

INSTALLATION INSTRUCTIONS

TRACK RAIL APPLICATION

CLOSER MOUNTED ON PULL SIDE OF DOOR WITH TRACK RAIL ON FRAME

RIGHT HAND DOOR ILLUSTRATED. SAME DIMENSIONS APPLY FOR LEFT HAND DOOR — MEASURED FROM HINGE ϵ .

RIGHT HAND DOOR

PUSH SIDE

PULL SIDE

LEFT HAND DOOR

HOLD-OPEN DEVICE

HOLD-OPEN ANGLE

1	2	3
108°	87°	81°

ϵ OF HINGE PIVOT

21-1/32"

20-1/4"

2-# 12-24 MACHINE SCREW, #12 TAPPING SCREW OR ϕ 4.8 SELF DRILLING TAPPING SCREW

1-3/4"

2-5/16"

11-1/8"

11-15/16"

4-# 12-24 MACHINE SCREW, #12 TAPPING SCREW OR ϕ 4.8 SELF DRILLING TAPPING SCREW

FRAME

DOOR

INSTALLATION INSTRUCTIONS

HEAVY DUTY PARALLEL ARM APPLICATION

CLOSER MOUNTED ON PUSH SIDE OF DOOR

LEFT HAND DOOR ILLUSTRATED. SAME DIMENSIONS APPLY FOR RIGHT HAND DOOR — MEASURED FROM HINGE ϵ .

LEFT HAND DOOR

PULL SIDE

PUSH SIDE

RIGHT HAND DOOR

PULL SIDE

PUSH SIDE

4-1/4-20 L=1-1/2" COMBINATION MACHINE TAPPING SCREW OR ϕ 6 SELF DRILLING TAPPING SCREW

3-3/8"

5/16"

11/16"

2-3/8"

3-3/16"

2-1/8"

1/4-20 L=1-1/2" MACHINE SCREW, 1/4" L=2" TAPPING SCREW OR ϕ 6 SELF DRILLING TAPPING SCREW

ϵ OF HINGE PIVOT

11-1/8"

2-11/16"

4-# 12-24 L=5/8" MACHINE SCREW, #12 L=1-1/2" TAPPING SCREW OR ϕ 4.8 SELF DRILLING TAPPING SCREW

DIMENSION	HOLD-OPEN ANGLE FOR HOLD-OPEN MODELS	STOP ANGLE FOR WITH STOP MODELS	MAX. OPENING ANGLE FOR WITHOUT STOP MODELS
A	B		
11-1/8"	4-3/8"	85°	85°
10-1/2"	3-3/4"	90°	90°
9-3/8"	2-5/8"	100°	100°
8-1/4"	1-1/2"	110°	110°

*NOTE: A SUPPLEMENTAL DOOR STOP IS ALWAYS RECOMMENDED FOR INSTALLATIONS NOT INCORPORATING A STOP IN THE CLOSER ARM. DAMAGE TO THE DOOR, FRAME AND CLOSER MAY OCCUR UNLESS STOP IS USED.

A

B

C

ASSEMBLE MAIN ARM TO CLOSER 45° AWAY FROM DOOR AS ILLUSTRATED BELOW. ATTACH ARM WITH WASHER AND SCREW. ATTACH CLOSER TO DOOR WITH SHORT END OF CLOSER FACING TOWARD HINGE.

INSERT SLIDER OF ARM INSIDE TRACK RAIL AS ILLUSTRATED BELOW.

ASSEMBLE END CAPS ON BOTH ENDS OF TRACK RAIL. ATTACH TRACK RAIL ON FRAME WITH SCREW.

A

B

C

D

E

1. MARK LOCATIONS OF ATTACHING SCREWS ON DOOR AND FRAME AS SHOWN ABOVE.

2. ATTACH CLOSER TO DOOR AND PARALLEL BRACKET TO FRAME (LONG END OF CLOSER TOWARD HINGE).

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.

INDEX MARK ON SPINDLE

LEFT HAND DOOR

MAIN ARM

PARALLEL BRACKET

RIGHT HAND DOOR

MAIN ARM

PARALLEL BRACKET

INDEX MARK ON SPINDLE

MOUNT CLOSER ON DOOR AND MOUNT PARALLEL BRACKET TO FRAME STOP AS PER TEMPLATE.

ADJUST AND REGULATE DOOR CLOSER AS DIRECTED ON PAGE 1 FOR SPEED, LATCHING ACTION, BACKCHECK, AND DELAYED ACTION.

CAUTION: BACKCHECK IS ESSENTIAL TO PREVENT ARM FROM STRIKING ARM STOP WITH IMPACT.

INSTALL COVER AS FOLLOWS:

INSERT IS REMOVABLE PLACE IN UNUSED OPENING

COVER

ALIGN COVER OPENINGS WITH THE CLOSER SPINDLE, AND SNAP ENDS OF COVER INTO POSITION OVER CLOSER

FOR HOLD-OPEN ARM: A QUARTER TURN ON THE CONTROL HANDLE WILL ENGAGE OR DISENGAGE THE HOLD-OPEN FUNCTION.

RYOBI DOOR CLOSER

D-3550 AND D-3551 INSTALLATION INSTRUCTIONS

SELECT PROPER APPLICATION FROM ILLUSTRATIONS BELOW. THEN FOLLOW INSTALLATION INSTRUCTIONS ON GIVEN PAGE.

STANDARD APPLICATION

PARALLEL ARM APPLICATION

TOP JAMB APPLICATION

TRACK RAIL APPLICATION

CLOSER MOUNTED ON PULL SIDE OF DOOR

USE PAGE 2

CLOSER MOUNTED ON PUSH SIDE OF DOOR

USE PAGE 3

USE PAGE 6 (EDA)

CLOSER MOUNTED ON FRAME ON PUSH SIDE OF DOOR

USE PAGE 4

CLOSER MOUNTED ON PULL SIDE OF DOOR WITH TRACK-RAIL ON FRAME

USE PAGE 5

ADJUST SPRING POWER ACCORDING TO CHART (FOR STANDARD, PARALLEL ARM, AND TOP JAMB APPLICATIONS)

REFER TO PAGE 6 FOR TRACK RAIL APPLICATION

Closer size	Max. Door Width		Turns of Spring Adjusting Nut				Closing force (N=30°)
	Exterior	Interior	D-3550		D-3551		
			from Preset	from Minimum	from Preset	from Minimum	
1	Less than 2' 6"	2' 6"	-3	0	-3	0	9.5
2	2' 6"	2' 8"	-1	2	-1	2	14.7
3	2' 8"	3' 2"	2	5	2	5	23.2
4	3' 0"	3' 6"	4	7	4	7	40.7
5	3' 2"	4' 0"	6	9	6	9	50.9
6	4' 0"	5' 0"	8	10	8	10	69.0

FINAL ADJUSTMENT AND REGULATING PROCEDURES

REGULATING DOOR SPEED AND LATCHING SPEED

TURN SOCKET SCREW CLOCKWISE TO SLOW DOWN — OR COUNTER-CLOCKWISE TO SPEED UP DOOR MOVEMENT.

THIS VALVE CONTROLS DOOR SPEED

THIS VALVE CONTROLS LATCHING SPEED

1/8" HEX SOCKET WRENCH

ADJUSTING FOOT FOR ADDITIONAL CLOSING POWER

LESS POWER

MORE POWER

HINGE EDGE OF DOOR

STANDARD POSITION

REGULATING BACKCHECK

THE INTENSITY OF BACKCHECK ACTION IS REGULATED BY VALVE SHOWN. TURN CLOCKWISE TO INCREASE — OR COUNTERCLOCKWISE TO DECREASE CHECKING.

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.

THIS VALVE CONTROLS BACKCHECK

1/8" HEX SOCKET WRENCH

FOR MODELS HAVING "DELAYED ACTION"

"DELAYED ACTION" IS OBTAINED BY OPENING DOOR INTO THE DELAYING RANGE, AS SHOWN. UPON RELEASE, THE DOOR TRAVELS SLOWLY THRU THE DELAYING RANGE THEN CONTINUES AT REGULAR SPEED IN THE NORMAL RELEASE RANGE UNTIL CLOSED. THE NORMAL RELEASE RANGE IS APPROXIMATELY 70°

1/8" HEX SOCKET WRENCH

THIS VALVE CONTROLS DELAYED ACTION. TURN SOCKET SCREW CLOCKWISE TO SLOW DOWN OR COUNTER-CLOCKWISE TO SPEED UP DOOR MOVEMENT.

NORMAL RELEASE RANGE

DOOR

DELAYING RANGE

ADJUST SPRING POWER ACCORDING TO CHART FOR TRACK RAIL APPLICATION

Closer size	Max. Door Width		Turns of Spring Adjusting Nut	
	Exterior	Interior	from Preset	from Minimum
1	less than 2' 6"	2' 8"	-3 Turns	0
2	2' 6"	2' 8"	0	+3 Turns
3	2' 6"	3' 2"	+6 Turns	+9 Turns

■ D-3550T: Identical closer can be used as Standard, Parallel Arm, and Top Jamb Application. Spring power is adjustable as indicated in chart.

INSTALLATION INSTRUCTIONS

STANDARD APPLICATION

CLOSER MOUNTED ON PULL SIDE OF DOOR

RIGHT HAND DOOR ILLUSTRATED. SAME DIMENSIONS APPLY FOR LEFT HAND DOOR — MEASURED FROM HINGE $\odot$.

DIMENSION	120"	180"
A	11-5/8"	9-5/8"
B	6-1/2"	4-1/2"

2-#12-24 MACHINE SCREW, #12 TAPPING SCREW OR #6 SELF DRILLING TAPPING SCREW

4-#12-24 MACHINE SCREW, #12 TAPPING SCREW OR #4.8 SELF DRILLING TAPPING SCREW

1. MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME AS SHOWN ABOVE.

2. ATTACH CLOSER TO DOOR WITH SHORT END OF CLOSER FACING TOWARD HINGE.

ATTACH FOOT TO FRAME WITH PIVOT AWAY FROM HINGE AS ILLUSTRATED BELOW.

NOTE: FOOT MAY BE ADJUSTED FOR ADDITIONAL CLOSING POWER. (SEE PAGE 1).

ASSEMBLE MAIN ARM TO CLOSER WITH INDEX MARK ON SPINDLE ALIGNED WITH AXIS OF ARM AS ILLUSTRATED BELOW. ATTACH ARM WITH WASHER AND SCREW.

INSTALL COVER, AS FOLLOWS:

PAGE 2

INSTALLATION INSTRUCTIONS

PARALLEL ARM APPLICATION

CLOSER MOUNTED ON STOP SIDE OF DOOR

LEFT HAND DOOR ILLUSTRATED. SAME DIMENSIONS APPLY FOR RIGHT HAND DOOR — MEASURED FROM HINGE $\odot$.

DIMENSION	120"	180"
A	9"	6-3/8"
B	5"	2-3/8"

4-#12-24 MACHINE SCREW, #12 TAPPING SCREW OR #6 SELF DRILLING TAPPING SCREW

1. MARK LOCATIONS OF ATTACHING SCREWS ON DOOR AND FRAME AS SHOWN ABOVE.

2. ATTACH CLOSER TO DOOR AND PARALLEL BRACKET TO FRAME (LONG END OF CLOSER TOWARD HINGE).

IF FOOT ASSEMBLY SHOWN ON PAGE 2 IS PACKED WITH CLOSER, CONVERT TO FOOT BRACKET ASSEMBLY SHOWN ABOVE AS FOLLOWS: REMOVE ROD ASSEMBLY FROM FOOT AND ATTACH ROD TO PARALLEL BRACKET USING WASHER AND SCREW SHOWN. TIGHTEN LOCKNUT SECURELY WHEN END OF MAIN ARM IS POSITIONED 1-1/2" AWAY FROM DOOR.

ADJUST AND REGULATE DOOR CLOSER AS DIRECTED AT PAGE 1.

INSTALL COVER AS FOLLOWS:

PAGE 3

INSTALLATION INSTRUCTIONS

TOP JAMB APPLICATION

CLOSER MOUNTED ON FRAME ON PUSH SIDE OF DOOR

RIGHT HAND DOOR ILLUSTRATED. SAME DIMENSIONS APPLY FOR LEFT HAND DOOR — MEASURED FROM HINGE $\odot$.

DIMENSION	120"	180"
A	6-1/2"	4-1/2"
B	11-5/8"	9-5/8"

4-#12-24 MACHINE SCREW, #12 TAPPING SCREW OR #4.8 SELF DRILLING TAPPING SCREW

2-#12-24 MACHINE SCREW, #12 TAPPING SCREW OR #6 SELF DRILLING TAPPING SCREW

1. MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME AS SHOWN ABOVE.

2. ATTACH CLOSER TO FRAME WITH SHORT END OF CLOSER FACING TOWARD HINGE.

ATTACH FOOT TO DOOR WITH PIVOT AWAY FROM HINGE AS ILLUSTRATED BELOW.

NOTE: FOOT MAY BE ADJUSTED FOR CLOSING POWER. (SEE PAGE 1.)

ASSEMBLE MAIN ARM TO CLOSER WITH INDEX MARK ON SPINDLE ALIGNED WITH AXIS OF ARM AS ILLUSTRATED BELOW. ATTACH ARM WITH WASHER AND SCREW.

INSTALL COVER AS FOLLOWS:

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