Assembling a Sliding Patio Door

How to check your opening, put the frame together and hang the panels of a Pease 2 panel sliding patio door. The door arrives flat-packed in three kits. **Plan on two people**: the glass panels are heavy.

What you'll need

- Level, measuring tape and square
- Rubber mallet
- Robertson (square drive) screwdrivers, #1 and #2
- Phillips screwdrivers, #1 and #2
- Flat head screwdriver
- Utility knife
- Caulking gun, to seal the frame to the wall

What's in the boxes

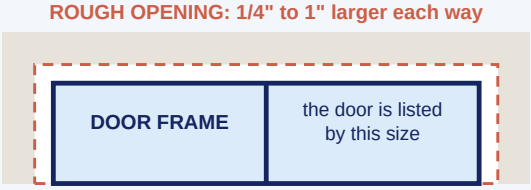
- **Frame kit:** the head, the sill and two jambs, the meeting rails, the fixed panel support (if it is not already on) and the hardware bags
- **Sliding panel kit:** the panel that slides, and the screen if you ordered one
- **Fixed panel kit:** the panel that stays put
- All the screws are in the hardware bags. The frame pieces are pre-drilled.

Work safely. Never work alone, and lift with two people. Handle the glass with care: broken or cracked glass can cause severe injury. Wear safety glasses and gloves. If you are removing an old door from a house built before 1979, the paint may contain lead: see epa.gov/lead. **Read every step before you start:** a door that is not installed to these instructions may not be covered by the warranty.

Before you build

Check the opening first

The door is listed by the outside size of its frame. Your rough opening (the framed hole, stud to stud and floor to header) must be 1/4" to 1" larger than the frame in width and in height. Measure before you take the old door out.



Not to scale.

Which way does yours open?

Stand outside, facing the door. **O** is the fixed panel and **X** is the panel that slides. Your order says which you have. Check it before you build the frame.



Seen from outside the house. Not to scale.

Rough opening for each size

Door	Frame size (width × height)	Rough opening width	Rough opening height
5 ft x 6 ft 8 in	59-1/2" × 79-1/2"	59-3/4" to 60-1/2"	79-3/4" to 80-1/2"
6 ft x 6 ft 8 in	71-1/2" × 79-1/2"	71-3/4" to 72-1/2"	79-3/4" to 80-1/2"
8 ft x 6 ft 8 in	95-1/2" × 79-1/2"	95-3/4" to 96-1/2"	79-3/4" to 80-1/2"
5 ft x 8 ft	59-1/2" × 95-1/2"	59-3/4" to 60-1/2"	95-3/4" to 96-1/2"
6 ft x 8 ft	71-1/2" × 95-1/2"	71-3/4" to 72-1/2"	95-3/4" to 96-1/2"
8 ft x 8 ft	95-1/2" × 95-1/2"	95-3/4" to 96-1/2"	95-3/4" to 96-1/2"

The frame

1. Lay out the frame

Work on a flat, clean surface close to the opening. Find the four pre-drilled frame pieces: the head, the sill and the two jambs (the jambs have wood inside).

The head and the sill come with a foam pad already in place. Leave it on.

2. Screw the frame together

Join the jambs to the head and to the sill with the **#8-10 × 2-1/2"** screws, 6 screws at each corner. Always drive these screws horizontally.

When all four corners are done, fit the jamb foams.

3. Set the frame in the opening

Stand the assembled frame in the opening. It must sit **level, plumb and square, with no twist**, and the right way up. A frame that is out of square, twisted or not vertical is not covered by the warranty.

Seal the frame to the wall so water cannot get behind it. If the siding or trim around the opening was damaged when the old door came out, repair it first, and make sure the framing of the opening is sound.

The fixed panel

4. Put in the fixed panel

Install the cavity cap on the fixed panel support.

Slide the fixed panel in with its inside face toward the room. Seat it fully at the base of the frame. The reinforced edge goes at the **center of the door**, not against the jamb.

5. Fasten it top and bottom

Top: slide the head fixing block in above the panel. Screw it to the panel with the **#8 × 1"** screw first, then to the frame with the **#8 × 2-1/4"** screw.

Bottom: fix the bottom of the panel with the **#8 × 3"** screw. Then drive the **#6 × 1"** screw inside the weatherstrip, in line with the bottom of the glass.

6. Fit the fixed meeting rail

The meeting rail with no cut-outs in it belongs to the fixed panel.

Set its top and bottom first, flush with the top and bottom of the panel. Then press the rest in, starting at the bottom and working up.

7. Dust plug, threshold and foam

Fit the dust plug in the interlock, under the meeting rail. Then install the threshold.

Place the square foam pad at the head and the U-shaped foam pad at the sill, with its slope toward the outside. Both go on the side that opens.

Install the exterior cavity filler.

The sliding panel

8. Hang the sliding panel

Lift the sliding panel into the frame with its inside face toward the room. Put the head of the panel in first, then lower the bottom onto the sill.

9. Set the rollers

Turn each roller adjuster counter-clockwise to its lowest setting, then clockwise to the third position.

Check that the panel is square with the frame and adjust if it is not. Then fit the finishing plugs on the sill and on the head.

10. Fit the sliding meeting rail

Install the meeting rail on the sliding panel, starting at the top. It must be flush with the top of the panel.

Push the finishing caps onto the rail: the cap with the U-shaped opening at the bottom, the square cap at the top. **Hand pressure only. Do not use a mallet.**

11. Bumper, weatherstrip and filler

Install the bumper on the fixed panel.

Close the sliding panel. Fasten the pile weatherstrip above the point where the two panels interlock, with the **#8 × 3/4"** screw.

Install the interior cavity filler.

Handles and screen

12. Fit the handles

Install the outside and inside handles on the sliding panel with the two white **#8 × 2-3/16"** screws. Check that the latch works before you tighten the screws.

13. Hang the screen

Stand outside. Lift the screen into the sliding rail at the head, with its black weatherstrip facing the house, and rest it on the outer aluminum rail of the sill.

Slide the screen and check that it lines up with the jamb. Adjust the lower rollers with the adjusting screws at each end of the screen. Then install the screen keeper.

Watch it done. A 6 minute video of these steps is on the sliding patio door page at peasedoors.com. The maker's printed instructions, with a drawing for every step, are in the jamb box.

If something doesn't fit

Stop before you force anything, and before you drill or cut. A photo helps us see what you see.

Call or text us at **513-871-8907**, Monday to Friday, 9 AM to 5 PM ET. More help at peasedoors.com.