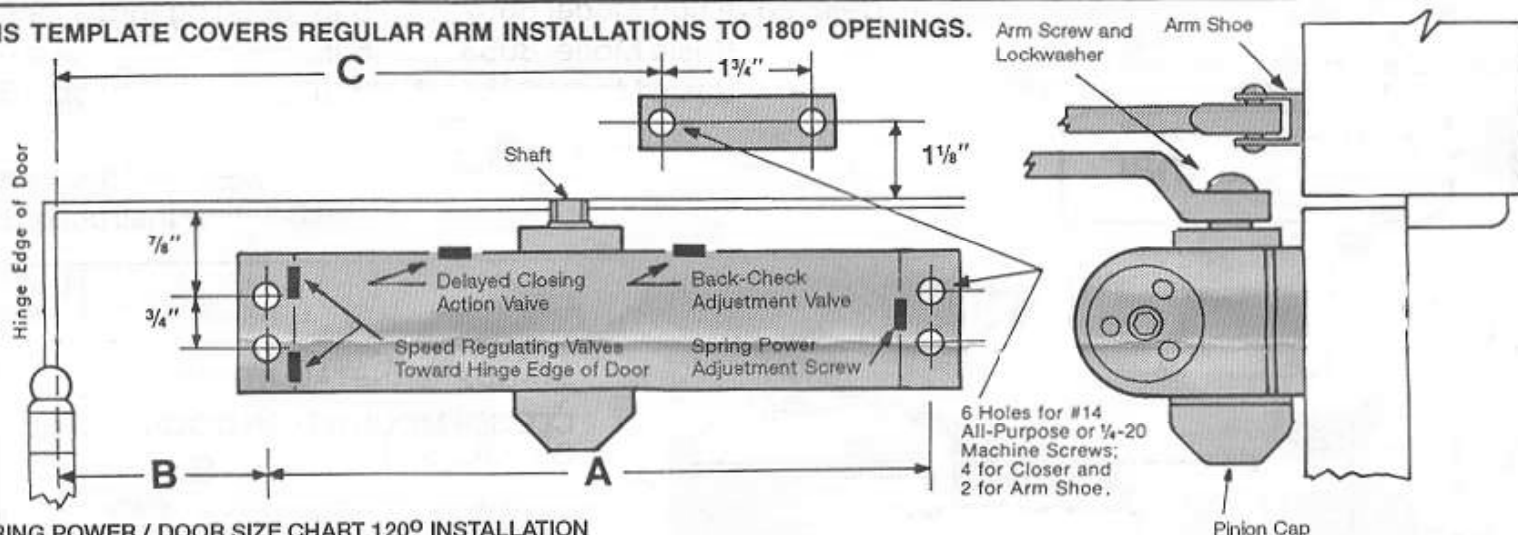


# STANDARD INSTALLATION

## CLOSER MOUNTED ON DOOR ON PULL SIDE

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180° OPENINGS.



SPRING POWER / DOOR SIZE CHART 120° INSTALLATION

| 8051 & 8054                           |                           |                              |                             |
|---------------------------------------|---------------------------|------------------------------|-----------------------------|
| FULL TURNS OF SPRING ADJUSTMENT SCREW | MAXIMUM DOOR WIDTH        |                              |                             |
|                                       | INTERIOR DOOR SIZE        | EXTERIOR DOOR SIZE SWING OUT | EXTERIOR DOOR SIZE SWING IN |
| 1                                     | 8 1/2 Pound Opening Force |                              |                             |
| 3                                     | 36"                       | 32"                          | 28"                         |
| 6                                     | 42"                       | 36"                          | 32"                         |
| 11                                    | 48"                       | 42"                          | 36"                         |
| 17                                    | 54"                       | 48"                          | 42"                         |

| 8052 & 8053                           |                       |                              |                             |
|---------------------------------------|-----------------------|------------------------------|-----------------------------|
| FULL TURNS OF SPRING ADJUSTMENT SCREW | MAXIMUM DOOR WIDTH    |                              |                             |
|                                       | INTERIOR DOOR SIZE    | EXTERIOR DOOR SIZE SWING OUT | EXTERIOR DOOR SIZE SWING IN |
| 1                                     | 5 Pound Opening Force |                              |                             |
| 6                                     | 36"                   | 32"                          | 28"                         |
| 13                                    | 42"                   | 36"                          | 32"                         |
| 19                                    | 48"                   | 42"                          | 36"                         |

RIGHT HAND DOOR ILLUSTRATED. Same dimensions apply for Left Hand Door measured from hinge edge.

| A       | FOR OPENING TO 120° |          | FOR OPENING 120°-180° |        |
|---------|---------------------|----------|-----------------------|--------|
|         | B                   | C        | B                     | C      |
| 9 1/16" | 5 7/8"              | 12 1/16" | 3 1/4"                | 8 7/8" |

### INSTALLATION INSTRUCTIONS

- Select degree of opening and use dimensions shown in above chart to mark four holes on door for closer and two holes on frame for arm shoe.
- Drill pilot holes in door and frame for #14 all-purpose screws or drill and tap for 1/4-20 machine screws.
- Mount closer on door with SPEED REGULATING VALVES TOWARD HINGE EDGE.
- Place main arm on shaft on top of closer at proper index mark as illustrated. FOR RIGHT HAND DOOR No. 4 (Illustration "A"), FOR LEFT HAND DOOR No. 1 (Illustration "B"). Tighten arm screw with lockwasher securely.
- Attach the arm shoe of the forearm to the frame.
- Adjust length of forearm so when it is attached to main arm it will be at a right angle (90°) to door when door is closed and assemble at elbow then tighten locknut.

### ADJUSTMENT INSTRUCTIONS

**SPRING POWER** — is controlled by the Hex Socket Spring Adjustment Screw. Power is now set at "0" turns.  
To INCREASE, use a 5/32" Allen Key and turn CLOCKWISE  
"full" 360° turns as per the Spring Power/Door Size Chart above.

**SPEED** — Door closing speed is controlled by Regulating Valve No. 1. CLOCKWISE turns slow closing speed. COUNTERCLOCKWISE turns increase closing speed.

**LATCHING** — Latching action is controlled by Regulating Valve No. 2. CLOCKWISE turns slow latch speed. COUNTERCLOCKWISE turns increase latch speed.

**BACK-CHECK** — Model 8051 is controlled by the Back-Check Adjustment Valve marked BC on the closer.

Back-Check is now set for a soft action.  
To INCREASE Back-Check action use a 5/32" Allen Key and turn valve CLOCKWISE.

**NOTE: Never close valve completely.**  
To DECREASE, or to TURN OFF Back-Check action use a 5/32" Allen Key and turn valve COUNTERCLOCKWISE.

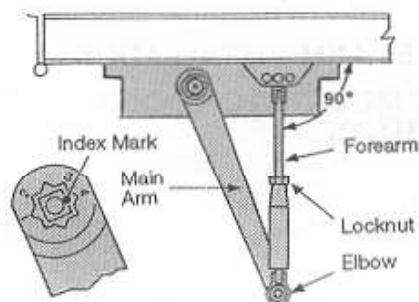
**DELAYED CLOSING ACTION** — Model 8052 is controlled by the the Delayed Closing Action Adjustment Valve marked DA on the closer.

To INCREASE Delayed Closing Action use a 5/32" Allen Key and turn valve CLOCKWISE.  
**NOTE: Never close valve completely.**  
To DECREASE Delayed Closing Action use a 5/32" Allen Key and turn valve COUNTERCLOCKWISE.

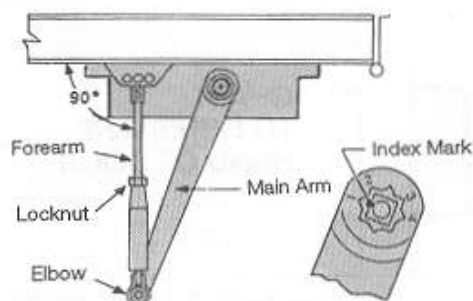
**POWER ARM SHOE** — is now set for average Power. If more Power is required, move Forearm from center hole in Arm Shoe to hole closest Main Arm. If less Power is required, move Forearm to hole farthest from Main Arm.

**PINION CAP** — Snap over shaft at bottom of closer.

### POSITION OF ARMS & INDEX SETTINGS



Right hand door, use index mark 4  
ILLUSTRATION "A"



Left hand door, use index mark 1  
ILLUSTRATION "B"

