

Assembly/Mounting Instructions

Clarion Permanently Tensioned Projection Screen by Draper

Caution

- ① Read instructions through completely before proceeding.
- ② Follow instructions carefully. Installation contrary to instructions invalidates warranty.
- ③ Screen should be accessible for complete removal should fabric become damaged or should other service be required.
- ④ Screen should be installed level (using a carpenter's level).
- ⑤ Nothing should be fastened to screen frame or viewing surface.
- ⑥ Operating switch(es), for electric tilting screens, packed separately in screen carton. Do not discard with packing material.
- ⑦ Electric tilting mechanism operates on 110-120v, 60 hz. current.
- ⑧ Tools Required: Medium (#2) Phillips Screwdriver, Carpenters Level, Soft face (rubber) Hammer & Measuring Tape.

NOTE: Screen has been thoroughly inspected and tested at factory and found to be operating properly prior to shipment.

Assembly of "Knocked-Down" Screen

General—

- ① Assemble inner frame on large table or on floor. Refer to exploded drawing on page 2 as you read these instructions.
- ② Open cartons along the length, not at ends. Remove all pieces from the carton. Lay out the four sections of the inner frame (top, bottom, left and right) with the front sides facing up. (Back of frame is side with snaps.)

Please Note: The frame is labeled "Stage Left" and "Stage Right." Stage Left means the left side side of the screen as it faces the audience, which is the right side as you face the screen. When these instructions refer to the left or right side of the screen, they refer to the left or right side as you face the screen.

- ③ Screw the left and right sides to the top and bottom frame members using #6 x 1" screws through the two pre-drilled holes in each end of sides. Screws should thread into the circular screw channels. Make sure frame assembly is square by measuring across frame diagonals (see Fig. 1).

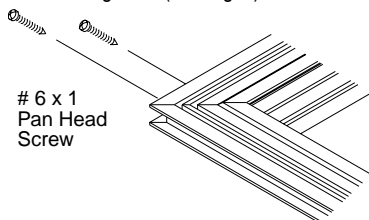


Figure 1

- ④ Place and screw one corner gusset to the inner frame assembly at each corner with (6) #8 x 3/8" pan head screws. Screws pass through pre-punched holes in gussets and thread into screw channel on inner frame (see Fig. 2).

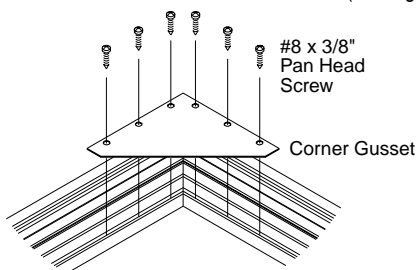


Figure 2

- ⑤ Connect horizontal brace and vertical brace using (2) #10 x 1/2" screws (see Fig. 3). See page 2 for the various configurations.

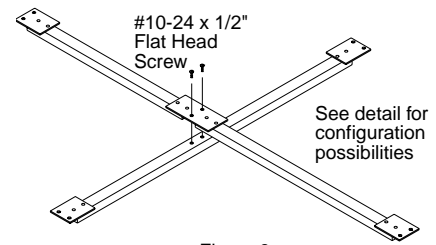


Figure 3

- ⑥ Place bracing assembly inside the inner frame so the plates at each end of braces are completely visible from the front. Make sure these braces are perpendicular to the inner frame sections. Insert #8 x 3/8" screws through the holes in these plates and into the screw channel on the inner frame (see Fig. 4). The inner frame assembly is now complete.

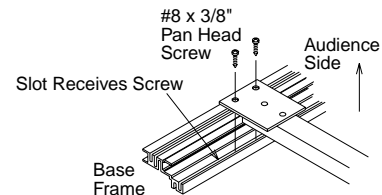


Figure 4

Attachment of Viewing Surface

Two people should attach the viewing surface of large screens, to prevent possible damage.

- ① Unroll the viewing surface from the core with the viewing side face down. Be **extremely careful** to protect the viewing surface by unrolling it onto a clean cloth or paper.
- ② Place the inner frame assembly, **with front side down**, against the back of the viewing surface. Make sure the top piece of frame corresponds with the top side of the viewing surface.
- ③ Pull border snaps on viewing surface around the inner frame and snap to the back side of the frame. Engage the two snaps at each corner first, then go along each side and engage the remaining snaps.
- ④ Pivot the frame/fabric assembly up into a vertical position and inspect surface.
- ⑤ Lay frame/fabric assembly with viewing surface up. Frame is ready for installation of trim frames.
- ⑥ Place the four trim sections next to the correct sides of the frame/fabric assembly. The side trim sections will have connecting brackets located in each end. These brackets will align and hold the face of the trim sections together.
- ⑦ Place the top and bottom trims over the top and bottom of the frame/fabric assembly. **(Do not slide the trim sections along the outside edges of the frame/fabric assembly. Doing this could damage the fabric viewing surface.)**
- ⑧ Align and start engagement of bracket in the side trim with slot in top trim by hand. Use rubber hammer to drive trims fully together. Repeat for the other corners of screen (see Fig. 5).

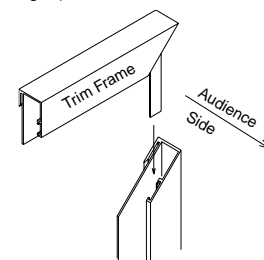
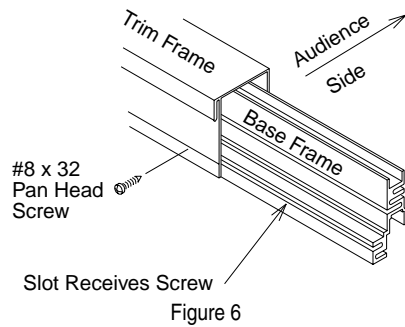


Figure 5

- ⑨ After all four corners of trims are connected, turn entire screen assembly over so viewing surface is face down. Be sure to protect surface in this position.
- ⑩ The trims must be fastened to the inner frame with #8 x 3/8" screws. Each trim has predrilled holes in the back flange. Start by screwing the corners together first. It may be necessary to squeeze the trims together at corners to close any gaps. Do this before screwing trim to inner frame. Finish attaching trims along their length with additional screws (see Fig. 6, top of page 2).

DRAPER



The screen frame is assembled and ready for fixed wall mounting or attachment to tilting angles.

Wall Mounting of Frames

- ① Mount 2, 3, or 4 aluminum brackets (provided) on wall at desired height. Use carpenters level to ensure brackets are level. When the screen is mounted, the top of the frame will be 1/8" above the top of these brackets. 3/4" of free space is required above these brackets. When the screen is set on the mounting brackets, pull down gently to ensure that the engagement is snug and secure.
- ② Screen should be positively and securely supported so vibration or abusive handling will not cause it to work loose or fall. The installer must insure that fasteners are of adequate strength and suitable for mounting surface chosen.

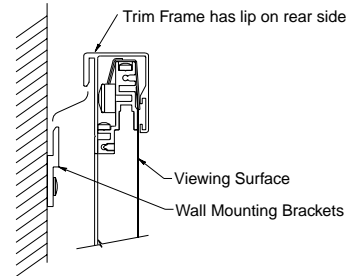
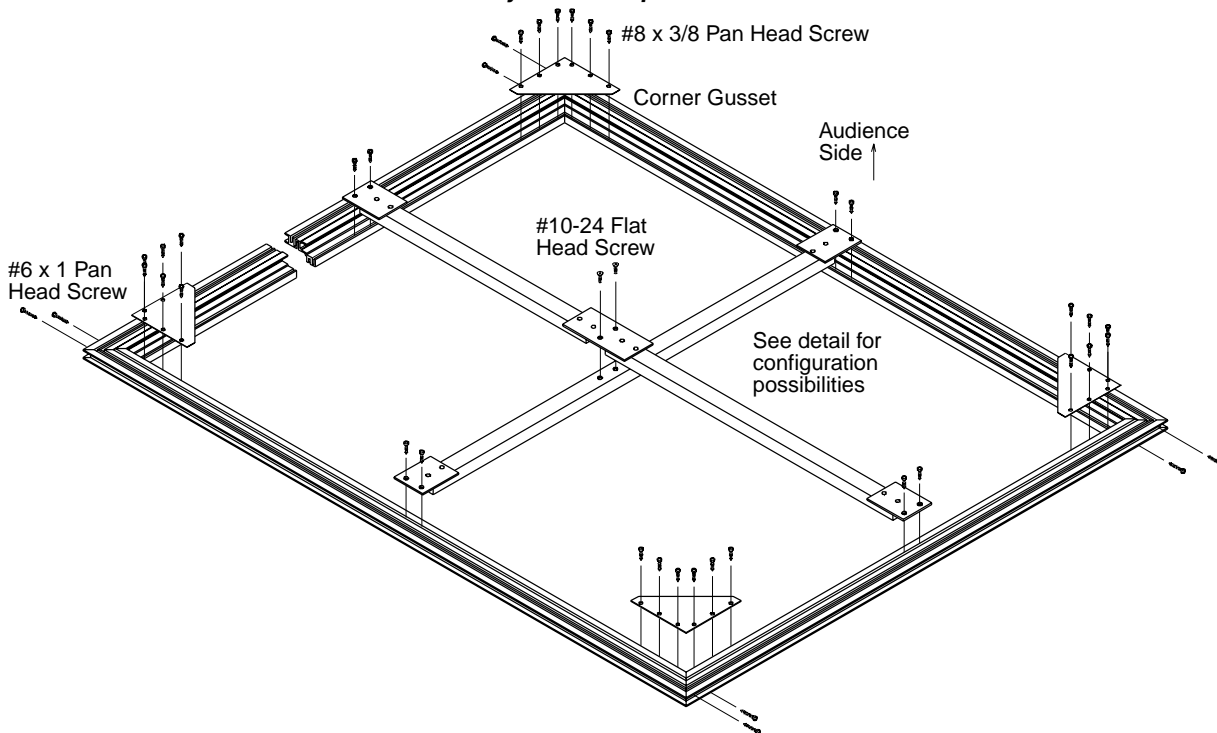


Figure 7

System Components

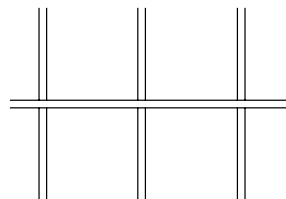


Bracing Configurations

Note: Sizes smaller than those shown require no bracing.

Style I required for		Style II required for	
 Full Vertical Brace	5' 50 x 50	 Full Horizontal Brace	150"
	6' 60 x 60		15'
	78" 70 x 70		9 x 9
	7' 84 x 84		10 x 10
	90" 8 x 8		6 x 12
100" 4 x 8	3 x 9		
	10'		4 x 12
			5 x 10

Style III required for 5 x 15



Style IV required for 6 x 18

