

Armor Flex™



Low-E Patio Pet Door
Installation Manual

Power Pet, Regular Height, Patio Door Assembly Steps

STEP 1: Assemble the tools you will need:

1. Size #1 Phillips screwdriver
2. Electric drill
3. #32 (.117") drill bit
4. 3/32" drill bit
5. 1/4" drill bit
6. Scissors
7. Tape Measure
8. Pencil
9. Safety Glasses



Figure 1

Power Drill

STEP 2. Unpack your door

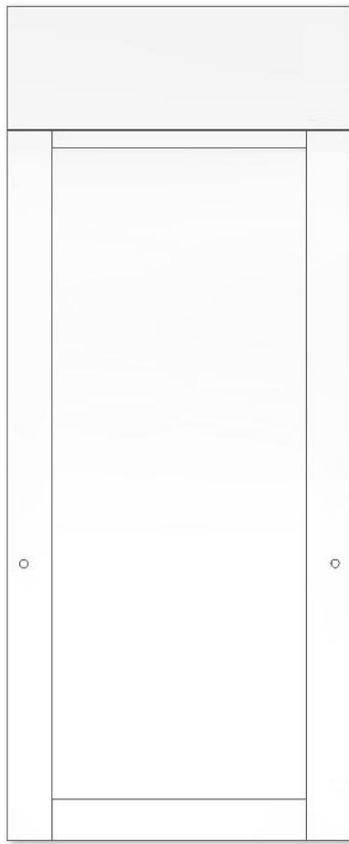
Remove all parts from box. Plastic corner protectors may be discarded.

STEP 3: Lay Out All Included Parts

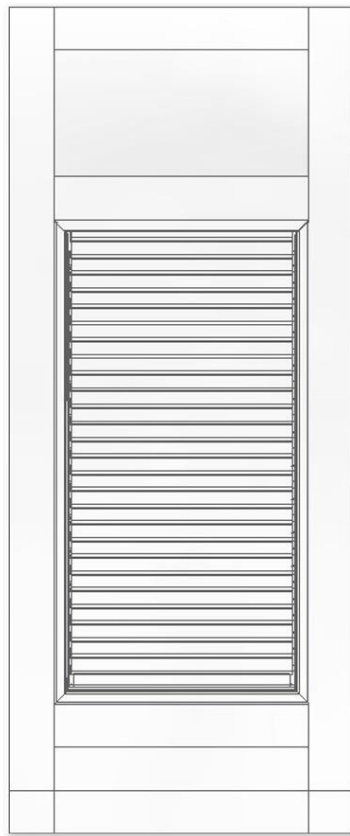
Your door contains all of the parts shown in Figures 3A and 3B and listed below.

1. Bottom Panel Assembly with PX-2 Power Pet Door
2. Top Panel Assembly
3. Security Panel
4. Weather Stripping
5. Draft Stopper Seal
6. Section Connectors (2)
7. Door Lock Housing (1)
8. Lock Handle (1)
9. Lock Hasp
10. House Lock Tab (2)
11. Vacation Lock (1)
12. Rectangular Hole Plug (1)
13. Round Hold Plug (2)
14. 1/16 Allen wrench
15. 1/8 Allen wrench
16. 1/4-20 X 1/2 flat head machine screw (8)
17. #8 X 5/8 round head sheet metal screw (4)
18. #6 X 1/2 round head sheet metal screw (6)
19. #4 X 3/8 flat head sheet metal screw (4)





Top Panel Assembly



Bottom Panel Assembly



Security Panel

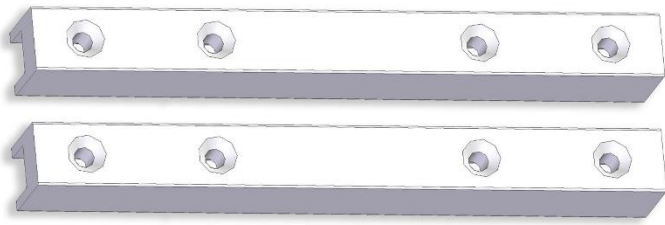


5/8" Weatherstripping

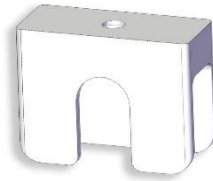


2" Drafter Stopper Seal

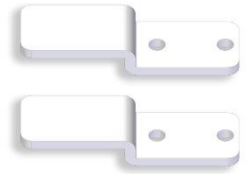
Fig 3A



Section Connectors (2)



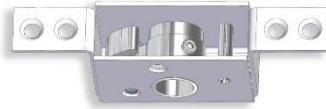
Rectangular Hole Plug



House Lock Tabs (2)



Lock Handle with Plastic Washer



Door Lock Housing



Lock Hasp



Round Hole Plugs (2)



Vacation Lock



1/8" Allen Wrench



1/16" Allen Wrench

Hardware (Shown Actual Size)



1/4-20 X 1/2" Flat Head Machine Screws (8)



#8 x 5/8" Round Head Thread Cutting Screws (4)



#6 X 1/2 Round Head Sheet Metal Screws (6)



#4 X 3/8" Flat Head Sheet Metal Screws (4)

Figure 3B

Basic Door Assembly

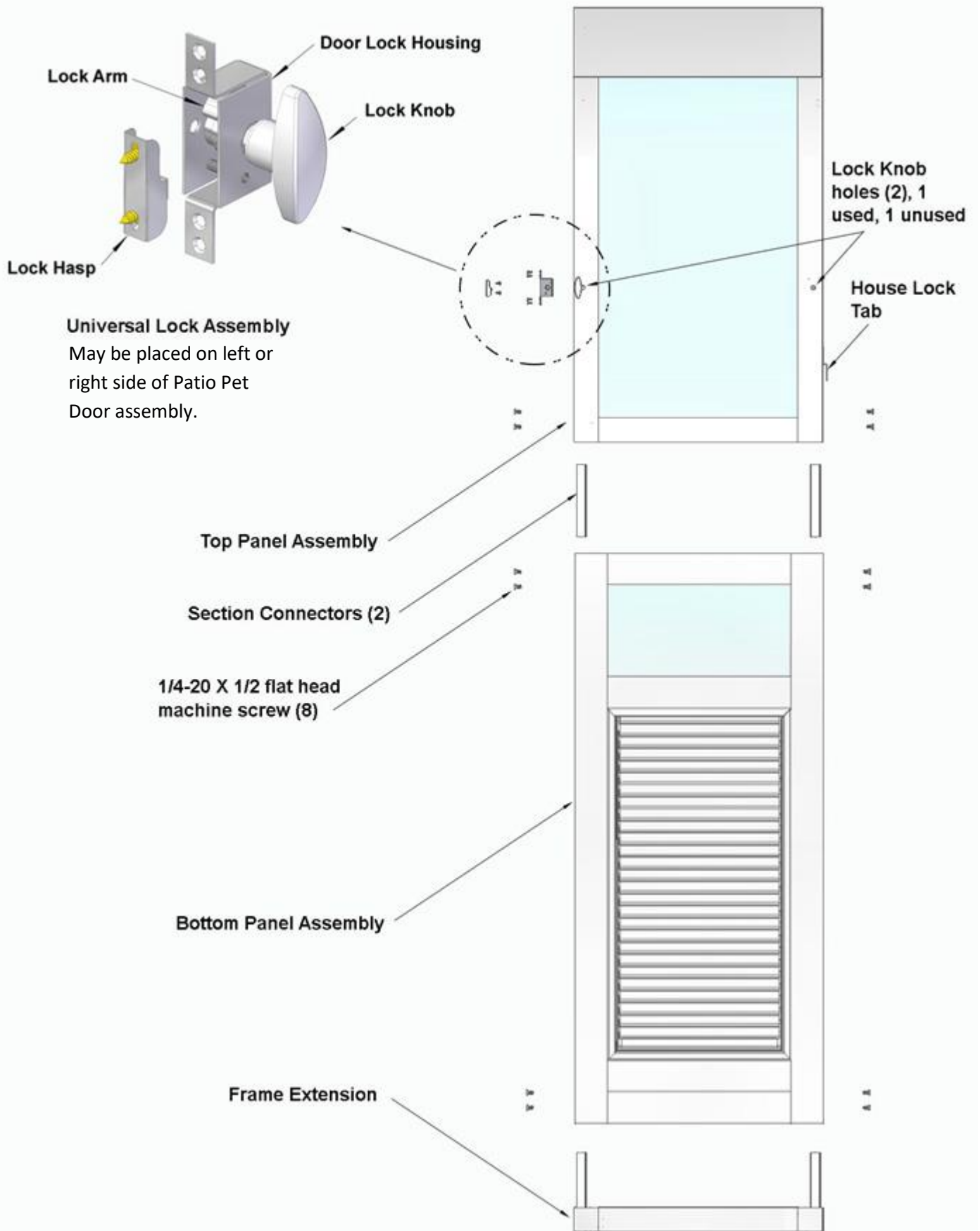


Figure 3C

STEP 4: Determine your patio track height

Measure from the inside bottom of your sliding glass door track to the inside top as shown in Figure 4.

75" – 77"
Remove Riser Extension
(Step 5)

77" – 80 1/4"
Do Not Remove Riser
Extension
(Skip Step 5)

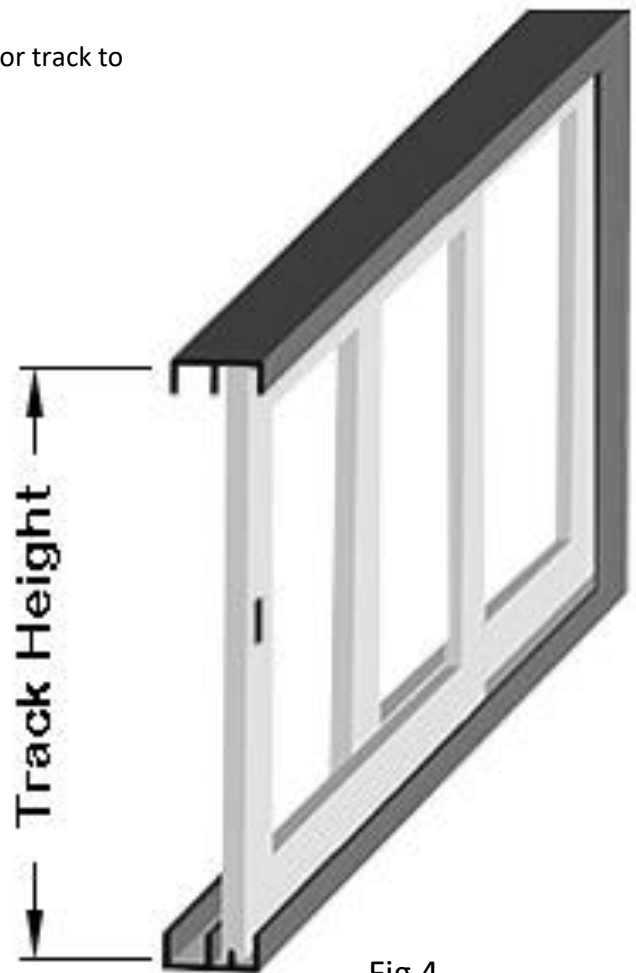


Fig 4

STEP 5: For short installations, remove Riser Extension

If your sliding glass door frame measures between 75" and 77" high, remove the Riser Extension on the Bottom Panel Assembly by unscrewing the connector screws on each side of the Riser Extension as shown in Figure 5. The aluminum Riser Extension may be recycled. For patio doors taller than 77", do not remove the extension.



Fig 5

STEP 6: Insert Section Connectors

Insert Section Connectors on the Bottom Frame Assembly panel using (2) 1/4-20 X 1/2 flat head machine screws for each Section Connector as shown in Figure 6.



Fig 6

STEP 7: Put Top and Bottom Panel Assemblies together

Insert Top Frame Assembly on to Bottom Frame Assembly as shown in Figure 7.



Fig 7

STEP 8: Install Section Connector screws

Screw panels together using (2) 1/4-20 X 1/2 flat head machine screws for each Section Connector. The Top and Bottom Frame Assemblies now form a single Door Panel as shown in Fig 8.



Fig 8

STEP 9: Loosen the Top Slider set screws

Loosen the Top Slider locking set screws on the left and right sides of the Top Panel Assembly using the 1/8" Allen wrench provided. If the Top Slider does not immediately release, push it up by hand so that it slides to its highest position.



Fig 9

STEP 10: Insert the patio pet door into your sliding glass door track



Fig 10A



Fig 10B



Fig 10C

Make sure the lock holes in the Top Frame Assembly are facing the inside of your home. Position the pet door assembly into your sliding glass door frame by first inserting the pet door Bottom Panel into the bottom of your door track so that the Semi-circular grooves in the pet door Bottom Panel are placed over the sliding rail at the base of your sliding glass door track (Fig 10A). Tilt the pet door assembly up. (Fig 10B). pull down on the Top Slider. Insert the Top Slider into the top of your door track and release, allowing it to move up into the top of the track.

STEP 11: Install a House Lock Tab on the Top Panel Assembly

Install a House Lock Tab on the wall side of the pet door by screwing (2) #6 X 1/2" round head sheet metal screws into the pre-drilled holes on the pet door. Position the Tab with the open end pointing downward as shown.

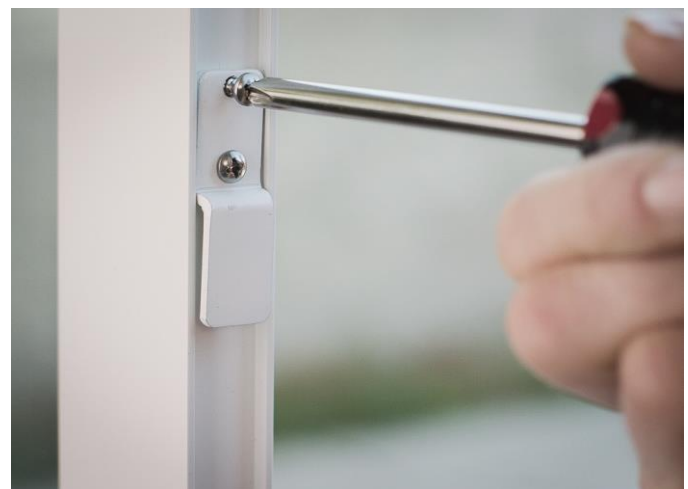


Fig 11

STEP 12: Mark the height of the House Lock Tab on your sliding glass door track

Measure from the sliding rail at the base of your door track to a height of 46 5/8" if you are using the Riser Extension or 44 5/8" if you are not using the Riser Extension. Mark this height on the inside of your door track (Figure 12A). Remove the tape liner from a House Lock Tab and Position the top of the non-drilled end at this mark, as shown in Figure 12B.



Fig 12A



Fig 12B

STEP 13: Drill the Lock House Tab mounting holes in your sliding glass door track

Drill (2) holes into your door track using a 1/16" drill bit.



Fig 13

STEP 14: Screw in the Lock House Tab

Screw the Lock House Tab to your door track using (2) #6 X 1/2" screws.

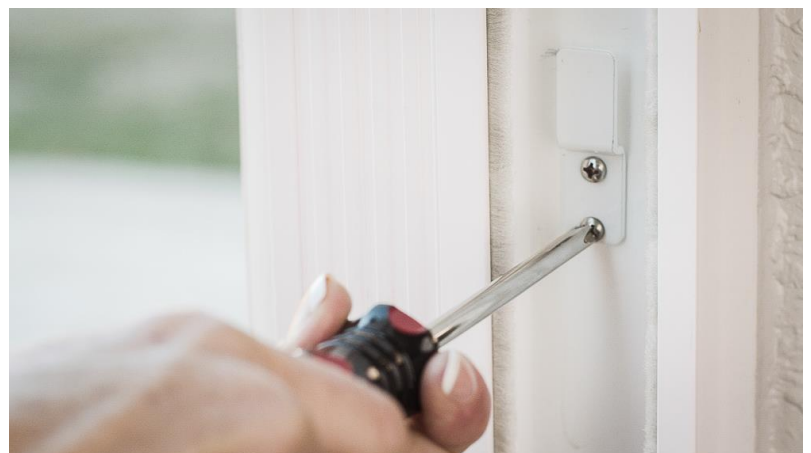


Fig 14

STEP 15: Insert Round Hole Plug(s)

The purpose of the Round Hole Plugs is to fill the unused Lock Knob hole. Lock Knob holes are provided on both sides of the Top Panel Assembly for left and right opening sliding glass doors. When using the Universal Lock Assembly, one Lock Knob hole will not be used. Install a Round Hole Plug in the unused Lock Hole on the side of the pet door assembly which butts against your sliding glass door track. This is the side that does not require the lock. If you chose not to use the Universal Lock Assembly, install a Round Hole Plug in both Lock Knob Holes.

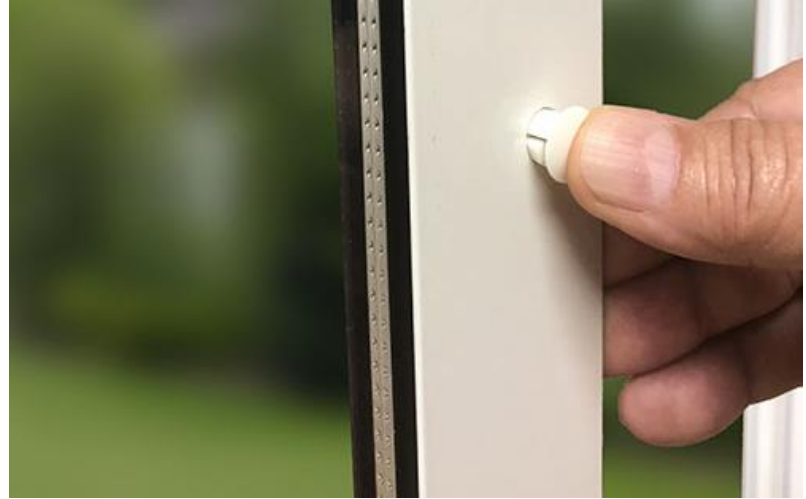


Fig 15

STEP 16: Engage the House Lock Tabs



Fig 16A

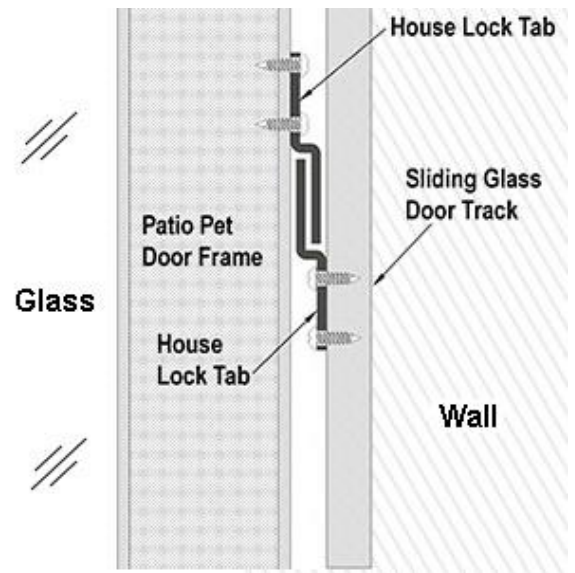


Fig 16B

Slide the assembled pet door so that it butts up against the inside of your sliding glass door track. Firmly grab the pet door from the inside and outside. Lift up and push against the sliding glass door track letting the House Lock Tabs engage each other as the door frame drops into its final position.

STEP 17: Tighten the Top Slider set screw

Once your Door Assembly is in place, you will have access to the Top Slider Set Screw on the side facing your sliding glass door. Tighten the set screw using the 1/8" Allen Wrench. This will lock the Top Slider in place.



Fig 17

STEP 18: Insert Rectangular Hole Plug if you are NOT using the Universal Lock Assembly

If you choose not to use the Universal Lock Assembly, install the Rectangular Hole Plug in the lock cavity on the open side of the assembled door panel. This will allow you to apply weather stripping over the cavity. If you will be installing the Universal Lock, skip this step and proceed to Step 19.

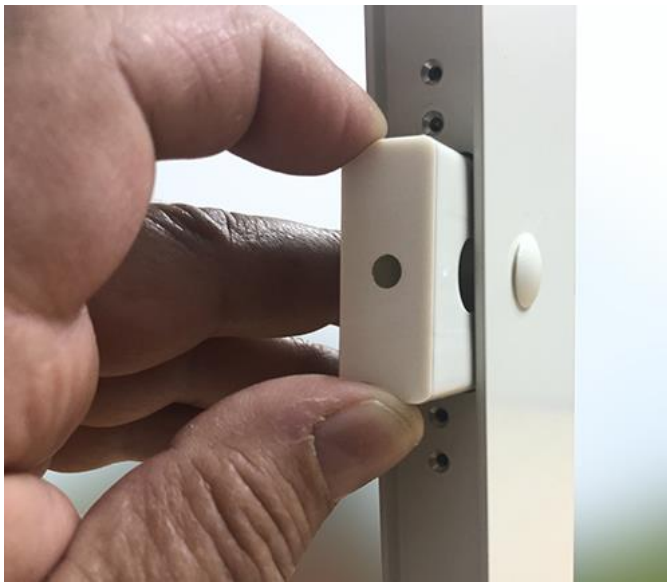


Fig 26A

Installing Rectangular Hole Plug



Fig 26B

Installed Hole Plug gives you a flush surface to apply weather stripping

INSTALLING THE UNIVERSAL LOCK ASSEMBLY

The universal lock assembly allows you to quickly lock your sliding glass door with the patio pet door installed. It requires that you drill 2 small holes in the edge of your sliding glass door.

STEP 19: Insert the Door Lock

Housing

Insert Door Lock Housing on the open side of the assembled pet door panel so that the Lock Arm is in the up position when open as shown in Figure 15.



Fig 19

STEP 20: Install the Lock Knob

Install the Lock Handle so that the handle is vertical when the lock is open (Lock Arm is in up position.) and so that one of the detents in the Lock Handle shaft aligns with the Lock Arm Set Screw. Turning the Lock Handle counter-clockwise should move the Lock Arm to the closed position. If the Lock Knob does not easily insert into the Lock Arm, loosen the Lock Arm Set Screw.



Fig 20

Note that there are (2) detents in the Lock Knob for left and right opening door opening sliding glass doors. Make sure the handle is oriented vertically and that one of the detents aligns with the Lock Arm Set Screw.

STEP 21: Tighten the Lock Arm set screw

Tighten the Lock Arm set screw using the 1/16" Allen wrench provided. Note that there should be a sight gap between the Lock Knob and the patio pet door panel when the unit is assembled correctly.

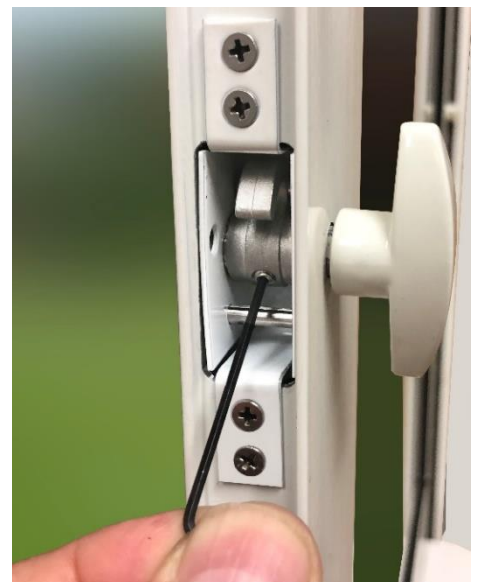


Fig 21

STEP 22: Insert Lock Hasp into the Door Lock Housing

Insert the Lock Hasp into the Door Lock Housing as shown in Figure 22A. Note that it is important that the vertical orientation of the Lock Hasp is as shown in the figure. Turn the Lock Handle counter-clockwise so that the Lock Hasp is trapped in the Door Lock Assembly. Then, remove the protective liner from the tape on the back of the Lock Hasp.



Fig 22A

Insert the Hasp into the Lock Housing as shown



Fig 22B

Turn the Lock Knob counter-clockwise to trap the Hasp



Fig 22C

Remove the tape backing

STEP 23: Transfer the Lock Hasp to your sliding door

Slide your patio door closed so that the Lock Hasp tape makes contact and affixes to the sliding glass door. Turn the Lock Handle clockwise, releasing the Lock Hasp and open your sliding glass door. The Lock Hasp should now be affixed to your sliding glass door.



Fig 23A

Close your sliding glass door so that the tape on the Lock Hasp attaches to your door



Fig 23B

Turn Lock Knob clockwise and open your sliding glass door

STEP 24: Drill Lock Hasp mounting holes

Using the 3/32" drill bit drill (2) holes within the slots of the Lock Hasp.



Fig 24

STEP 25: Screw Lock Hasp to your sliding glass door

Attach the Lock Hasp to your sliding glass door with (2) #6 X 1/2 round head sheet metal screws.



Fig 25

STEP 27: Apply Weather Stripping

Peel the adhesive backing from the first 2 inches of the weather stripping. Starting at the bottom, apply the weather stripping to the inside edge of the open side of the assembled door panel removing the adhesive backing as you move up.

If using the Universal Lock Assembly, cut at the bottom of the lock and restart above the lock.

Continue to the top of the Top Frame Assembly and cut.



Fig 27

INSTALLING THE VACATION LOCK

The Vacation Lock provides added security when away from your home for extended periods. It requires drilling a 1/4" hole at the bottom of your stationary patio door and 2 small holes in your sliding glass door. If you choose to use the Vacation Lock. Follow STEPS 28 – 34. If not, proceed to Step 34.

STEP 28: Drill the Vacation Lock bolt hole

Position the Vacation Lock on the edge of your sliding glass door at the top or bottom with the Locking Bolt extended. The end of the bolt should be facing your stationary door track as shown in Figure 30. Using a pencil, trace around the circumference of the bolt on the stationary sliding glass door frame. Then Remove the Vacation Lock and mark the approximate center position of the bolt. Drill a 1/4-inch hole in your stationary sliding glass door frame for the bolt.



Fig 28A

Position the lock and mark the bolt position



Fig 28AB

Mark the bolt center



Fig 28C

Drill the bolt hole

STEP 29: Drill the Vacation Lock mounting holes

The Vacation Lock provides added security. It may be attached to your sliding glass door at the top or bottom. With the bolt extended and inserted into the drilled hole, position the Vacation Lock onto edge of your sliding glass door and, with a pencil, trace the slots of the Vacation Lock onto the edge of your sliding glass door. Note: Before drilling, Retract the bolt and make sure there is clearance between the retracted bolt and your stationary door frame. Reposition the Vacation Lock if necessary, to make sure there is clearance but, also making sure that the bolt is still centered on the hole. Drill (2) holes in your sliding glass door using a #32 drill bit, one hole in the center of each of the slots you marked.



Fig 29A

Trace the 2 lock slots



Fig 29B

Marked slots should look like this

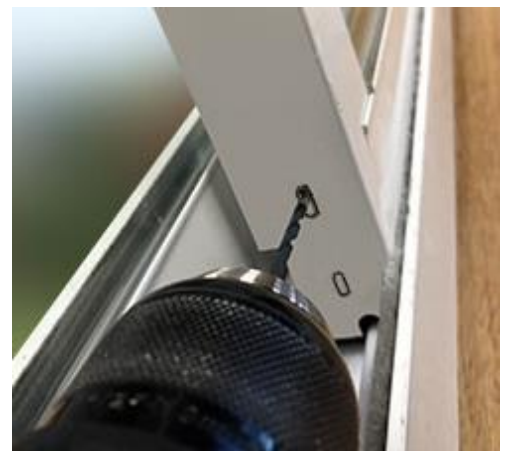


Fig 29C

Drill the center of each slot

STEP 30: Screw the Vacation Lock to your sliding glass door

Fasten the Vacation Lock to your sliding glass door using (2) #8 X 5/8 round head sheet metal screws.



Fig 30A

Screw the Vacation Lock into place



Fig 30B

Installed Lock Shown retracted

STEP 31: Apply the Draft Stopper Seal

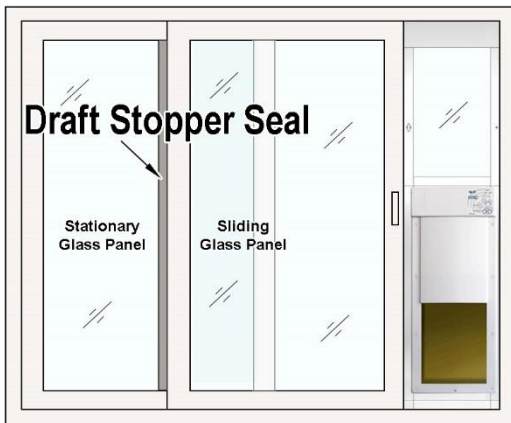


Fig 31A

Seal Placement

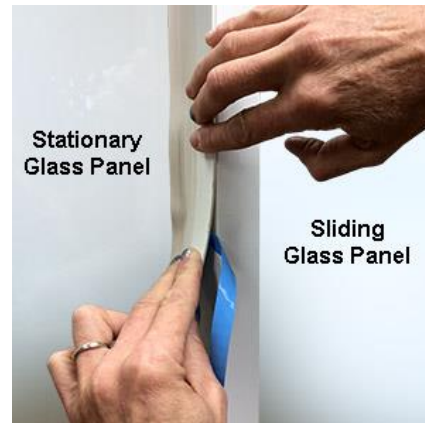


Fig 31B

Apply Seal From Top



Fig 31C

Cut Seal at Bottom

You will need to apply the Draft Stopper seal to the inside of your sliding glass door to seal the opening between your sliding door and the stationary glass. Start at the top of your sliding glass door and apply the seal removing the adhesive backing as you move down. When you reach the bottom, cut the remaining seal material with scissors.

CONGRATULATIONS!

Your Power Pet patio pet door installation is complete. If you have any questions, comments or require customer support call us at 1-800-255-1279 (M-F 8:30 AM – 4:00 PM Pacific time). Or email us at support@HighTechPet.com. Thanks for choosing our pet door. We think you will find you have purchased *The Most Ingenious Pet Door on the Planet!*