Acoustically Transparent Fixed Frame Projection Screen

# Peregrine A4k & Special Edition A4K Series

## User's Guide

**Please follow these instructions carefully to ensure proper maintenance and safety with your Acoustically Transparent Fixed Frame Screen**

1. When hanging the screen up, please make sure that no other objects – such as power switches, outlets, furniture, ladders, windows, etc., occupy the space designated for your Fixed-Frame screen.

2. Regardless if the screen is hung on or installed into the wall; make sure that the proper mounting anchors are used and that the weight is supported appropriately by a strong and structurally sound surface just as any large and heavy picture frame should.

(Please consult a home improvement specialist for the best advice on installation.)

3. Frame parts are made of high quality velour-surfaced aluminum and should be handled with care.

4. When not in use, cover the screen with a furniture sheet to protect it from dirt, grime, paint, or any other impurities.

5. When cleaning, use a soft cloth moistened with warm water to remove any marks on the frame or screen surface.

6. Never attempt to use any solutions, chemicals, or abrasive cleaners on the screen surface.

7. In order to avoid damaging the screen, avoid touching it directly with your fingers, writing tools, or any other sharp or abrasive objects.

8. Spare parts should be placed out of reach of small children in accordance with household safety guidelines.

**CAUTION:**
**The projection screen frame is made of high-quality aluminum alloy and should be handled with care.**
**Use a soft cloth with warm water to remove any spots on the screen material surface.**
**To avoid damaging the screen material, never attempt to use any solutions, chemicals, or abrasive cleaners on the screen itself, and never attempt to touch the screen with your fingers or sharps/abrasive objects.**
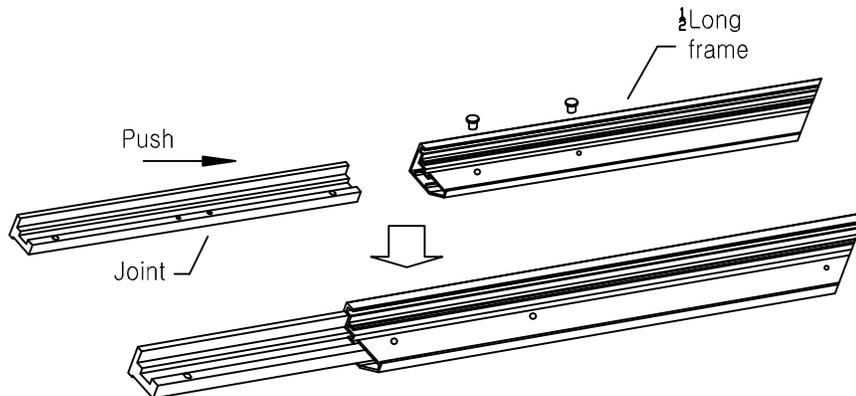
## PARTS LIST

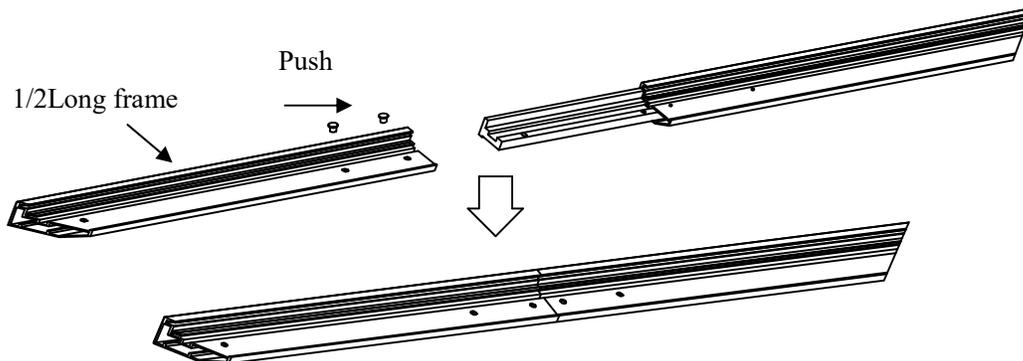| | |
|---|---|
| 1. Frame Parts x 6 pcs<br>(4 top/bottom frame pcs. + 2 side frame pcs) | 9. M5x15Screws x 16 pcs |
| 2. Tension Rods x 6 pcs<br>(4 top/bottom rods + 2 side rods) | 10. User Guide x 1 pc |
| 3. Screen Material x 1 pc | 11. Center Support Bar x 1 – 2 pcs<br>(depending on model/size) |
| 4. Center joints x 2 pcs | 12. Support joiner x 2 – 4 pcs<br>(depending on model/size) |
| 5. Elbow Joints x 4pcs | 13. Fix Plates x 50 – 90 pcs<br>(depending on model/size) |
| 6. Wall brackets x 2-4pcs | 14. Rubber hammer (mallet) x 1 pc |
| 7. Wood Screws x 8pcs | 15. Screw driver x 1 pc |
| 8. Drywall anchors x 8pcs | |

**Note: Please make sure all parts are included in your package before proceeding to assemble your Elite Screens fixed frame projection screen.**

## ASSEMBLING THE FRAME

**1.** Insert the **center joint** connector to the horizontal frame piece and then fasten it with 2screws.
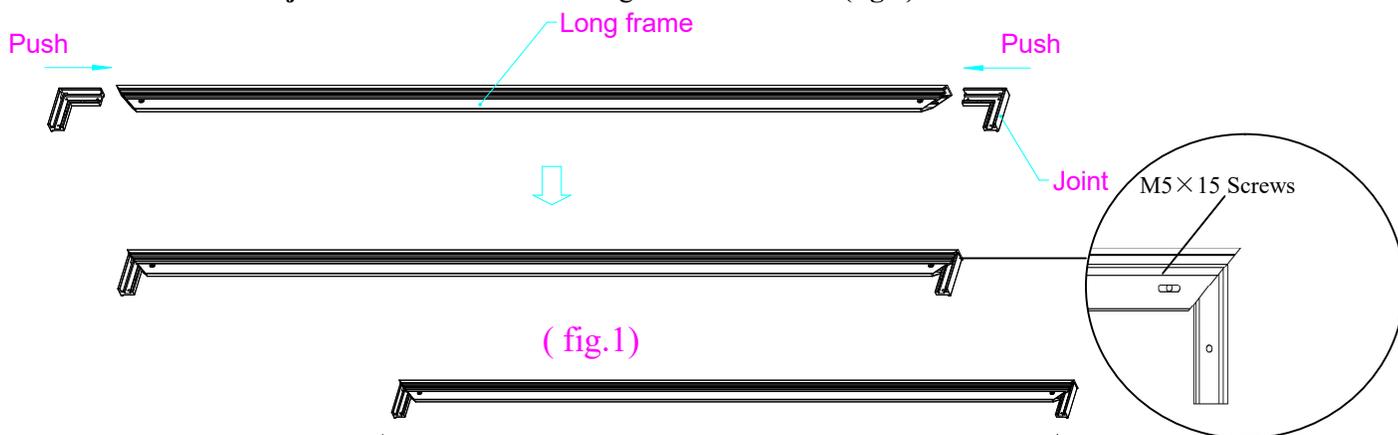


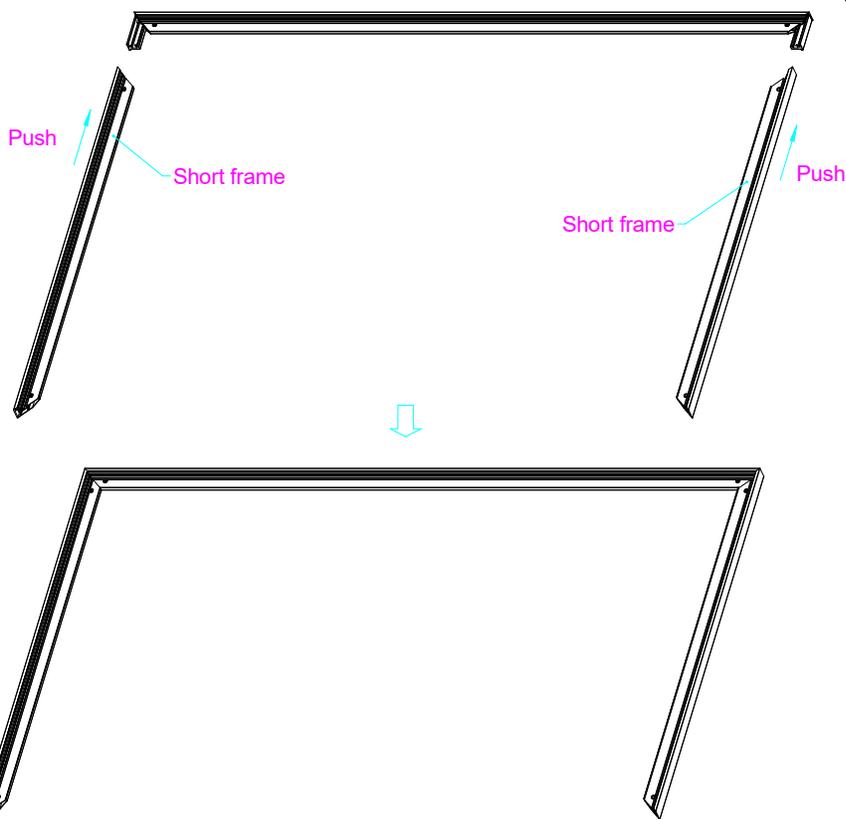**2.** Insert the other horizontal frame piece to the **center joint** connector and then fasten it with 2 screws.



**Make sure the frame piece lines up correctly before you tighten the screws completely.**
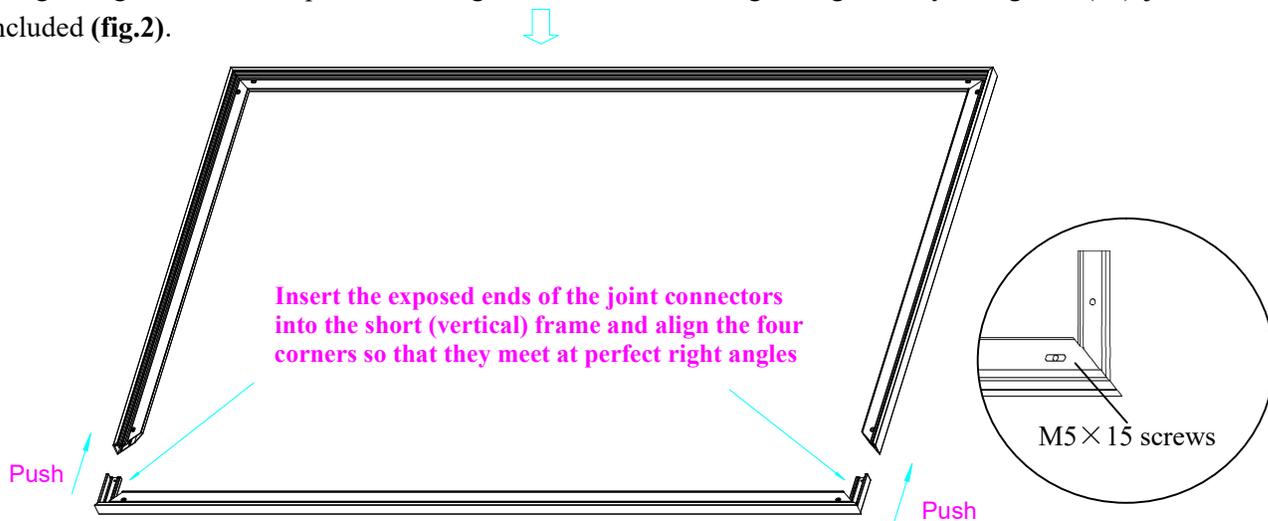
**3.** Insert both **elbow joint** connectors into the long horizontal frame **(fig.1)**.

Push

Long frame

Push

Joint
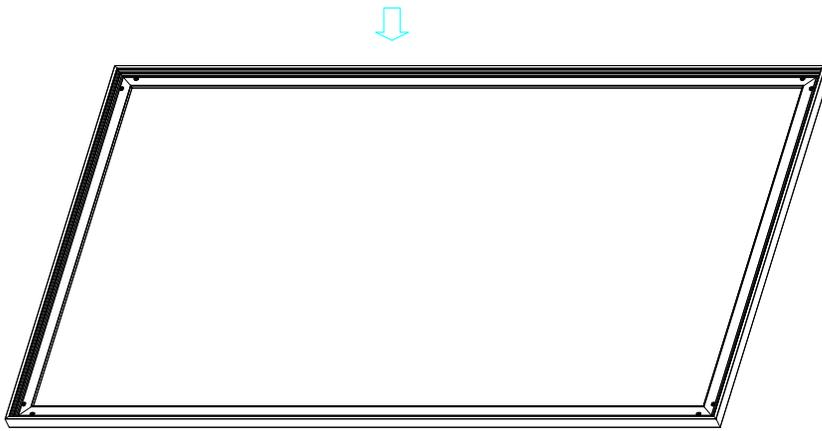
M5×15 Screws
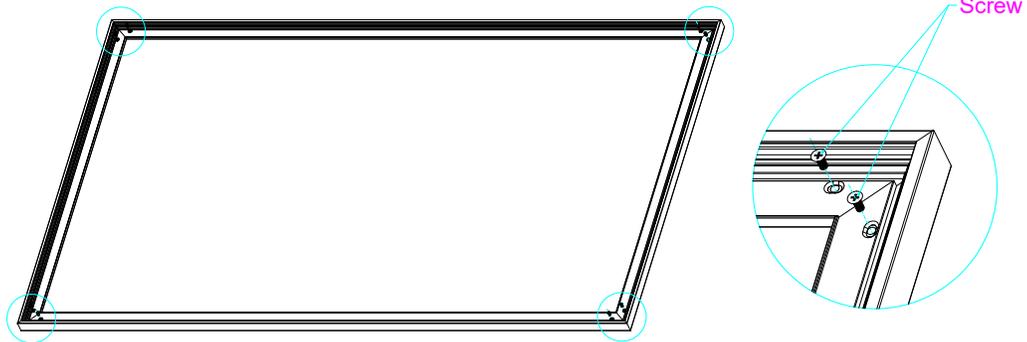
( fig.1)

Push

Short frame

Push

Short frame

**4.** Join all four frame parts together following the steps showed below. After making sure that all four corners join at right angles to form a perfect rectangle, fasten the four angles together by using the (x8) joint screws included **(fig.2)**.

**Insert the exposed ends of the joint connectors into the short (vertical) frame and align the four corners so that they meet at perfect right angles**
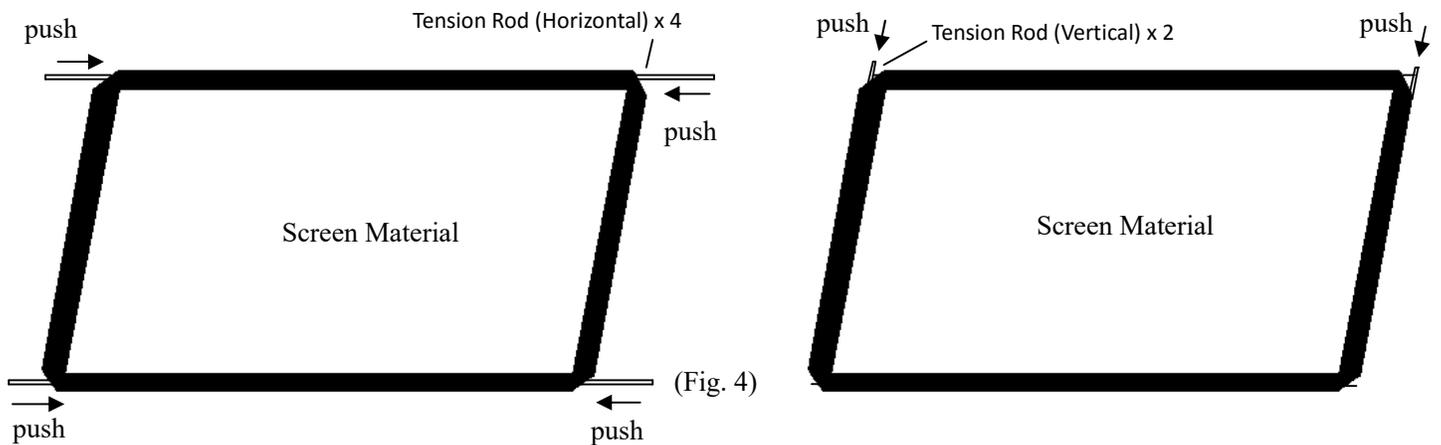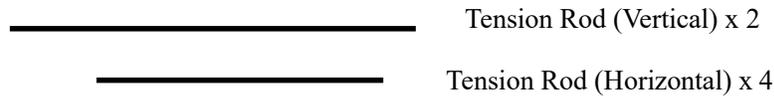
M5×15 screws

Push

Push

( fig.2)

**5.** After making sure that all four corners join at right angles to form a perfect rectangle, fasten the four angles together by using the (x8) joint screws included **(fig.3)**.



Screw
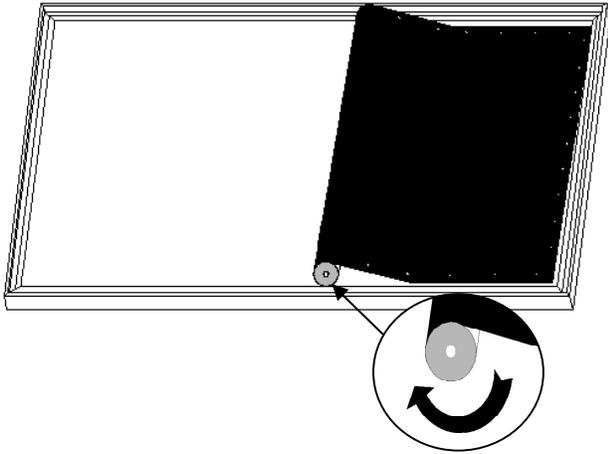
( fig.3)

## ATTACHING THE SCREEN MATERIAL TO THE FRAME

1. Unroll the screen material and lay it down on a clean surface. Then insert the tension rods separately into the edges of all four corners of the material **(see fig.4)**.

Tension Rod (Vertical) x 2

Tension Rod (Horizontal) x 4



push

Tension Rod (Horizontal) x 4

push

push

Tension Rod (Vertical) x 2

push

push

Screen Material

push

Screen Material

push

(Fig. 4)

push

2. Make sure the screen material and frame are both lying face down on a clean, dry, and non-abrasive surface.

3. Carefully unroll the material inside the frame. (Fig.5)

*Please note the material will be noticeably smaller than the frame, as the material must be stretched to create a sufficient amount of tension for perfect material flatness.*
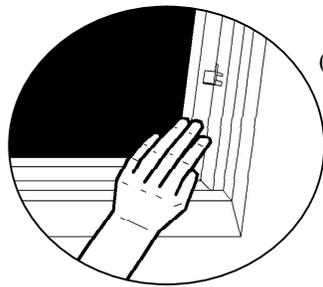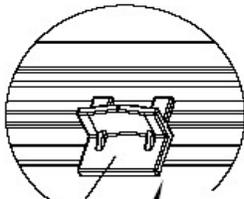
Notes：
- Make note of the label to help distinguish the back and front side.
- Unroll the screen material face down
- Keep the screen material as close as possible to the frame and do not allow it to scratch against any part of the frame.
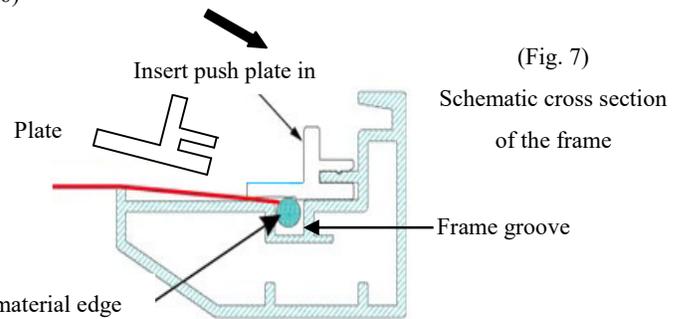
## ATTACHING THE FIX PLATES

1. Stretch the material to the corner and insert the screen material's edge in the groove of the frame. While one hand holds the material in place the other hand snaps in the push plate (Fig.6-Fig.7).
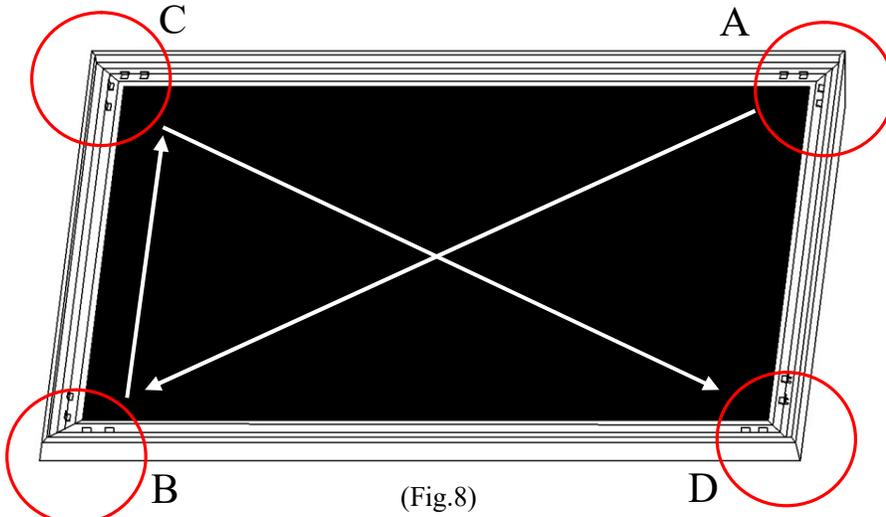
(Fig. 6)

Insert push plate in
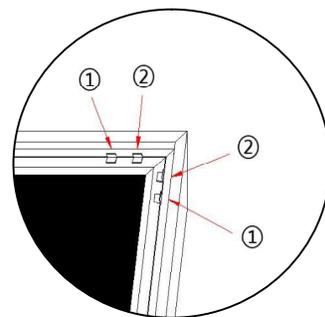
(Fig. 7)

Schematic cross section of the frame

Plate

Frame groove

Screen material edge

Flx plate   Push

2. Begin by securing the four corners in the following sequence A→B→C→D (Fig.8).
3. Insert the fix the plates as shown on Fig. 5. Fix plate ① is about 10cm away from the frame's corner.   Fix plate ② is about 5cm away. (Fig.9)
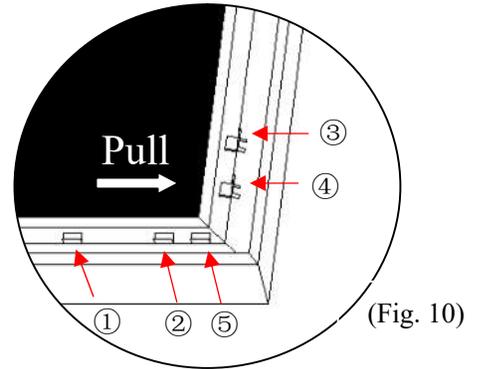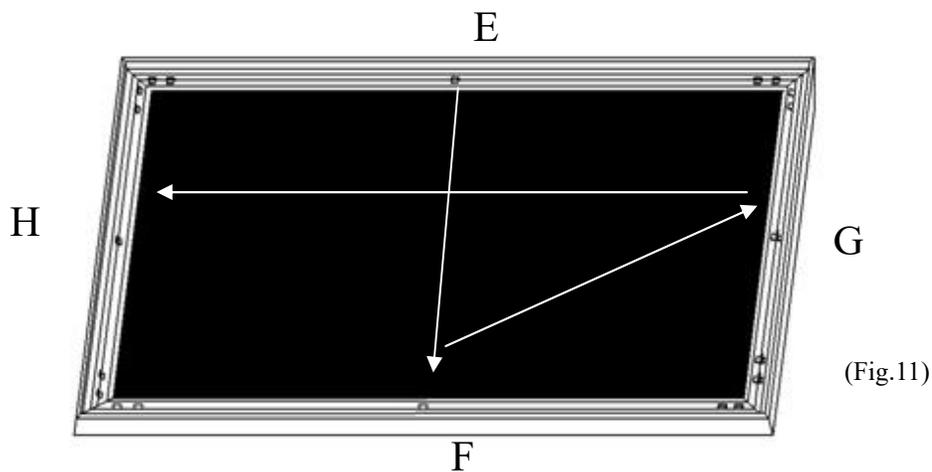
C          A

① ②

②

①

(Fig.9)

B        (Fig.8)        D
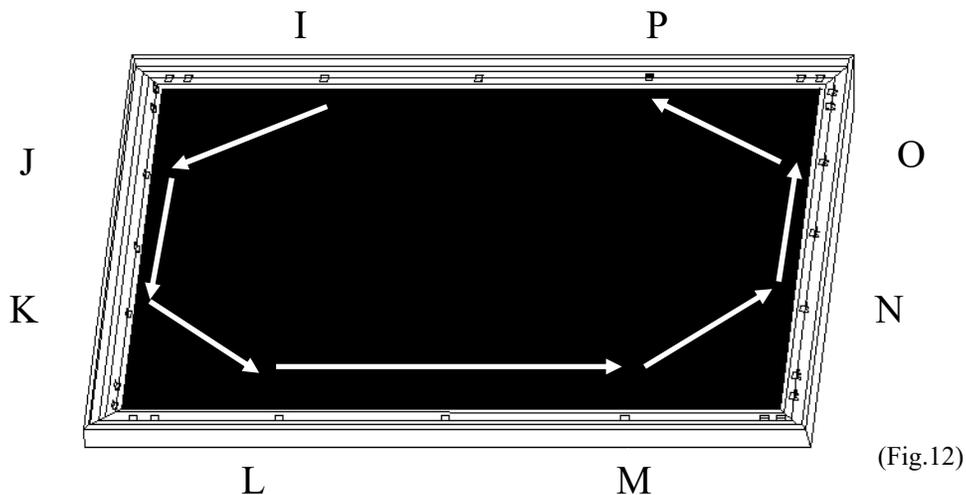
**Tip for attaching the last corner(D):**

1. Position yourself left of location ①.

2. Pull the material to the corner of the frame with your hand while your left hand snaps in the fix plate on location ①

3. Then insert and snap in the fix plate on location②.

4. Next, move and position yourself on location ③, then pull the edge to the frame and fasten plates on locations③and④.

5. Finally, fasten the last fix plate on location⑤. (Fig.10)
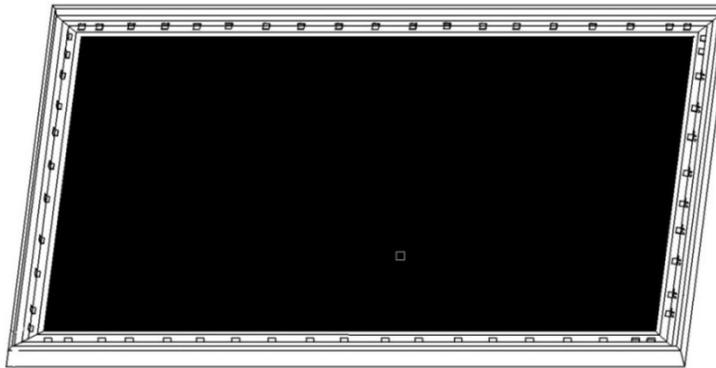
Pull

(Fig. 10)

4. Place a fix plate in the center of each side in the following orderE→F→G→H (Fig.11).

E

H

G

(Fig.11)

F

5. Next, fasten a fix plate on the center of each frame side in the following order I→J→K→L→M→N→O→P as shown in Fig.12.

I P

J O

K N

(Fig.12)

L M

6. Fasten the remainder of the fix plates in the empty locations in the red markings to complete attaching the screen material. (Fig.13)
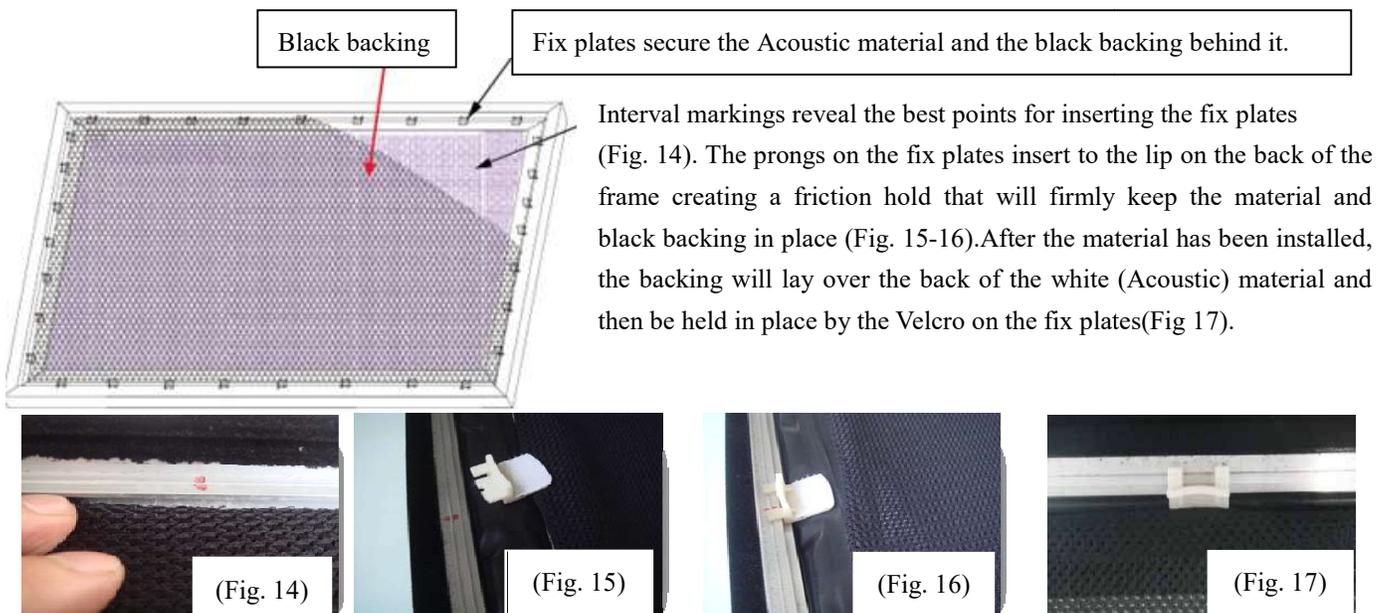


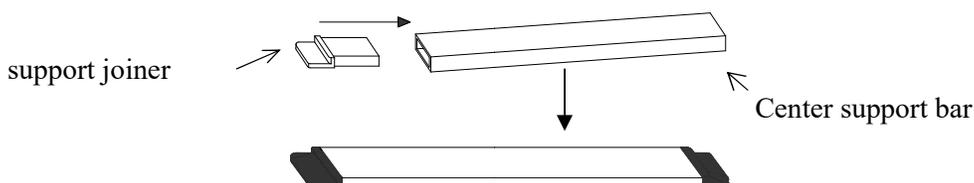(Fig.13)

## BLACK BACKING ATTACHMENT

The purpose of the black backing material is to block out any light penetration that may reflect off of anything mounted behind the screen, which can cause distortion to the projected image.

**The black backing is held in place by the Velcro that is on the fix plates.**
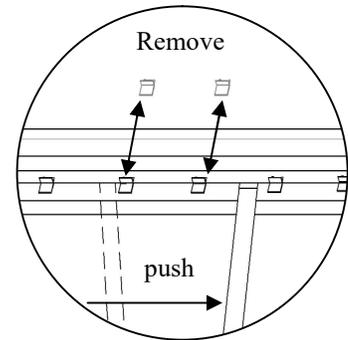
Black backing

Fix plates secure the Acoustic material and the black backing behind it.



Interval markings reveal the best points for inserting the fix plates (Fig. 14). The prongs on the fix plates insert to the lip on the back of the frame creating a friction hold that will firmly keep the material and black backing in place (Fig. 15-16).After the material has been installed, the backing will lay over the back of the white (Acoustic) material and then be held in place by the Velcro on the fix plates(Fig 17).



(Fig. 14)



(Fig. 15)
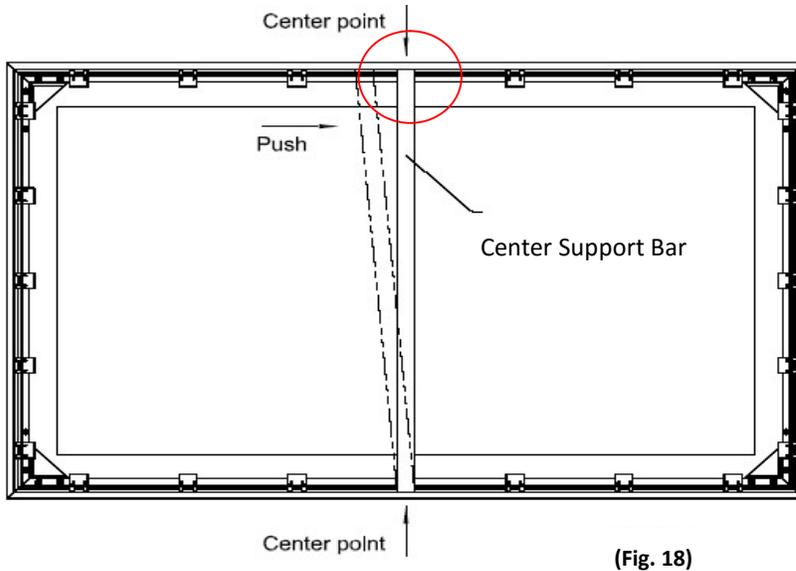


(Fig. 16)



(Fig. 17)

## CENTER SUPPORT BAR

1. Insert the **support joiner** into each side of the center support bar to complete assembly.
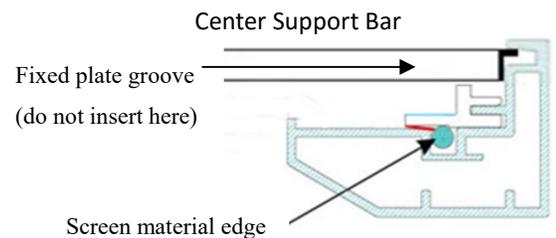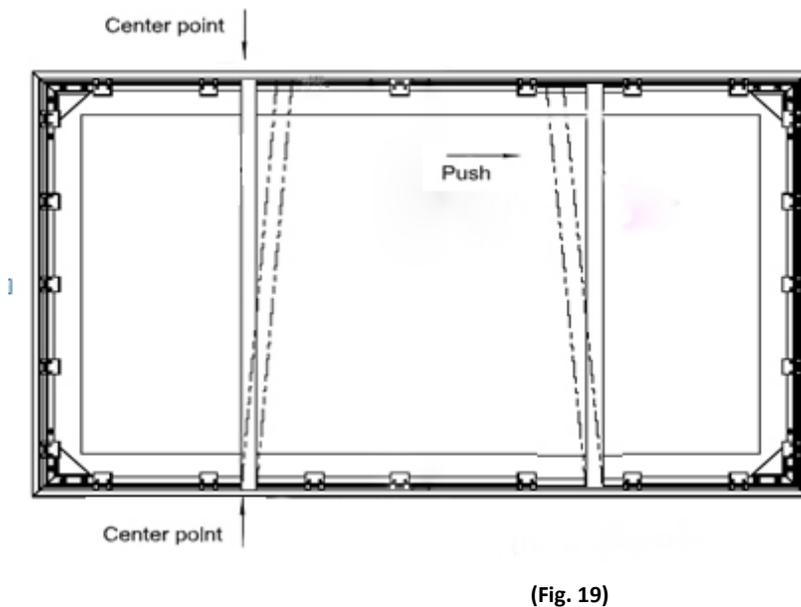
support joiner



Center support bar

**2.** Insert the **Center Support Bar** into the upper top groove on the back of the frame **(not where the fix plate inserts)** with the bottom end near the approximate center point of the frame and place it in at an angle so that both ends of the bar are in alignment with the groove**(Fig. 18 and 19)**.

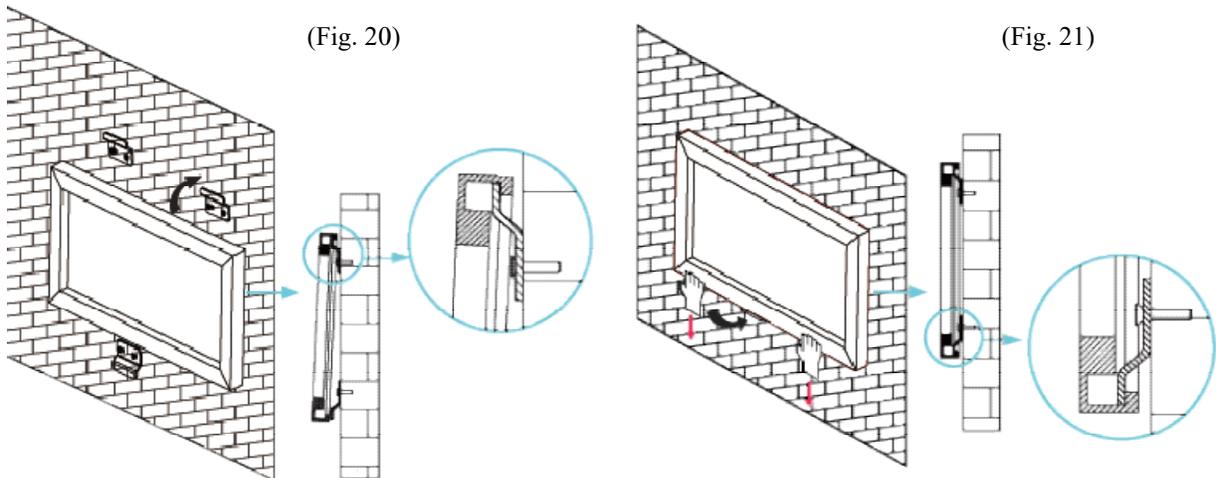**Diagonal models 150" and below use 1 x Center Support Bar**

Center point

Push

Center Support Bar

Remove

push

Center point

**(Fig. 18)**

**Diagonal models above 150" require 2 x Center Support Bars**

Center point

Push

Center point

Center Support Bar

Fixed plate groove
(do not insert here)

Screen material edge

**(Fig. 19)**

**3.** Slide the top end of the bar into the top center point location to complete center support bar installation. **This will provide added stability to your frame and added tension to the material.**

## INSTALLATION INSTRUCTIONS

1. Locate your desired installation location with a stud finder (recommended) and mark the drill-hole area of where the screen is to be installed.
2. Drill a hole with the proper bit size according to the wood screws included.
3. Line up the wall brackets with the drilled holes on the installation location and screw them in using a Philips screwdriver. **Note: Use 2 top wall brackets on diagonal sizes below 135", and use 3 top wall brackets on diagonal sizes 135" and above**
4. Position the fixed frame screen onto the top wall brackets as shown (Fig. 20) and push down at the center of the bottom frame to secure the installation.
5. The wall brackets allow flexibility by allowing the fixed frame screen to slide to the sides. This is an important feature as it allows your screen to be properly centered.
6. Using both hands finish the installation by pushing the lower portion of the fixed frame screen into the lower bracket as shown in Fig 21.



(Fig. 20)     (Fig. 21)

## For a local Elite Screens contact or Technical Support, please visit

## www.EPVscreens.com