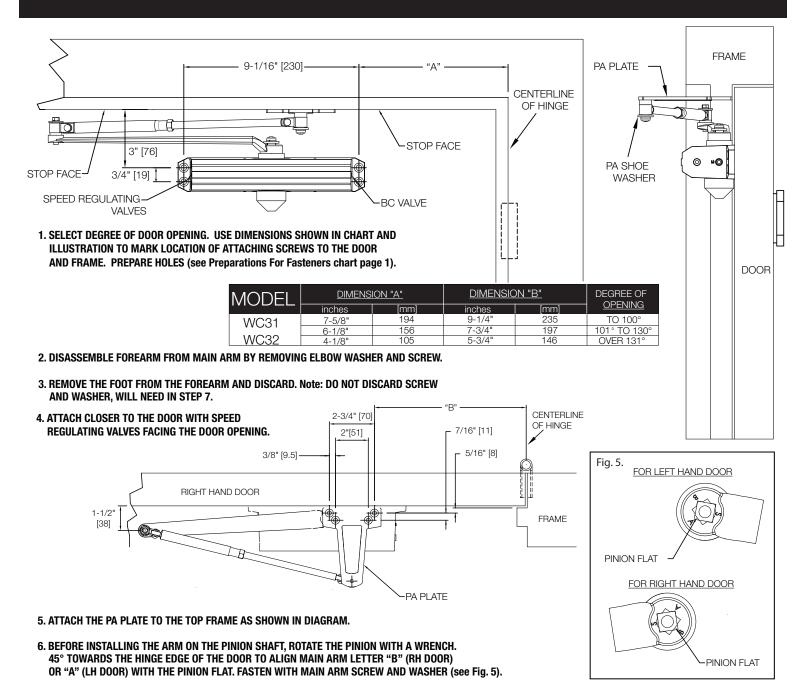
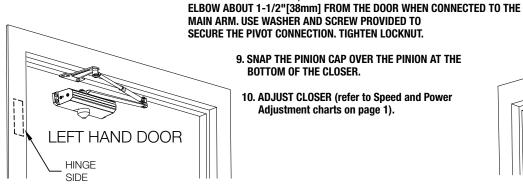
PARALLEL ARM INSTALLATION WC31 or WC32 INSTALLATION INSTRUCTIONS



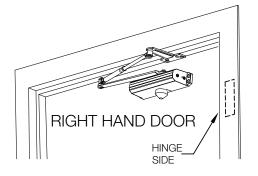
7. FASTEN FOREARM TO THE PA PLATE, USING THE SCREW THAT WAS REMOVED FROM THE FOOT IN STEP 3 AND PA SHOE WASHER INCLUDED IN THE SCREW PACK.



9. SNAP THE PINION CAP OVER THE PINION AT THE BOTTOM OF THE CLOSER.

8. WITH THE DOOR CLOSED, ADJUST THE FOREARM LENGTH TO SET ARM

10. ADJUST CLOSER (refer to Speed and Power Adjustment charts on page 1).

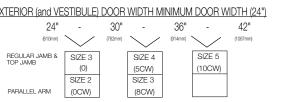




DOOR CLOSER WC31/WC32 INSTALLATION INSTRUCTIONS

POWER ADJUSTMENT

BEFORE INSTALLATION, ADJUST THE SPRING POWER AS SHOWN ON CHARTS BELOW. DO NOT EXCEED THE MAXIMUM TURN. THE SPRING POWER HAS BEEN PRESET TO "0" TURNS FROM FACTORY.



38" - 48" - 54" SIZF 1 SIZE 3 SIZF 4 SIZE 5 & TOP JAMB (7CCW) (4CCW) (O) (5CW) (10CW) SIZE 2 SIZE 3 (8CW) (7CCW) (O)

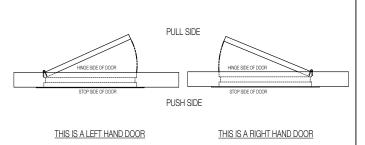
APPROX. 5 TURNS TO INCREASE / DECREASE ONE SIZE CW=CLOCKWISE CCW= COUNTERCLOCKWISE

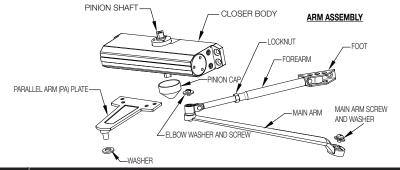
PREPARATION FOR FASTENERS

FASTENERS	DOOR OR FRAME	DRILL SIZES	WHERE USED	*DRILL DEPTH	
Self Drilling/Tapping Machine Screw	Hollow Metal or Aluminum	3/16"	Closer	Thru One Side	
1/4" - 20 Machine Screws	Hollow Metal	#7 (.201") Drill Bit &	Closer	1"	
		1/4" - 20 Tap	Parallel Arm (PA) Plate/Foot	5/8"	
Wood Screw	Wood	1/8" Drill Bit - Softwood	Closer & PA Plate/	1 1/4"	
		3/16" Drill Bit - Hardwood	Foot		

* Measure door thickness before drilling pilot holes to prevent drilling through opposite side

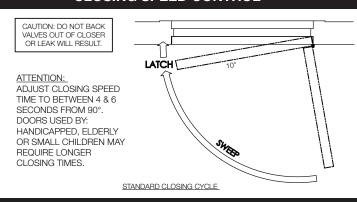
CHART TO DETERMINE HAND OF DOOR



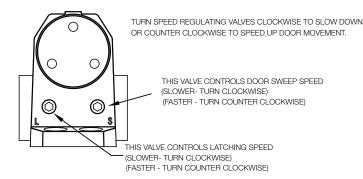


COMPONENTS

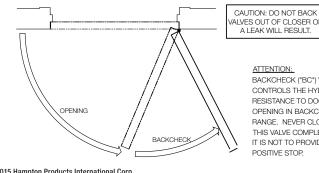
CLOSING SPEED CONTROL



REGULATING SWEEP SPEED & LATCHING SPEED



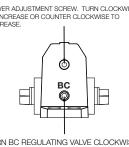
REGULATING OPENING POWER & BACKCHECK POWER



ATTENTION: BACKCHECK ("BC") VALVE CONTROLS THE HYDRAULIC RESISTANCE TO DOOR OPENING IN BACKCHECK RANGE, NEVER CLOSE THIS VALVE COMPLETELY. IT IS NOT TO PROVIDE A

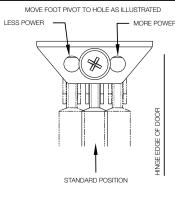
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POWER ADJUSTMENT SCREW. TURN CLOCKWISE TO INCREASE OR COUNTER CLOCKWISE TO DECREASE



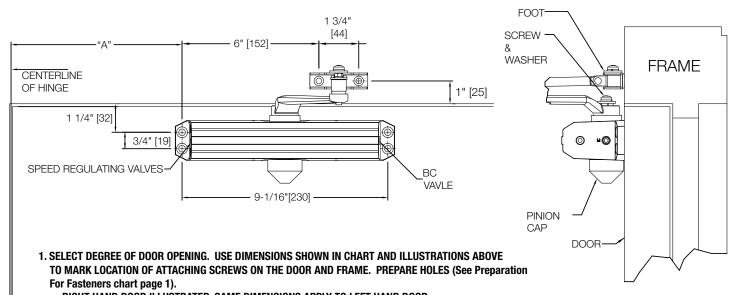
TURN BC REGULATING VALVE CLOCKWISE TO INCREASE OR COUNTER CLOCKWISE TO DECREASE. NEVER CLOSE THIS VALVE

ADJUSTING FOOT FOR INITIAL OPENING POWER



For Customer Care call: Toll Free 800-562-5625 or info@hamptonproducts.com

REGULAR ARM INSTALLATION WC31 or WC32 INSTALLATION INSTRUCTIONS

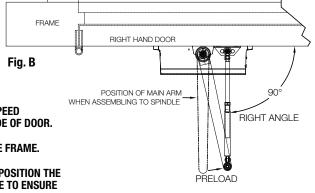


- · RIGHT HAND DOOR ILLUSTRATED, SAME DIMENSIONS APPLY TO LEFT HAND DOOR
- MEASURED FROM HINGE CENTERLINE
- DO NOT SCALE DRAWING

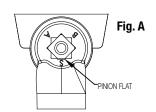
MODEL	<u>DIMENSIONS "A"</u>		OPENING	DOOR WIDTH		ADA
	inches	[mm]		Interior	Exterior	COMPLIANT
WC31	7"	178	TO 100°	LIP TO	UP TO	
	6"	152	101° TO 120°	54"	42"	فع
WC32	3-1/2"	89	* 121° TO 180°	J 4	42	Ė

*DOOR/WALL/HARDWARE/JAMB CONDITIONS PERMITTING

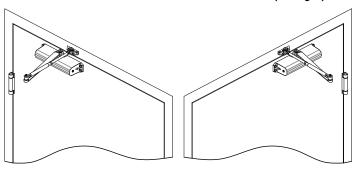
- 2. DISASSEMBLE FOREARM FROM MAIN ARM BY REMOVING ELBOW WASHER AND SCREW.
- 3. MOUNT MAIN ARM ONTO CLOSER PINION SHAFT, ALIGNING ARM MARK "S" WITH PINION FLAT (see Fig A.) SECURE WITH MAIN ARM SCREW AND WASHER.



PAGE 2



- 4. ATTACH CLOSER TO THE DOOR WITH THE SPEED REGULATING VALVES FACING THE HINGE SIDE OF DOOR.
- 5. ATTACH THE FOOT OF THE FOREARM TO THE FRAME.
- 6. ADJUST THE LENGTH OF THE FOREARM TO POSITION THE FOREARM AT A RIGHT ANGLE TO THE FRAME TO ENSURE PROPER LATCHING (See Fig. B).



LEFT HAND DOOR RIGHT HAND DOOR

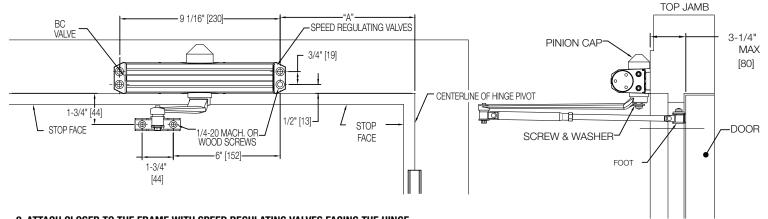
- 7. REATTACH MAIN ARM AND FOREARM USING ELBOW SCREW AND WASHER.
- 8. SNAP PINION CAP OVER THE PINION AT THE BOTTOM OF THE CLOSER.
- 9. ADJUST CLOSER (refer to Speed and Power Adjustment charts on page 1).

TOP JAMB INSTALLATION WC31 or WC32 INSTALLATION INSTRUCTIONS

1. SELECT DEGREE OF DOOR OPENING. **USE DIMENSIONS SHOWN IN CHART AND ILLUSTRATIONS BELOW TO MARK LOCATION** OF ATTACHING SCREWS ON THE DOOR AND FRAME. PREPARE HOLES (see Preparation For Fasteners chart page 1).

MODEL	DIMENSIONS "A"		<u>OPENING</u>	DOOR WIDTH		ADA
WODEL	inches	[mm]		Interior	Exterior	COMPLIANT
WC31	7"	178	TO 100°	LIP TO	UP TO	
	6"	152	101° TO 120°	54"	42"	Ġ
WC32	3-1/2"	89	* 121° TO 180°	34	42	ė.

*DOOR/WALL/HARDWARE/JAMB CONDITIONS PERMITTING



- 2. ATTACH CLOSER TO THE FRAME WITH SPEED REGULATING VALVES FACING THE HINGE.
- 3. DISASSEMBLE FOREARM FROM MAIN ARM BY REMOVING **ELBOW WASHER AND SCREW.**
- 4. MOUNT MAIN ARM ONTO CLOSER PINION SHAFT, ALIGNING ARM MARK "S" WITH PINION FLAT (see Fig. A). SECURE WITH MAIN SCREW AND WASHER.
- 5. ATTACH THE FOOT OF THE FOREARM TO THE DOOR.
- 6. WHEN CONNECTING THE FOREARM TO MAIN ARM: ADJUST THE LENGTH OF THE FOREARM TO POSITION AT A RIGHT ANGLE TO THE FRAME TO ENSURE PROPER PRELOAD (see Fig. B). USE WASHER AND SCREW PROVIDED TO SECURE PIVOT CONNECTION. TIGHTEN LOCKNUT ON FOREARM.
- 7. SNAP THE PINION CAP OVER THE PINION AT THE TOP OF THE CLOSER.
- 8. ADJUST CLOSER (refer to Speed and Power Adjustment charts on page 1).

