

# Santa Fe Rx

## FILTER FRAME ASSEMBLY

**This kit attaches to the back of the Santa Fe Rx.  
The back is the side where the air comes out of the lower section.**

1. Remove the protective plastic from the frame top & sides. Assemble the frame top (Item 1) & bottom (Item 2) to the frame sides (Items 3) with (8) screws (Item 6). The frame bottom has  $\frac{3}{4}$ " thick by 1" wide foam on one outer edge. The frame top has  $\frac{1}{2}$ " thick by  $\frac{1}{2}$ " wide foam on the equivalent edge.
2. Push the plastic nuts into the (6) square holes on the unit back. If they are difficult to push in, gently tap them in with a hammer or rubber mallet.

**NOTE:** The service panel on the back of the unit (26 $\frac{1}{4}$ " high x 18 $\frac{1}{2}$ " wide, held with 6 screws) must remain in place when using this filter frame assembly. **DO NOT REMOVE.**

3. Place a rug or cardboard down and lay the Santa Fe Rx on its front. Screw the frame to the Santa Fe Rx back with (6) screws (Item 6) into the plastic nuts starting with the middle screws. Stand unit upright.
4. Remove the (4) screws that attach the frame top to the frame sides.
5. Attach the "C" shaped filter guides (Items 4) to the inside of the frame sides with machine screws and lock nuts (Items 5 & 7). Place the nuts to the inside.
6. Slide the air filter(s) into the filter guides from the top.
7. Reattach the top.
8. Reposition the Santa Fe Rx with the back of the unit at least 1.5" from a wall with the optional filter frame. Without the filter frame, at least 3" is required.

### Filter Test

The optional 95% efficiency and HEPA filters have long lives when prefiltered by the standard pleated inlet filter; they can last many years in certain conditions. How long they last can, however, vary widely depending upon the following: Unit run time, air contamination level, and standard inlet filter cleanliness. Due to the optional filters' expense, it can be costly to change them prematurely. The following test helps determine when they should be changed.

Air exiting the bottom rear of the unit enters the filter frame, then passes through the optional filter and into the room. If the filter is dirty, air pressure builds up before the filter. To check this pressure, remove the plastic plug from the filter frame top; you will feel air coming out of the hole with the unit running. Place the ping pong ball that came with the filter frame on the hole and let go (any marked, regulation sized ping pong ball will work). If the ball does not move or only bounces slightly and does not spin continuously, the filter is clean enough for continued use. If the ball floats above the hole and starts to spin and perhaps wobble within 30 seconds, the filter needs to be changed.

### Parts List

Item No.	Quantity	Description
1.	1	Frame Top
2.	1	Frame Bottom
3.	2	Frame Side
4.	2	Filter Guide ("C" shaped)
5.	4	Machine Screw, #8-32 x $\frac{1}{2}$ " long
6.	15	Thread Forming Screw, #8-18 x $\frac{1}{2}$ " long (1 spare)
7.	4	Lock Nut, #8-32
8.	10	Plastic Nut (4 spares)
9.	1	Ping Pong Ball ( <i>used for Filter Test: Save</i> )