

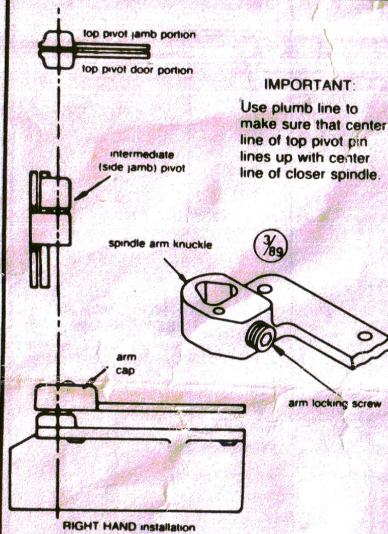
# 20-25 FLOOR CLOSER

3/4" OFFSET PIVOTED-HANDED

## HOW TO DETERMINE HAND OF DOOR

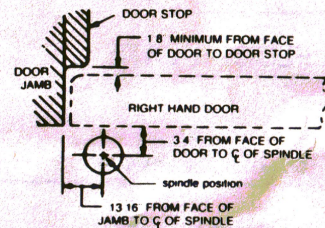


Face a door swinging open away from you. If it opens to the right, it is right hand. If it opens to the left, it is left hand.



**IMPORTANT:**  
Use plumb line to make sure that center line of top pivot pin lines up with center line of closer spindle.

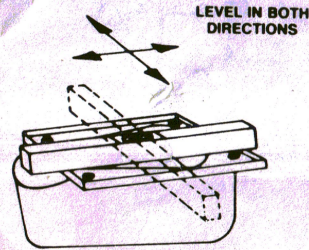
## 1. INSTALLATION INSTRUCTIONS



### INSTALL CLOSER

- Measure 13 1/8" out from door jamb.
- Allow 1 1/8" minimum clearance from door stop to door face. Measure door thickness. Add 3/4".
- Where lines meet determines center line of closer.

2.



## INSTALL CEMENT CASE IN FLOOR

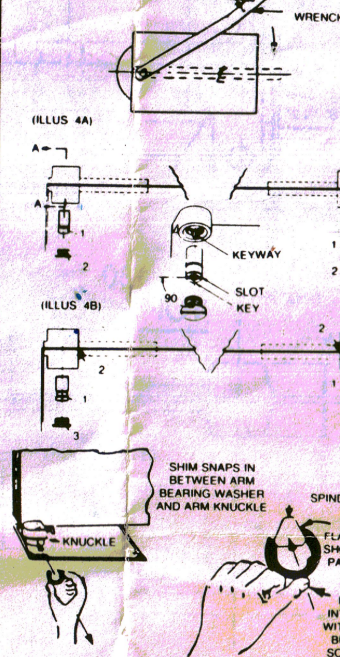
- For floor plate application: Cement case is set 1/8" below floor level.
- For threshold application: Cement case is set flush with floor.
- Set cement case in floor and block in position.
- Case should be parallel with center line of door.
- CEMENT CASE SHOULD BE LEVEL.** Place levels per illustration.
- Grout in cement case with closer. Cement should not get between closer and case.

## 3. INSTALL TOP PIVOT AND CLOSER ARM

- Install top pivot in door per template.
- Install top pivot in frame per template.
- Center line of pivot should line up with center line of closer. Use plumb line as illustrated.
- If side jamb pivot is used, see template for intermediate pivot.

## 4. HANG DOOR

PINS POINT DOWN FOR RH CLOSER



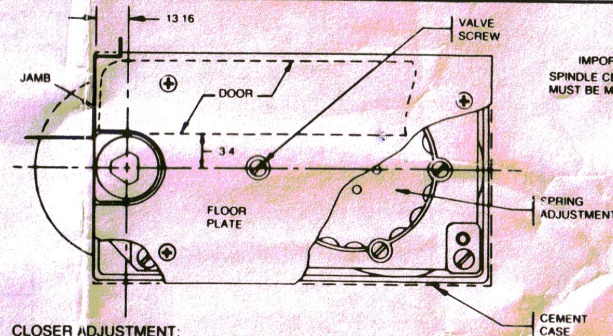
**CAUTION:** Closer is shipped with "stroke" valve down. DO NOT FORCE VALVE DOWN

- Using wrench, turn spindle until wrench is parallel with center line of closer.
- Set door on closer spindle. DO NOT FORCE DOOR CLOSED WHILE "STROKE" VALVE IS TURNED DOWN.

**NOTE:** You may have received two different styles of top pivots, check the pivot pins. If the pivot pin has an O-ring see instruction C. If no O-ring see instruction D.

- Push item 1 "top pivot pin" into place. Note: Key on pin MUST ALIGN WITH KEYWAY. Keyway is towards face of door. Slot in pin is parallel to face of door. Attach "cap" item 2 (illus. 4A) CAP MUST BE TIGHTENED SECURELY.
- Push item 1 "top pivot pin" into place and tighten item 2 "set screw". Note: Undercut in pivot pin MUST ALIGN WITH SET SCREW. Attach item 3 "cap" (illus. 4B).
- Open "stroke" valve (counterclockwise) one turn.
- If door drags at floor (or threshold, if used), raise door to desired clearance and insert one or more 1/16" shims.
- While working door back and forth **TIGHTEN ARM LOCKING SCREW SECURELY** with wrench furnished.
- Put arm cap on closer spindle and secure **TIGHTLY** with cap screw furnished.

5.



**CLOSER ADJUSTMENT:**  
Closing speed can be adjusted to suit local conditions and requirements. With a screw driver turn the adjusting screw that projects through the floor plate or threshold, either in or out as the case may be until the desired action is attained. Turn this valve screw to the right, clockwise, to decrease closing speed and to the left to increase the closing speed. FORCING THIS SCREW DOWN WILL IMPAIR ITS OPERATION.

## SPRING POWER ADJUSTMENTS

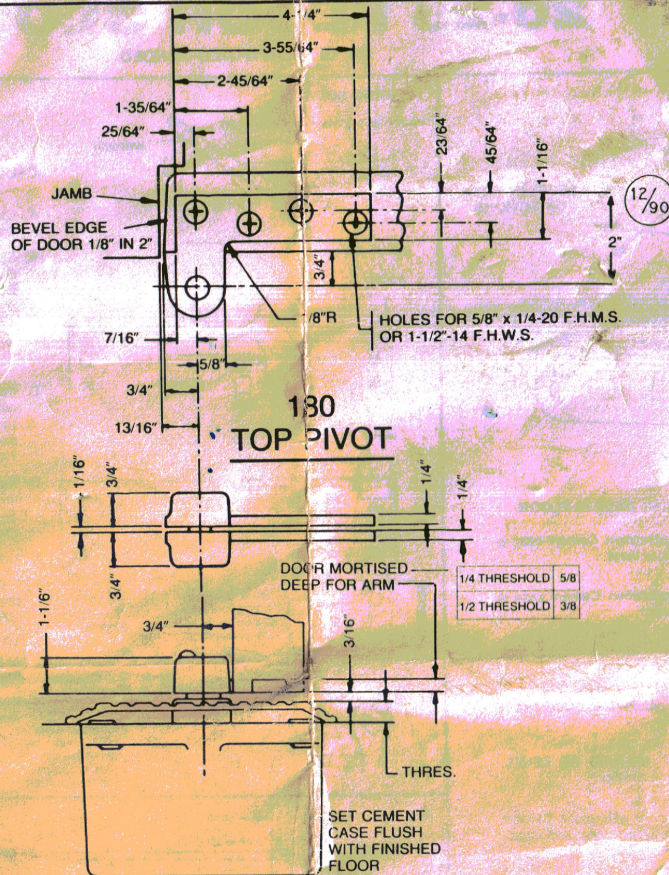
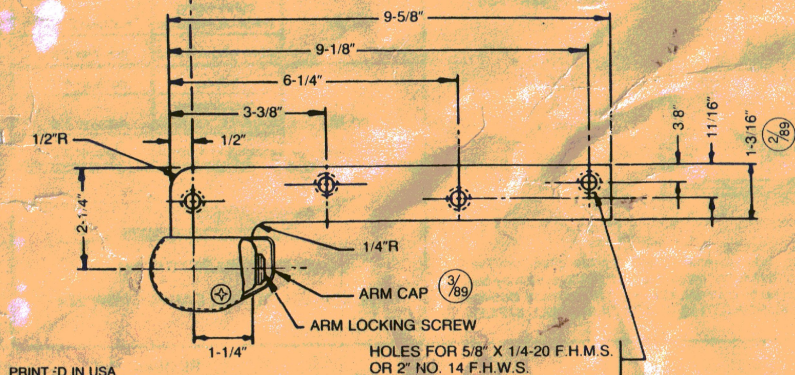
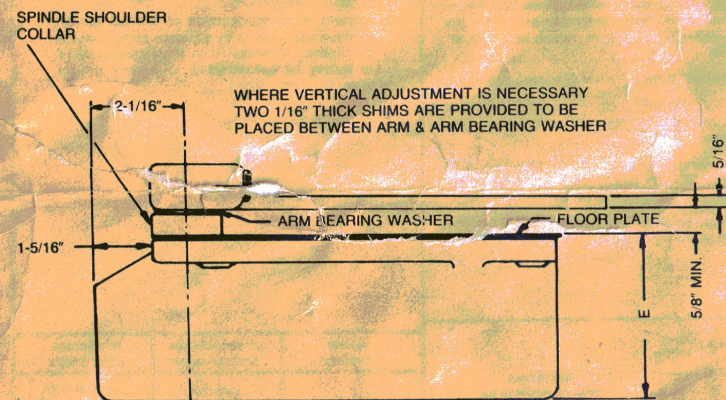
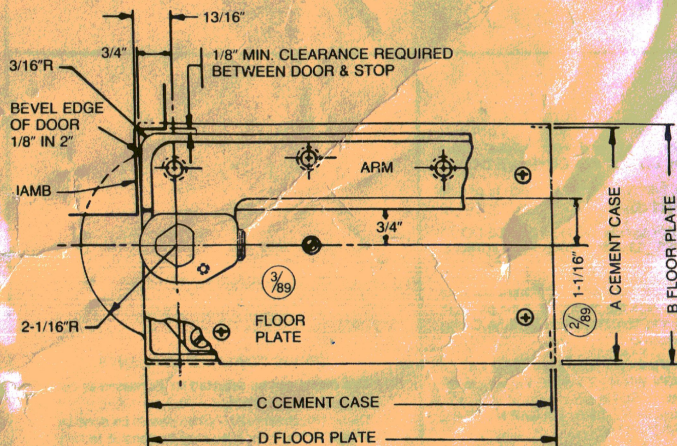
This closer can be adjusted for increased or decreased spring power. These adjustments if required should be done by an authorized repair agency or consult factory for proper instructions. Repairs, parts replacement or internal adjustments must be done by a Rixson authorized repair agency. Consult Rixson Mfg. Representative or factory for authorized repair agency in your area.

| closer number | door location and function      | maximum door width |
|---------------|---------------------------------|--------------------|
| no. 20        | interior                        | not over 3'6"      |
|               | outswinging entrance, vestibule | not over 2'10"     |
|               | inswinging entrance             | not over 2'6"      |
| no. 25        | interior                        | not over 4'0"      |
|               | outswinging entrance, vestibule | not over 3'6"      |
|               | inswinging entrance             | not over 3'2"      |

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Yale Security Inc.

FRANKLIN PARK, ILLINOIS 60131 U.S.A.  
REXDALE, ONTARIO, CANADA M9W 2Z4



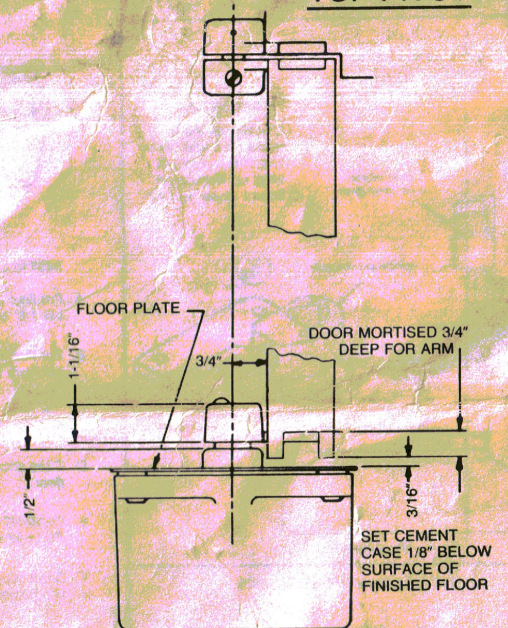


WITH THRESHOLD

| CLOSER NUMBER | DIMENSIONS |         |          |          |         |
|---------------|------------|---------|----------|----------|---------|
|               | A          | B       | C        | D        | E       |
| 20            | 5"         | 5-1/16" | 8-25/32" | 8-13/16" | 3-5/8"  |
| 25            | 5-7/8"     | 6-1/8"  | 9-13/16" | 9-7/8"   | 4-1/16" |

NOTE: RIGHT HAND SHOWN  
 ADDITIONAL TEMPLATE DETAILS FOR:  
 INTERMEDIATE PIVOT—T-M19, T-119, T-A19  
 ASYLUM TOP PIVOT—T-ATP  
 1-1/2" OFF SET—1-20-25-1-1/2  
 THRESHOLDS (RIXSON DESIGN)  
 AVAILABLE ON REQUEST  
 MAXIMUM DEGREE OF OPENING,  
 TRIM PERMITTING, 180°

TOP PIVOT



WITH FLOOR PLATE

DO NOT SCALE DRAWING

FLOOR CLOSER  
 3/4" OFFSET PIVOTED

RIXSON  
 Gate Security Inc.

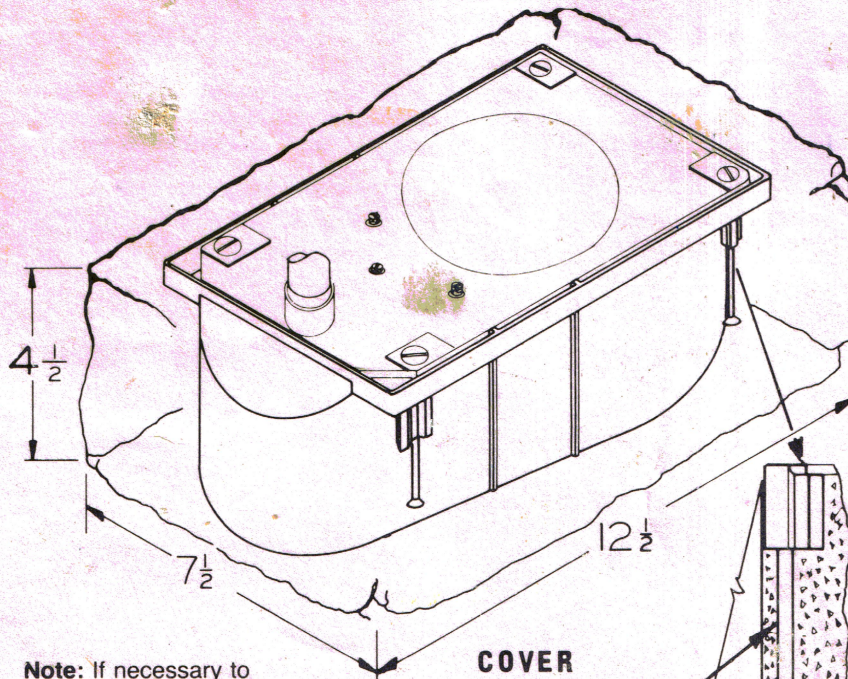
T-20-25/ 12-90

2025NHEZ

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## FOUNDATION CASE GROUTING DATA



**Note:** If necessary to prevent cement from entering foundation case, apply duct tape to seal the gap between closer and foundation case.

**COVER  
ANCHORS  
COMPLETELY  
WITH CEMENT.**

Illustration #1

**5. The two-pour grouting procedure.**

**Step #1** Use **EXPANDABLE QUICKSET CEMENT**, (Por-Rok or equiv. grout). Grout in only bottom half of Foundation Case, including bottom of cement anchor. (See illust. #1) Allow grout to harden.

**STEP #2** Use a regular cement mixture, **EXTERIOR TYPE** (Sakrete or equiv.) to finish setting the Foundation Case. **ALL 4 ANCHORS MUST BE COMPLETELY COVERED WITH CEMENT.** (See illust. #1)

**6. After grout has set, proceed with hanging of door.**

### NO. 325-327 CLOSERS

Check template for location of rough hole.

# RIXSON

FRANKLIN PARK, ILLINOIS, U.S.A. — MISSISSAUGA, ONTARIO, CANADA

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REVISED 5-88

OVER



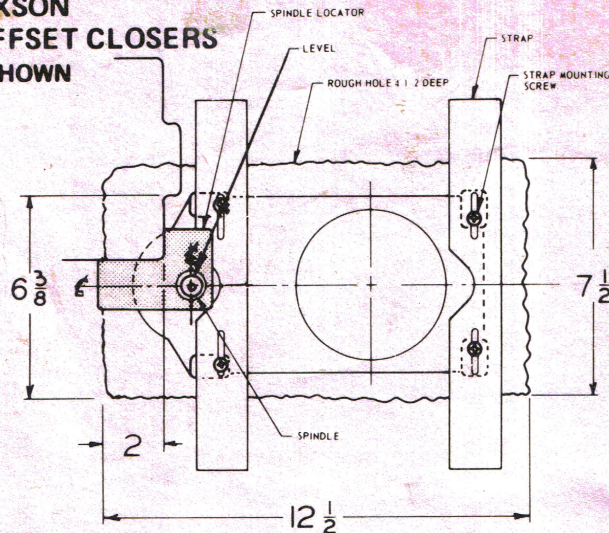
### FOUNDATION CASE LOCATION AND FLOOR PREPARATION DATA

1. Prepare rough hole in concrete as shown.  
**IMPORTANT:** Refer to closer template for exact location.
2. Mount the spotter support straps to closer, with #10-24 x 5/16 screws supplied.
3. Set foundation case in rough hole and locate in proper relationship to JAMB with the spindle locator. Place magnet-level on closer spindle. Shim as required to level closer and set for correct height from finished floor.
4. Use a two-pour grouting procedure per instructions on reverse side.  
**IMPORTANT:** Spindle locator to be used for  $\frac{3}{4}$ " offset only. Refer to template for  $1\frac{1}{2}$ " offset or other special closer instructions.

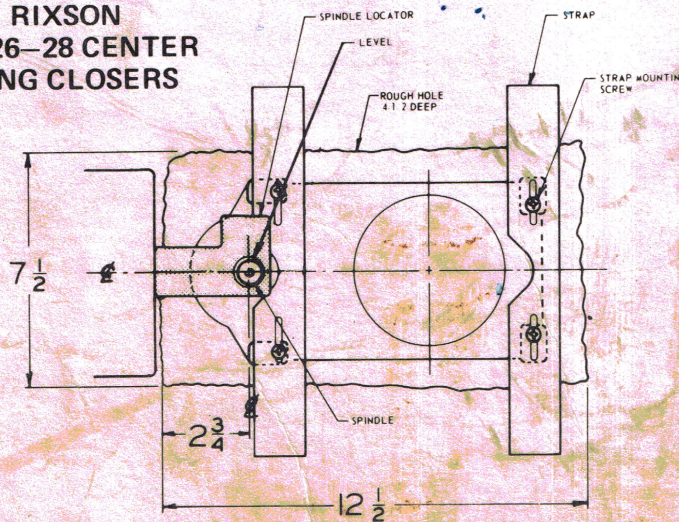
#### RIXSON

#### NO. 25-27 OFFSET CLOSERS RIGHT HAND SHOWN

$\frac{3}{4}$  OFFSET  
ONLY



#### RIXSON NO. 26-28 CENTER HUNG CLOSERS



OVER