

RYOBI DOOR CLOSER

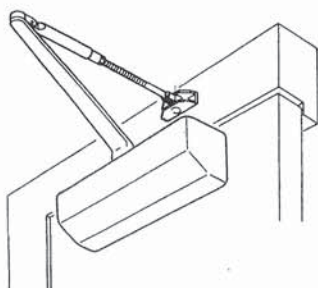
D-1500/D-1550 SERIES INSTALLATION INSTRUCTIONS

D-1503/D-1503BC/D-1553/D-1553BC

D-1504/D-1504BC/D-1554/D-1554BC

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

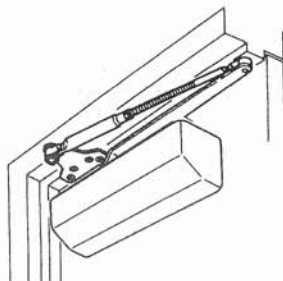
STANDARD APPLICATION



CLOSER MOUNTED ON HINGE SIDE OF DOOR

USE PAGE2

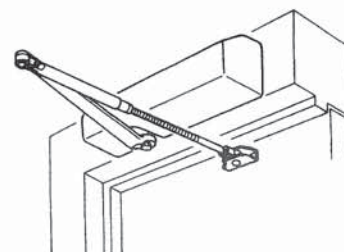
PARALLEL ARM APPLICATION



CLOSER MOUNTED ON STOP SIDE OF DOOR

USE PAGE3

TOP JAMB APPLICATION



CLOSER MOUNTED ON FRAME ON STOP SIDE OF DOOR

USE PAGE4

PERIODIC MAINTENANCE

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

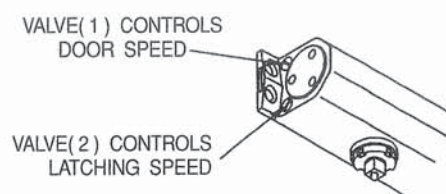
	STANDARD		PARALLEL ARM		TOP JAMB		
	Max. Door width (mm)	Max. Door weight (kg)	Max. Door width (mm)	Max. Door weight (kg)	Max. Door width (mm)	Max. Door weight (kg)	Max. Door Opening Angle
D-1503/D-1503BC/D-1553/D-1553BC	950	60	950	60	950	60	105°
D-1504/D-1504BC/D-1554/D-1554BC	1100	80	1100	80	1100	80	105°

If used in parallel arm or top jamb configurations on a fire door the next power size closer must be used i.e. for EN power size 3 use D-1504/D-1504BC/D-1554/D-1554BC

FINAL ADJUSTMENT AND REGULATING PROCEDURES

REGULATING DOOR SPEED AND LATCHING SPEED

TURN SPEED REGULATING SCREW CLOCKWISE TO SLOW DOWN OR COUNTERCLOCKWISE TO SPEED UP DOOR MOVEMENT.

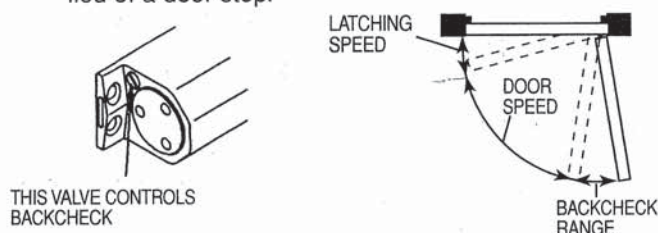


CAUTION: Take care when adjusting valves to ensure that they are not wound counterclockwise too far as this could disengage them and allow fluid to be lost.

REGULATING BACKCHECK

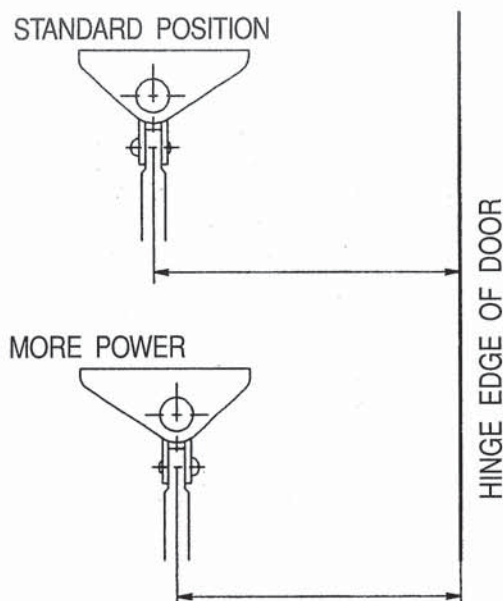
THE INTENSITY OF BACKCHECK ACTION IS REGULATED BY VALVE SHOWN. TURN CLOCKWISE TO INCREASE OR COUNTERCLOCKWISE TO DECREASE BACKCHECK.

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.

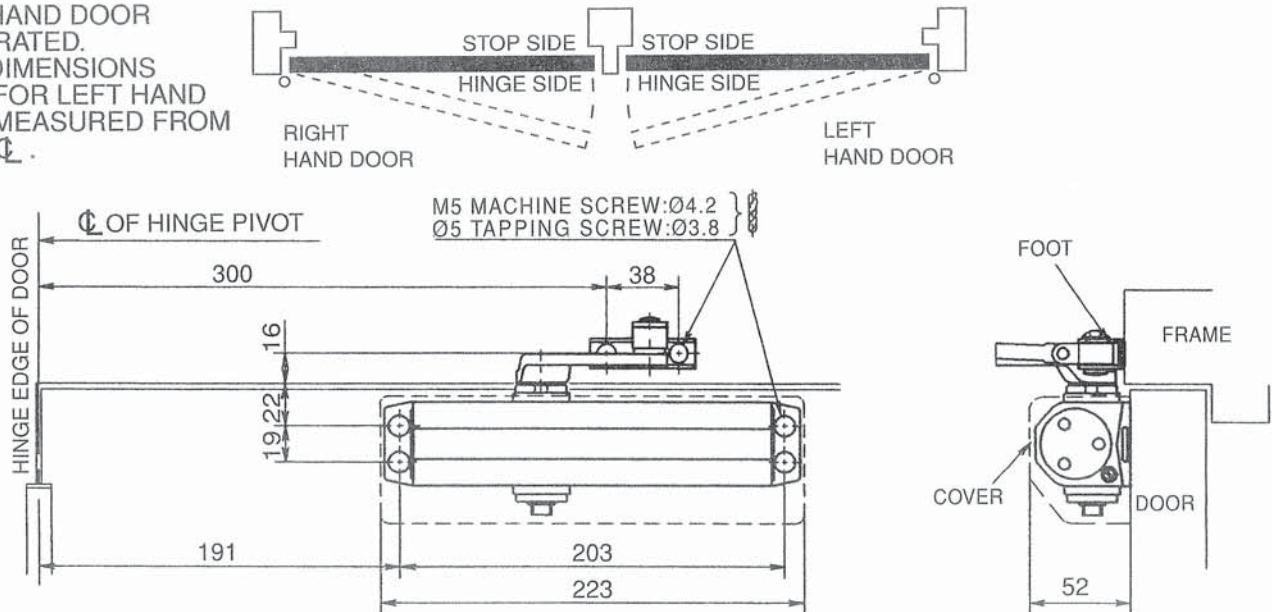


CAUTION: Take care when adjusting valve to ensure it is not wound counterclockwise too far as this could disengage it and allow fluid to be lost.

ADJUSTING FOOT FOR ADDITIONAL CLOSING POWER

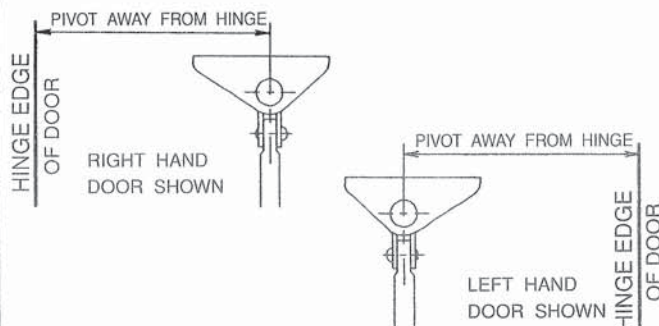


RIGHT HAND DOOR
ILLUSTRATED.
SAME DIMENSIONS
APPLY FOR LEFT HAND
DOOR-MEASURED FROM
HINGE CL.

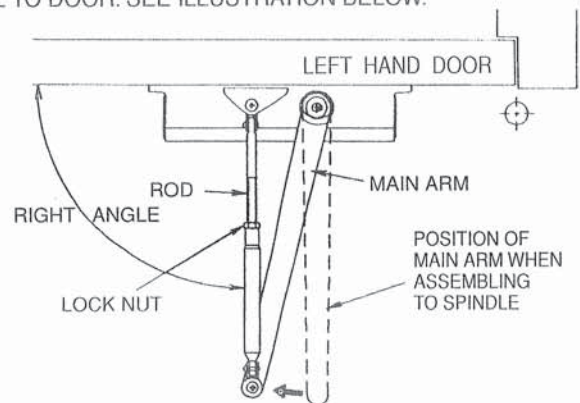


- A** 1. MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME AS SHOWN ABOVE. DRILL SIZES TO BE USED AS SHOWN.
2. ATTACH CLOSER TO DOOR WITH SHORT END OF CLOSER FACING TOWARD HINGE.

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



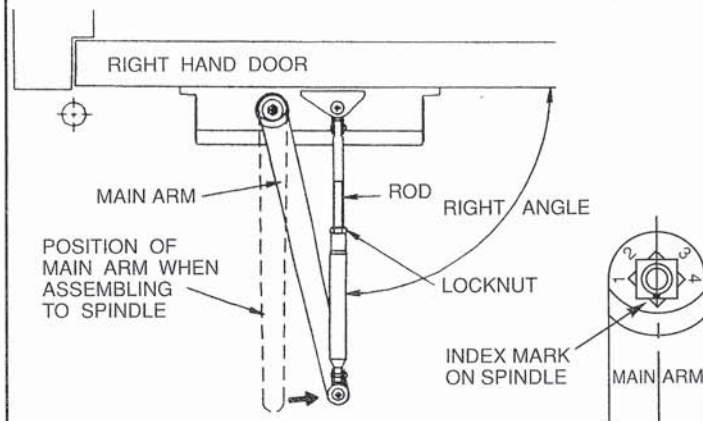
- D** TIGHTEN LOCKNUT SECURELY WHEN ROD IS AT RIGHT ANGLE TO DOOR. SEE ILLUSTRATION BELOW.



SECURE MAIN ARM TO FRAME ARM AT ELBOW WITH SCREW AND TIGHTEN.

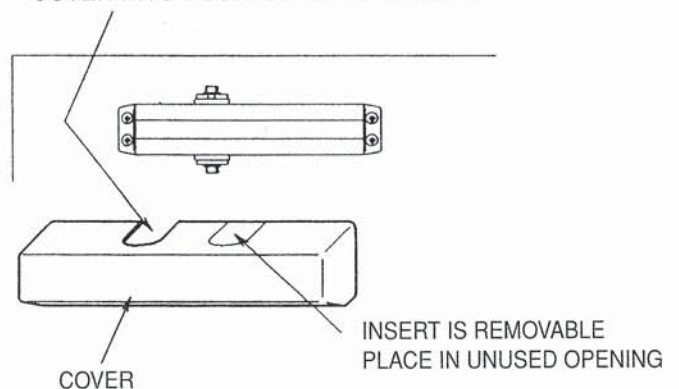
- E** ADJUST AND REGULATE DOOR CLOSER AS DIRECTED ON PAGE 1 FOR SPEED AND BACKCHECK.

- 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.

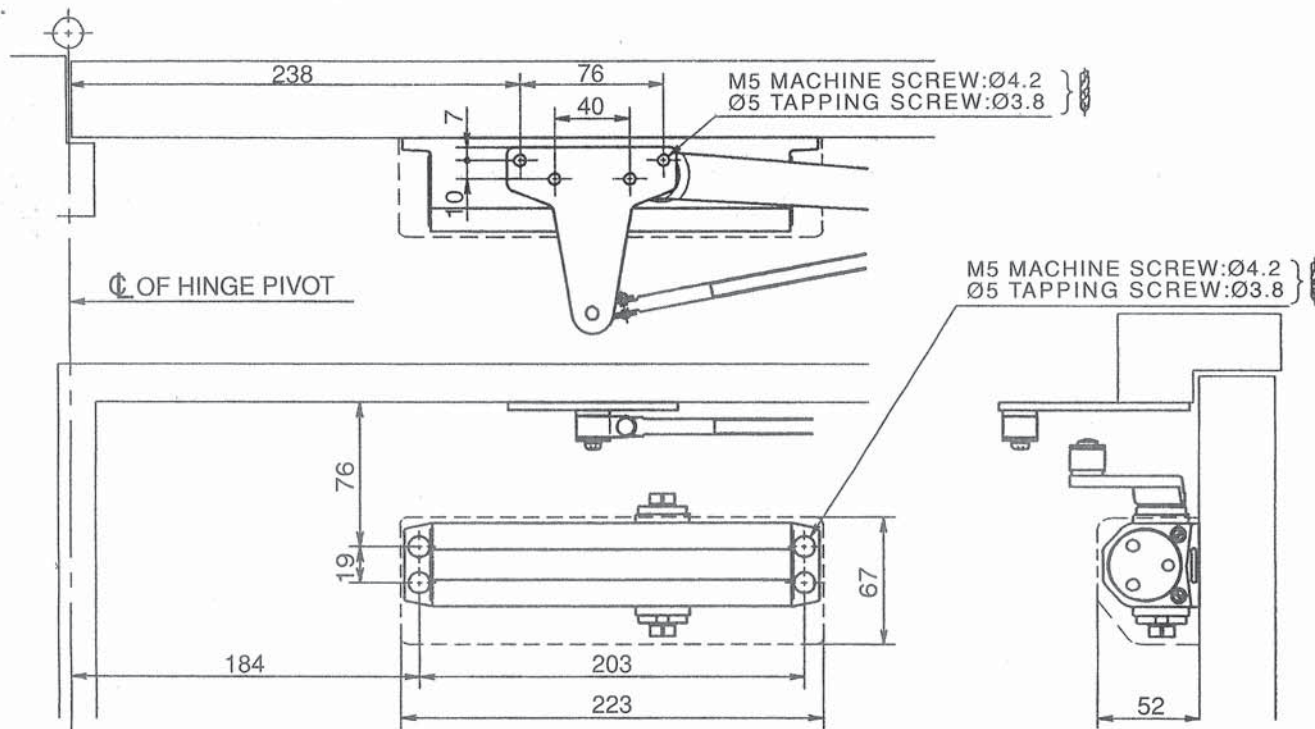


- F** INSTALL COVER AS FOLLOWS
(Applicable to D-1550 Series only)

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



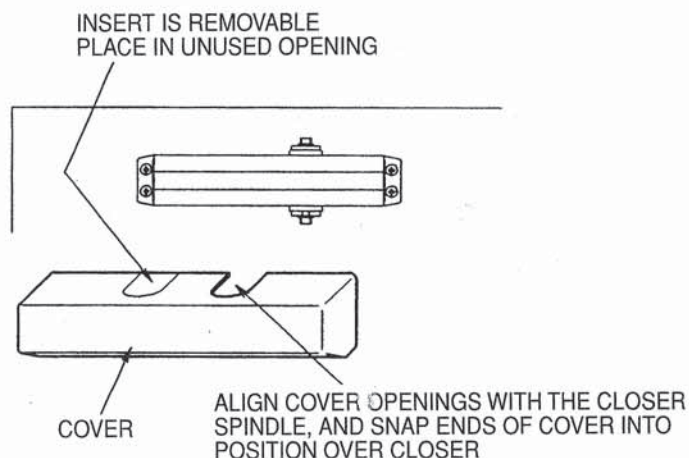
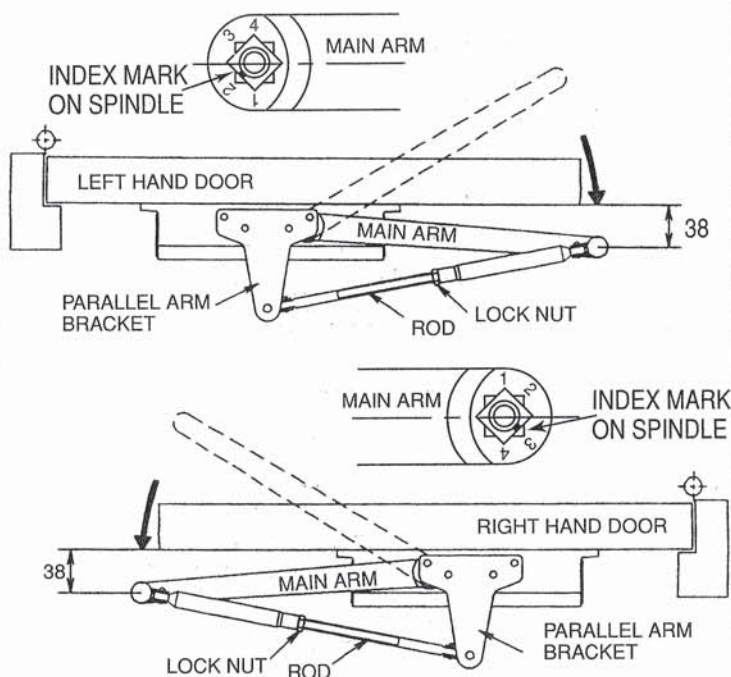
CLOSER MOUNTED ON
STOP SIDE OF DOOR



- C** PARALLEL ARM BRACKET
FOR PARALLEL ARM APPLICATION REMOVE FOOT BRACKET
AND REPLACE WITH PARALLEL ARM BRACKET USING SCREW
AND WASHER PROVIDED.

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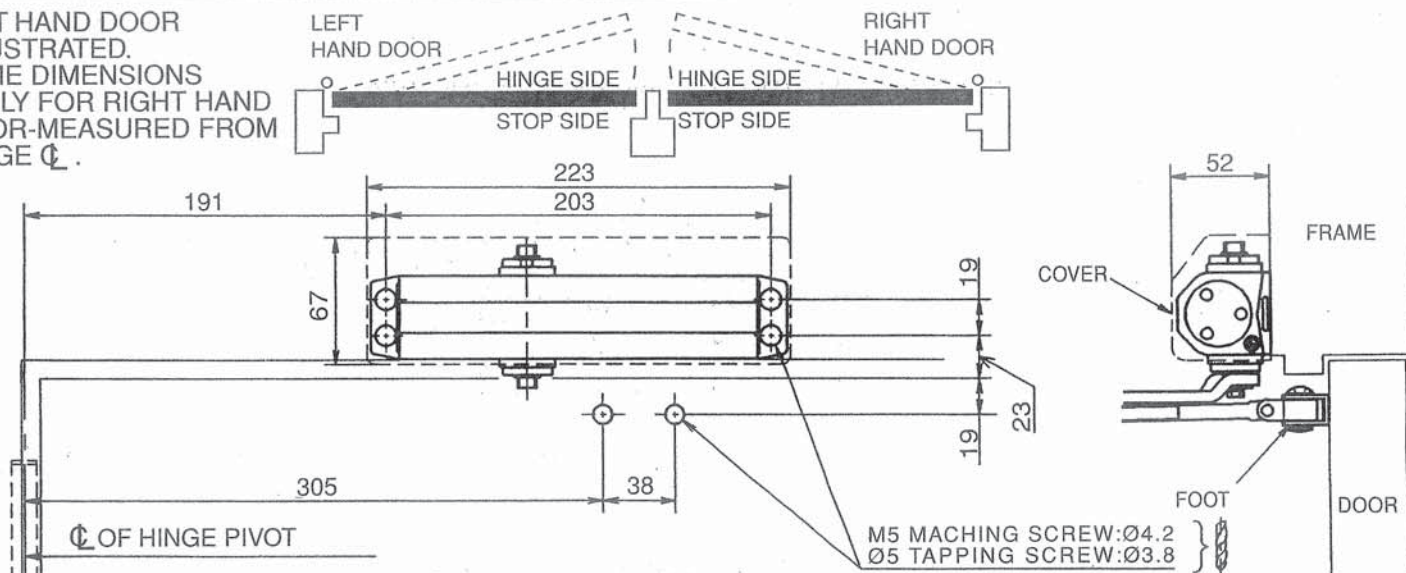


INSTALLATION INSTRUCTIONS

TOP JAMB APPLICATION

CLOSER MOUNTED ON FRAME
ON STOP SIDE OF DOOR

LEFT HAND DOOR
ILLUSTRATED.
SAME DIMENSIONS
APPLY FOR RIGHT HAND
DOOR-MEASURED FROM
HINGE ϕ .

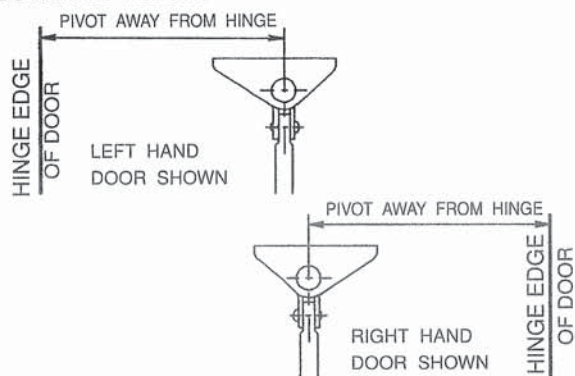


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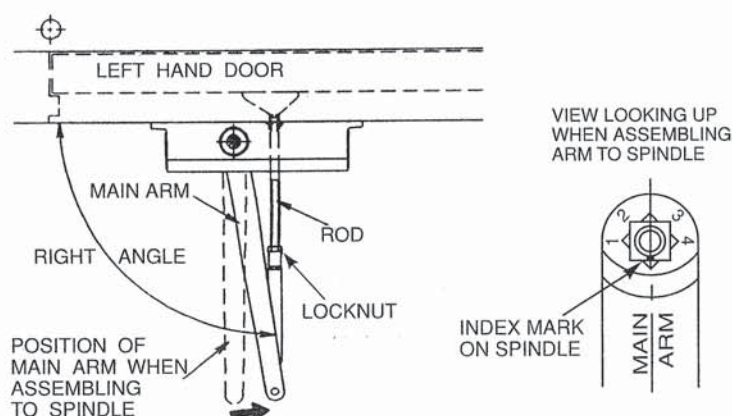
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C

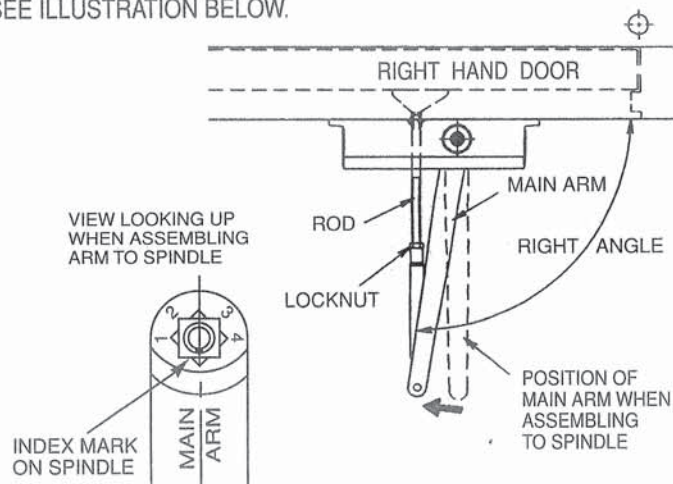
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ATTACH ARM WITH WASHER AND SCREW. TIGHTEN SECURELY USING SPANNER.



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ADJUST AND REGULATE DOOR CLOSER AS DIRECTED AT PAGE 1 FOR SPEED AND BACKCHECK.

F

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(Applicable to D-1550 Series only)

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

