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Tools Required

Drill bits: 5/8", 11/64", 13/64", 1-13/32"
Taps: 1/4" x 20
Tape measure
Saw horses
Drill
Phillips #2 screwdriver
Standard screwdriver
Framing square/straight edge

Masking tape
Center punch
Flat Metal File
Round Metal File
Jigsaw with metal cutting blade
Hex wrench set
Torx T-10 tool

NOTE: Any modifications, other than those specified in this document, could result in this product's failure to meet UL safety ratings and void the manufacturer's warranties.

The rapidly changing technology within the architectural aluminum products industry demands that U.S. Aluminum reserve the right to revise, discontinue or change any product line, specification or electronic media without prior written notice.

NOTE: Dimensions in parentheses ( ) are millimeters unless otherwise noted.
# CRL Jackson Panic 1285 Concealed Vertical Rod Panic Exit Device

## Parts Identification

### Fasteners Provided

<table>
<thead>
<tr>
<th>Call Out</th>
<th>QTY.</th>
<th>Fastener Description</th>
<th>Part</th>
<th>Used With Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>4</td>
<td>10-32 x 7/8&quot; FHMS</td>
<td></td>
<td>302652 End Caps</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(Mounting Hardware)</td>
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<tr>
<td>B</td>
<td>1</td>
<td>1/4&quot;-20 x 1/2&quot; PHMS</td>
<td></td>
<td>302652 End Caps</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(Mounting hardware)</td>
</tr>
<tr>
<td>C</td>
<td>4</td>
<td>#10 x 1/2&quot; FH Self Tapping Screw</td>
<td>30934 Top Bolt Guide</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>30320 Bottom Bolt Guide</td>
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<tr>
<td>D</td>
<td>4</td>
<td>#8 x 3/8&quot; FH Screw</td>
<td></td>
<td>301084 Top and Bottom Strike Package</td>
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<tr>
<td>E</td>
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<td>#8 x 3/4&quot; FH Screw</td>
<td></td>
<td>30824 Trip Bracket Package</td>
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<tr>
<td>F</td>
<td>1</td>
<td>1/4&quot;-20 x 1&quot; Adjustment screw</td>
<td>30824 Trip Bracket Package</td>
<td></td>
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<td>G</td>
<td>2</td>
<td>#8-32 x 2&quot; FHMS</td>
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<td>30821J Mortise Cylinder Mounting Pad</td>
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<tr>
<td>H</td>
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<td>#10 x 2-1/8&quot; FHMS</td>
<td></td>
<td>8500LV01 and 8500LV02 Exterior Trim with Lever Assembly</td>
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<tr>
<td>I</td>
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<td>8-32 x 3/8&quot; FHMS</td>
<td></td>
<td>302652 2 Base End Caps</td>
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<tr>
<td></td>
<td></td>
<td></td>
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<td>(Mounting hardware included)</td>
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<tr>
<td>J</td>
<td>2</td>
<td>8-32 x 1/4&quot; SHCS</td>
<td></td>
<td>302452J Rod and Case Assembly with Hex Head Cap Screws</td>
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## PARTS IDENTIFICATION

<table>
<thead>
<tr>
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<th>PART NO.</th>
<th>DESCRIPTION</th>
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</thead>
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<tr>
<td>K</td>
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<td>301347, 301348</td>
<td>Optional 12&quot; (305) or 24&quot; (610) Top Rod Extender</td>
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<tr>
<td>L</td>
<td></td>
<td>N/A</td>
<td>Hex tool. Included with Bolt Guides Top 30934 or Bottom 30320</td>
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<tr>
<td>M</td>
<td></td>
<td>302674 and 30267448</td>
<td>Base Cover Plate</td>
</tr>
<tr>
<td>N</td>
<td></td>
<td>302452J</td>
<td>Rod and Case Assembly</td>
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<tr>
<td>O</td>
<td></td>
<td>301552</td>
<td>Concealed Vertical Rod Silencer</td>
</tr>
<tr>
<td>P</td>
<td></td>
<td>302796</td>
<td>Hex Dogging Key</td>
</tr>
<tr>
<td>Q</td>
<td></td>
<td>DL2170</td>
<td>Optional 1&quot; (25.4) Single Mortise Cylinder</td>
</tr>
</tbody>
</table>
DOOR PREPARATION

REMOVE DOOR

1. Place door horizontally on stands interior side up.

2. Mark stile Y-lines, 1-1/8" (28.6 mm) from outside edge for all stile widths. (Fig. 1)

3. Mark stile X-lines per template instructions. (Fig. 2)

4. Attach corresponding templates. (Fig. 2)
DOOR PREPARATION – LAYOUT SELECTION

1285 EXIT DEVICE INSTALLATION

FIG. 3

INTERIOR VIEW
ACTIVE STILE

Clearance holes
Drill for 8-32 FHMS

39-5/8" (1007) To Bottom
of Door from this line

FIG. 4

INTERIOR VIEW
INACTIVE STILE

Drill and Tap
For a 1/4"-20
Machine Screw

1285
INACTIVE PAD
MOUNTING INSIDE
FACE

NOT TO SCALE
DOOR PREPARATION – LAYOUT SELECTION
1285 EXIT DEVICE INSTALLATION AND OPTIONAL MOUNTING PAD WITH LOCK CYLINDER

FIG. 5

INTERIOR VIEW
ACTIVE STILE

FIG. 6

EXTERIOR VIEW
ACTIVE STILE

NOT TO SCALE
DOOR PREPARATION – LAYOUT SELECTION

1285 EXIT DEVICE INSTALLATION AND OPTIONAL EXTERIOR TRIM WITH LOCK CYLINDER

FIG. 7

10-941-1 REV. L Templates from Box

FIG. 8

10-1036 REV. B Templates from Box

8500LV-02 Outside Trim with Flat Lever Shown. 8500LV-01 Outside Trim with Round lever Similar.
DOOR HARDWARE INSTALLATION (CONTINUED)

INSERT ROD AND CASE (ALL MODELS)

1. Insert the panic device rod and case assembly into active stile (Fig. 9).

2. Align actuator pin through the slotted cut-out on interior face of stile, fastening with (2) 8-32 x 1/4" Socket Head Cap Screws (Fig. 10).

3. Adjust top and bottom bolt guides, to extend 1/2" (12.7) past the frame on both top and bottom stiles.

4. Install the top bolt guide assembly with (2) #10 x 1/2" FH self threading screws at both the top of active door stile. Two holes face of interior side of stile.

5. Install the bottom bolt guide assembly with (2) #10 x 1/2" FH self threading screws at the bottom of active door stile. Two holes face of interior side of stile.
DOOR HARDWARE INSTALLATION (CONTINUED)
INSTALL OPTIONAL MORTISE CYLINDER LOCK AND MOUNTING PAD

NOTE: Lock and mounting pad must be installed before exit device.

1. Insert Mortise DL2170 into Mounting Pad 30821J and secure with Lock Ring.

2. Attach to exterior Active Stile with (2) #8-32 x 2" FHMS Philips screw as shown on (Fig. 11).
DOOR HARDWARE INSTALLATION (CONTINUED)
INSTALL OPTIONAL MORTISE CYLINDER LOCK AND EXTERIOR TRIM

NOTE: Exterior trim must be installed before exit device.

1. Attach exterior trim with (2) #10 x 2-1/8" FHMS as shown on (Fig. 12).
DOOR HARDWARE INSTALLATION (CONTINUED)

INSTALL 1285 EXIT DEVICE

1. Attach panic exit device to door with (A) (2) 10-32 x 7/8" FHMS on active stile and (B) (1) 1/4"-20 x 1/2" PHMS at end cap bracket on inactive stile as shown (Fig. 13).
DOOR HARDWARE INSTALLATION (CONTINUED)

ADJUST TOP AND BOTTOM ROD BOLTS

Retract the top guide rod bolt by turning clockwise with adjustment tool. Repeat the procedure for the bottom guide rod bolt. Both should be flush or slightly below the stile end.

**FIG. 14**

- Rod Bolt must be flush or slightly below top of stile before installing door.
- Rod bolt must be flush or slightly below bottom of stile before installing door.
- Use Guide Rod Bolt adjustment tool provided
DOOR INSTALLATION

1. After Rod Bolts are adjusted (retracted). Depress the handle and Dog in the closed position.

2. Install the door and attach to closer if required.
FRAME PREPARATION

HEADER AND THRESHOLD PREPARATION

**WARNING:** Hump Strike Plate must be used for proper operation.

**NOT TO SCALE**

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**FRAME PREPARATION**

**HEADER**

- **Adjusting Screw**
- **"Hump Strike Plate required**
- **Top guide with Trip Release slide.**
- **NOTE:** Check Trip Release for free movement after installation.

**ACTIVE STILE**

- **(2) #8-32 x 1/4" SHCS**
- **(2) #8-32 x 2" FH Screw**
- **NOTE:** Flat surface of Rod Bolt must face outward (Parallel to Door Stile) after final adjustment.

**INACTIVE STILE**

- **(2) #8-32 x 3/8" SMS**
- **Self Tapping**
- **1/4"-20 x 1/2" PHMS**
- **Panic Touch Bar**
- **Dogging Access Hole**

**INTERIOR**

- **(2) 8-32 x 3/8" FHMS**
- **8-32 x 1-1/4" SHCS**
- **12-24 x 1-1/4" (32) Fillister HD MS**

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**EXTERIOR**

- **Bolt Guide (Bottom)**
- **Strike Plate**
- **Rod End Hex adjusting tool Provided.**

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**FIG. 16**

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**NOT TO SCALE**

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GUIDE ROD BOLT FINAL ADJUSTMENT

1. With the panic device fully depressed, turn bottom Guide Rod Bolt clockwise to extend downward past bottom edge of the door. With rod adjustment tool, set rod height at 1/16" above bottom strike plate. In a fully closed and relaxed panic condition, rod guide should extend 3/8" into threshold strike.

2. With panic bar fully depressed, adjust the top Guide Rod Bolt 1/16" and not to exceed 1/8" gap from header. In a fully closed and relaxed panic condition the top of upper rod bolt will extend into header 3/8".

NOTE: Turn Top and Bottom Guide Rod Bolts using the included wrench so that a flat surface is Parallel with Door Face.
DOGGING INSTRUCTIONS

TO DOG:  Insert 1/8" Hex Dogging key (Cat No. 302796) turn key clockwise until it stops. Press push bar, key releases, pull key out.

TO UNDOG: Insert Hex Dogging key, turn clockwise until it stops, push bar will release. Pull key out. Refer to (Fig.18).

FIG. 18
### PACKAGED PARTS AVAILABLE

<table>
<thead>
<tr>
<th>Assem. No.</th>
<th>Part No.</th>
<th>Description</th>
<th>Assem. No.</th>
<th>Part No.</th>
<th>Description</th>
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<tr>
<td>1</td>
<td>302652</td>
<td>Base End Cap Pkg.</td>
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<td>30320</td>
<td>Bottom Bolt Guide Assembly</td>
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<td>2</td>
<td>302669</td>
<td>LHRB - Actuating Lift Assembly</td>
<td>12</td>
<td>302452J</td>
<td>Standard Rod and Case Assembly 7/0</td>
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<td>302675</td>
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<td>301347</td>
<td>Top Rod Extension - 12&quot;</td>
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<td>3</td>
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<td>Top Rod Extension - 24&quot;</td>
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<td>13</td>
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<td>5</td>
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<td>Push-Pad End Cap Pkg.</td>
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<td>301552PKG</td>
<td>Rod Silencer (12 Pkg.)</td>
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<td>302674</td>
<td>Base Cover Plate - Ribbed</td>
<td>Not Shown</td>
<td>30PBAW</td>
<td>Bolt Adjustment Wrench (2 Pkg.)</td>
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<td>6</td>
<td>30267448</td>
<td>Base Cover Plate - Ribbed</td>
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<td>302796</td>
<td>Dogging Hex Key Pkg. (2 Pkg.)</td>
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<td>Base 1085 Retrofit Hardware Package</td>
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<td>Top Bolt Guide Assembly</td>
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