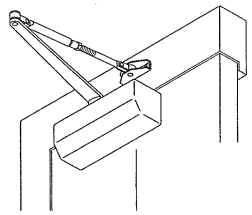
RYOBI DOOR CLOSER

D-4550 SERIES INSTALLATION INSTRUCTIONS

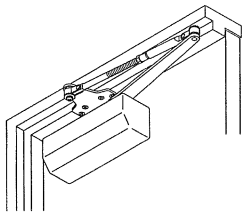
Select proper application from illustrations below.
Then follow installation instructions on given page.

STANDARD APPLICATION



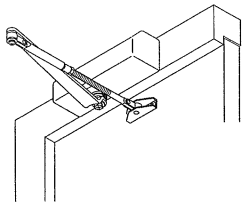
CLOSER MOUNTED ON HINGE SIDE OF DOOR USE PAGE2

PARALLEL ARM APPLICATION



CLOSER MOUNTED ON STOP SIDE OF DOOR USE PAGE3

TOP JAMB APPLICATION



CLOSER MOUNTED ON FRAME ON STOP SIDE OF DOOR USE PAGE4

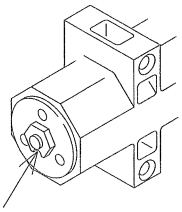
ADJUSTING SPRING POWER ACCORDING TO CHART (FOR STANDARD,PARALLEL ARM,TOP JAMB)

ADJUST SPRING POWER FOR DOOR WEIGHT AND WIDTH AS INDIC ATED IN CHART.
TO INCREASE CLOSING POWER, TURN SPRING ADJUSTING NUT CLOCKWISE.
MAXIMUM ADJUSTMENT IS APPROXIMATELY 21 TURNS.

ADJUSTING SPRING POWER ACCORDING TO CHART

Closer Size	Max Door Width (mm)	Max Door Weight(kg)	Turns Spring Adjusting Nut: STANDARD from Preset	STANDARD from Min	PARALLEL ARM from Preset	PARALLEL ARM from Min	TOP JAMB from Preset	TOP JAMB from Min
1	750	20	−5	+3	−6	+2	−4	+4
2	850	40	−3	+5	−4	+4	−2	+6
3 *	950	60	0	+8	0	+8	0	+8
4	1100	80	+2	+10	+4	+12	+3	+11
5	1250	100	+7	+15	+9	+17	+7	+15
6	1400	120	+11	+19	− − −	− − −	+12	+20
Max Door Opening			180°		180°		180°	

*FACTORY PRESET TO SIZE3



SPRING ADJUSTING NUT

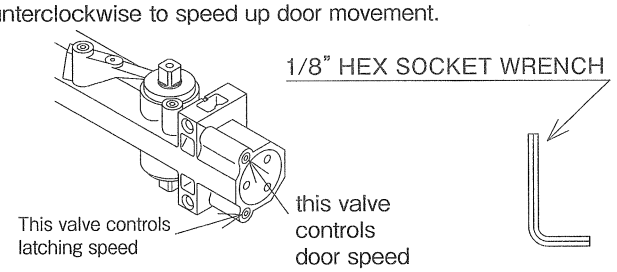
PERIODIC MAINTENANCE

NONE REQUIRED OTHER THAN TO CHECK SECURITY OF FIXINGS ON A REGULAR BASIS.

Final adjustment and regulating procedures

Regulating door speed and latching speed

Turn socket screw clockwise to slow down or counterclockwise to speed up door movement.

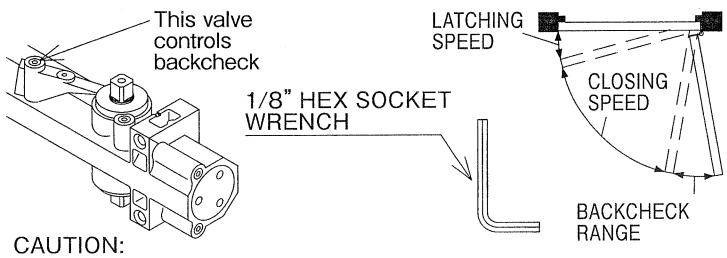


CAUTION:
Take care when adjusting valve to ensure that they are not wound counterclockwise too far as this could disengage them and allow fluid to be lost.

Regulating backcheck

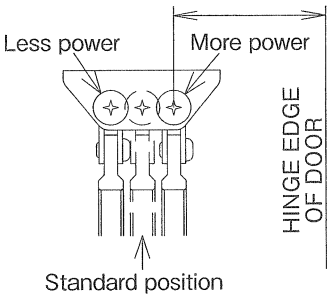
The intensity of backcheck action is regulated by valve shown.
Turn clockwise to increase or counterclockwise to decrease backcheck.

CAUTION:
Set valve for a slight cushioning effect.
It is damaging to the closer if the checking action is too abrupt.
Backcheck should never be used in lieu of a door stop.



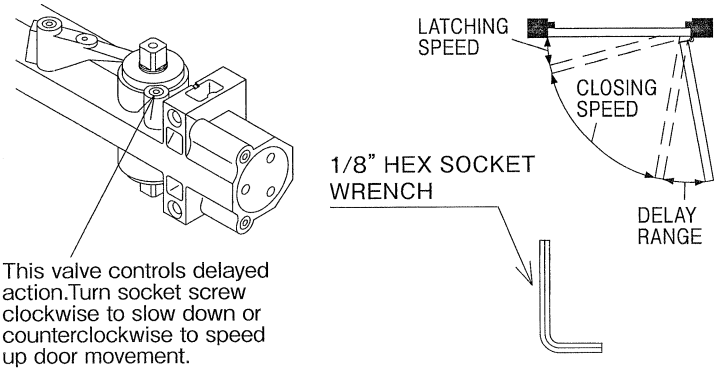
CAUTION:
Take care when adjusting valve to ensure it is not wound counterclockwise too far as this could disengage it and allow fluid to be lost.

Adjusting foot for additional closing power



For models having "Delayed action"

"Delayed action" is obtained by opening door into the delay range,as shown.Upon release, the door travels slowly through the delay range then continues at regular speed in the closing and latching speed range until closed. The closing speed range is approximately 70° .



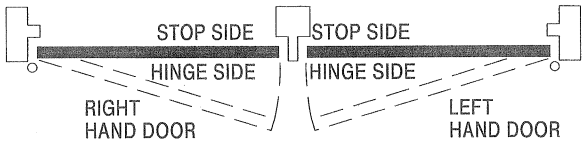
CAUTION:
Take care when adjusting valve to ensure it is not wound counterclockwise too far as this could disengage it and allow fluid to be lost.

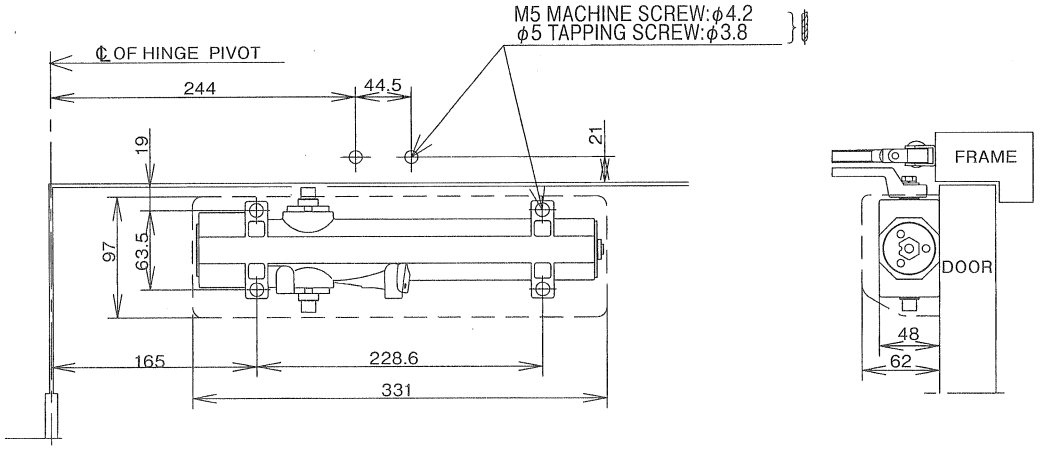
INSTALLATION INSTRUCTIONS

STANDARD APPLICATION

CLOSER MOUNTED ON HINGE SIDE OF DOOR

Right hand door illustrated.
Same dimensions apply for left hand door-measured from hinge ℄.





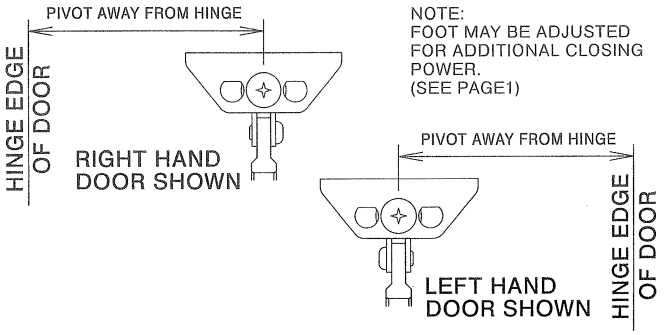
A

1.Mark location of attaching screws on door and frame as shown above. Drill sizes to be used as shown.

2.Attach closer to door with short end of closer facing toward hinge.

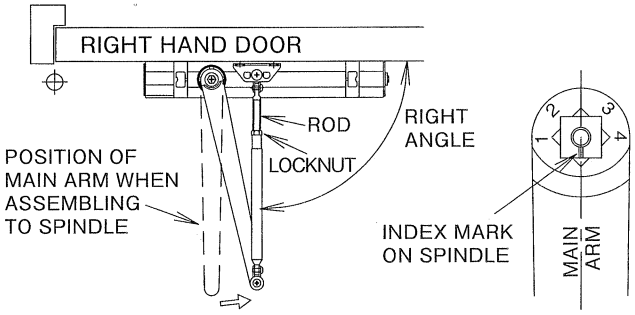
B

Attach foot to frame with pivot away from hinge as illustrated below.



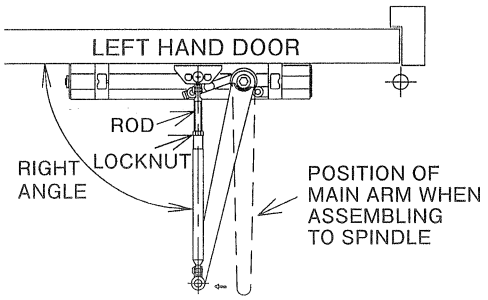
C

Assemble main arm to closer with index mark on spindle aligned with axis of arm as illustrated below. Attach arm with washer and screw. Tighten securely using spanner provided.



D

Tighten locknut securely when rod is at right angle to door.
See illustration below.



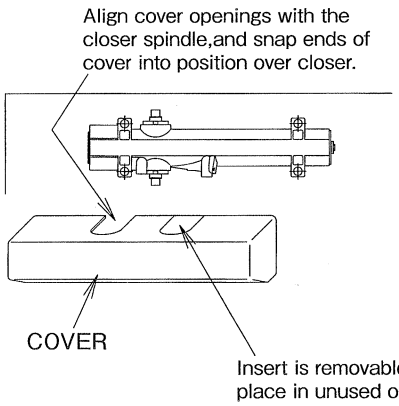
Secure main arm to frame arm at elbow eith screw and tighten.

E

Adjust and regulate door closer as directed on page1 for speed,latching action,backcheck,and delayed action.

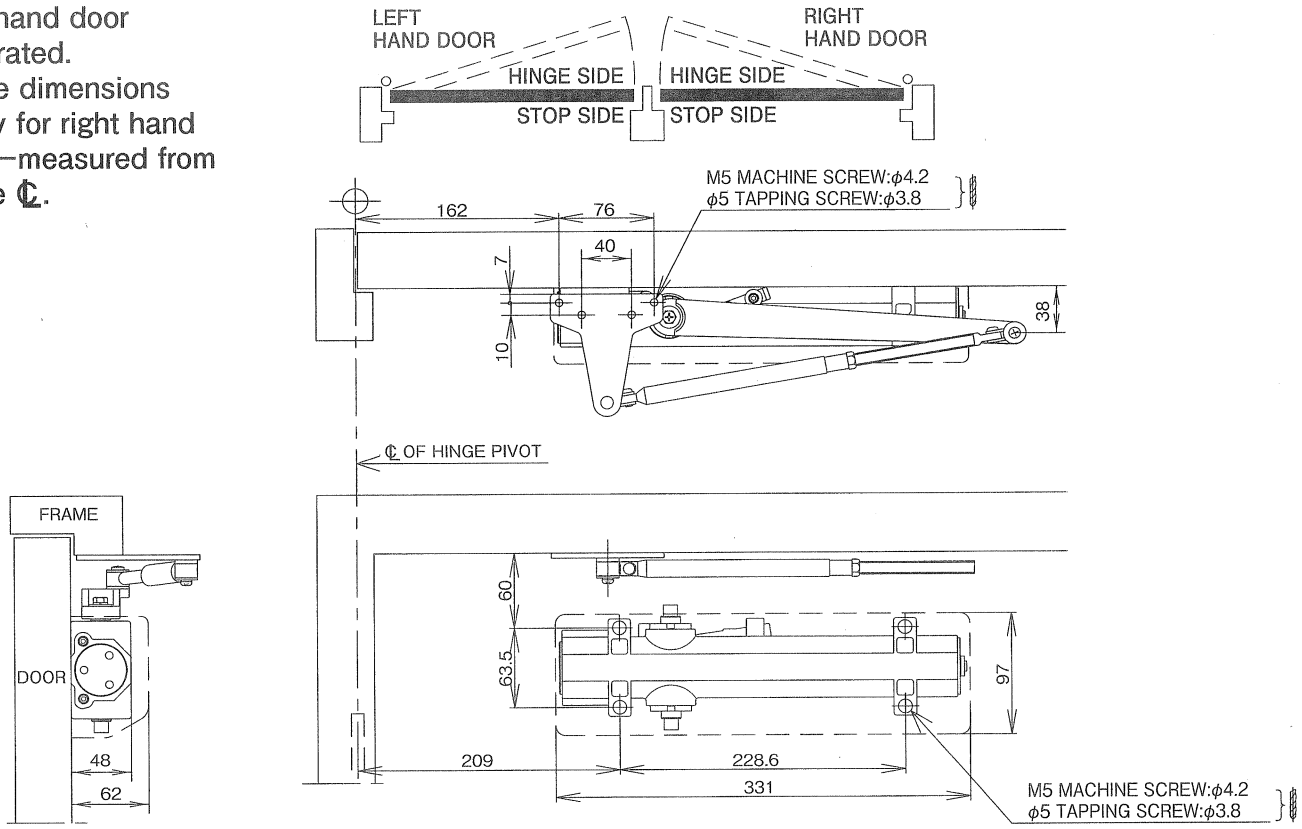
F

Install cover as follows:



PARALLEL ARM APPLICATION

Left hand door illustrated.
Same dimensions apply for right hand door—measured from hinge ℄.

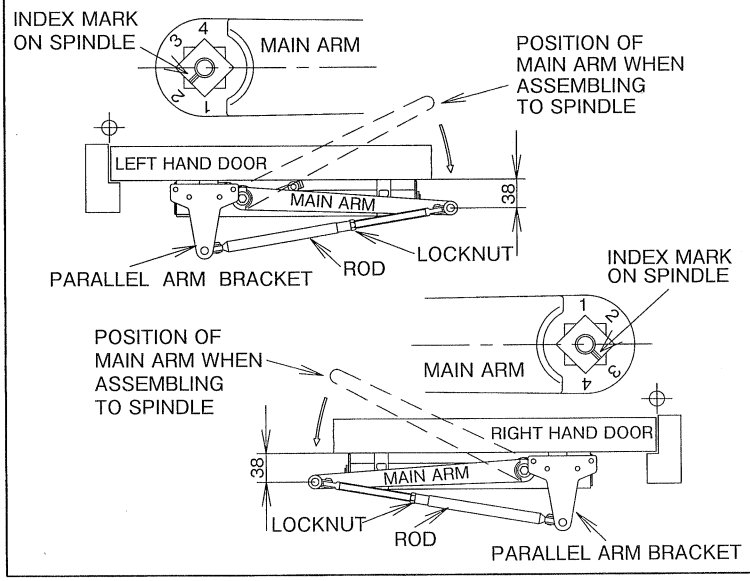


A

1. Mark location of attaching screws on door and frame as shown above. Drill sizes to be used as shown.
2. Attach closer to door and parallel arm bracket to frame(Short end of closer toward hinge).

B

Assemble main arm to closer with index mark on end of spindle 45° from axis of arm,as illustrated below,using a wrench on the bottom spindle to rotate spindle into position. Attach arm to spindle with washer and screw.



C

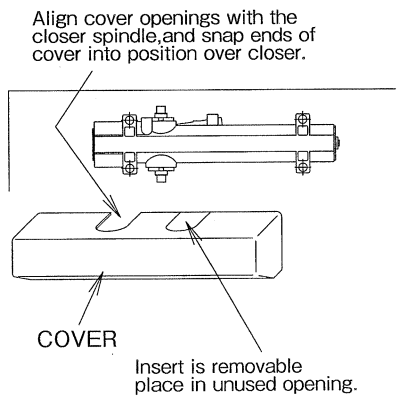
Parallel arm bracket for parallel arm application remove foot bracket and replace with parallel arm bracket using screw and washer provided.

D

Adjust and regulate door closer as directed at page1 for speed,latching action,backcheck,and delayed action.

E

Install cover as follows:

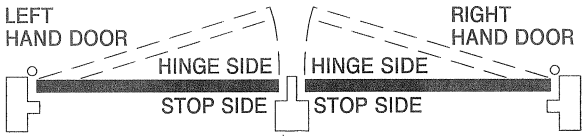


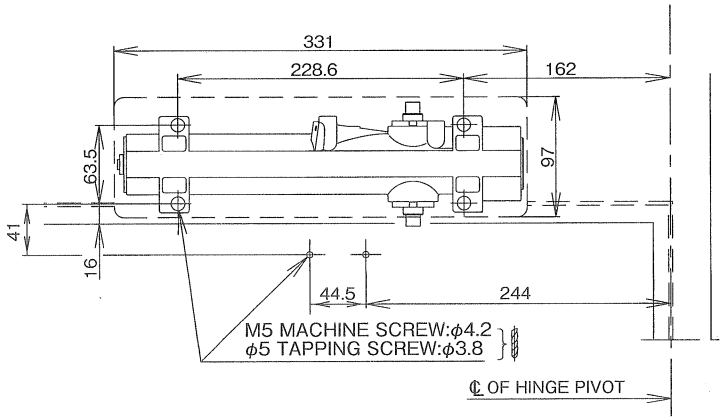
INSTALLATION INSTRUCTIONS

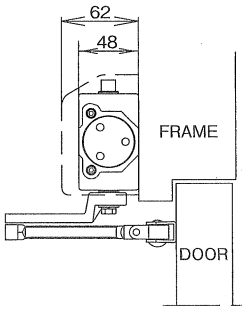
TOP JAMB APPLICATION

CLOSER MOUNTED ON FRAME ON STOP SIDE OF DOOR

Right hand door illustrated. Same dimensions apply for left hand door—measured from hinge ℄.





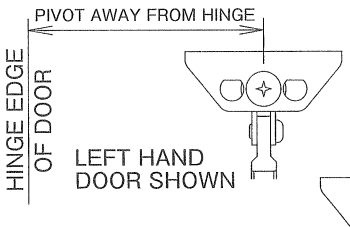


A

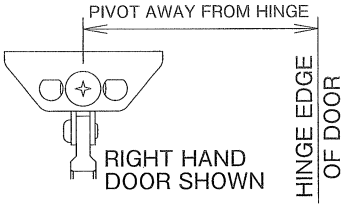
1. Mark location of attaching screws on door and frame as shown above. Drill sizes to be used as shown.
2. Attach closer to frame with short end of closer facing toward hinge.

B

Attach foot to door with pivot away from hinge as illustrated below.

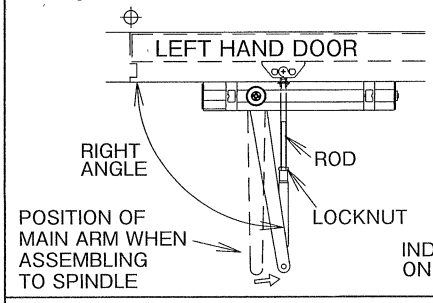


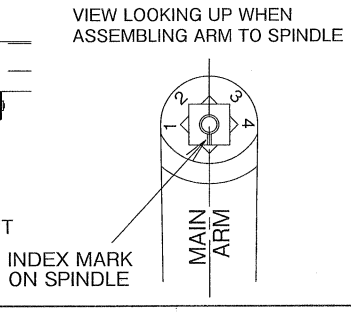
NOTE:
FOOT MAY BE ADJUSTED FOR ADDITIONAL CLOSING POWER.
(SEE PAGE1)



C

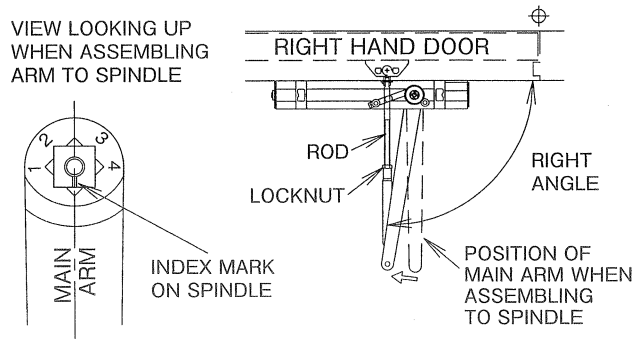
Assemble main arm to closer with index mark on spindle aligned with axis of arm as illustrated below. Attach arm with washer and screw. Tighten securely using spanner provided.





D

Tighten locknut securely when rod is at right angle to frame. See illustration below.

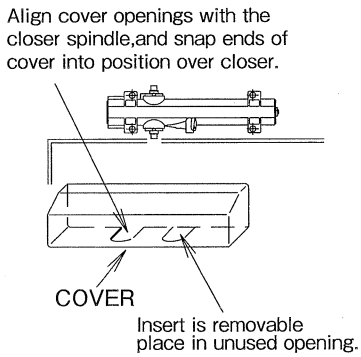


E

Adjust and regulate door closer as directed at page1 for speed,latching action,backcheck,and delayed action.

F

Install cover as follows:



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