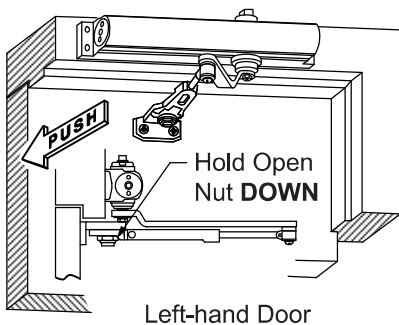
Option A: 1. Select degree of opening from table above and use template dimensions shown in diagram. Mark four holes on door for door closer and two holes on frame for arm shoe. 2. Drill pilot holes in door and frame for #14 all-purpose screws or drill and tap for 1/4-20 machine screws. 3. Install adjustable forearm/arm shoe assembly to frame using screws provided. 4. Install main arm to top pinion shaft using screw provided. 5. Mount door closer on door using screws provided. **SPRING POWER ADJUSTING NUT MUST BE POSITIONED AWAY FROM HINGE EDGE.** 6. Adjust length of adjustable forearm so that adjustable forearm is perpendicular to frame when assembled to preloaded main arm. Secure forearm to main arm with screw provided. 7. Snap pinion cap over shaft at bottom of door closer (pinion cap not necessary when using full cover). 8. Adjust closing speed, backcheck control, and spring power of door per instructions on Sheet 4, **Door Closer Adjustments.**

Option B – Top Jamb Installation

QDC200	Door Opening	Dim A	Hold Degrees
	to 100°	7-1/2 (191)	90° ~ 100°
	101° to 130°	6 (152)	101° ~ 130°
	131° to 180°	4-1/2 (114)	131° ~ 180°



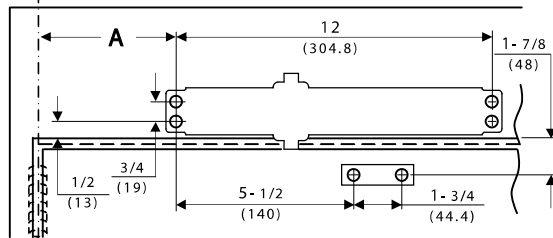
Right-hand Door



Left-hand Door

Centerline of Hinge or Pivot

Diagram for Option B



Left-hand door shown. Reverse dimensions for left-hand door application.

Option B: 1. Select degree of opening from table above and use template dimensions shown in diagram. Mark four holes on door for door closer and two holes on frame for arm shoe. 2. Drill pilot holes in door and frame for #14 all-purpose screws or drill and tap for 1/4-20 machine screws. 3. Install adjustable forearm/arm shoe assembly to door using screws provided. 4. Install main arm to top pinion shaft using screw provided. 5. Mount door closer body on frame using screws provided. **SPRING POWER ADJUSTING NUT MUST BE POSITIONED AWAY FROM HINGE EDGE.** 6. Adjust length of adjustable forearm so that adjustable forearm is perpendicular to door when assembled to preloaded main arm. Secure forearm to main arm with screw provided. 7. Snap pinion cap over shaft at top of door closer (pinion cap not necessary when using full cover). 8. Adjust closing speed, backcheck control, and spring power of door per instructions on Sheet 4, **Door Closer Adjustments.**