

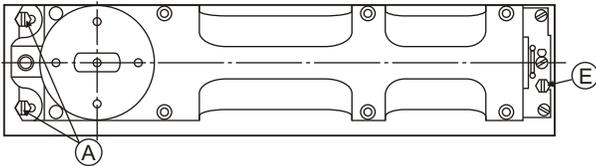


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CRL HEAVY WEIGHT, FLOOR MOUNT DOOR CLOSERS

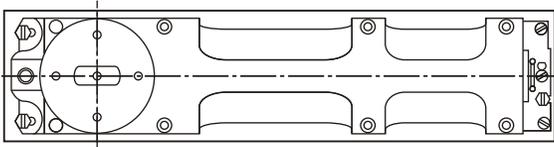
CRL8520, CRL8530, CRL8540

INSTALLATION INSTRUCTIONS



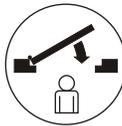
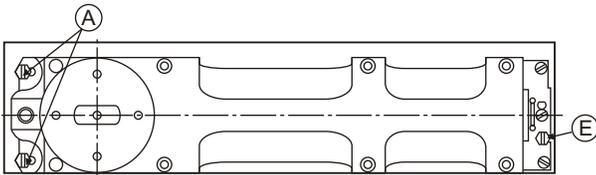
Right-Hand Door (Left-Hand Reverse Bevel)

Loosen mounting screws (A) and (E)
 Move closer in cement box as illustrated.



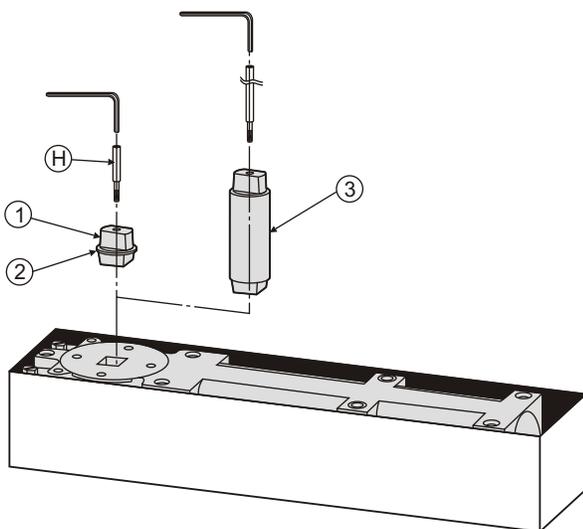
Double Acting Door

Floor closer should be positioned in center of cement box.



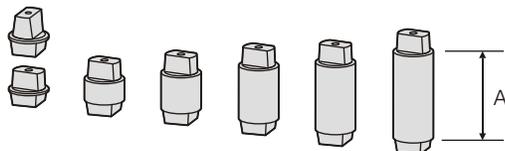
Left-Hand Door (Right-Hand Reverse Bevel)

Loosen mounting screws (A) and (E)
 Move closer in cement box as illustrated.



Exchange of spindle insert

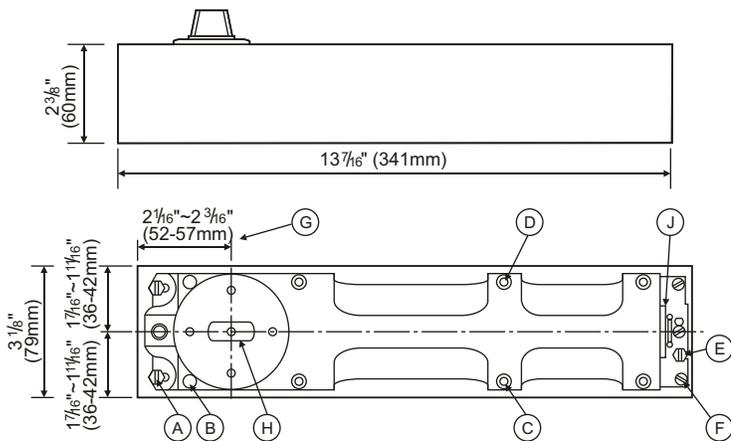
Remove screw (H) with allen ranch (5mm) and remove standard spindle insert (1).
 Push dust cap (2) into groove of extended spindle inset (3). Fit extended spindle into closer and tighten securely.



Interchangeable Spindles

CAT. NO	COLLAR (A) HEIGHT	DOOR CLEARANCE
CRL9040S3	*1/8" (3 mm)	5/16" (8 mm)
CRL9040S8	5/16" (8 mm)	1/2" (13 mm)
CRL9040S13	1/2" (13 mm)	11/16" (17 mm)
CRL9040S18	3/4" (18 mm)	15/16" (24 mm)
CRL9040S23	7/8" (23 mm)	1-1/16" (27 mm)
CRL9040S28	1-1/8" (28 mm)	1-5/16" (33 mm)
CRL9040S33	1-5/16" (33 mm)	1-7/16" (37 mm)

*Standard Spindle Supplied with Closer



- A = Mounting Screws
- B = Height Adjustment Screws
- C = Regulating Valve to Select Hold-Open or Delayed Action
- D = Regulating Valve for Closing Speed (**Adjust 1/4 turn increments**)
- E = Mounting Screws
- F = Height Adjustment Screws
- G = Spindle Backset Adjustment
- H = Changeable Spindle
- J = Regulating Valve to Adjust:
 - Hold-Open Degree (Refer to Chart 1)
 - Delayed Action Degree (Refer to Chart 2)

Chart 1.

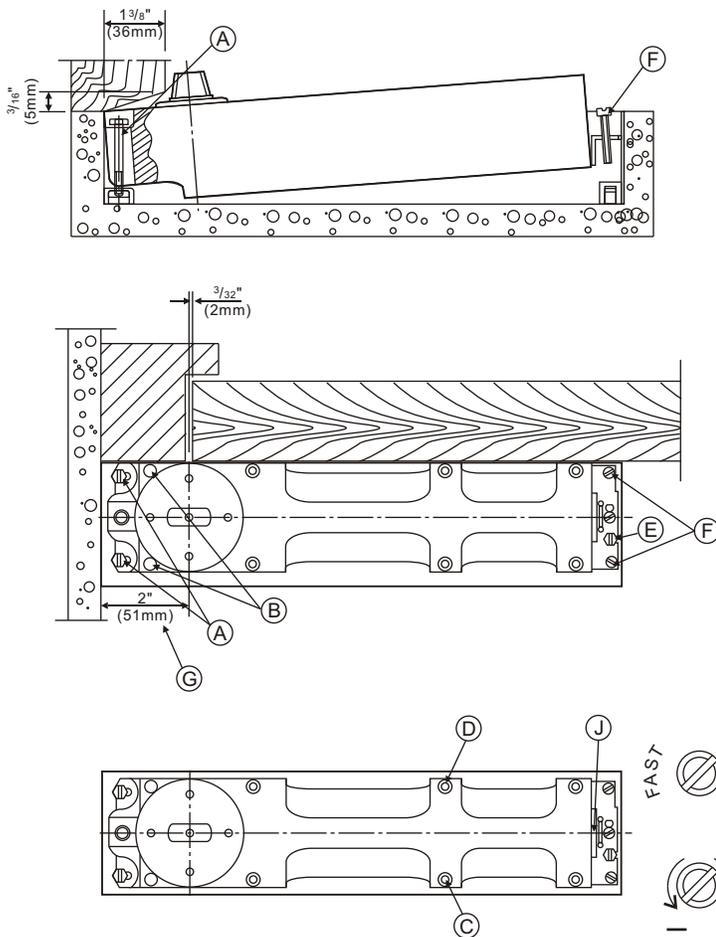
Turns in "J" valve	-2	-1	0	1	2	3
Hold Open Degree	70	80	90	95	100	105

Factory preset is in **Bold** (-2 means 2 turns counter-clockwise)

Chart 2.

Turns in "J" valve	-2	-1	0	1	2	3
Delayed Action Degree	60	70	80	85	90	95

Factory preset is in **Bold** (-2 means 2 turns counter-clockwise)



Installation

- (1) The cement case must be installed to allow for a pivot center-line dimension of 2-3/4" (70mm) backset from finished door jamb. The spindle backset **G** can be adjusted $\pm 1/8"$ (3mm) within the cement case.
- (2) The cement case top must be flush with the finished floor. The closer body can be raised approximately 1/8" (3mm) with screws **B** & **F**. **The Closer Must Remain Level.** Use the appropriate spindle size to achieve the desired clearance.
- (3) Adjust the closer body as required for center-hung or offset applications. Use Screws **A** & **E** to secure the closer body in the cement case.

Adjustments for Regulating **C** Valve: (Adjust 1/4 turn increments)

- 1) **Hold-open:** Closer is preset at **90**, if you do not want Hold-open, turn valve counter-clockwise. (Note: Hold-open function is obtained when valve is completely closed)
- 2) **Delayed Action:** By turning regulating valve **C** counter-clockwise adjustable time delay is obtained. Continue turning until you achieve the desired time.
- 3) **Closing Speed:** When Hold-open and Delayed Action is not in use, the regulating valve **C** will control the closing speed range from approx. 180 to 80

Degree Adjustments for Hold-Open and Delayed Action **J**

The regulating screw **J** (requires 7/8" (22mm) open-end wrench) controls the range and start position at which Hold-Open or Delayed Action will begin to occur.

Hold-Open = Chart 1

Delayed Action = Chart 2