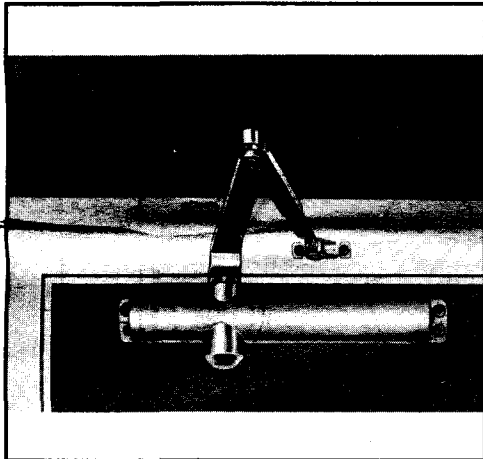


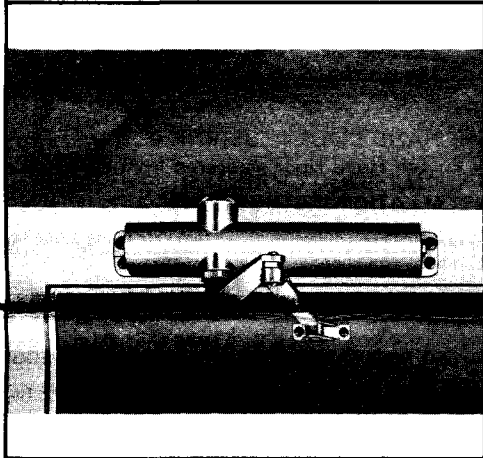
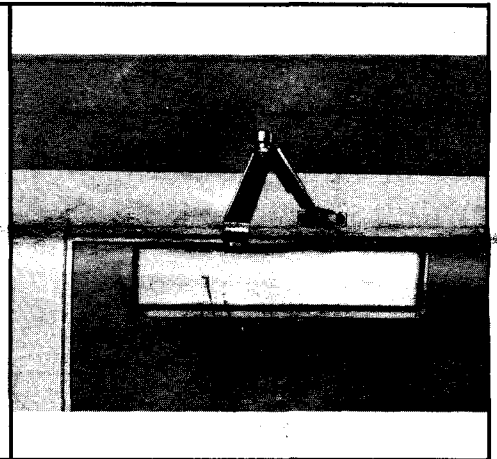
605600

Adjustable Closing Power
No Hold-Open
SURFACE MOUNTED
INSTALLATION INSTRUCTIONS



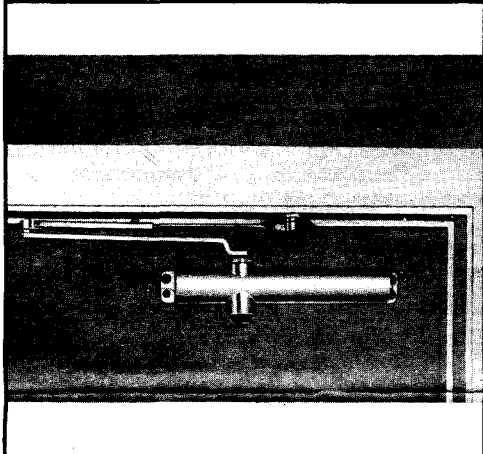
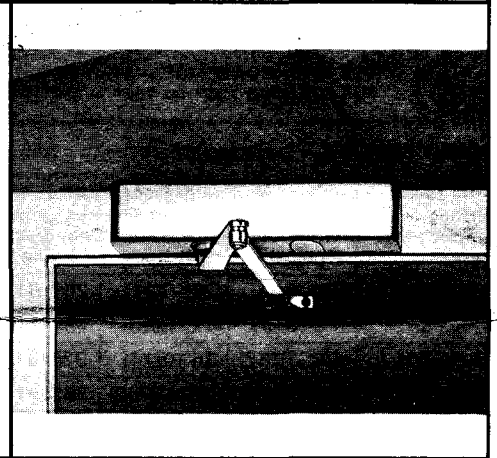
**STANDARD
INSTALLATION
COLSER MOUNTED ON
DOOR ON PULL SIDE**

PAGE 2



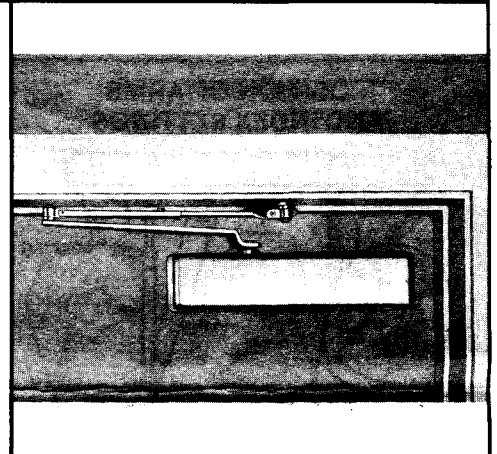
**TOP JAMB
INSTALLATION
CLOSER MOUNTED ON
TOP JAMB ON PUSH
SIDE OF DOOR**

PAGE 3

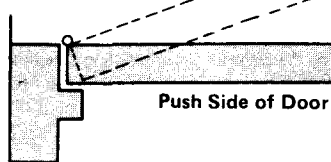


**PARALLEL
INSTALLATION
CLOSER MOUNTED ON
DOOR ON PUSH SIDE**

PAGE 4

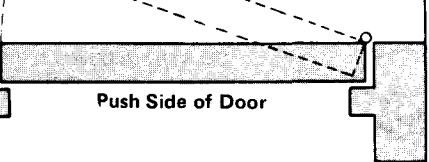


Pull Side of Door



THIS IS A LEFT HAND DOOR

Pull Side of Door



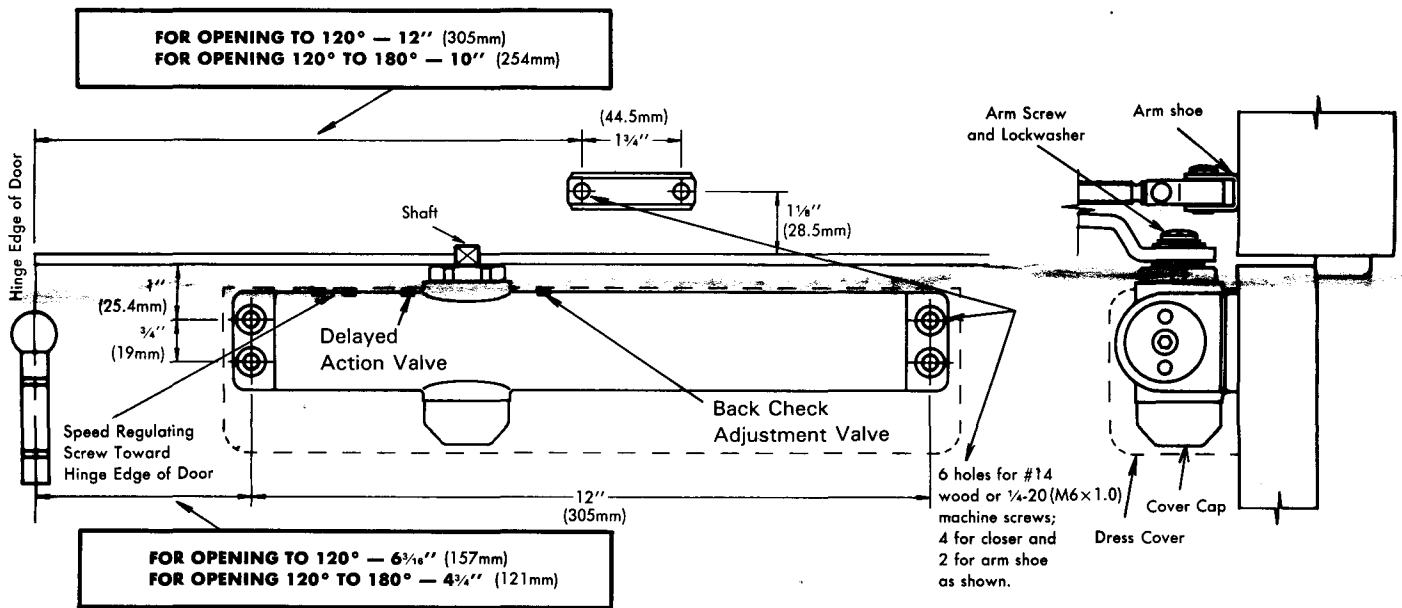
THIS IS A RIGHT HAND DOOR

CHART
TO DETERMINE
HAND OF DOOR

STANDARD INSTALLATION

CLOSER MOUNTED ON DOOR ON PULL SIDE

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180° OPENINGS.



SPRING TENSION — Door Size Chart

Full turns of Spring adjustment nut	Maximum Door Width		
	Interior Door Size	Exterior Door Size Swing out	Swing in
1	32'' (813)	28'' (711)	24'' (610)
3	36'' (914)	32'' (813)	28'' (711)
5	42'' (1067)	36'' (914)	32'' (813)
7	48'' (1219)	42'' (1067)	36'' (914)
9	54'' (1372)	48'' (1219)	42'' (1067)
11	Maximum Turns		

RIGHT HAND DOOR ILLUSTRATED

Same dimensions apply for Left Hand Door measured from the hinge edge.

INSTALLATION INSTRUCTIONS

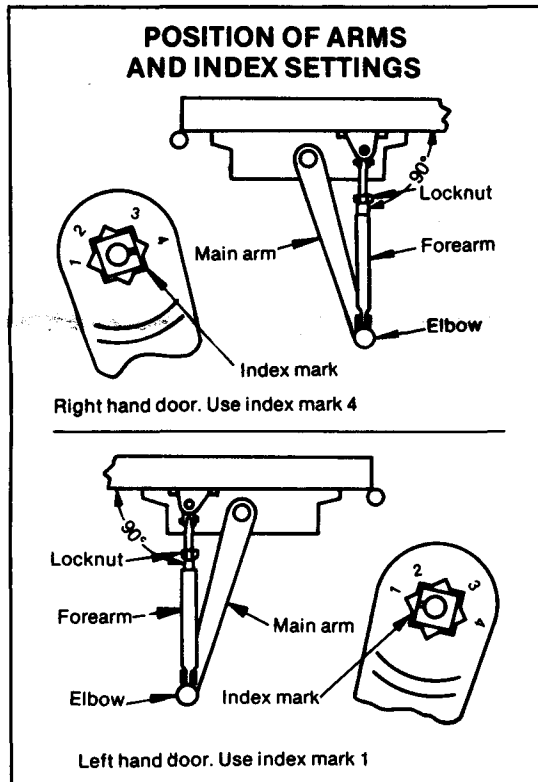
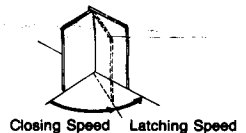
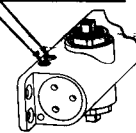
- Select degree of opening and use dimensions shown in above template to mark four holes on door for closer and two holes on frame for arm shoe.
- Drill pilot holes in door and frame for #14 wood screws or drill and tape for 1/4-20 (M6 x 1.0) machine screws.
- Mount closer on door WITH SPEED REGULATING SCREW 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

CLOSING POWER — As per "Spring Tension Chart" select the correct number of turns for spring adjustment nut that corresponds with the installation. Using 3/16" (5mm) allen key, turn adjustment nut full 360° clockwise turns to desired setting.

SPEED — Door closing and latching speeds are controlled by #1, #2 speed regulating screw separately. A. Clockwise turns slow the speed. B. Counterclockwise turns increase the speed.

Latching Speed Regulating Screw Closing Speed Regulating Screw



BACK-CHECK ADJUSTMENT — is controlled by the adjustment valve, BACK-CHECK is now set for soft action. To INCREASE Back-check action turn valve CLOCKWISE. To DECREASE, or to TURN OFF Backcheck action turn valve COUNTER CLOCKWISE.

DELAYED CLOSING ACTION — is controlled by the Delayed Closing Action Adjustment Valve marked DA on the closer. Delayed Closing Action is now turned off. To TURN ON, or to INCREASE Delayed Closing Action turn valve CLOCKWISE to desired delay time. To DECREASE, or to TRUN OFF Delayed Closing Action turn valve COUNTERLOCKWISE.

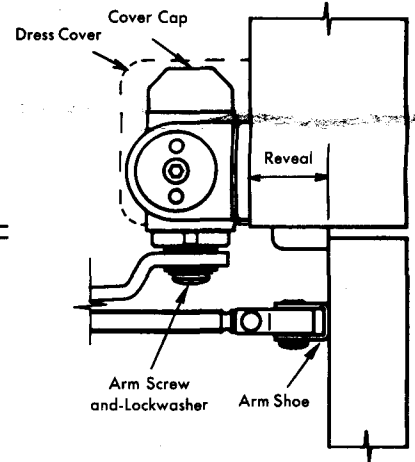
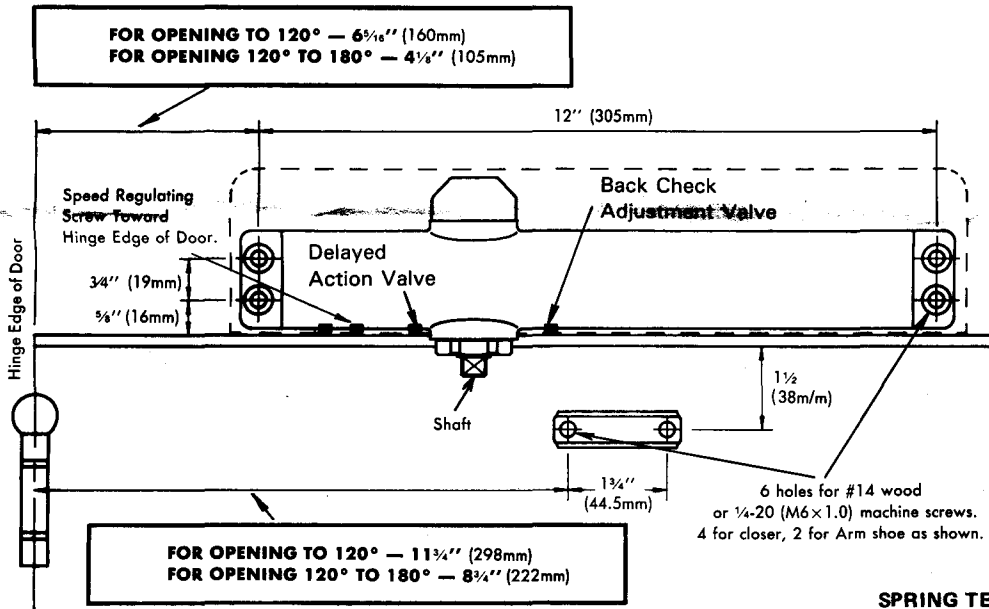
LATCHING POWER — has been set at factory for average conditions. If more latching power is required, move forearm from center hole in arm shoe to hole closest main arm. If less latching power is required, move forearm to hole farthest from main arm.

COVER — Cutout correct notch for shaft and place dress cover over closer. Attach with truss head machine screw provided, or push COVER CAP over shaft without DRESS COVER.

TOP JAMB INSTALLATION CLOSER MOUNTED ON TOP JAMB ON PUSH SIDE OF DOOR

THIS TEMPLATE COVERS REGULAR ARM INSTALLATIONS TO 180° OPENING

Reveals of 23/4" to 51/2" require "Top jamb" Forearm Extender Accessory and must be ordered extra.



LEFT HAND DOOR ILLUSTRATED

Same dimensions apply for Right Hand Door measured from the hinge edge.

INSTALLATION INSTRUCTIONS

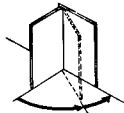
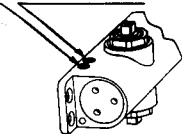
1. Select degree of opening and use dimensions shown in above template to mark four holes on frame ~~for closer and two holes on door for arm shoe.~~
2. Drill pilot holes in door and frame for #14 wood screws or drill and tap for 1/4-20(M6 x 1.0) machine screws.
3. Mount closer on frame WITH SPEED REGULATING SCREW TOWARD HINGE EDGE.
4. Place main arm on shaft on bottom of closer at proper index mark as illustrated. FOR LEFT HAND DOOR No. 1 (illustration "A"). FOR RIGHT HAND DOOR No. 4 (illustration "B"). Tighten arm screw with lockwasher securely.
5. Attach the arm shoe of the forearm to the door.
6. 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

CLOSING POWER — As per "Spring Tension Chart" select the correct number of turns for spring adjustment nut that corresponds with the installation. Using 3/16" (5mm) allen key, turn adjustment nut full 360° clockwise turns to desired setting.

SPEED — Door closing and latching speeds are controlled by #1, #2 speed regulating screw separately.
A. Clockwise turns slow the speed. B. Counterclockwise turns increase the speed.

Latching Speed Regulating Screw Closing Speed Regulating Screw



Closing Speed Latching Speed

BACK-CHECK ADJUSTMENT — is controlled by the adjustment valve, BACK-CHECK is now set for soft action. To INCREASE Back-check action turn valve CLOCKWISE. To DECREASE, or to TURN OFF Backcheck action turn valve COUNTER CLOCKWISE.

DELAYED CLOSING ACTION — is controlled by the Delayed Closing Action Adjustment Valve marked DA on the closer. Delayed Closing Action is now truned off. To TURN ON, or to INCREASE Delayed Closing Action turn valve CLOCKWISE to desired delay time. To DECREASE, or to TRUN OFF Delayed Closing Action turn valve COUNTERLOCKWISE.

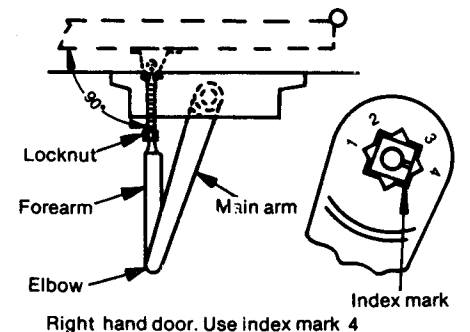
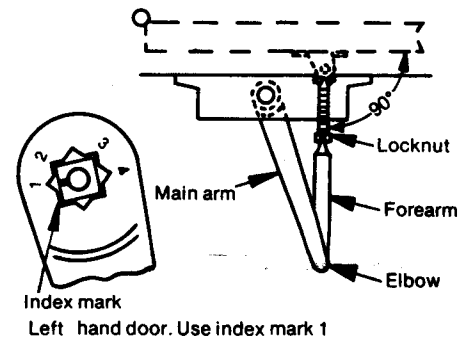
LATCHING POWER — has been set at factory for average conditions. If more latching power is required, move forearm from center hole in arm shoe to hole closest main arm. If less latching power is required, move forearm to hole farthest from main arm.

COVER — Cutout correct notch for shaft and place dress cover over closer. Attach with truss head machine screw provided, or push COVER CAP over shaft without DRESS COVER.

SPRING TENSION — Door Size Chart

Full turns of Spring adjustment nut	Maximum Door Width		
	Interior Door Size	Exterior Door Size Swing out	Swing in
1	32''(813)	28''(711)	24''(610)
3	36''(914)	32''(813)	28''(711)
5	42''(1067)	36''(914)	32''(813)
7	48''(1219)	42''(1067)	36''(914)
9	54''(1372)	48''(1219)	42''(1067)
11	Maximum Turns		

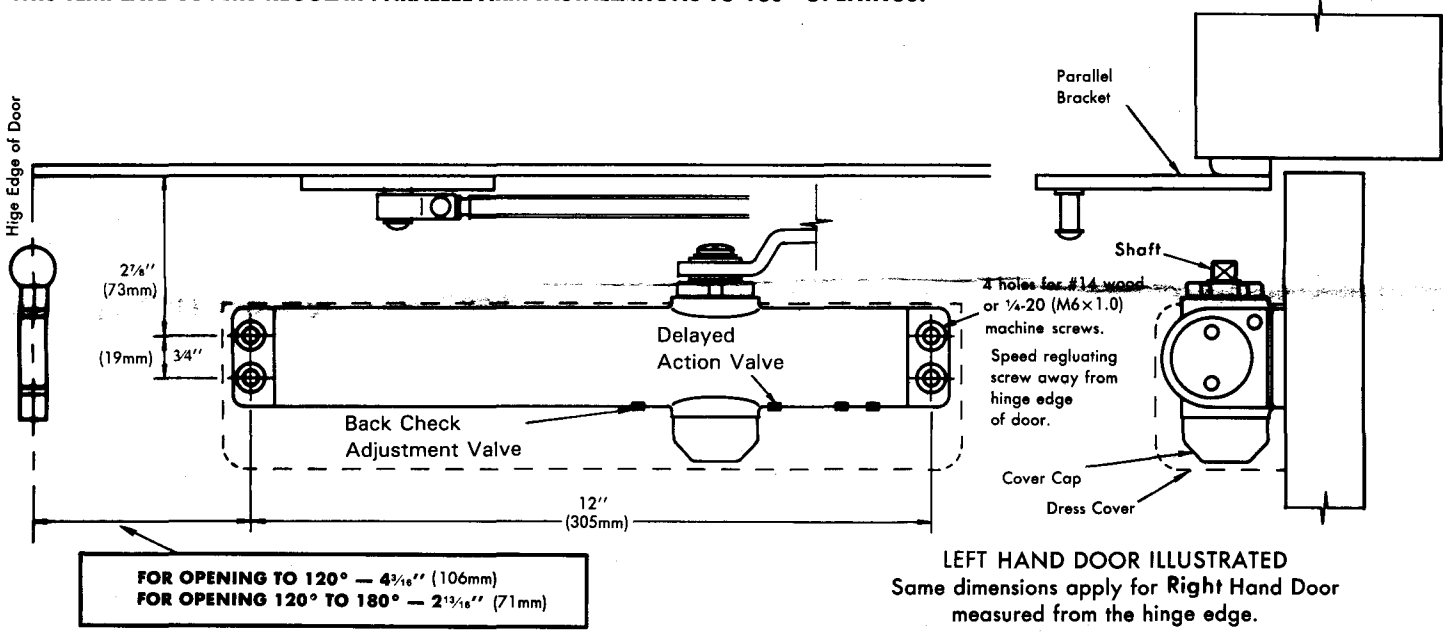
POSITION OF ARMS AND INDEX SETTINGS



PARALLEL ARM INSTALLATION

CLOSER MOUNTED ON DOOR ON PUSH SIDE

THIS TEMPLATE COVERS REGULAR PARALLEL ARM INSTALLATIONS TO 180° OPENINGS.

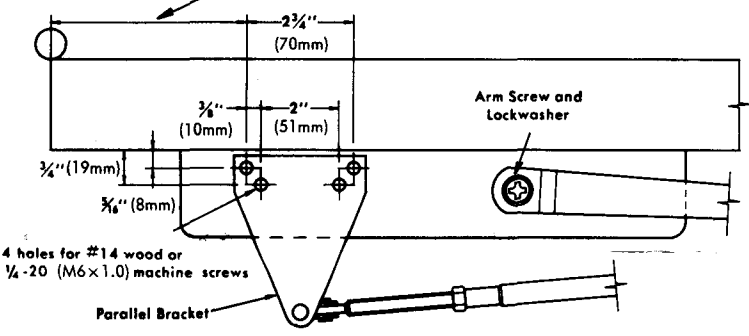


LEFT HAND DOOR ILLUSTRATED
 Same dimensions apply for Right Hand Door measured from the hinge edge.

SPRING TENSION — Door Size Chart

Full turns of Spring adjustment nut	Maximum Door Width		
	Interior Door Size	Exterior Door Size Swing out	Swing in
2	32" (813)	28" (711)	24" (610)
4	36" (914)	32" (813)	28" (711)
6	42" (1067)	36" (914)	32" (813)
8	48" (1219)	42" (1067)	36" (914)
10	54" (1372)	48" (1219)	42" (1067)
11	Maximum Turns		

FOR OPENING TO 120° - 9" (229 mm)
FOR OPENING 120° TO 180° — 7 3/8" (194 mm)



INSTALLATION INSTRUCTIONS

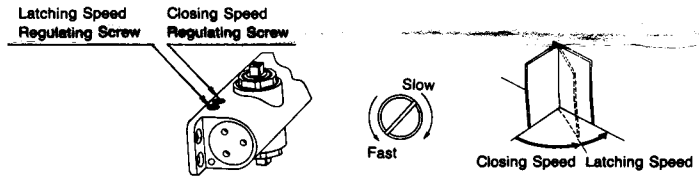
- Select degree of opening and use dimensions shown in above template to mark four holes on door for closer and two holes on frame for parallel bracket.
- Drill pilot holes in door and frame for #14 wood screws or drill and tape for 1/4-20 (M6 x 1.0) machine screws.
- Mount closer on door WITH SPEED REGULATING SCREW AWAY FROM HINGE EDGE.
- Attach parallel bracket to door stop as illustrated.
- Using a wrench on the square shaft on bottom of closer, rotate shaft approximately 45° toward hinge edge of door. Hold and place main arm on shaft on top of closer at proper index mark as illustrated. FOR LEFT HAND DOOR No. 3 (illustration "A"). FOR RIGHT HAND DOOR No. 2 (illustration "B"). Tighten arm screw with lockwasher securely.
- Remove the arm shoe from the forearm (arm shoe is not used in this application) and place forearm on parallel bracket stud and tighten screw securely.
- Adjust length of forearm so when it is attached to main arm, the main arm will be slightly away from parallel with closed door, and assemble at elbow then tighten locknut.

ADJUSTMENT INSTRUCTIONS

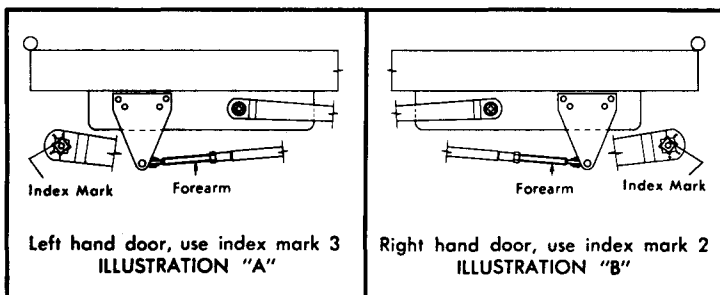
CLOSING POWER — As per "Spring Tension Chart" select the correct number of turns for spring adjustment nut that corresponds with the installation. Using 3/16" (5mm) allen key, turn adjustment nut full 360° clockwise turns to desired setting.

SPEED — Door closing and latching speeds are controlled by #1, #2 speed regulating screw separately.

A. Clockwise turns slow the speed. B. Counterclockwise turns increase the speed.



POSITION OF ARMS AND INDEX SETTINGS



BACK-CHECK ADJUSTMENT — is controlled by the adjustment valve, BACK-CHECK is now set for soft action. To INCREASE Back-check action turn valve CLOCKWISE. To DECREASE, or to TURN OFF Backcheck action turn valve COUNTER CLOCKWISE.

DELAYED CLOSING ACTION — is controlled by the Delayed Closing Action Adjustment Valve marked DA on the closer. Delayed Closing Action is now truned off. To TURN ON, or to INCREASE Delayed Closing Action turn valve CLOCKWISE to desired delay time. To DECREASE, or to TRUN OFF Delayed Closing Action turn valve COUNTERLOCKWISE.

DRESS COVER — Cutout correct notch for shaft and place dress cover over closer. Attach with truss head machine screw provided, or push COVER CAP over shaft without DRESS COVER.