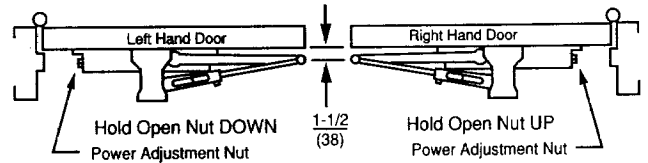
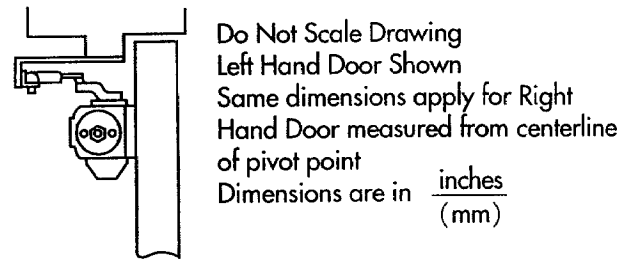
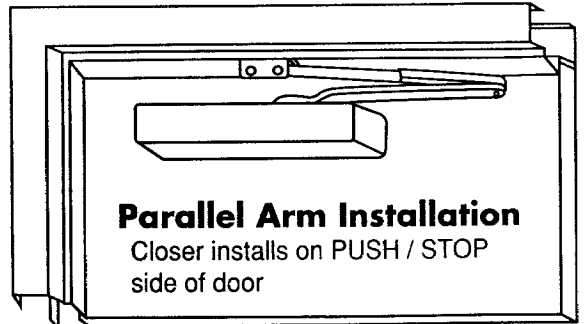
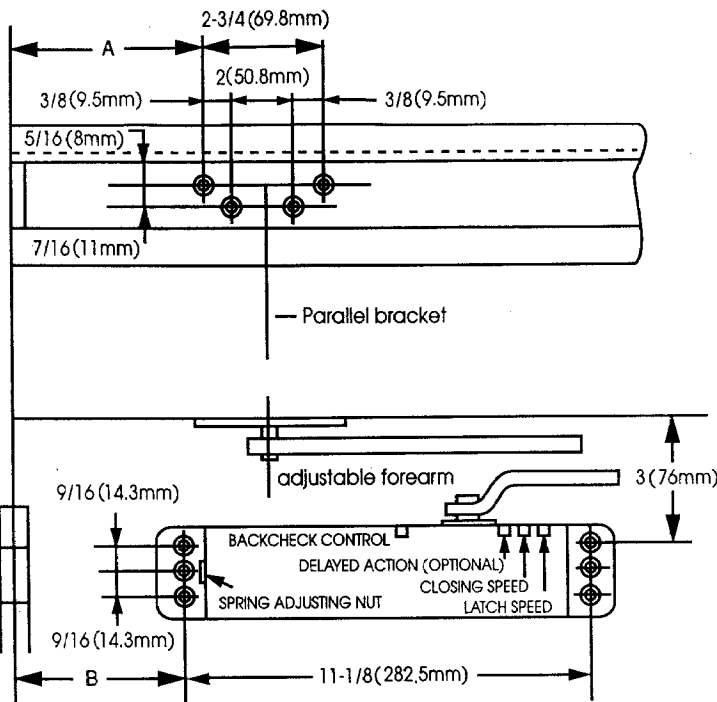


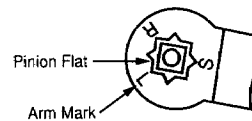
Installation Instructions for PARALLEL ARM(PUSH SIDE) Mounting



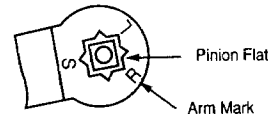
OPENING	DIM.A	DIM.B
To 120°	9-1/8(241mm)	6-1/8(156mm)
120° - 180°	5-7/8(149.2mm)	2-9/16(65mm)

INSTALLATION INSTRUCTIONS

- Select degree of opening from table and use template dimensions shown in above, mark six (6) holes on door for door closer and four (4) holes underside of frame for bracket.
- Drill pilot holes in door and frame for #14 all-purpose screws of drill and tap for 1/4 - 20 machine screws.
- Mount closer on door using screws provided
SPRING POWER ADJUSTING NUT MUST BE POSITIONED TOWARD HINGE EDGE.
- Install Parallel Arm Bracket to frame using screws provided.
- Using a wrench on the square shaft at bottom of closer, rotate shaft approximately 45° toward hinge edge of door. Hold and place main arm of shaft on top of closer at proper index mark as illustrated.
FOR LEFT HAND DOOR "L" (illustration "A")
FOR RIGHT HAND DOOR "R" (illustration "B"). Tighten arm screw with lockwasher securely.
- Remove arm shoe from the forearm and discard (arm shoe is not used for parallel installation) and tighten screw securely.
- Adjust length of adjustable forearm so that adjustable forearm is parallel to frame.
- Snap pinion cap over shaft at bottom of closer (When using full cover, pinion cap is not necessary)
- Adjust closing speed, back check control and spring power of door, following instructions as shown page 6 or "How To Adjust Spring Power"
- Remove hold open bracket and holder loop from arm assembly. Assemble adaptor plate to hold open bracket.
Hold Open Nut DOWN on Left Hand door. Hold Open Nut UP on Right Hand door. Fasten assembled adaptor plate and hold open bracket to soffit.



Left Hand Door



Right Hand Door

NOTE: TO install main arm, pinion shaft must be rotated in excess of 50° to permit alignment with proper arm mark.

HOW TO ADJUST SPRING POWER

BE NOTED THAT 900 SERIES ARE SET DOWN AS DOOR CLOSER SIZE 3 FROM THE FACTORY
EX: SIZE 2 CLOSER CAN BE MADE BY ROTATING SPRING ADJUSTING NUT ANTI-CLOCKWISE 3 TURNS BECAUSE IT WAS SET DOWN AS SIZE 3 FROM THE FACTORY ORIGINALLY. ALSO IN A SAME WAY, SIZE 6 CLOSER CAN BE MADE BY ROTATING SPRING ADJUSTING NUT CLOCKWISE 9 TURNS.

DOOR CLOSER SIZE		CLOCKWISE TURNS OF ADJUSTING NUT		APPLICABLE DOOR SIZE		APPLICABLE DOOR WEIGHT
900-P/PDA (SIZE 1/2-6)	900-FBF/BFDA (SIZE 1/2-4)	900-P/PDA (SIZE 2-6)	900-PBF/BFDA (SIZE 1/2-4)	INTERIOR	EXTERIOR (SWING OUT)	
NOT RECOMMENDED USE 900-PBF/BFDA	1/2	N/A	• -9	28" (0.71m)	24" (0.51m)	22-33 Lbs (10-15kg)
NOT RECOMMENDED USE 900-PBF/BFDA	1	N/A	• -6	32" (0.81m)	28" (0.71m)	33-55 Lbs (15-30kg)
2	2	• -3	• -3	36" (0.91m)	32" (0.81m)	66-88 Lbs (30-45kg)
3	3	0 (FACTORY SET)	0 (FACTORY SET)	42" (1.07m)	38" (0.91m)	99-143 Lbs (45-85kg)
4	4	3	3	48" (1.22m)	42" (1.07m)	143-187 Lbs (65-85kg)
5	NOT RECOMMENDED USE 900-P/PDA	6	N/A	54" (1.37m)	48" (1.22m)	187-264 Lbs (85-120kg)
6	NOT RECOMMENDED USE 900-P/PDA	9	N/A	58" (1.47m)	52" (1.32m)	264-330 Lbs (120-150kg)

• - 3 MEANS 3 TURNS TO ANTI - CLOCKWISE