

# STANLEY, DOOR CLOSER

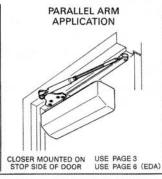
Security Solutions

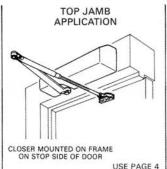
D-4550 AND D-4551 & INSTALLATION INSTRUCTIONS

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

# STANDARD APPLICATION CLOSER MOUNTED ON

HINGE SIDE OF DOOR





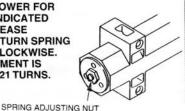


ADJUST SPRING POWER ACCORDING TO CHART (FOR STANDARD, PARALLEL ARM, AND TOP JAMB APPLICATIONS)

#### REFER PAGE 6 FOR TRACK RAIL APPLICATION

ADJUST SPRING POWER FOR DOOR WIDTH AS INDICATED IN CHART.TO INCREASE CLOSING POWER, TURN SPRING ADJUSTING NUT CLOCKWISE. MAXIMUM ADJUSTMENT IS APPROXIMATERY 21 TURNS.

USE PAGE 2



Closer	Max. Door Width		Turns of Spring Adjusting Nut			
			D-4550		D-4551	
	Exterior	Interior	from Preset	from Minimum	from Preset	from Minimum
1		Less than 2'-8"	- 8	0	- 2	0
2	Less than 2'-6"	2'-8"	- 5	3	1	3
3	2'-6"	3'-2"	- 3	5	6	8
4	3'-0"	3'-8"	0	8	14	16
5	3'-6"	4'-0"	3	11		
6	4'-0"	5'-0"	6	14		

FINAL ADJUSTMENT AND REGULATING PROCEDURES

DOOR SPEED

## REGULATING DOOR SPEED AND LATCHING SPEED

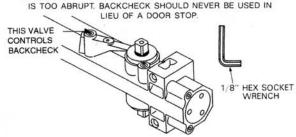
TURN SOCKET SCREW CLOCKWISE TO SLOW DOWN-OR COUNTER-CLOCKWISE TO SPEED UP DOOR MOVEMENT. 1/8" HEX SOCKET WRENCH THIS VALVE CONTROLS THIS VALVE CONTROLS

# ADJUSTING FOOT FOR ADDITIONAL CLOSING POWER LESS POWER MORE POWER HINGE EDGE OF STANDARD POSITION

# REGULATING BACKCHECK

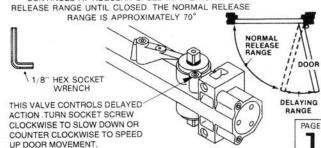
LATCHING SPEED

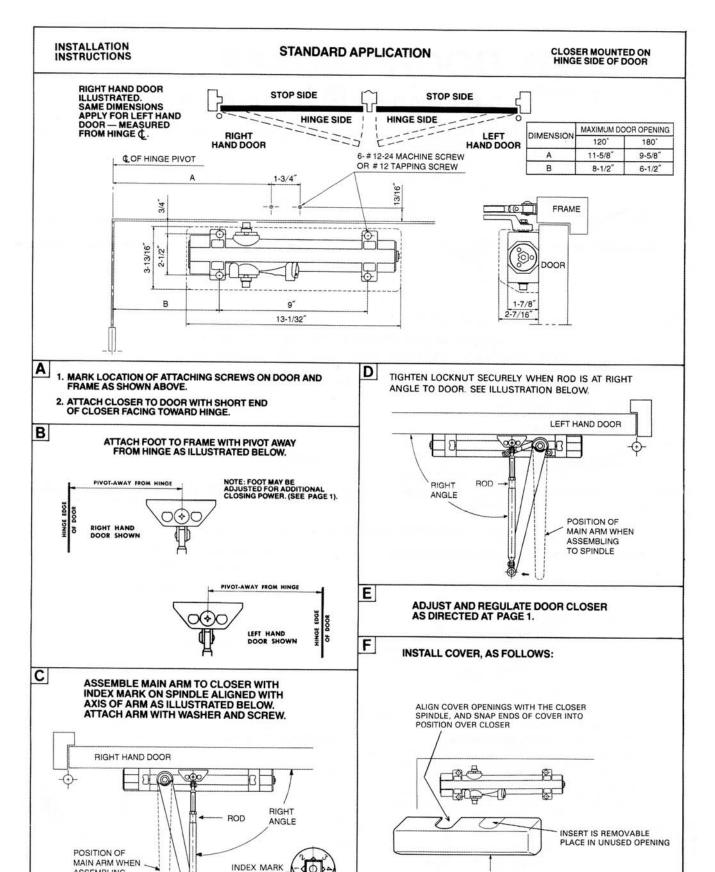
THE INTENSITY OF BACKCHECK ACTION IS REGULATED BY VALVE SHOWN. TURN CLOCKWISE TO INCREASE -- OR COUNTERCLOCKWISE TO DECREASE CHECKING. CAUTION: SET VALVE FOR A SLIGHT CUSHIONING EFFECT. IT IS DAMAGING TO THE CLOSER IF THE CHECKING ACTION IS TOO ABRUPT. BACKCHECK SHOULD NEVER BE USED IN



#### 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





COVER

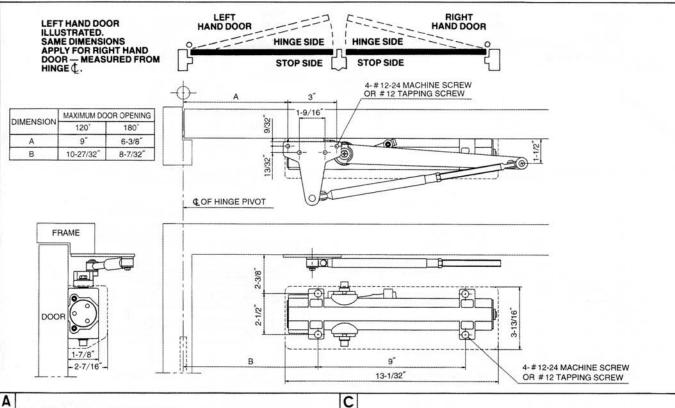
PAGE

ASSEMBLING

TO SPINDLE

ON SPINDLE

MAIN ARM

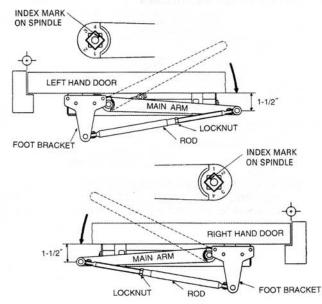


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- MARK LOCATIONS OF ATTACHING SCREWS ON DOOR AND FRAME AS SHOWN ABOVE.
  - 2. ATTACH CLOSER TO DOOR AND FOOT BRACKET TO FRAME (SHORT END OF CLOSER TOWARD HINGE).
- IF FOOT ASSEMBLY SHOWN ON PAGE 2 IS PACKED WITH CLOSER, CONVERT TO FOOT BRACKET ASSEMBLY SHOWN ABOVE AS FOL-LOWS: REMOVE ROD ASSEMBLY FROM FOOT AND ATTACH ROD TO FOOT BRACKET USING WASHER AND SCREW SHOWN. TIGHTEN LOCKNUT SECURELY WHEN END OF MAIN ARM IS POSITIONED 1-1/2 AWAY FROM DOOR.

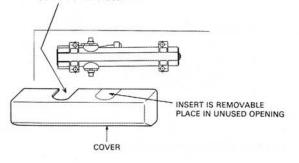
ASSEMBLE MAIN ARM TO CLOSER WITH INDEX MARK ON END OF SPINDLE 45° FROM AXIS OF ARM, AS ILLUSTRATED BELOW, USING A WRENCH ON THE BOTTOM SPINDLE TO ROTATE SPINDLE INTO POSITION. ATTACH ARM TO SPINDLE WITH WASHER AND SCREW.

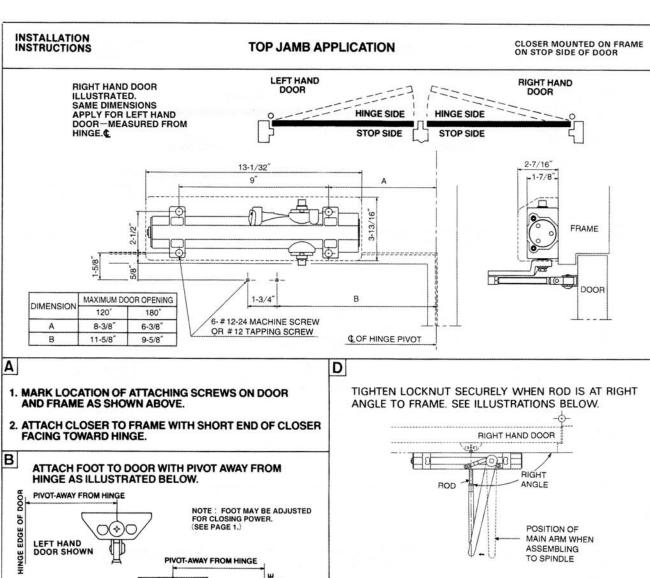


ADJUST AND REGULATE DOOR CLOSER AS DIRECTED AT PAGE 1.

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

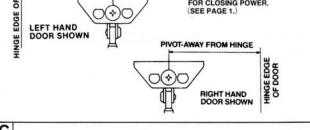
INSTALL COVER AS FOLLOWS:



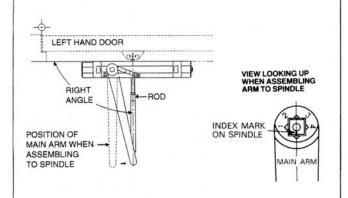


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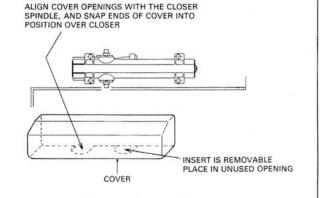


ASSEMBLE MAIN ARM TO CLOSER WITH INDEX MARK ON SPINDLE ALIGNED WITH AXIS OF ARM AS ILLUSTRATED BELOW. ATTACH ARM WITH WASHER AND SCREW.

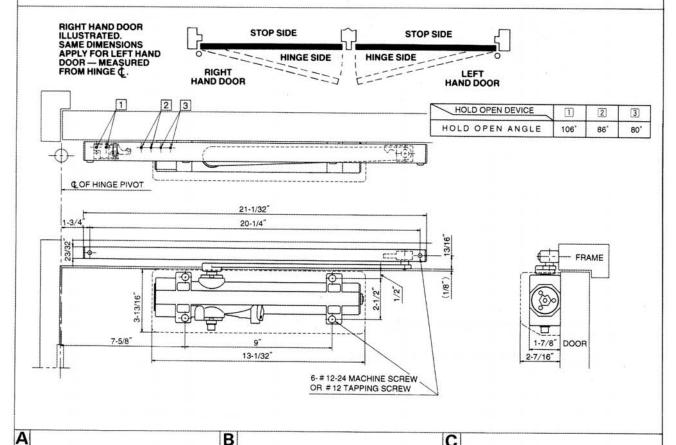


ADJUST AND REGULATE DOOR CLOSER AS DIRECTED AT PAGE 1.

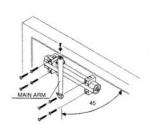
**INSTALL COVER AS FOLLOWS:** 



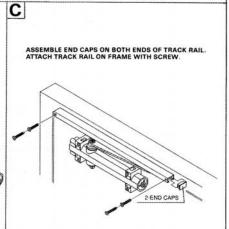




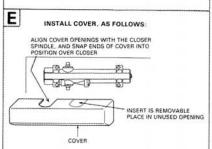
ASSEMBLE MAIN ARM TO CLOSER 45' AWAY FROM DOOR AS ILLUSTRATED BELOW. ATTACH ARM WITH WASHER AND SCREW.
ATTACH CLOSER TO DOOR WITH SHORT END OF CLOSER FACING TOWARD HINGE.



INSERT SLIDER OF ARM INSIDE TRACK RAIL AS ILLUSTRATED BELOW.



ADJUST AND REGULATE DOOR CLOSER AS DIRECTED AT PAGE 1.



# ADJUST SPRING POWER ACCORDING TO CHART FOR TRACK RAIL APPLICATION

Closer	Max. Do	Turns of Spring Adjusting Nut		
size	Exterior	Interior	from Preset	from Minimum
1		less than 2'-8"	-3 Turns	0
2	less than 2'-6"	2'-8"	0	+3 Turns
3	2'-6"	3'-2"	+4 Turns	+7 Turns
4	3'-0"	3'-8"	+12 Turns	+20 Turns

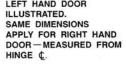
# D-4550T:Identical closer can be used as Standard, Parallel Arm, and Top Jamb Application. Spring power is adjustable, as indicated in chart.

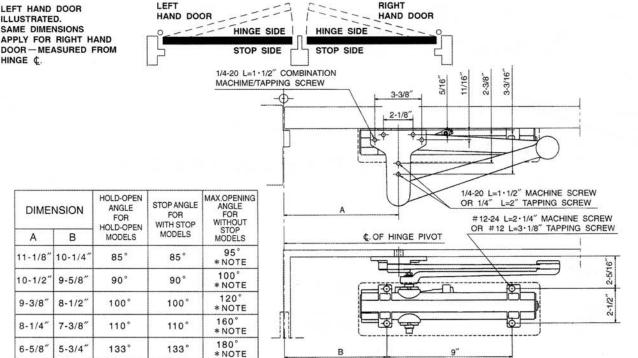


#### INSTALLATION INSTRUCTIONS

### HEAVY DUTY PARALLEL ARM APLLICATION

CLOSER MOUNTED ON STOP SIDE OF DOOR





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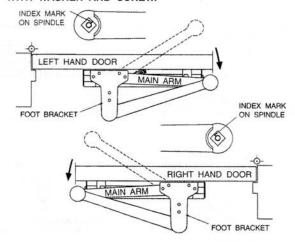
\*NOTE: A SUPPLEMENTAL DOOR STOP IS ALWAYS RECOMMENDED FOR INSTALLATIONS NOT INCORPORATING A STOP IN THE CLOSER ARM. DAMAGE TO THE DOOR, FRAME AND CLOSER MAY OCCUR IF NO STOP IS USED.

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

В

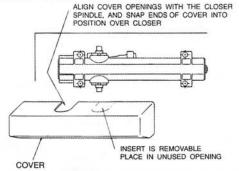
- 2. ATTACH CLOSER TO DOOR AND FOOT BARACKET TO FRAME (SHORT END OF CLOSER TOWARD HINGE).
- MOUNT CLOSER ON DOOR AND MOUNT PARALLEL BRACKET TO FRAME STOP AS PER TEMPLATE.

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.



- ADJUST AND REGULATE DOOR CLOSER AS DIRECTED ON PEGE 1 FOR SPEED, LATCHING ACTION, BACKCHECK, AND DELAYED ACTION.
  - CAUTION: BACKCHECK IS ESSENTIAL TO PREVENT ARM FROM STRIKING ARM STOP WITH IMPACT.





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