

Explora Dome Extension Bay Installation Instructions



Parts Included in this Kit:

- 1- Bay Extension 34 X 44 X 24
- 1- Filler 4" X 2" X 38" for under the Extension Bay
- 1- 2 3/4 X 36" Trim Siding for Above the Bay Extension
- 1- 5 X 36" Trim Siding for Below the Extension Bay
- 2- Enclosure Foam Strips
- 14' of 1/4 X 1" Seal Foam
- 30- 1" White Screws w/ seal washer
- 4- #10 X 32 X 3/4" Round Head Screws
- 4- #10 X 32 X 1/2" Round Head Screws
- 8- #32 Nylon Lock Nuts



Fig 1

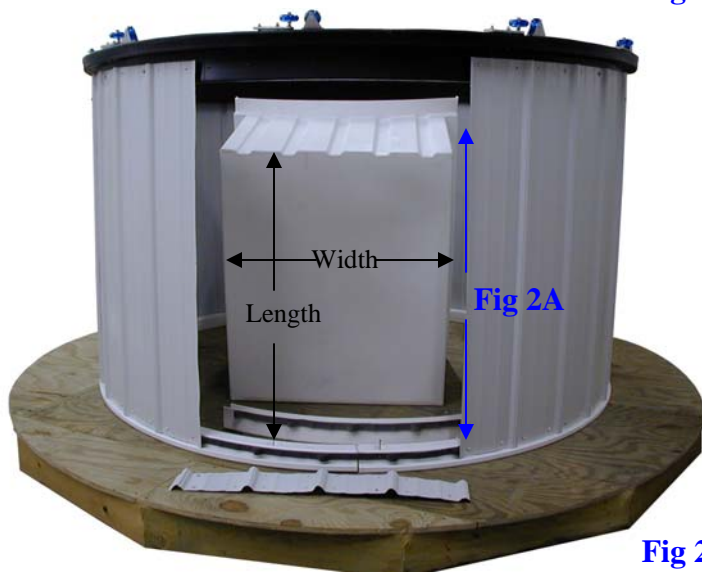


Fig 2

Step 1: Making the Hole for the Bay

If you are installing an extension bay in an existing building, Start by removing 1 sheet of siding where you want the Bay Extension to be. (Fig 1) Or if you are installing a Bay Extension in the assembly of a New building, you need to trim off both sheets of siding the Extension Bay goes between.

Start by measuring from side to side of the Extension Bay. (Not including the width of the lip) This will tell you the min. width you need between the sheets of siding. (Fig 2) Now measure the distance between the sheets of siding, the difference between the 2 is what you need to divide in half and cut off the sides of both sheets of siding.

Now measure the length of the Bay Extension, right behind the lip (But do not include the lip as part of this measurement.)

Now measure down from the bottom of the mounting ring the length you determined the extension bay to be. (Fig 2A) Now measure in from the edge of the siding the amount you determined the opening needed to be and cut this section out, do this on both sides.

Step 2: Putting in the Spacer Needed at the Bottom

There is a filler used between the bottom of the bay and the bottom mounting ring. If the filler you received with the bay is to tall just cut it down to what you need. Most of the time it is 4". Once you have the height needed you can install the filler in place, center the filler in the opening and fasten in place using 6 of the 1" white screws 4 equality spaced across the bottom and 1 on each upper corner through the siding and into the plastic filler to hold the top corners. (Fig 3,4 & 5) You can put a bead of caulking on the seam between the 2 pieces of plastic if you like.

Now you are ready to install the piece of siding that goes over the filler panel. (Fig 6) Hold the piece of siding in place and either place the enclosure form in place or mark where it goes and place it with the siding out of the way. Either way install the foam enclosure so about 1/2 of it is sticking above the metal siding this will act as a seal for the bottom of the Bay.



Fig 3



Fig 4



Fig 5



Fig 6



Lap the ends of the siding just like the sheet you took out was. If the siding is too tall you will need to trim some off, if it is short you can hold it up to the top of the filler panel or match the bottom edge of the other sheets of siding your choice.

Step 3: Installing the Bay it Self

First slip the bay in place and make sure it fits properly. Then remove it and install the flat foam sealer on the back side lip of the Bay and carefully slide it back in place. Make sure you are all the way back against both the top and the bottom lips of the Bay. With the bottom lip against the back plastic put 5- 1" white screws evenly spaced and centered on the bottom lip starting in about 1" in from the corners.

Now go outside and install a strip of the flat foam across the top of the bay just under the mounting ring. Now go back inside and install 4- 1" white screws up through the top of the Bay in the middle of the wide channel up into the mounting ring and draw the bay up tight to the mounting ring. (**Make sure the lip is tight to the mounting ring at the same time.**) Now install 5- 1" White screws across the top the same way you did the bottom lip.

Now drill 4 3/16" holes through the side lips of the bay starting about 3" down from the top of the bay and 3" up from the bottom and then evenly space the other 2 between them. Do this on both sides. Now install the #10-32 X 1/2 Round Head screws in the middle 4 holes, and use the #10-32 X 3/4 Round Head screws in the bottom holes on each side and use the #10-32 X 1" Round Head screws on the top holes on each side.

