

# 7 Series Fixed - Installation Instructions



VIDEO CURVE



VIDEO FLAT

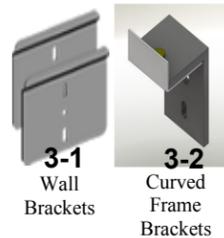
## 7 Series Fixed Projection Screen

### Black Diamond Screen Material Cautionary Statement:

**Black Diamond material damaged during handling, installation or use is not covered by warranty.**

### Parts List—What's in the Box:

- Black Diamond screen material wrapped with protective foam on a hard inner core transport tube (Please read Warning above). Do not allow screen material to make contact with anything—it should remain packaged until you're ready to attach it to the frame.
- Vertical Frames (2) with attachment posts pre-installed
- Horizontal Frames (2) with attachment posts pre-installed
- Corner L-Brackets: 4 (or 8 if Curved Frame)
- Wall Brackets (2) Illustration 3-1, or for Curved Frames, Illustration 3-2
- Bag of Black Rubber Bungees
- Latex Gloves
- Small bag of Screws, Allen Wrench, spare parts



### Installation Videos:

[www.screeninnovations.com](http://www.screeninnovations.com)

Installation Help? Call (512) 832-6939

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### Getting Started

- For the best image quality, mount your projector lens level with the top or bottom of the screen. We do not recommend angling the projector or using any type of keystone correction. Lens shift is acceptable within 11 degrees above or below the screen, which equates to about 12".
- In a clean, open area, unpack the frame members, and place them in their relative position with the velvet side face down on the floor.

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### Frame Assembly

1. Insert corner brackets into the ends of the (short) vertical frame pieces; note that Curved Frames require two brackets in each corner, 8 total.
2. Slide each of the (long) horizontal frames onto the left vertical frame.
3. Next, slide the remaining vertical piece in place to complete the rectangle.
4. Square up each of the corners so that the extrusions are evenly aligned and lightly secure the set screws.
5. Measure each diagonal from corner to corner, and compare the two measurements—they must be within 1/8" of each other. If not, loosen all corner screws and square-up the corners to get the diagonals within tolerance. Finally, retighten all corner screws. **This process insures that all corners are at 90 degrees, and is required for the material to fit properly.**
6. Remove the rubber stick-on bumpers that hold the black posts in place while in transit. Spread the posts out evenly across the width of the frame.

**For Curved Frames only:** As shown in Diagram C; Attach the temporary support straps to the posts beginning in the center of the frame. Continue out from center, attaching straps to the frame roughly 18" apart until you've placed all the supplied straps. Remove straps once you've attached the material to the frame.

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### Attaching Black Diamond Screen to the frame

#### Please read this important note before proceeding:

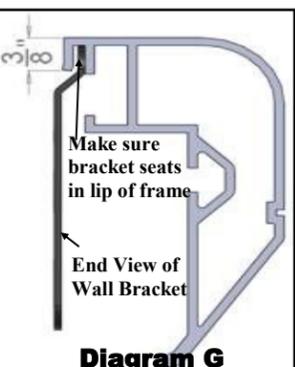
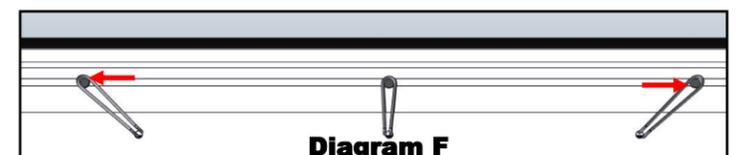
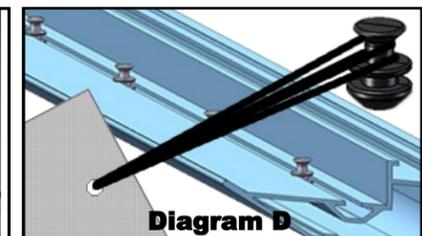
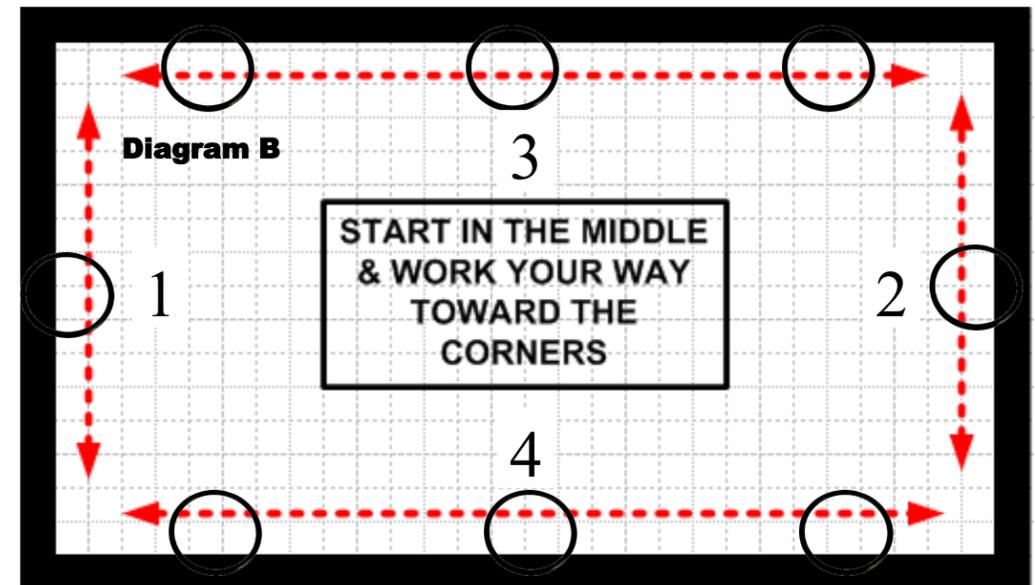
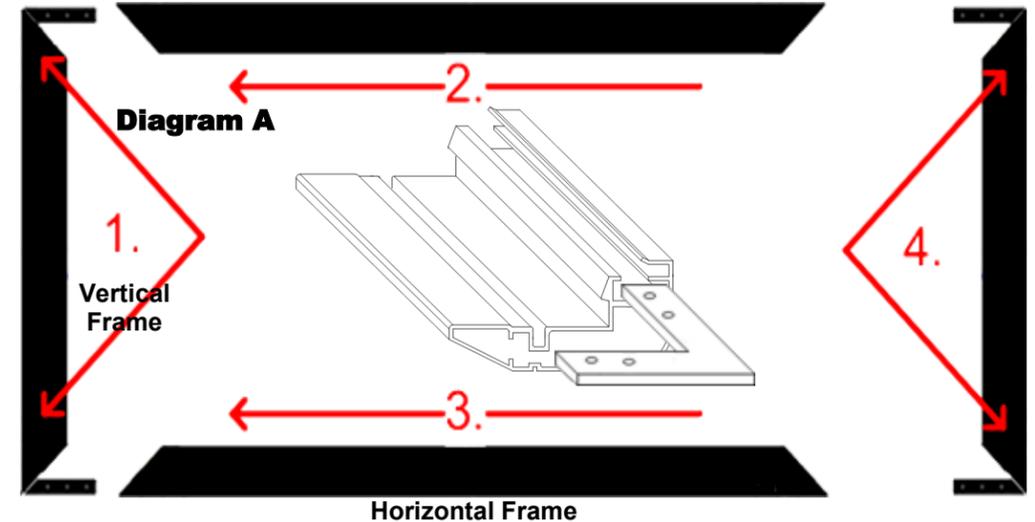
Prior to handling Black Diamond material, put on the supplied gloves to keep hand oil and dirt from being transferred to the viewing surface. Be extremely careful unrolling and handling the screen, making certain it doesn't come in contact with anything other than the frame. Also, this material must only lay flat—it will crease if handled improperly. Damage due to improper handling is not covered by warranty.

1. Leaving the protective foam in place, carefully unroll the screen material on the frame using caution to not scratch, crease or dent the material.
2. **Center the material over the frame and tear away excess foam.**
3. Using the supplied Black Rubber Bungees, loop each bungee around the post starting with the number 1,2,3 and 4 as shown in Diagram B. If necessary, move the material so that it's still centered on the frame in both directions. Loop all remaining bungees starting next to the top center (already attached) and then attach the one at the bottom, directly across—work out from the center to the corners, stopping with the corner holes left for last.
4. Before attaching the corner bungees, peel the pre-mask layer back into the viewing area a few inches at all four corners. Next, attach two corner bungees as shown in Diagram E. Note in the diagram that two bungees pass each of the corner holes on the screen.
5. Once all bungees are attached, make sure each attachment is straight from the hole to the post—not pulling at an angle. Stand the screen upright and finish removing pre-mask layer.
6. Wrinkles along the top and bottom of the screen can be fixed by angling the bungees away from the middle along the top and bottom as shown in Diagram F.

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### Mounting Screen on the Wall

1. **It is required that the Wall Brackets be securely attached by screwing into structural wood studs.** The placement of each Wall Bracket is a point no closer to the center than 1/3 of the screen width, and no less than 6" from the outside edge of the frame. See the recommended wall bracket spacing chart to the right.
2. Place the screen on top of the Wall Brackets so the lip on the frame slips into the mounting track as shown in Diagram G.



Recommended Wall Bracket Spacing Chart	
NOTE: Bracket location is from center of screen	
Screen Width	Bracket Location
70 - 92"	32 - 36"
92 - 120"	36 - 42"
120" and up	42 - 48"