



SASHWAY WINDOWS & DOORS

CASCADE LINE

800 Series Thermal-Break Aluminum bi-fold door

INSTALLATION GUIDE

CASCADE 800 SERIES · INSTALLATION GUIDE · 2026

01

BEFORE YOU BEGIN

This guide covers the installation of the Cascade line 800 Series bi-fold door in **all configurations and sizes**. Steps are identical for every panel count — simply repeat the panel steps for each additional panel.

SAFETY

- Two-person lift minimum. Panels are glazed and heavy.
- Wear cut-resistant gloves and eye protection.
- Never lean panels against glass edges; store upright on padded blocks.

TOOLS REQUIRED

- Drill/driver with 7/16" and 1/4" drill bits
- Level (4 ft recommended) and tape measure
- Rubber mallet and hex keys
- Construction adhesive, waterproofing sealant, and shims

IN THE BOX

- Frame kit — top track, bottom track, left jamb, right jamb
- Door panels (count per your order)
- Roller/guide set — pre-fitted or loose, per configuration
- Hinge screw pack, handle set, plastic hole caps, fasteners, magnetic door catch

SITE CHECK

- ☐ Rough opening ready, clean, and dry
- ☐ Floor level across the full width of the opening
- ☐ Sill area sealed before the frame goes in

WORK FROM THE HINGE JAMB TOWARD THE STACKING SIDE · PANELS NUMBER #1 → #N · FOLLOW THE CONFIGURATION DRAWING SUPPLIED WITH YOUR ORDER

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PREPARE THE OPENING

Installation of bi-fold door is only as good as its opening. Make sure to follow these guidelines

ROUGH-OPENING REQUIREMENTS



OPENING CHECKLIST

- ☐ Rough opening width = overall frame width + 1/2" (1/4" clearance per side).
- ☐ Rough opening height = overall frame height + 1/4" at the head, the sill sits at 0" on a level floor.
- ☐ Verify the floor is level across the full width of the opening.
- ☐ Apply a continuous waterproofing sealant around the sill area.
- ☐ Clean the opening and remove any debris or uneven material.

TIP

Proper preparation ensures smooth installation and long-term performance.

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FRAME ASSEMBLY

1 IDENTIFY THE FRAME PIECES

Identify the frame pieces by their letter markings: T = top track · B = bottom track · L = left jamb · R = right jamb. The label side faces the interior of the opening. (Markings: IN/R, IN/L, IN/TOP.)

2 INSERT THE ROLLERS — BEFORE JOINING THE FRAME

Insert the rollers into the top track slot before connecting the side jambs. Roller count and positions vary with panel count — follow the layout sheet supplied with your door.

3 CONNECT THE CORNERS

Connect the frame corners and tighten all screws evenly until no gaps remain between the frame pieces.



FIG. 1 Frame piece markings — Label side faces the interior

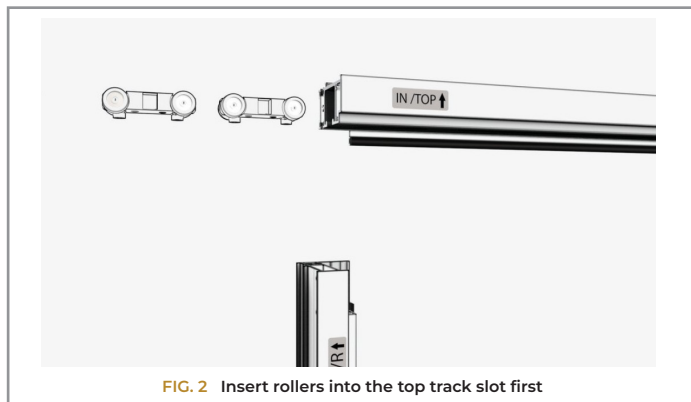


FIG. 2 Insert rollers into the top track slot first

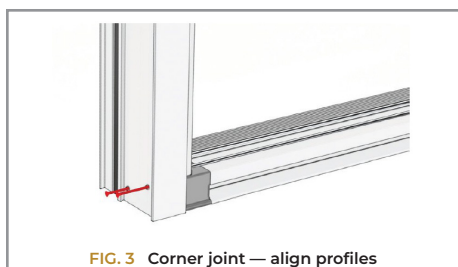


FIG. 3 Corner joint — align profiles

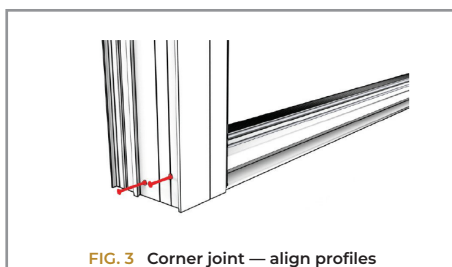


FIG. 3 Corner joint — align profiles

TIP

Tighten corner screws gradually in rotation — do not fully tighten one corner before the others.

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FRAME INSTALLATION

1 ADHESIVE UNDER THE BOTTOM TRACK

Apply construction adhesive under the bottom track for strong adhesion and waterproofing.

2 DRILL THE INSTALLATION HOLES

Side jambs: 3–4 holes each, 6" from top and bottom, spaced evenly. **Top track:** 3–4 holes spaced evenly across.

Hole size: 7/16" on the cap side (first layer); 1/4" for the remaining layers.

3 SET, SHIM, AND SECURE

Set the frame into the opening, shim plumb and level, then secure with the provided screws. Re-check level after tightening.

4 CAP THE HOLES

Cover all visible holes with the plastic caps for a clean finish.

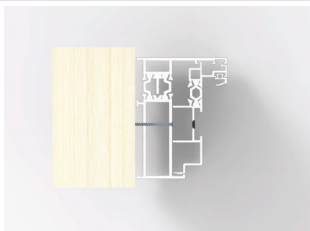


FIG. 5 Profile section — fastener position through the frame

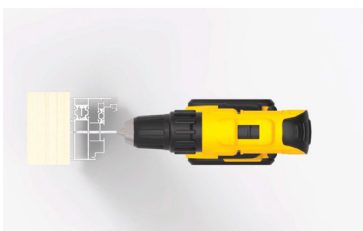


FIG. 6 Drill the cap side (first layer) at 7/16"

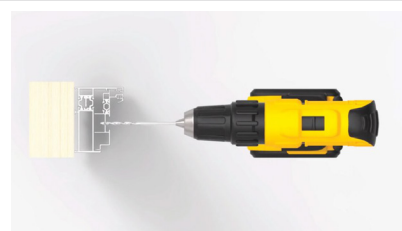


FIG. 7 Drill the remaining layers at 1/4"

TIP

Drill from the cap side so the larger 7/16" holes face the visible surface — the plastic caps fitted in Step 4 cover them for a clean finish. Shim at each fixing point so the frame stays plumb as the screws tighten.

03

DOOR PANEL INSTALLATION

Panels install the same way whether your door has two panels or seven. Numbering starts at the hinge jamb (Panel #1) and runs toward the stacking side.

1 FIRST PANEL — PANEL #1 TO THE JAMP

Locate Panel #1 and attach it to the frame jamb with the hinge screws.

2 SECOND PANEL — PANEL #2

Locate Panel #2 (connectors on both sides). Set the bottom wheel onto the track first, then insert and secure the top guide into the top track connector. Connect Panel #2 to Panel #1 with hinge screws; tighten evenly for smooth movement and correct alignment.



FIG. 8 Panel #1 attaches to the frame jamb with hinge screws

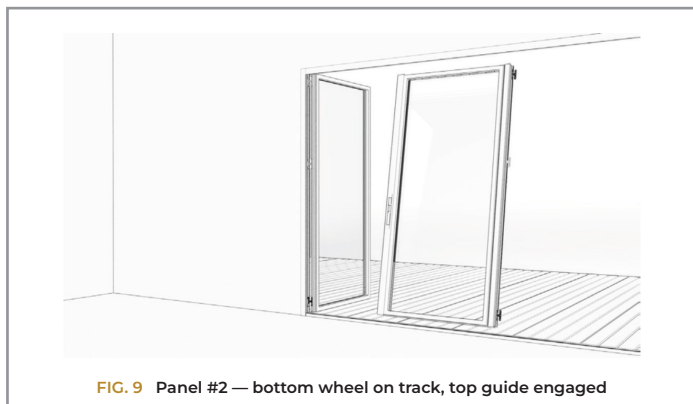


FIG. 9 Panel #2 — bottom wheel on track, top guide engaged

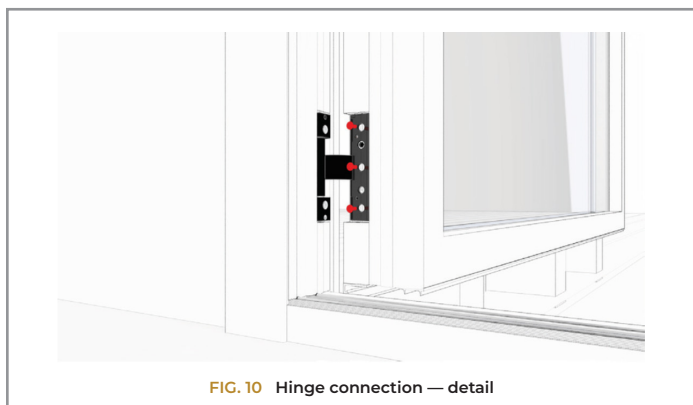


FIG. 10 Hinge connection — detail

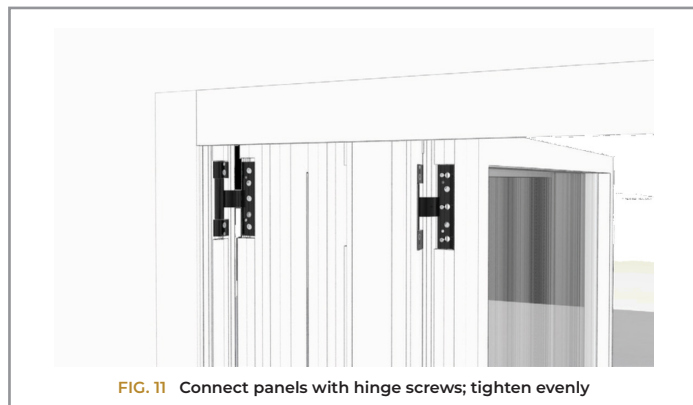


FIG. 11 Connect panels with hinge screws; tighten evenly

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PANELS #3 → #N & THE FINAL PANEL

3 INTERMEDIATE PANEL — REPEAT PER PANEL

Connect the next panel to the previous one with hinge screws, bottom wheel in track, top guide engaged. Repeat for each additional panel, if applicable.

4 FINAL PANEL — CONFIGURATION DEPENDENT

Attach the last panel to the opposite side/frame point with hinge screws.

NOTE — ALL CONFIGURATIONS

Doors with an even/odd split or a daily traffic door follow the same sequence — always work from the hinge jamb toward the stacking side. Your order's configuration drawing shows the exact panel map.



FIG. 12 Intermediate Panel — hinge to previous panel

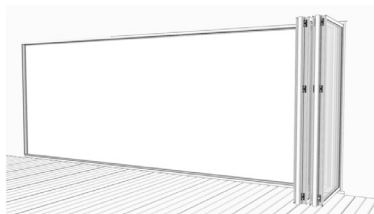


FIG. 13 Final panel to the opposite frame point

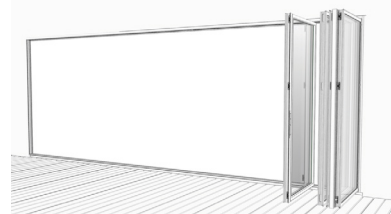


FIG. 14 All panels installed — stacked view

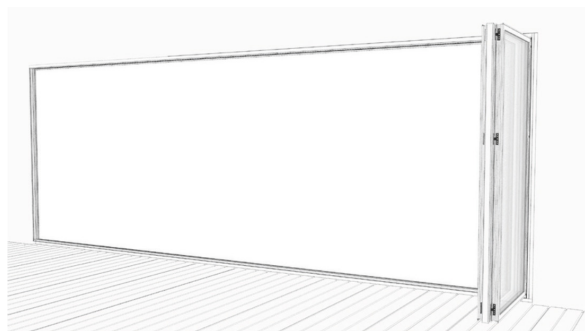


FIG. 15 Folding sequence — panels beginning to stack

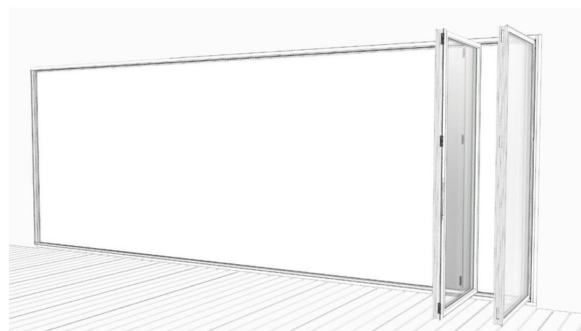


FIG. 16 Folding sequence — fully folded to the stacking side

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HARDWARE

HANDLE INSTALLATION

- Install the main lever handle on the locking/traffic panel.
- Fit the hidden flush-pull handles on the folding panels — the locking function engages automatically when lifted, driving the top and bottom bolts.
- Verify every handle operates freely and engages its keepers.

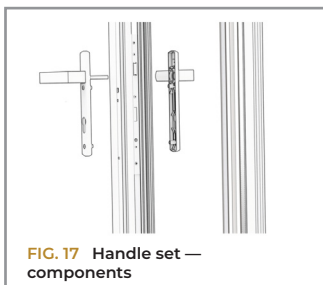


FIG. 17 Handle set — components

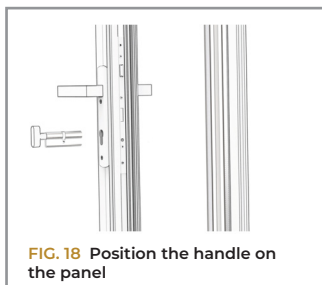


FIG. 18 Position the handle on the panel

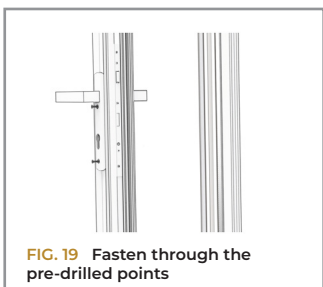


FIG. 19 Fasten through the pre-drilled points

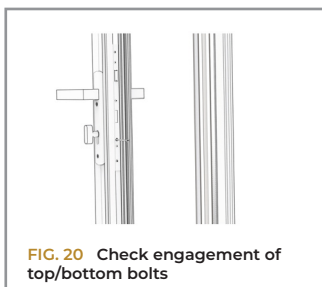


FIG. 20 Check engagement of top/bottom bolts

TIP

Test the locking action on every panel before handover — lift, engage, and release each handle through its full travel. The hidden flush-pull handles drive the top and bottom bolts automatically when lifted.



FINISHED LOOK
Lever handle installed on the traffic panel



FINISHED LOOK
Flush-pull and lever handles, installed

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FINAL ADJUSTMENTS & HANDOVER

FINAL CHECKS

- ☐ Open and close the door several times to confirm smooth, quiet operation across the full travel.
- ☐ Check all hinge connections and wheel alignment; adjust the roller height screws if a leaf runs high or low.
- ☐ Confirm the frame remains square and level.
- ☐ Clean all surfaces and remove protective film.

CARE & MAINTENANCE

- Keep tracks free of grit and debris.
- Wipe frames and glass with a damp cloth.
- Lubricate rollers and hinges annually with silicone spray.
- Do not use abrasive cleaners on powder-coated or glass surfaces.

HANDOVER

Walk the homeowner through opening, folding, stacking, and locking the door, and leave this guide with them for future care and adjustment reference.

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