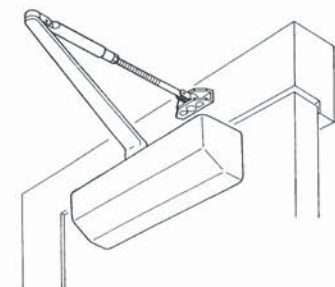


RYOBI® DOOR CLOSER

D-3550 SERIES INSTALLATION INSTRUCTIONS

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

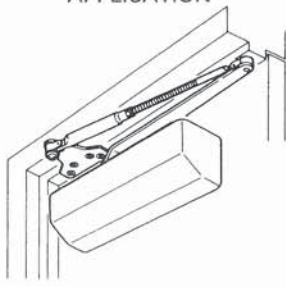
STANDARD APPLICATION



CLOSER MOUNTED ON
HINGE SIDE OF DOOR

USE PAGE 2

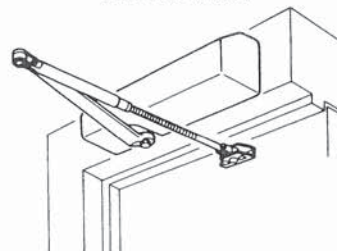
PARALLEL ARM APPLICATION



CLOSER MOUNTED ON
STOP SIDE OF DOOR

USE PAGE 3

TOP JAMB APPLICATION

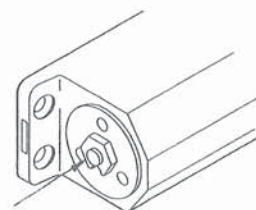


CLOSER MOUNTED ON FRAME
ON STOP SIDE OF DOOR

USE PAGE 4

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

ADJUST SPRING POWER FOR DOOR WEIGHT AND WIDTH AS INDICATED IN CHART. TO INCREASE CLOSING POWER, TURN SPRING ADJUSTING NUT CLOCKWISE. MAXIMUM ADJUSTMENT IS APPROXIMATELY 11 TURNS.



SPRING ADJUSTING NUT

ADJUSTING SPRING POWER ACCORDING TO CHART

Turns of spring Adjusting Nut

Closer Size	Max. Door Width (mm)	Max. Door Weight (kg)	STANDARD		PARALLEL ARM		TOP JAMB	
			from Preset	from Min.	from Preset	from Min.	from Preset	from Min.
1	750	20	---	---	-3	0	-1	+2
2	850	40	-2	+1	-1	+2	0	+3
3*	950	60	0	3	+2	+5	+2	+5
4	1100	80	+2	+5	+5	+8	+5	+8
5	1250	100	+5	+8	+8	+11	+8	+11
Max. Door Opening			180°		180°		180°	

*FACTORY PRESET TO SIZE 3 FOR STANDARD APPLICATION.

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.

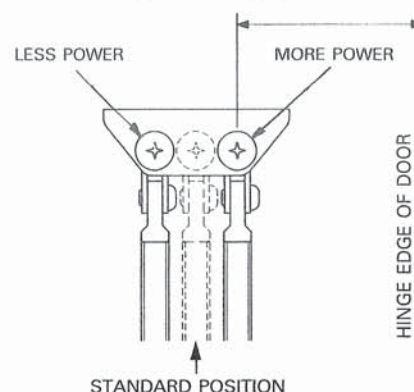
THIS VALVE CONTROLS
DOOR SPEED.

THIS VALVE CONTROLS
LATCHING SPEED



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.

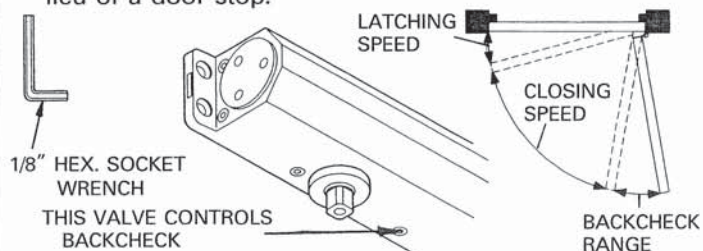
ADJUSTING FOOT FOR ADDITIONAL CLOSING POWER



REGULATING BACKCHECK

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

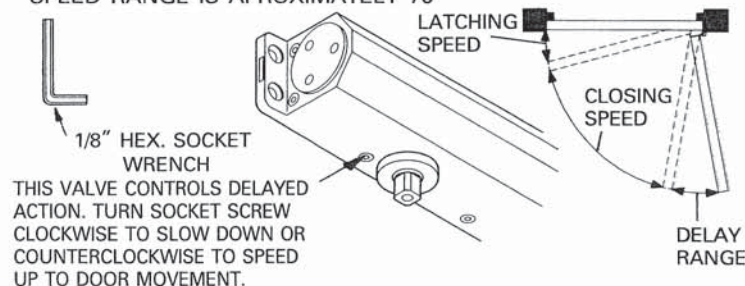
CAUTION: Set valve for a slight cushioning effect. It is damaging to the closer if the checking action is too abrupt. Backcheck should never be used in lieu of a door stop.



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.

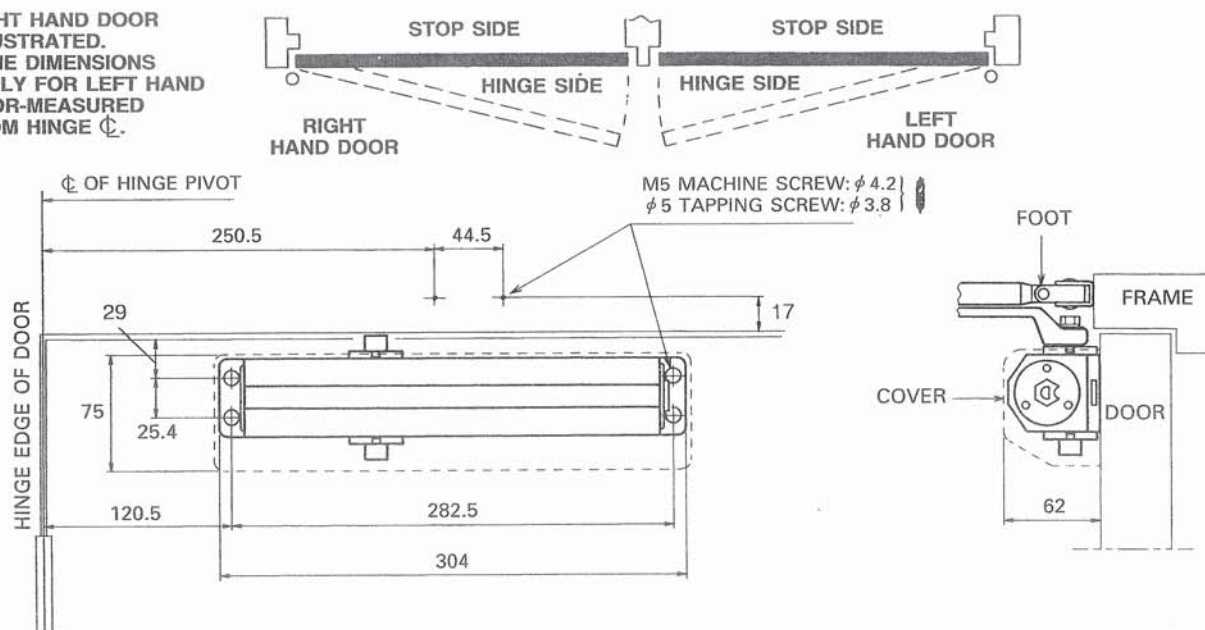
FOR MODELS HAVING "DELAYED ACTION"

"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°.



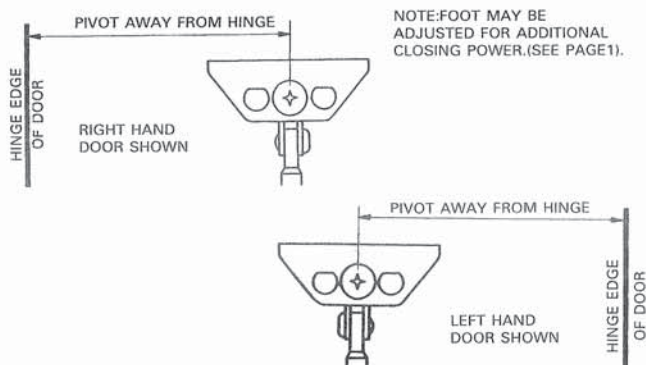
CAUTION: Take care when adjusting valve to ensure it is not wound counterclockwise too far as this could disengage it and allow fluid to be lost.

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

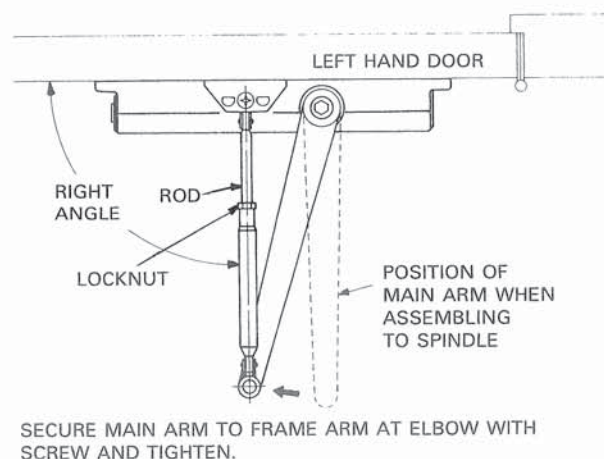


- A**
1. MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME AS SHOWN ABOVE. DRILL SIZES TO BE USED AS SHOWN.
 2. ATTACH CLOSER TO DOOR WITH SHORT END OF CLOSER FACING TOWARD HINGE.

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

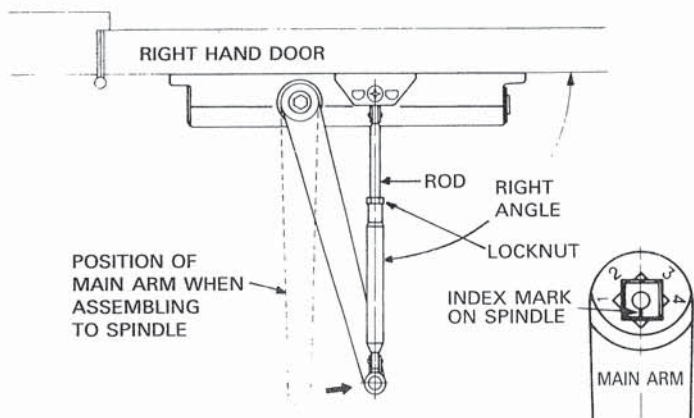


- D**
- TIGHTEN LOCKNUT SECURELY WHEN ROD IS AT RIGHT ANGLE TO DOOR. SEE ILLUSTRATION BELOW.

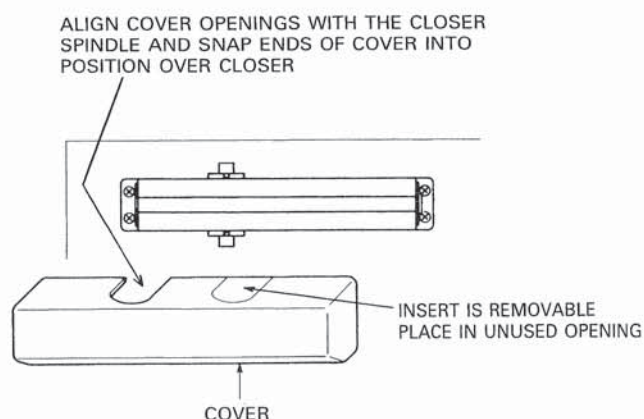


- E**
- ADJUST AND REGULATE DOOR CLOSER AS DIRECTED ON PAGE 1 FOR SPEED, LATCHING ACTION, BACKCHECK, AND DELAYED ACTION.

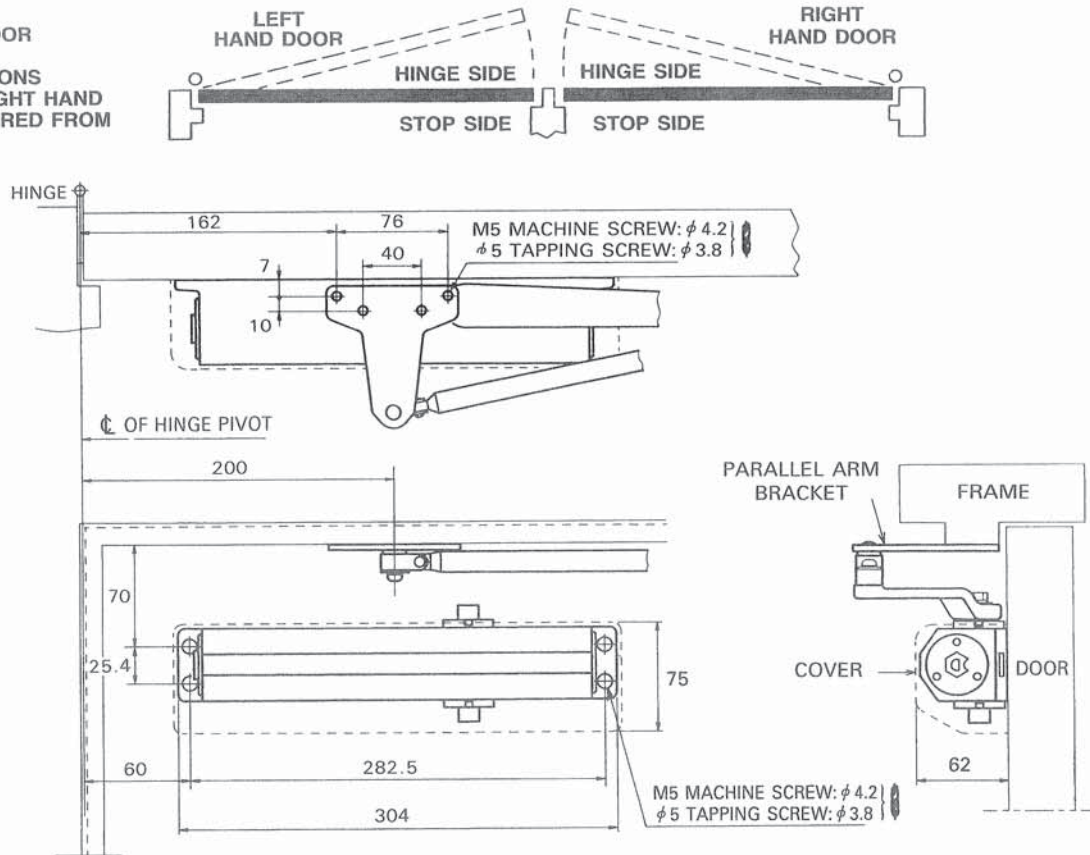
- C**
- ASSEMBLE MAIN ARM TO CLOSER WITH INDEX MARK ON SPINDLE ALIGNED BELOW. ATTACH ARM WITH WASHER AND SCREW. TIGHTEN SECURELY USING SPANNER PROVIDED.



- E**
- INSTALL COVER AS FOLLOWS:



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



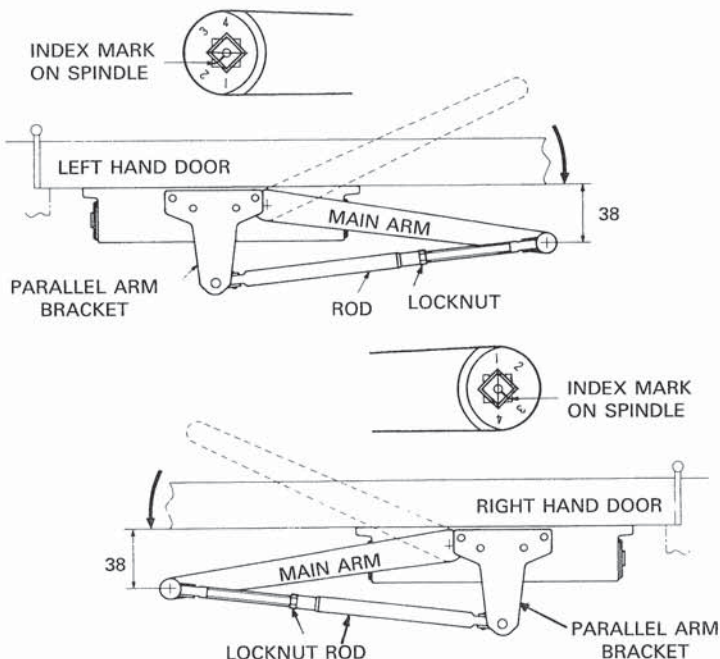
- A** 1. MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME AS SHOWN ABOVE. DRILL SIZES TO BE USED AS SHOWN.
2. ATTACH CLOSER TO DOOR AND PARALLEL ARM BRACKET TO FRAME (LONG END OF CLOSER TOWARD HINGE).

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

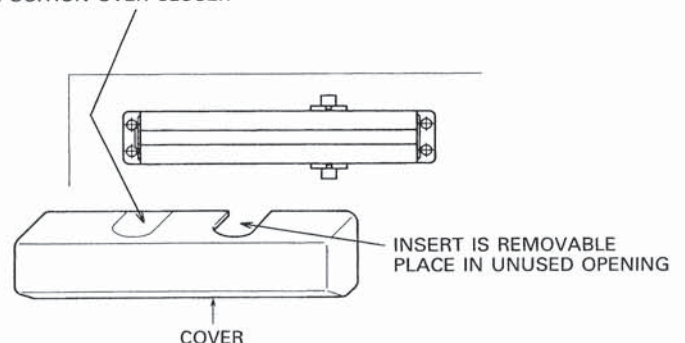
- B** ASSEMBLE MAIN ARM TO CLOSER WITH INDEX MARK ON END OF SPINDLE 45° FROM AXIS OF ARM, AS ILLUSTRATED BELOW, USING A WRENCH ON THE BOTTOM SPINDLE TO ROTATE SPINDLE INTO POSITION. ATTACH ARM TO SPINDLE WITH WASHER AND SCREW.

- D** ADJUST AND REGULATE DOOR CLOSER AS DIRECTED AT PAGE 1 FOR SPEED, LATCHING ACTION, BACKCHECK, AND DELAYED ACTION.

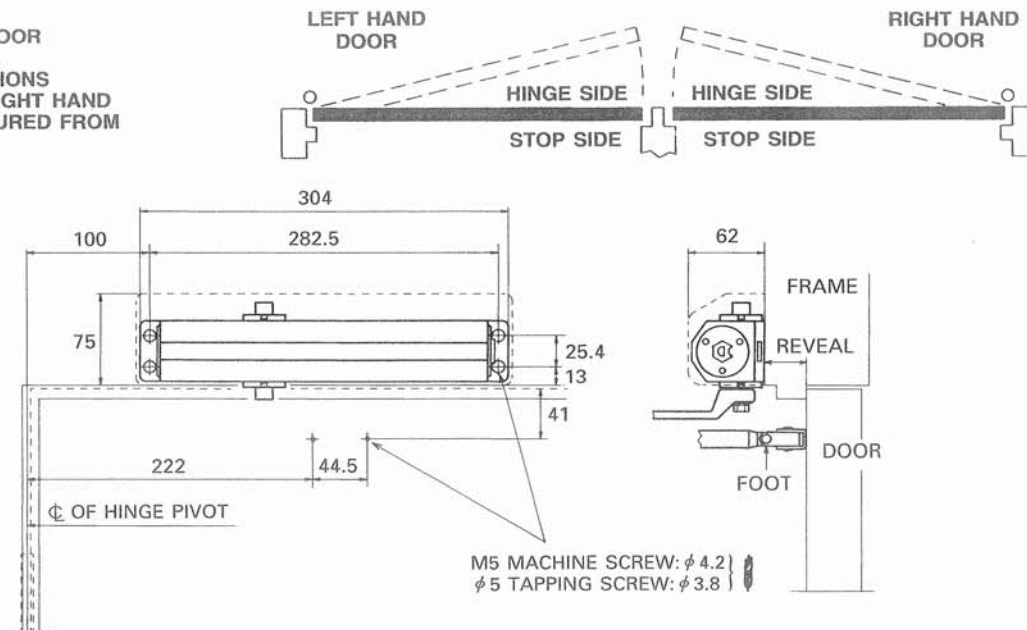
- E** INSTALL COVER AS FOLLOWS:



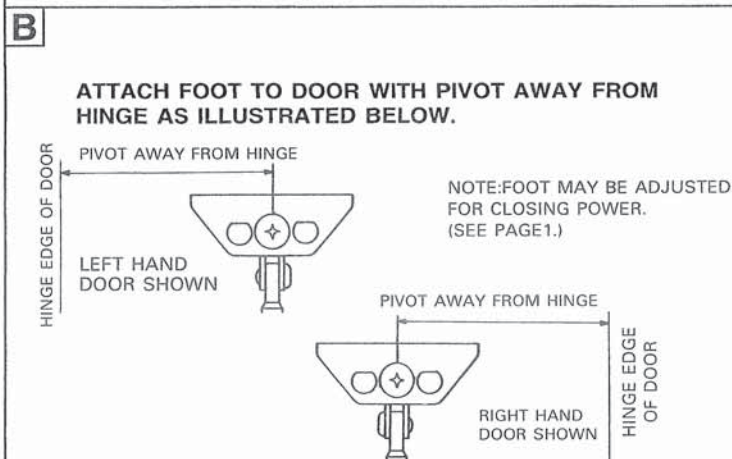
ALIGN COVER OPENINGS WITH THE CLOSER SPINDLE AND SNAP ENDS OF COVER INTO POSITION OVER CLOSER



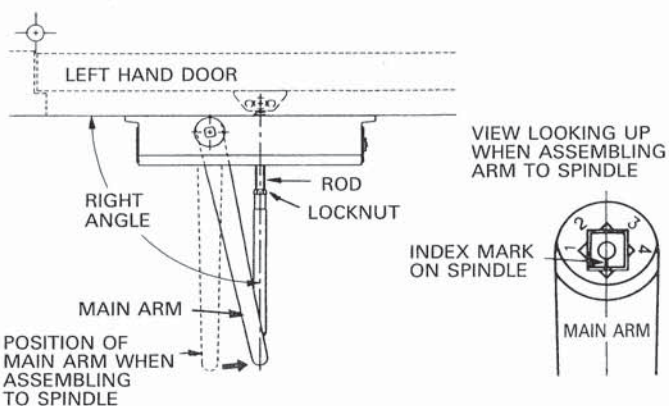
LEFT HAND DOOR
ILLUSTRATED.
SAME DIMENSIONS
APPLY FOR RIGHT HAND
DOOR—MEASURED FROM
HINGE ϕ .



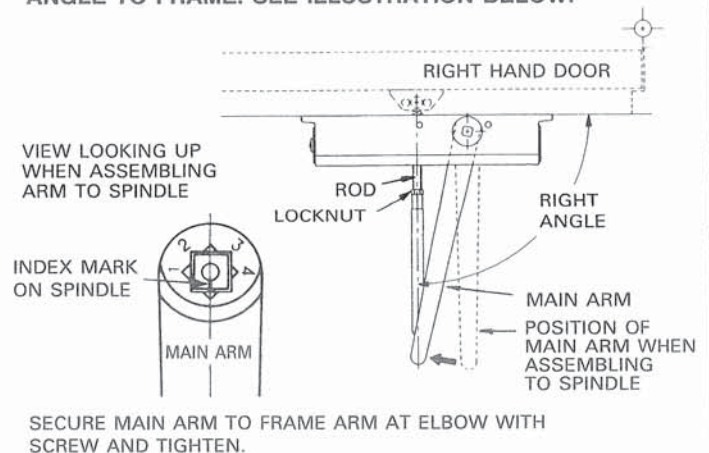
- A**
1. MARK LOCATION OF ATTACHING SCREWS ON DOOR AND FRAME AS SHOWN ABOVE. DRILL SIZES TO BE USED AS SHOWN.
 2. ATTACH CLOSER TO FRAME WITH SHORT END OF CLOSER FACING TOWARD HINGE.



- 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 PAGE 1 FOR SPEED, LATCHING ACTION, BACKCHECK, AND DELAYED ACTION.

- F**
- INSTALL COVER AS FOLLOWS:

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

