

Cardinal
SHOWER ENCLOSURES



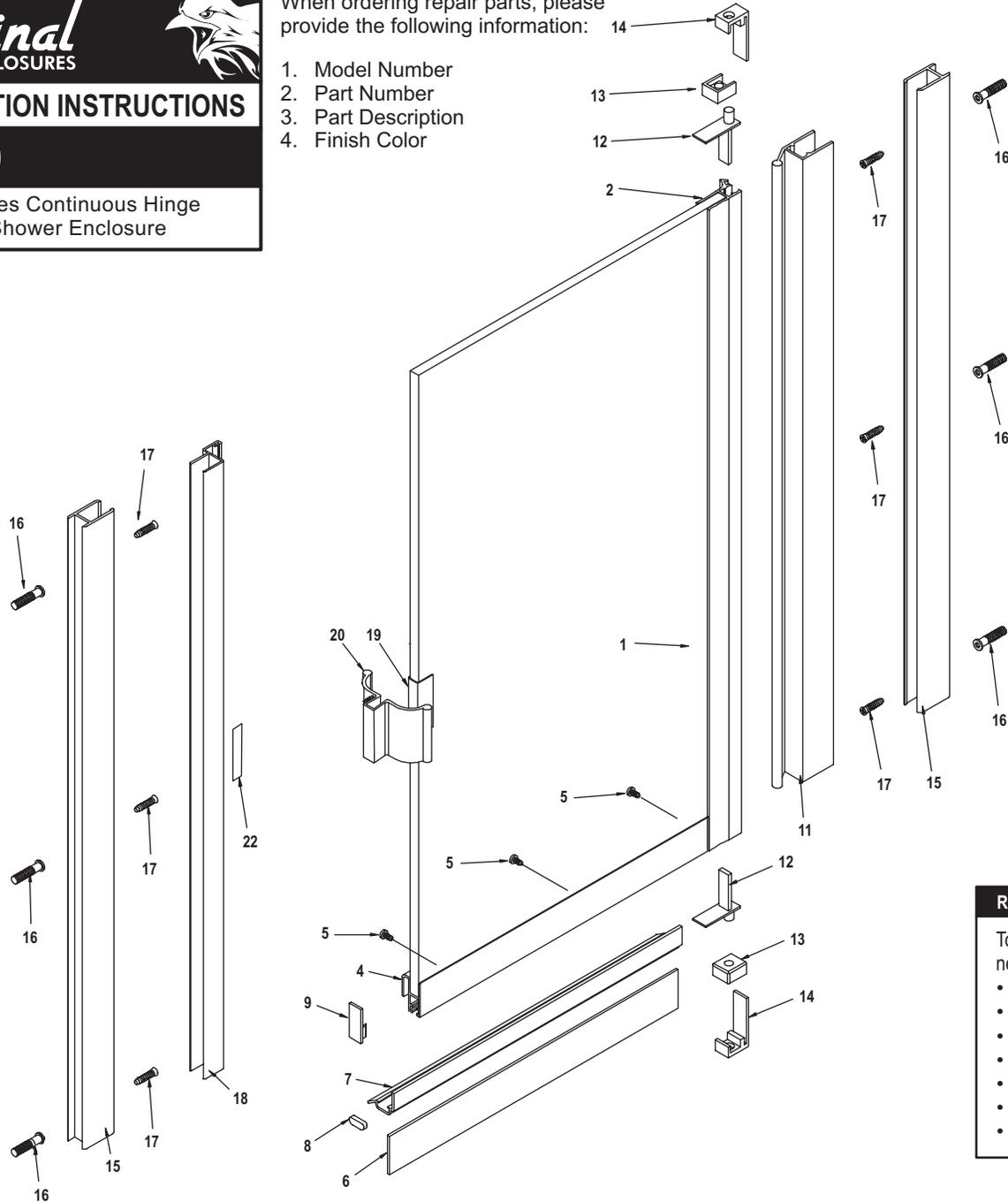
INSTALLATION INSTRUCTIONS

MODEL: **CD**

Cardinal Series Continuous Hinge
Swing Door Shower Enclosure

When ordering repair parts, please provide the following information:

1. Model Number
2. Part Number
3. Part Description
4. Finish Color



DESCRIPTION	QTY	PART NO.	PICTURE
1. Glazing Vinyl	1	ZV-925	
2. Hinge Rail with Vinyl	1	ZD-2503	
3. Glazing Vinyl Bottom Rail	1	ZV-903	
4. Bottom Rail	1	ZD-1002	
5. #6 x 1/4" Screws	3	#6X1/4	
6. Splash Vinyl	1	ZV-904	
7. Drip Trough	1	ZD-1008	
8. Drip Plug	1	ZV-905	
9. Bottom Rail End Cap	1	ZV-940	
10. Hinge Jamb Sleeve Vinyl	1	ZV-955	
11. Hinge Jamb	1	ZD-2505	
12. Hinge Pins	2	ZV-945	
13. Hinge Bushings	2	ZD-1013	
14. Hinge Clips	2	ZD-1009	
15. Wall Channels	2	ZD-1006	
16. Wall Anchors	6	ZV-935	
17. #8 x 1 1/2" Screws	6	#8X1-1/2	
18. Latch Jamb w/ZV-908 Vinyl	1	ZD-1004	
19. 3" Handle Vinyl	1	ZV-914	
20. 3" Mag Door Pull	1	MAG4011-3	
21. #6 x 3/8" Screws	6	#6X3/8	
22. Mag Channel	1		

REQUIRED TOOLS

To install your shower enclosure, you will need the following:

- Level
- #31 Drill Bit
- 3/16" Carbide Drill Bit (for tile walls)
- Phillips Screwdriver
- Silicone
- Hack Saw
- 1/4" Box End Wrench

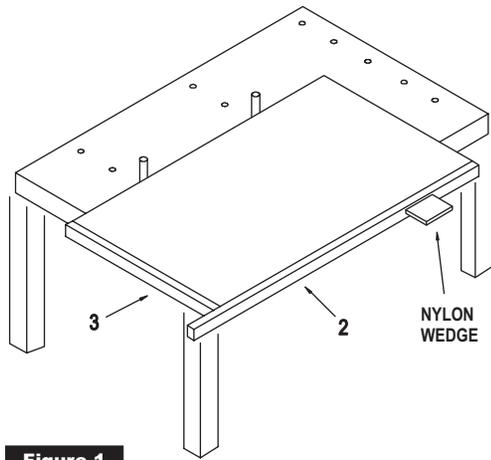


Figure 1

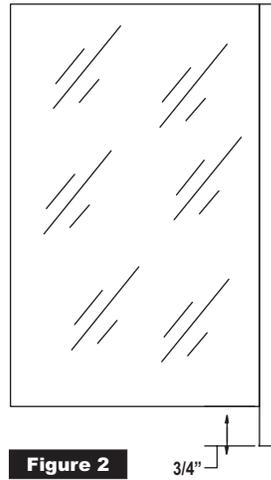


Figure 2

Note: Assembly of a hinge-left door is shown in Figure 1. For a hinge-right door, place bottom rail assembly at opposite end.

1. Lay glass flat, smooth side up on assembly table (Figure 1) and bracing glass on far side as shown so hinge rail can be driven into place. Apply hinge rail glazing channel (1) to edge of glass nearest you. Start vinyl 5/8" up from the bottom of the glass and cut flush with the top of glass.
2. The hinge jamb and hinge rail (11 & 12) are packaged assembled. Before glazing the hinge rail (2), remove hinge jamb (11) and sleeve (10) from hinge rail. Failure to do so will cause damage to metal while glazing and result in the door hinge binding. Hold hinge rail in place against vinyl with a glazing block and glaze using a hammer. Hinge rail should extend 3/4" below bottom of glass (Figure 2) and be straight from end to end.

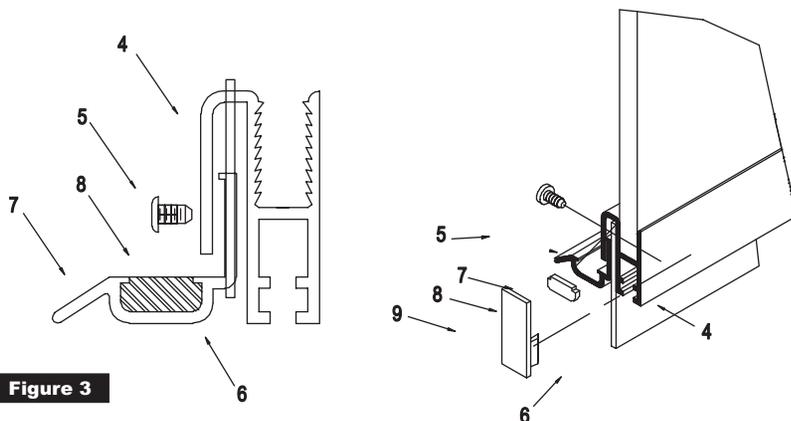


Figure 3

3. Apply bottom glazing vinyl (3) to the bottom of the glass. Hold bottom rail (4) in place against the bottom glazing channel and drive the bottom rail in place on the glass using the glazing block and a heavy steel hammer. Secure hinge rail to bottom rail using one #8x 1-1/4 FH SMS screw. Start three #6 x 1/4 SMS B screws (5) into the bottom rail. Insert the splash vinyl (6) and the drip trough (7) into the bottom rail. Splash vinyl should flush off with latch end of bottom rail and butt to offset of the hinge rail at other end. Flush-off drip trough with notchback on bottom rail at latch side. Push drip trough as far up as possible on latch side and as low as possible on hinge side and secure by tightening the three #6 x 1/4" SMS B screws (5).

4. Insert the drip plug (8) into the end of the drip trough at the handle side. Water should now drain back into the shower when the door is open. Insert the bottom end rail cap (9) in the end of the bottom rail (4) (see Figure 3).

5. Set hinge bushing (13) in place over the hinge clip (14) and push the hinge pin (12) into the hinge bushing. Drive the clip with the bushing and pin into the bottom end of the hinge jamb (See Figure 4). Slip the hinge jamb sleeve (10) over ball of hinge jamb. Place the hinge jamb with sleeve, clip, bushings, and pin in place inside the hinge rail. (Screw holes in hinge jamb to the inside of door). Slip the second pin in place in the hinge rail at the top of the door, place the bushing over the clip and drive the clip into the jamb securing the pin to the bushing.

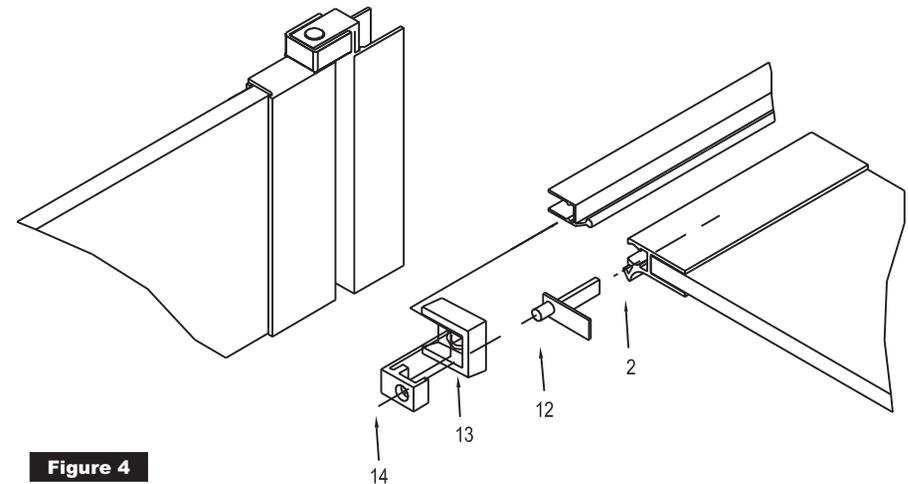


Figure 4

General: Wall channels (15) are supplied 67 3/4" long. For door only installation (with no header or curb), cut with a hacksaw to 66 5/8" so they will not extend above the hinge and latch jambs.

1. Hold wall channels (15) in a plumb position and mark hole locations on the hinge side and bottom hole only on the latch side (See Figure 1). Drill holes in wall (using 3/16" carbide drill for tile walls). Insert wall anchors (16) into drilled holes.

2. Set wall channels in place and secure with #8 x 1 1/4" screws (17) using bottom screw only on latch side (See figure 2).

Note: Door is adjustable up to 1" (1/2" at hinge jamb and 1/2" at latch jamb).

Example: A CD-24 door will fit an opening 24" to 25". The 1/2" adjustment should also be used to correct out-of-plumb conditions. For openings up to 24 1/2", set hinge jamb all the way over the wall channel and adjust latch jamb to meet door. For openings over 24 1/2" adjust hinge jamb out on wall channel to compensate for additional opening width.

3. Set latch jamb (18) in place over wall channel, but DO NOT SECURE!

4. Set hinge jamb with door attached (2 & 11) in place over wall channel. Adjust laterally, plumb to fit opening. Mark three holes on wall channel through the predrilled holes on hinge jamb. Drill three holes with a #31 drill bit and secure with #6 x 3/8 SMS screws (21).

5. Apply 3" vinyl channel (19) to edge of glass, centered on handle side. Tap handle (20) in place over vinyl channel.

6. Align latch jamb (18) with edge of door glass and mark wall channel (15) location on wall. Remove latch jamb and mark holes on wall. Lean wall channel to one side to allow enough room for drill and drill the remaining two holes on wall. Insert wall anchors (16).

7. Replace wall channel and secure remaining two holes in wall channel using two #8 x 1 1/4" screws (17).

8. Replace latch jamb over wall channel. Close door and adjust latch jamb 3/16" from edge of glass (See figure 3). Through the holes provided in the latch jamb, drill three #31 holes in wall channel. Secure latch jamb to wall channel with #6 x 3/8 SMS screws (21).

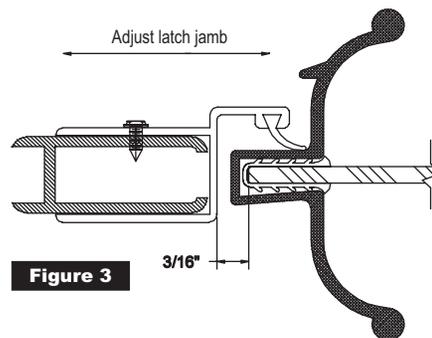


Figure 3

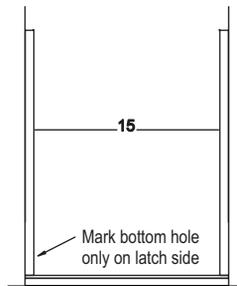


Figure 1

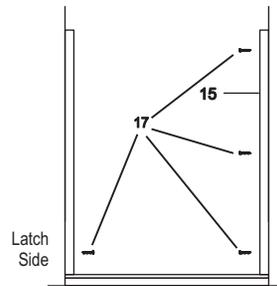


Figure 2

9. Set catch (22) in place on latch jamb (18) and secure with #6 x 1/4" screws (5).

10. Adjust drip trough (7), up at latch side of door and down at hinge side of door so water will drain into shower when door is opened. Adjust splash vinyl (6) to within 1/8" of curb.

Note: Splash vinyl should not touch curb.

11. Clean area to where sealant is to be applied and run a bead of sealant full length inside and outside of each wall channel, where channel meets wall. Allow sealant to cure for 24 hours.

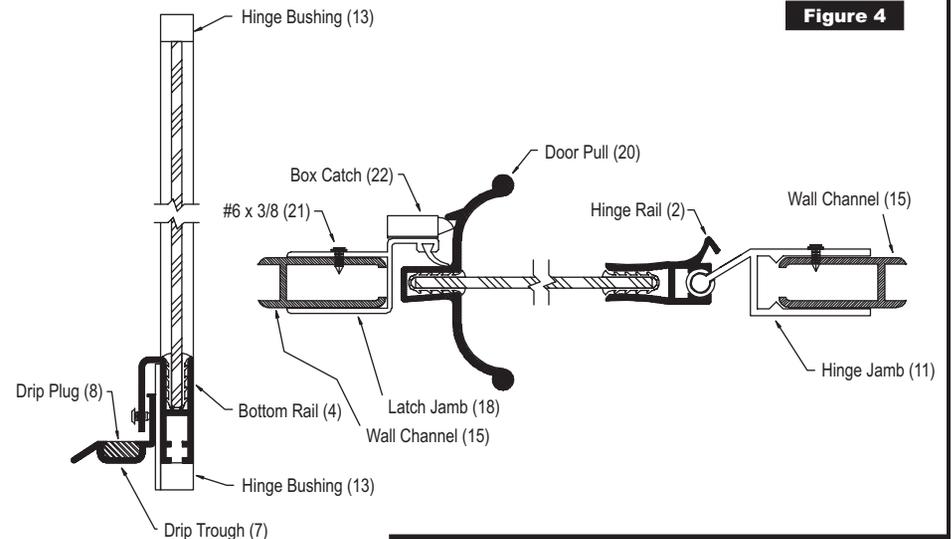


Figure 4


INSTALLATION INSTRUCTIONS
MODEL: CD

 Cardinal Series Continuous Hinge
Swing Door Shower Enclosure

Frameless Enclosures

Breakdown Chart for Special Height and Width CD units

QTY.	Part# & Description	How to arrive at measurement
2	ZD 1006 Wall Channels*	Unit Height
1	ZD 2505 Hinge Jamb	Unit Height
1	ZD 1004 Latch Jamb	Unit Height
1	ZD 2503 Hinge Rail	Unit Height minus 7/8"
1	ZD 1002 Bottom Rail	Glass Width (see chart) minus 11/16"
1	ZD 1008 Drip Through	Glass Width (see chart) minus 3/16"

*ZD 1028 can be substituted fro 1006, this allows your door to be reduced by 1/8" for every 1028 (maximum of 2 or 1/4")

Glass

1

 Unit width
height

 Unit width minus 3 3/16"
Unit height minus 1 5/8"

DOOR SIZE AND METAL CHART

<u>Model #</u>	<u>Opening Size</u>	<u>Glass Size</u>	<u>ZD 1002</u>	<u>ZD 1008</u>	<u>ZV904 wiper</u>
CD-22	22-23	18 13/16 x 65	18 1/8"	18 5/8"	20"
CD-23	23-24	19 13/16 x 65	19 1/8"	19 5/8"	21"
CD-24	24-25	20 13/16 x 65	20 1/8"	20 5/8"	22"
CD-25	25-26	21 13/16 x 65	21 1/8"	21 5/8"	23"
CD-26	26-27	22 13/16 x 65	22 1/8"	22 5/8"	24"
CD-27	27-28	23 13/16 x 65	23 1/8"	23 5/8"	25"
CD-28	28-29	24 13/16 x 65	24 1/8"	24 5/8"	26"
CD-29	29-30	25 13/16 x 65	25 1/8"	25 5/8"	27"
CD-30	30-31	26 13/16 x 65	26 1/8"	26 5/8"	28"
CD-31	31-32	27 13/16 x 65	27 1/8"	27 5/8"	29"
CD-32	32-33	28 13/16 x 65	28 1/8"	28 5/8"	30"
CD-33	33-34	29 13/16 x 65	29 1/8"	29 5/8"	31"
CD-34	34-35	30 13/16 x 65	30 1/8"	30 5/8"	32"
CD-35	35-36	31 13/16 x 65	31 1/8"	31 5/8"	33"
CD-36	36-37	32 13/16 x 65	32 1/8"	32 5/8"	34"