



installation guide

Series 600 90-Degree Multi-Slide Door stacking (non-pocketed)

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things to know before you start

- ▶ Door panels should be stored and transported upside down to avoid damage to the bottom rail extension
- ▶ Multi-slide doors are custom manufactured and are specific to each application
- ▶ Prior to installation, review the instructions and any drawings supplied
- ▶ Failure to follow these instructions may result in poor performance features including operation, security, and weatherproofing
- ▶ The Series 600 is a finished product that must be protected before, during, and after installation to prevent damage to the glass, frame finish, and hardware
- ▶ The flush and water barrier sill tracks are supplied with individual track protectors that should be removed prior to assembly
- ▶ Upon installation of the doors, track protectors can be cut to length and re-installed to allow for specific panel operation or no panel operation
- ▶ Supplied components will vary depending on the configuration
- ▶ Before installation, inspect the components and confirm that there is no damage
- ▶ Damaged or missing parts should be reported to your supplier immediately

frame components and installation

Frame components: Each door will have two head assemblies, two threshold assemblies, and two jamb assemblies.

Frame installation:

1. Inspect the rough opening carefully to ensure it has been properly prepared to accept the configuration size you are installing.
2. If the floor condition is wood, protect it with an appropriate flashing or waterproofing material prior to door frame installation.
3. Check the floor to see that it is flat and level. If the floor varies more than .0625"(1/16") per foot or a total of .25" (1/4") over the entire width of the opening, it must be corrected before proceeding.
4. Determine the top inside of the threshold assembly by the holes in the weatherstrip channel. Position the threshold on the floor in the approximate location, making sure the inside edge of the threshold is properly aligned with the structure.
5. Using a quality sealant, butter the corner connection and fit both sections together using the angle clips as a guide.
6. Measure for a true 90-degree angle and verify reveals at both jambs. Fasten together at angle clips using No. 8 x 1/2" flat-head screws at pre-drilled locations.

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frame components and installation continued

7. Inspect the threshold assembly where it meets the surface of the floor. Check for and mark any gaps that need to be levelled or shimmed prior to final anchoring. The final installation must result in the threshold being level and supported continuously for proper operation.
8. Once the threshold assembly is in the correct location, inspect the header to confirm the head assembly can be installed directly above it at the proper height. Mark the inside edge full length and across each end to locate the inside corners. There are installation holes in the weatherstripped channel of each additional track that align with the countersunk holes. Beginning with the holes in the inside track, mark the floor through each hole and remove the threshold assembly from the opening.
9. If the floor condition is concrete, drill .25" (1/4") installation holes at each marked location approximately 2" deep and insert one of the green plastic anchor plugs supplied. (NOTE: If you choose to drill the installation holes through the threshold assembly in lieu of drilling them after it's removed, vacuum debris from the weatherstripped channel to avoid contamination of the weatherstripping and roller assemblies.)
10. If the floor is wood with flashing or waterproofing on concrete, apply a generous amount of the appropriate sealant at each mark where the installation screws will penetrate the flashing.
11. Apply a .50" (1/2") wide by .50" (1/2") high bed of sealant on the floor along the exterior side of the mark, from jamb to jamb, and from the inside corners across the end to the outside edge of where the threshold assembly will be. Run a full bead of sealant at the 90-degree corner point from the inside of the track to the outside. Inspect the sealant to ensure a complete water barrier has been accomplished across the full width of the opening.
12. Using the marks on the floor, set the threshold assembly back in place. Shim as required and proceed with anchoring. Use No. 10 X 2.5" flat-head screws, finished to match the frame color, to anchor the inside track, and No. 10 X 2.5" flat-head screws in the weatherstripped channels.
13. Using a quality sealant, butter the corner connection of the head assemblies and fit both sections together using the angle clips as a guide. Measure for a true 90-degree angle and fasten together at angle clips using No. 8 x 1/2" pan-head screws at pre-drilled locations.
14. Inspect the opening header to confirm that it's ready to receive the door head assembly and that there is sufficient backing for anchoring. Based on the net frame height shown on the shop drawings, determine if additional material needs to be added to the header to minimize shimming.
15. Using a plumb bob or extension level, project a sufficient number of points onto the structure above to locate the head assembly directly above the threshold assembly. Raise the head assembly into position and temporarily anchor using No. 10 X 2 1/2" flat-head screws through the pre-drilled holes to hold it safely.
16. Seal the pre-drilled holes in the threshold end plates using 100% silicone or an equivalent. Raise or lower the head to align the holes in the jamb with the holes in the end plates and anchor using No. 12 X 3/4" screws. Shim the lock jambs as required to ensure they will be plumb, and anchor to the structure through the additional holes using No. 10 X 2.5" screws.
17. Complete the jamb assembly by placing the jamb filler into the jamb. With a non-marring mallet and plastic block, lightly tap it into place.
18. Complete the anchoring of the head assembly to ensure that it is flat, level, and parallel with the threshold.

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panel components and installation

Panel components: The number of operating panels will depend on the configuration of the door you are installing. Familiarize yourself with the drawings to determine how many intermediate panels you have. You will have two lead panels both installed on the extreme inside track. The one that contains the lock mechanism is the active panel and will be installed to the right of the miter, as viewed from the outside of the building. Fixed panels have no rollers. Intermediate panels will have two interlock stiles.

Rough openings should be flashed with an appropriate moisture barrier in accordance with industry standards, building codes, and the AAMA Installation Masters Program in weatherboard fashion.

Panel installation:

1. Locate and remove the black foam blocks from the head channels. The blocks are approximately 1" X 1" X 1.75" and there will be one in each intermediate panel channel. Temporarily set them aside. They will be reinstalled when the panel installation is complete.
2. Each panel is marked with the unit number and identified as a lead, intermediate, or fixed panel.
3. Locate the lead panel. There will be two lead panels. The active panel, the one that contains the lock mechanism, will be installed first on the right side of the extreme inside track. From the outside of the building, with the bottom rail vinyl to the outside, lean the top of the panel in, insert into the extreme interior head track, and lower onto the threshold.
4. Remove weight from the roller assembly. Using a medium-sized Phillips head screwdriver on the middle screw at the bottom of each stile, adjust the rollers to achieve a dimension of approximately .375" (3/8") from the bottom of the stile to the top surface of the threshold. Roll the panel towards the lock jamb to view the vertical gap between the panel and jamb. Make final roller adjustments so the gap is consistent from top to bottom.
5. Locate the intermediate panel that is to be installed directly adjacent to the lead panel. From the outside of the building, with a portion of the panel overlapping the interlocker of the lead panel, insert the top into the next head track and lower onto the threshold. Repeat the same process with the remaining intermediate panels. Temporarily adjust the rollers on the active panels so that they roll freely.
6. Fixed panels will go in last. Refer to the accompanying drawing for details. Confirm panels lock together prior to final anchoring of the fixed panel.
7. Make final adjustments to the panel rollers to achieve optimum alignment throughout the entire door.
8. To remove excessive slack, open the sliding panel and adjust the lock using the slotted adjusting screw in the center of the lock.
9. With the door in the fully closed position and from the exterior of the building, reinstall the black foam blocks (from the first installation step) up into the head channels against the small black plug to close the head channel gap above the panel.
10. Seal the bottom of the fixed panel to the threshold on the exterior side. Seal the interior side of the threshold to the floor from jamb to jamb. Seal the exterior of the doorframe at the head and jambs. Do not seal the exterior of the threshold. The weep slots on the exterior of the threshold must remain open.

Congratulations, the door installation is complete.

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multi-slide fixed panel installation

1. Position the adjacent rolling panel to allow the fixed panel to overlap it when the jamb stile of the fixed panel is within a few inches of the fixed jamb.
2. Insert the top of the fixed panel into the outside head channel and swing the bottom in until the panel is vertical. Lower onto the surface of the threshold. The fins protruding from the bottom of the fixed panel will align the panel (fig. 1).
3. Slightly lift the interlock side of the panel to avoid scratching the threshold and slide it all the way into the fixed jamb.
4. After completing all door adjustments, install a No. 8 X .75" self-tapping screw into the head and through the top rail of the panel (fig. 2). The self-tapping screw should penetrate the head through the weatherstrip channel and angle upward to penetrate the top rail of the panel. Position this anchor point approximately 6" from the edge of the jamb. (NOTE: It may prove beneficial to drill 1/8" hole into the weatherstrip channel prior to running the self-tapping screw into the top rail of the panel.)

