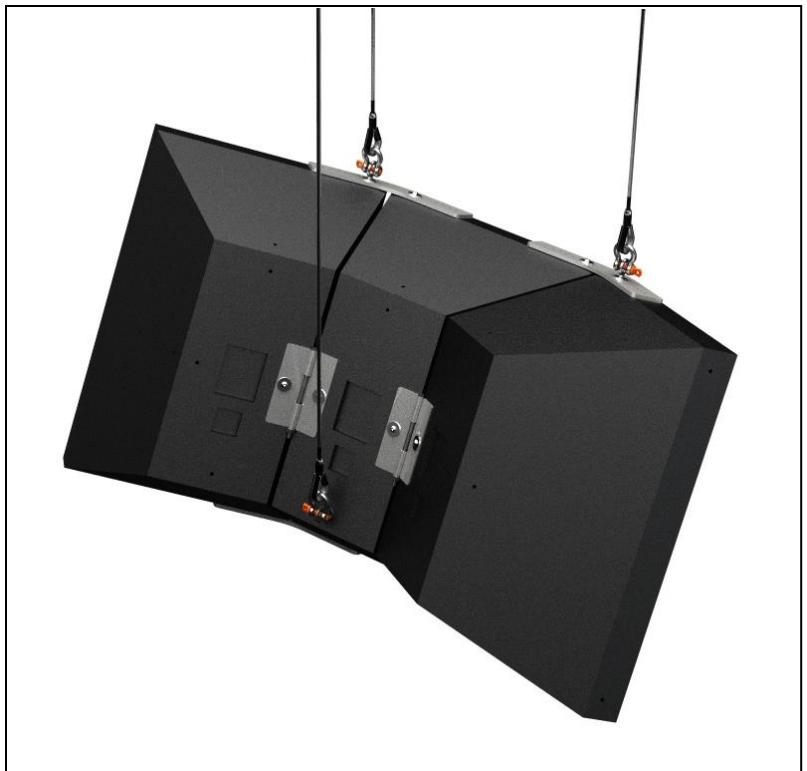


The FP-AX-3 planar array kit gives designers, contractors and audio consultants the ability to create three AX series speakers in a tight pack or splayed configurations. The FP-AX-3 kit provides a method of flying a planar or line array while offering the capability of allowing cabinets to be adjusted relative to each other to find the optimum sound directivity. A series of holes are provided to easily adjust the splay or tilt angle from 40° to 70° at an increment of 2.5° between speakers.

Installing speakers must be performed by experienced professionals. If in doubt about the integrity of the structure you are mounting or suspending to or not sure about the proper hardware or method to use, consult a certified rigging company.

Package contents:

2 pcs	Joiner Plate
4 pcs	Rear Hinge
1 pc	Hex bolt, 3/8-16x9"
1 pc	Nylock nut, 3/8-16
2 pcs	Eyebolt, 3/8-16x2.5
11 pcs	Button head socket screw, 3/8-16x1.5
15 pcs	Flat washer, 3/8
4 pcs	Flat head screw, 3/8-16x1.5
2 pcs	Eyebolt, 3/8-16x1.25



3 WIDE X 1 DEEP PLANAR ARRAY

CAUTION: PLEASE READ CAREFULLY BEFORE PROCEEDING

Due to the wide variety of building structures, materials and suspension methods, these instructions assume that the installing contractor/installer will exercise good judgment in selecting the proper mounting area and hardware. As a guide, the installation, when complete, should be capable of supporting at least 5 times the actual load. Follow building code requirements to safely suspend the speakers to the building structure

Note: Each speaker must always have a cable attached.

3 WIDE X 1 DEEP PLANAR ARRAY:

Step 1.

Flip the three speakers so that the front is facing down and lay them side by side. Unscrew existing speaker screws where the joiner plate will be installed. Discard screws.

Step 2.

Remove the screws at the rear and side of the speakers where the rear hinge will be attached (Figure 1).

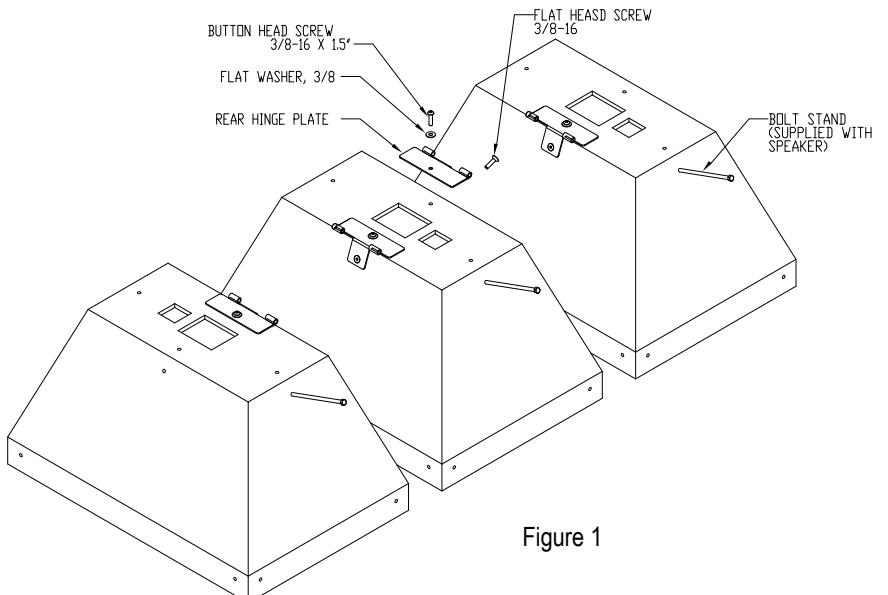


Figure 1

Step 3.

Attach two rear hinges to the rear of the center speaker and one on the rear of each side speaker using the provided button head screws, flat head screws and flat washers (Figure 1). Do not fully tighten screws.

Step 4.

Remove the screws on the bottom rear of the speaker and install the bolt stand (3/8 hex bolt supplied with speaker). The bolt will act as a leveler for the speaker during assembly (See EAW instruction sheet for the bolt stand installation) Figure 1.

Step 5.

Slowly flip the speaker assembly so that the grill of speakers are facing front. The bolt stand will act as a rear stand support and level for the speaker to easily connect the rear hinge assembly. gently move the speakers together until the rear hinge holes are aligned. Insert the 9" long hex bolt into the hole and secure with nylock nut. Do not over tighten nut, the hinge assembly should be able to rotate easily (Figure 2) .Make sure both hinges are in the correct mating orientation.

Step 6.

Flip the speakers assembly down again so that the grill of the center speaker is facing down.

Step 7. Install Joiner Plates

Determine the splay angle of the speaker and the holes to use on the joiner plates. Attached the joiner plates on the top and bottom rigging inserts of the center speaker first. Use the corresponding holes for the selected splay angles using the provided 3/8 button head socket screws and flat washers. Make sure the markings on the plates are facing up. Do not tighten screws; leave it snug until all plates are in position (Figure 3).

Step 8.

Attach the joiner plate to the side speakers by gently lifting the side speaker until the selected hole from the joiner plate matches

the hole of the speaker. Use the supplied button head screws and flat washers on the bottom end of the speaker cluster (Figure 3). Use the supplied 3/8-2.5" long eyebolt and flat washer on the top end of the speaker. Make sure both top and bottom joiner plates use the same holes (Figure 4). Do not tighten screws; leave it snug until all plates are in position.

Step 9.

Install one 3/8X1.25" long eyebolts, and washer to the lower back of center speaker for steep tilt angles (Figure 3). For shallow angles, install the eyebolts on the top rear insert of the center speaker (Figure 4).

Step 10.

When all plates are in position, tighten all screws permanently.

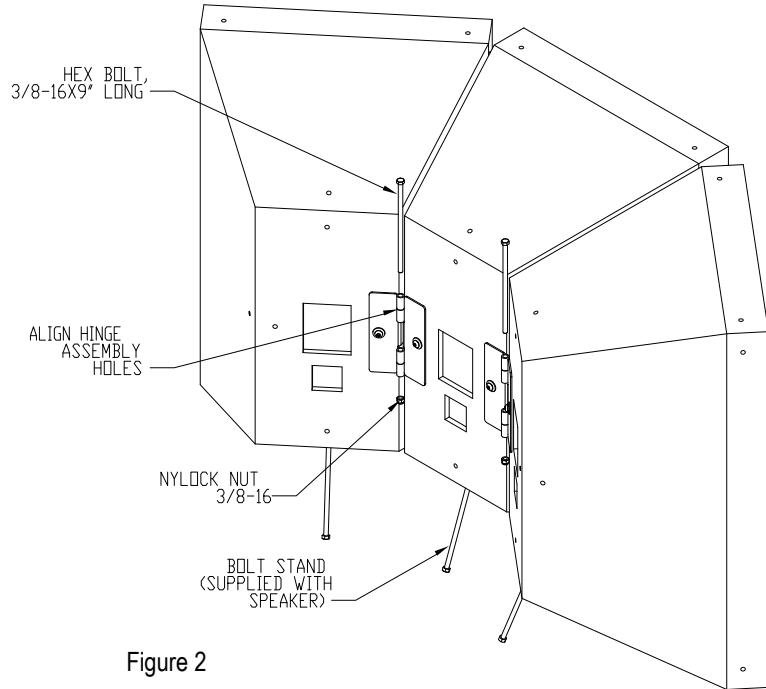


Figure 2

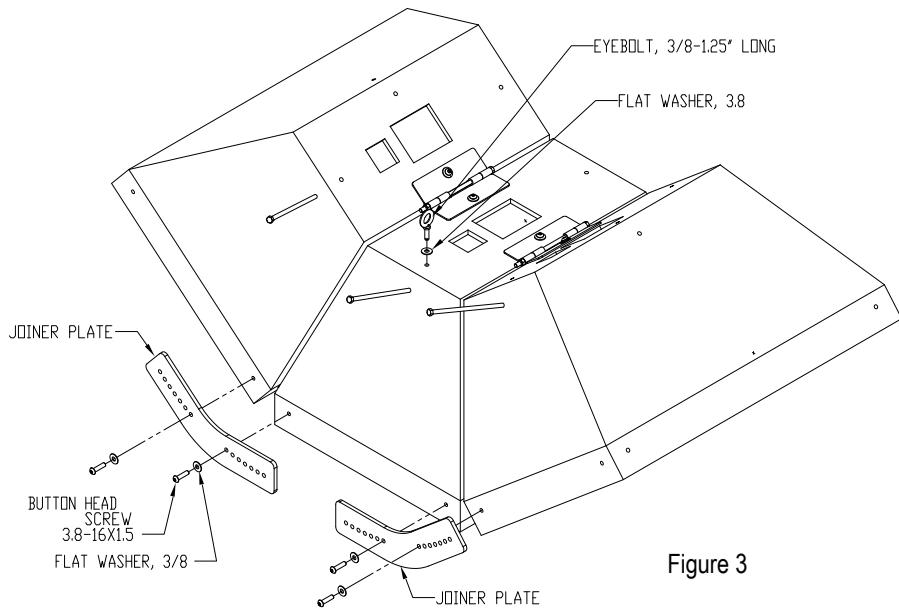


Figure 3

Step 11.

Attach a load rated suspension cables or chains on the top eyebolts. Use the rear eyebolts for pull back points and to adjust the tilt angle of the speaker cluster assembly as shown in the main illustration.

Step 12.

Remove the bolt stand and replace the original screws of the speaker before hoisting.

Step 13.

Check all hardware connections before hoisting cluster.

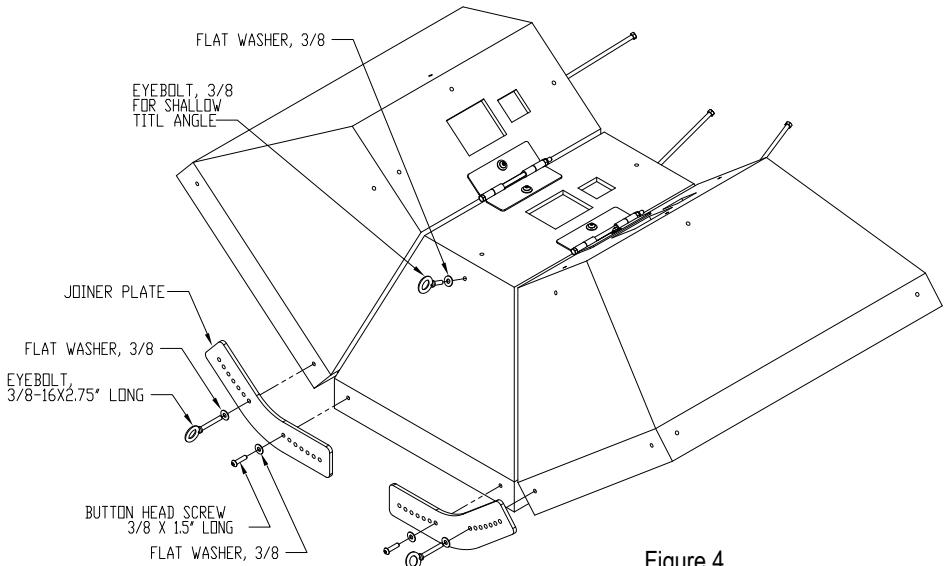


Figure 4

1 WIDE X 3 DEEP LINE ARRAY-HORIZONTAL

Step 1-7 From 3 WIDE X 1 DEEP PLANAR ARRAY Installation Instruction:

Step 8.

Attach the joiner plate to the side speakers by slowly lifting the side speaker until the selected hole from the joiner plate matches the hole of the speaker. Use the supplied button head screws and flat washers (Figure 3). Make sure both top and bottom joiner plates use the same holes. Do not tighten screws; leave it snug until all plates are in position.

Step 9.

Install the two 3/8X2.5" long eyebolts, and washers to the inserts of the designated upper speaker (Figure 5). Attach one 3/8 x 1.25" long eyebolt on the rear insert of the lowest speaker. Attach another 3/8x1.25" long eyebolt to the lower end insert of the center speaker; (remove the button head screw and replace with the eyebolt) Figure 5.

Step 10.

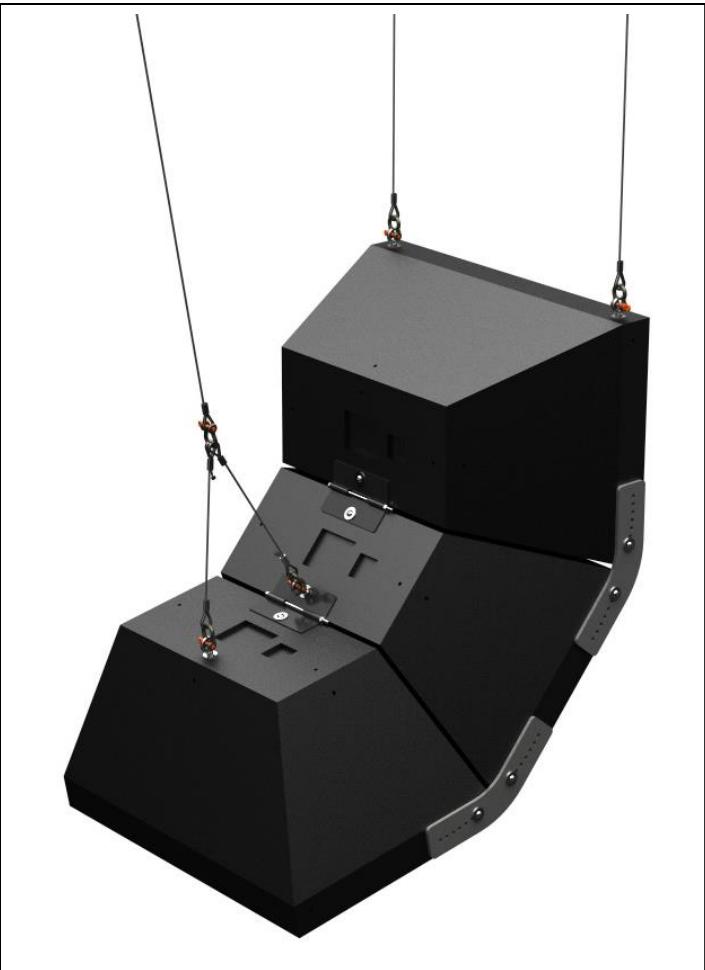
When all plates are in position, tighten all screws permanently

Step 11.

Attach a load rated suspension cables or chains to the top eyebolts. Use the rear eyebolts for pull back points and to adjust the tilt angle of the speaker cluster assembly as shown in the main illustration.

Note:

Pull back can be individual cable per speaker or can be bridled to a single point as shown in the 1 WIDE X 3 DEEP LINE ARRAY-HORIZONTAL main illustration.



1 WIDE X 3 DEEP LINE ARRAY-HORIZONTAL

Step 12.

Remove the bolt stand and replace the original screws of the speaker before hoisting.

Step 13.

Check all hardware connections before hoisting cluster.

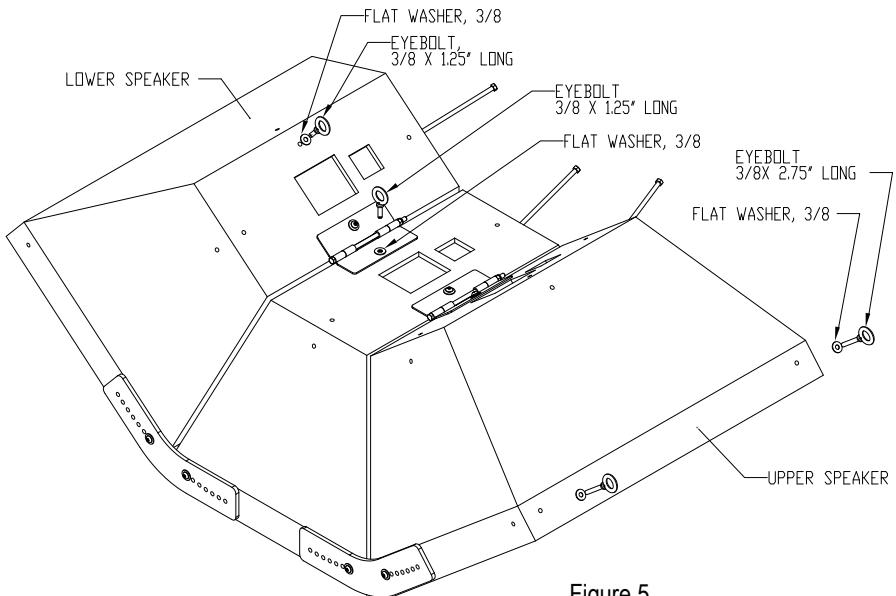


Figure 5

1 WIDE X 3 DEEP LINE ARRAY-VERTICAL

Step 1.

Flip the three speakers so that the grill is facing down and lay them end to end with the short side facing each other. Unscrew existing speaker screws where the joiner plate will be installed. Discard screws.

Step 2.

Remove the screws on the rear and side of the speakers where the rear hinge will be attached (Figure 6).

Step 3.

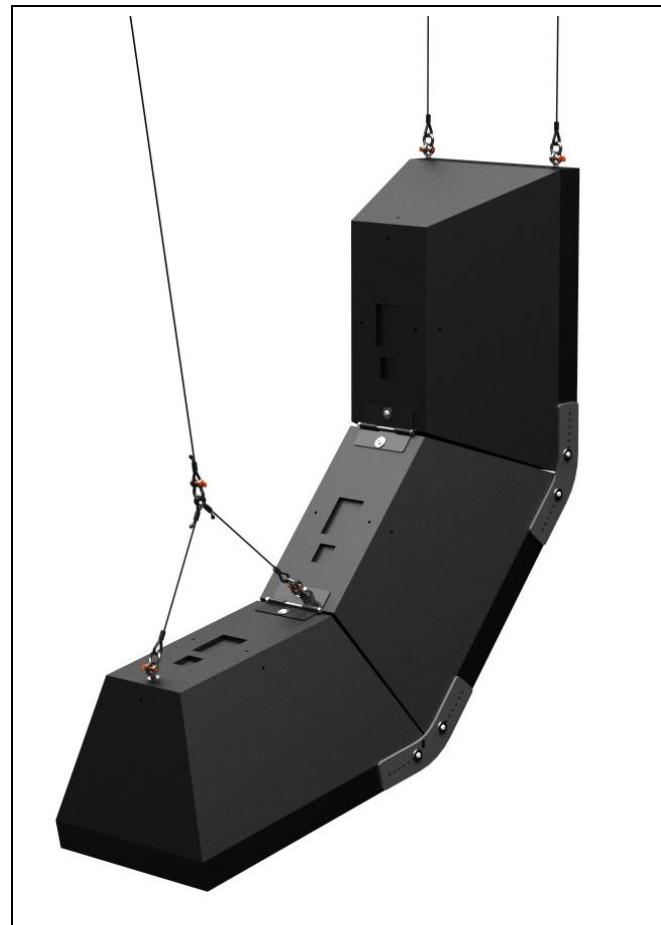
Attach the two rear hinge to the rear of the center speaker and one on the rear of both top and bottom speakers using the provided button head screws, flat head screws and flat washers (Figure 6). Do not fully tighten screws.

Step 4.

Remove the screws on the bottom rear of the speaker and install the bolt stand (3/8 hex bolt supplied with speaker). The bolt will act as a leveler for the speaker during assembly (See EAW instruction sheet for the bolt stand installation) Figure 6.

Step 5.

Slowly flip the speakers so that the grill of speakers are facing front. The bolt stand will act as a rear stand support and level for the speaker to easily connect the rear hinge assembly. Slowly move the speakers together until the rear hinge holes are aligned. Insert the 9" long hex bolt into the hole and secure with nylock nut. Do not over tighten nut, the hinge assembly should be able to rotate easily (Figure 7) .Make sure both hinges are in right mating orientation.



1 WIDE X 3 DEEP LINE ARRAY-VERTICAL

Step 6.

Flip the speakers assembly down again so that the grill of the center speaker is facing down.

Step 7. Install Joiner Plates

Determine the splay angle of the speaker and the holes to use on the joiner plates. Attached the joiner plates to the top and bottom rigging inserts of the center speaker first using the corresponding holes for the selected splay angles using the provided 3/8 button head socket screws and flat washers. Make sure the markings on the plates are facing up. Do not tighten screws; leave it snug until all plates are in position (Figure 8).

Step 8.

Attach the joiner plate to the side speakers by slowly lifting the side speaker until the selected hole from the joiner plate matches the hole of the speaker. Use the supplied button head screws and flat washers (Figure 8). Make sure both top and bottom joiner plates uses the same holes. Do not tighten screws; leave it snug until all plates are in position.

Step 9.

Install the two 3/8X2.5" long eyebolts, and washers to the inserts of the designated upper speaker (Figure 8). Attach one 3/8 x 1.25" long eyebolt on the rear insert of the lowest speaker. Attach another 3/8x1.25" long eyebolt to the lower end insert of the center speaker; (remove the button head screw and replace with the eyebolt) Figure 8.

Step 10.

When all plates are in position, tighten all screws permanently

Step 11.

Attach a load rated suspension cables or chains on the top eyebolts. Use the rear eyebolts for pull back points and to adjust the tilt angle of the speaker cluster assembly as shown in the main illustration.

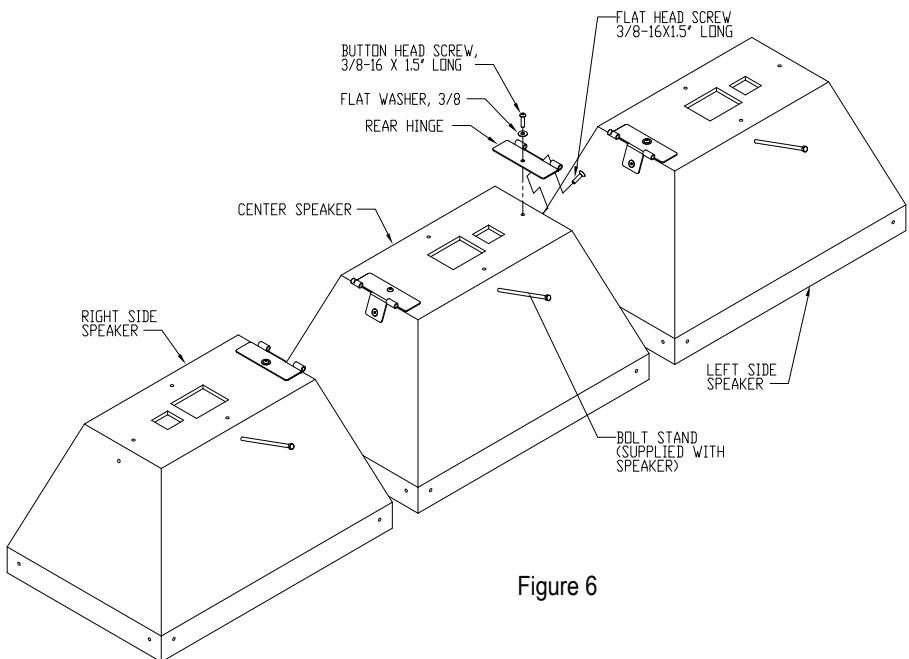


Figure 6

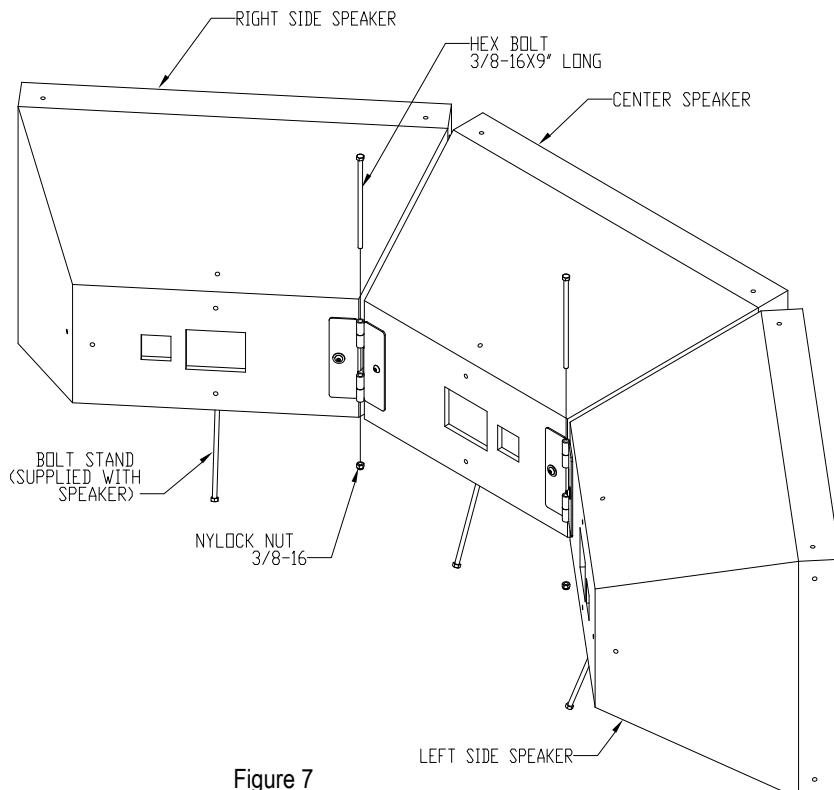


Figure 7

Note:

Pull back can be individual cable per speaker or can be bridled to a single point as shown in the 1 WIDE X 3 DEEP LINE ARRAY-VERTICAL main illustration.

Step 12.

Remove the bolt stand and replace the original screws of the speaker before hoisting.

Step 13.

Check all hardware connections before hoisting cluster.

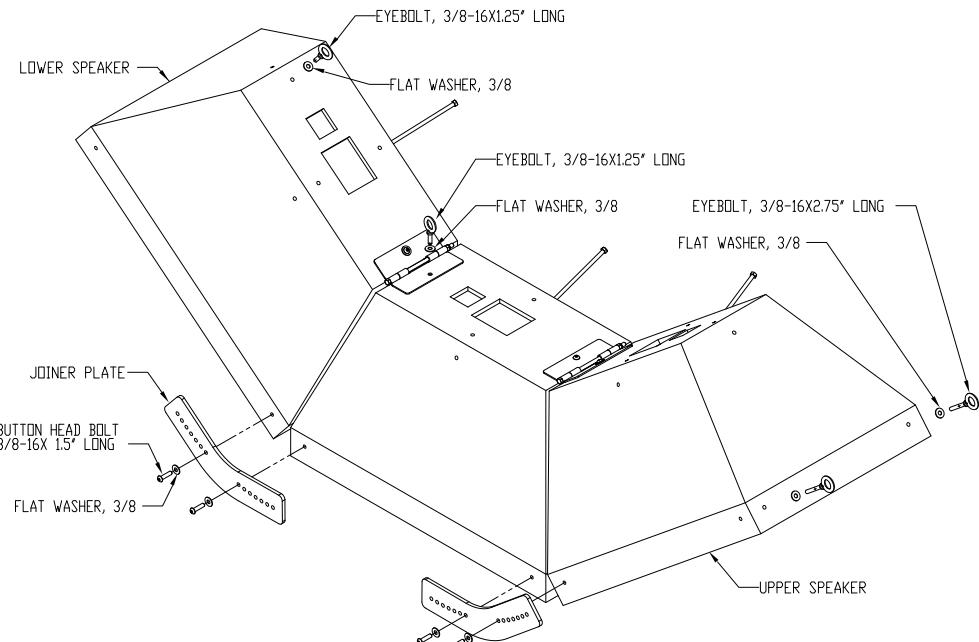


Figure 8

3 WIDE X 1 DEEP PLANAR ARRAY-HORIZONTAL

Step 1-8 From 1 WIDE X 3 DEEP LINE ARRAY-VERTICAL INSTALLATION INSTRUCTION.

Step 9.

Install the two 3/8X2.5" long eyebolts, and washers on top of the side speakers for primary suspension points (Figure 9).

Step 10.

Install one 3/8X1.25" long eyebolt and washer to the lower back of center speaker for steep tilt angles (Figure 9). For shallow angles, install the eyebolts on the top rear insert of the center speaker.

Step 11.

When all plates are in position, tighten all screws permanently.

Step 12.

Attach a load rated suspension cable or chains to the top eyebolts. Use the rear eyebolts for pull back points and to adjust the tilt angle of the speaker cluster assembly.

Step 13.

Remove the bolt stand and replace the original screws of the speaker before hoisting.

Step 14.

Check all hardware connections before hoisting cluster.

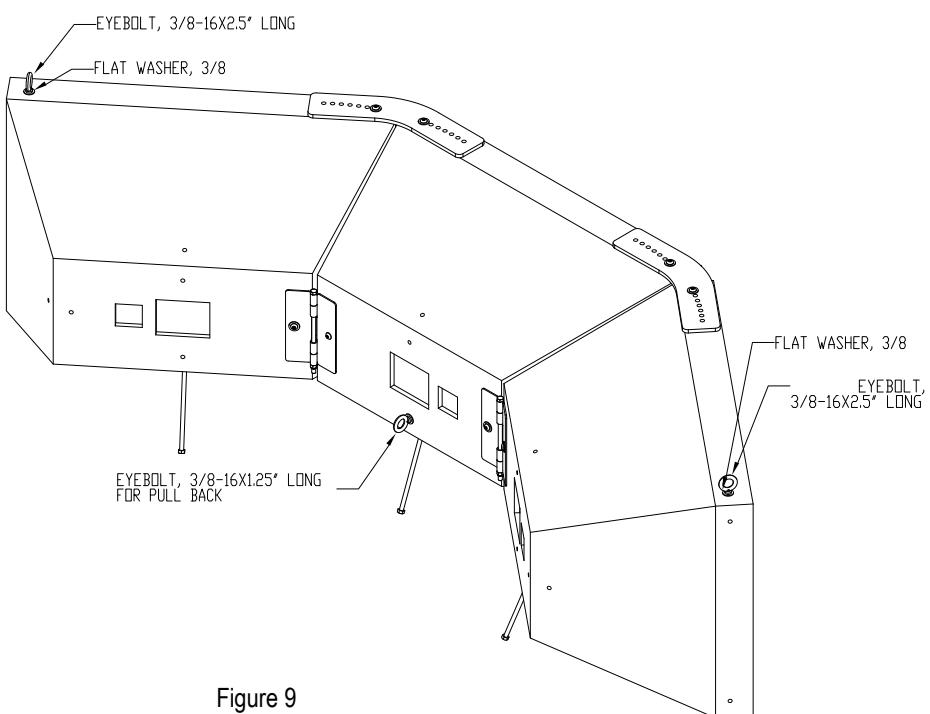


Figure 9