# Electro·Voice®

# Mb600
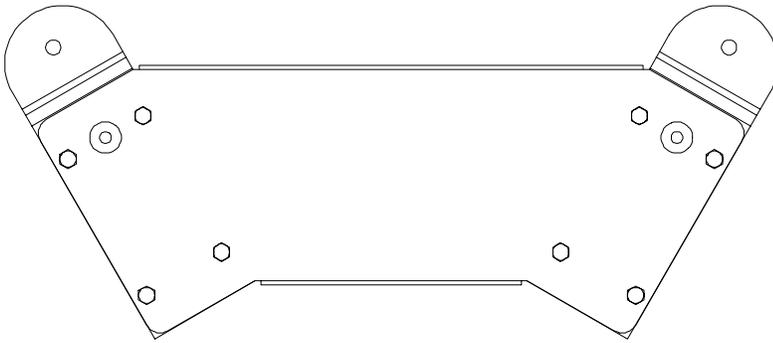## Horizontal Array Kit

- Array kit for System 2000™ speakers: Sx500[1]
- Creates arrays of two to six speakers when used with the Mb500 installation bracket
- Uses a 60° mounting angle
- Provides a rigid frame for single level arrays

1. At the time of publication, the only System 2000™ model to use the Mb600 installation kit is the Sx500. Additional models are planned, and the general concepts and instructions given here should remain applicable for later models.

### Description

The Mb600 horizontal array kit contains two brackets and 16 of each of the following: 5/16-18 x 1 hex-head bolts, 5/16 lock washers, 5/16-18 nuts. Chart 1 details part numbers, quantity and descriptions.

The Mb600 is used in conjunction with the Mb500 installation bracket to create a speaker array with speakers angled 60° from each other. Selection of the required number of each kit is shown in Chart 2.

Suspension of the speaker array is made easy with the five 12.7-mm (0.5-in.) holes located on the Mb600. A cable, chain quick link or other suitable hardware which is rated for overhead lifting (not supplied with the kit) can be used to connect to the array for flying.

### Assembling The Array

Refer to Figure 2 for the following steps:

1. Arrange the Mb500 brackets (E) (not supplied with this kit) on the floor in the approximate array pattern. Use one Mb600 bracket as a guide.

2. Place one Mb600 bracket (D) on top of two of the Mb500 brackets. Note: for arrays consisting of three speakers, place the second Mb600 bracket on top of the first (see Figure 3A). For arrays with four or more speakers, alternate the Mb500 brackets—one top, one bottom, one top, etc.

3. Insert eight of the 5/16 bolts (C) through the aligned holes of the Mb500 and Mb600.

4. Place the lock washer (B) and then the nut (A) on one of the bolts. Tighten the nut until the lock washer is compressed.

5. Repeat step 4 on the remaining seven bolts.

6. Flip the array over and repeat steps 2-5.

7. Install the speakers into the Mb500 brackets following the Mb500 engineering data sheet **Flying Instructions** steps 1-7, as shown in Figure 2B. Figure 3B shows a three-speaker array.

### Suspending the Array

**Warning: Suspending any object is potentially dangerous and should be attempted only by individuals who have a thorough knowledge of the techniques and regulations of rigging objects overhead. Electro-Voice sanctions suspending the Systems 2000™ speakers only when all current national, federal, state and local regulations are taken into account. When the System 2000™ speaker is suspended, Electro-Voice strongly recommends that the systems be inspected at least once a year. If any sign of weakness is detected, corrective action should be taken immediately.**

Refer to Figures 2 and 3 for the following steps:

1. Locate the five 12.7-mm (0.5-in.) holes on the Mb600 bracket. These are used as attachment points for suspending the System 2000™ array. Suspending an array of two speakers requires the four attachment points as shown by quick links (see Figure 2B). Arrays which contain more that two speakers require at least two attachment points per bracket (see Figure 3B).

2. A cable, chain quick link or other suitable hardware rated for overhead lifting (not supplied) can be used to connect to the attachment points on the Mb600 array bracket for flying.

## Uniform Limited Warranty Statement

Electro-Voice products are guaranteed against malfunction due to defects in materials or workmanship for a specified period, as noted in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual, beginning with the date of original purchase. If such malfunction occurs during the specified period, the product will be repaired or replaced (at our option) without charge. The product will be returned to the customer prepaid. **Exclusions and Limitations:** The Limited Warranty does not apply to: (a) exterior finish or appearance; (b) certain specific items described in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual; (c) malfunction resulting from use or operation of the product other than as specified in the product data sheet or owner's manual; (d) malfunction resulting from misuse or abuse of the product; or (e) malfunction occurring at any time after repairs have been made to the product by anyone other than EVI Audio Service or any of its authorized service representatives. **Obtaining Warranty Service:** To obtain warranty service, a customer must deliver the product, prepaid, to EVI Audio Service or any of its authorized service representatives together with proof of purchase of the product in the form of a bill of sale or receipted invoice. A list of authorized service representatives is available from EVI Audio Service at 600 Cecil Street, Buchanan, MI 49107 (800/234-6831 or FAX 616/695-4743)**. Incidental and Consequential Damages Excluded:** Product repair or replacement and return to the customer are the only remedies provided to the customer. Electro-Voice shall not be liable for any incidental or consequential damages including, without limitation, injury to persons or property or loss of use. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you. **Other Rights:** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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For warranty repair, service information, or a listing of the repair facilities nearest you, contact the service repair department at: 616/695-6831 or 800/685-2606.

**For technical assistance,** contact Technical Support at 800/234-6831 or 616/695-6831, M-F, 8:00 a.m. to 5:00 p.m. Eastern Standard time.

Specifications subject to change without notice.

**Chart 1: Mb600 Horizontal Array Kit Parts List**

| Item | Part Number | Quantity | Description |
|------|-------------|----------|-------------|
| A | 20597 | 16 | 5/16-18 nut |
| B | 38144 | 16 | 5/16 split-ring lock washer |
| C | 63105 | 16 | 5/16-18 x 1 hex head bolt |
| D | 73675 | 2 | Array bracket |

**Chart 2: Kit Requirements for System 2000™ Horizontal Array Construction**

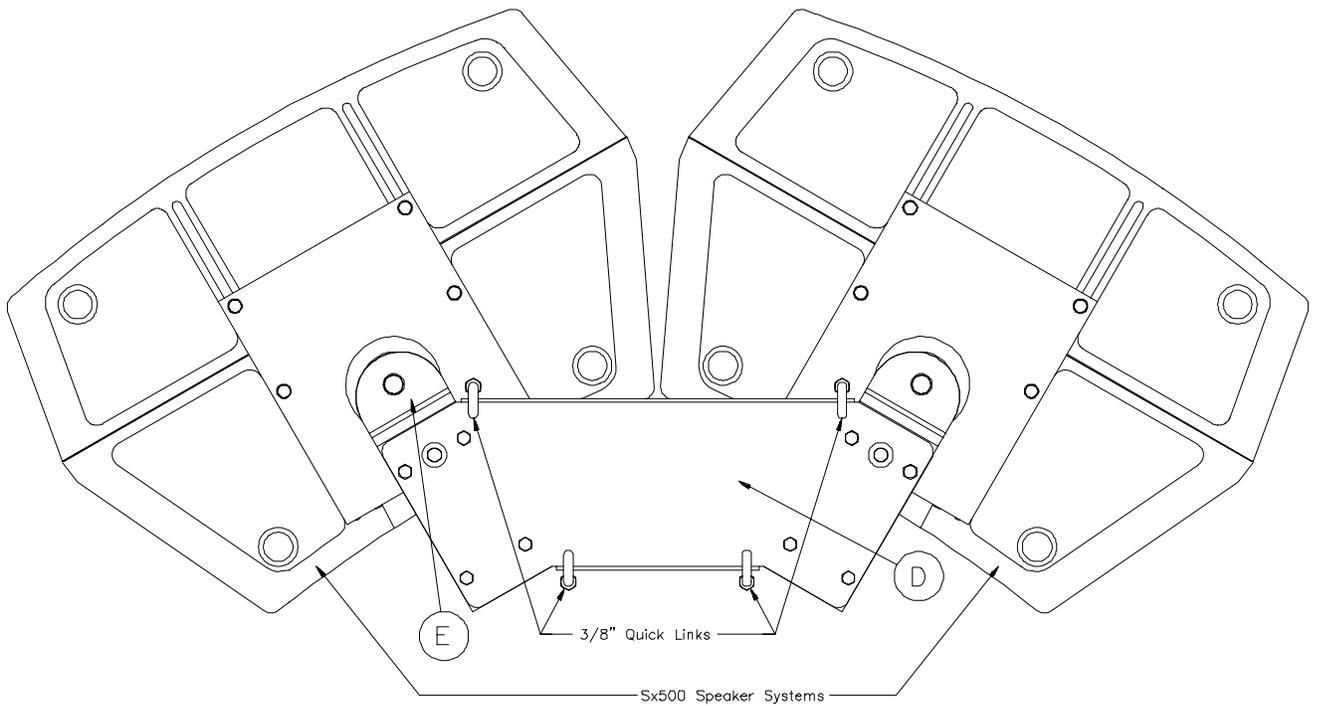| | # of Kits Required | |
|-------------------------|--------|--------|
| # of Enclosures in Array: | Mb500 | Mb600 |
| 2 | 2 | 1 |
| 3 | 3 | 2 |
| 4 | 4 | 3 |
| 5 | 5 | 4 |
| 6 (complete circle) | 6 | 6 |

**Figure 1—Mb600 Horizontal Array Kit
Dimensions**
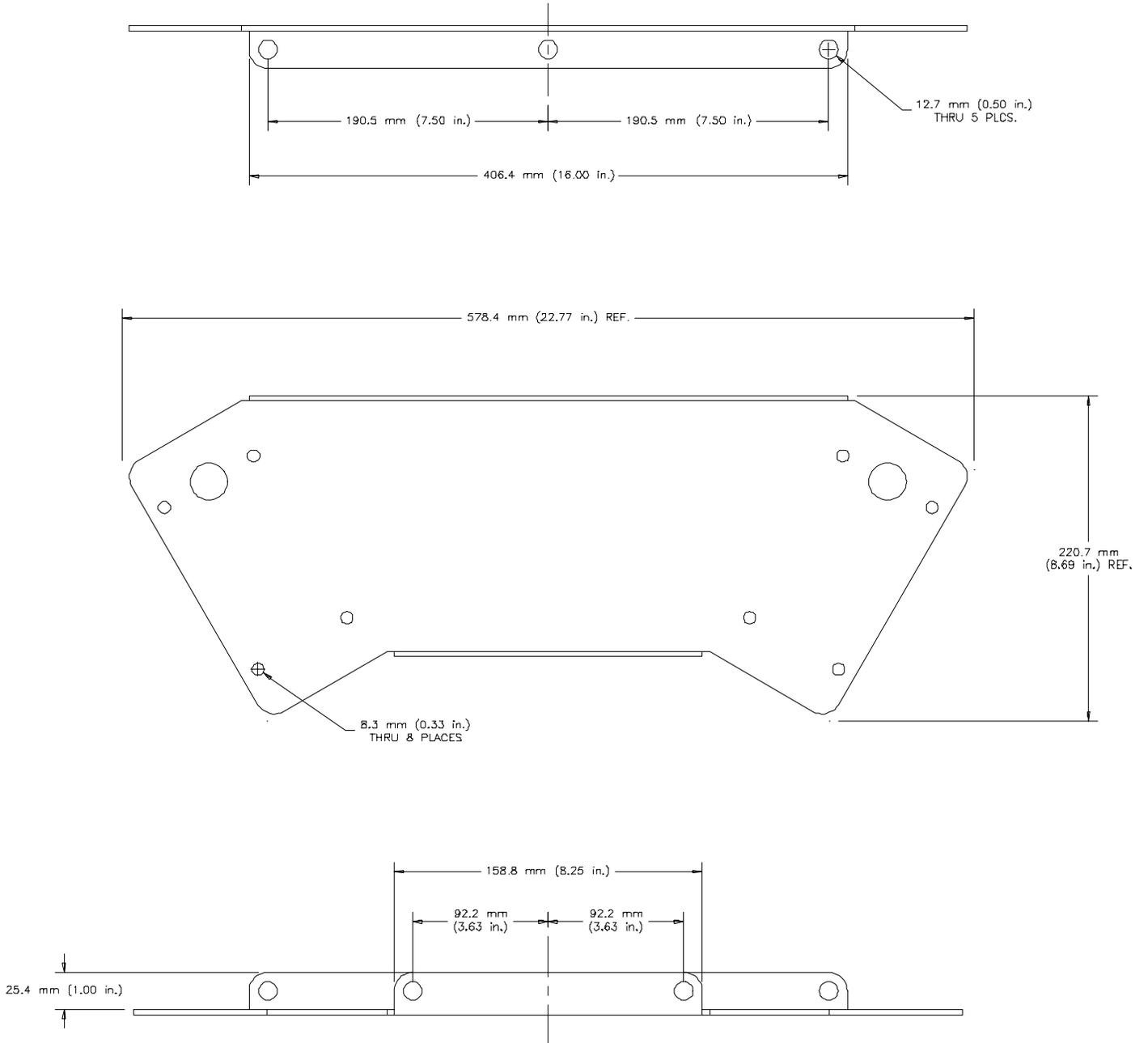
**Figure 2—Top/Bottom View of Frame Structure of a Two-Speaker Horizontal Array using Mb600 and Mb500 Brackets**
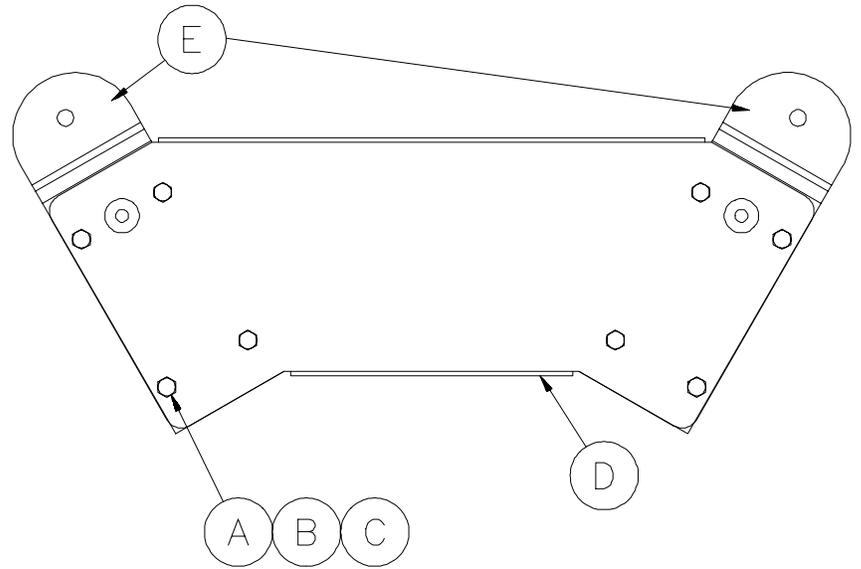


**Figure 2B—Two-Speaker Horizontal Array using Mb600 and Mb500 Brackets**



3/8" Quick Links

Sx500 Speaker Systems

**Figure 3A—Top/Bottom View of Frame Structure of a Three-Speaker Horizontal Array using Mb600 and Mb500 Brackets**
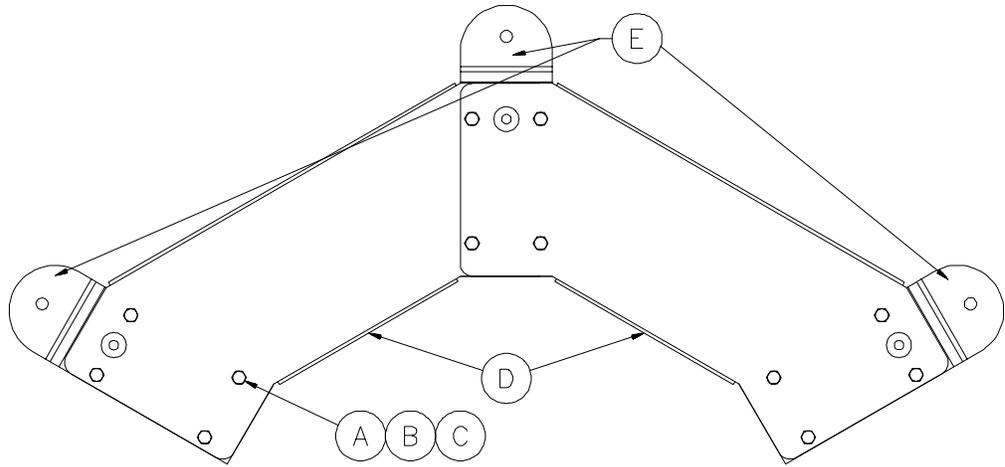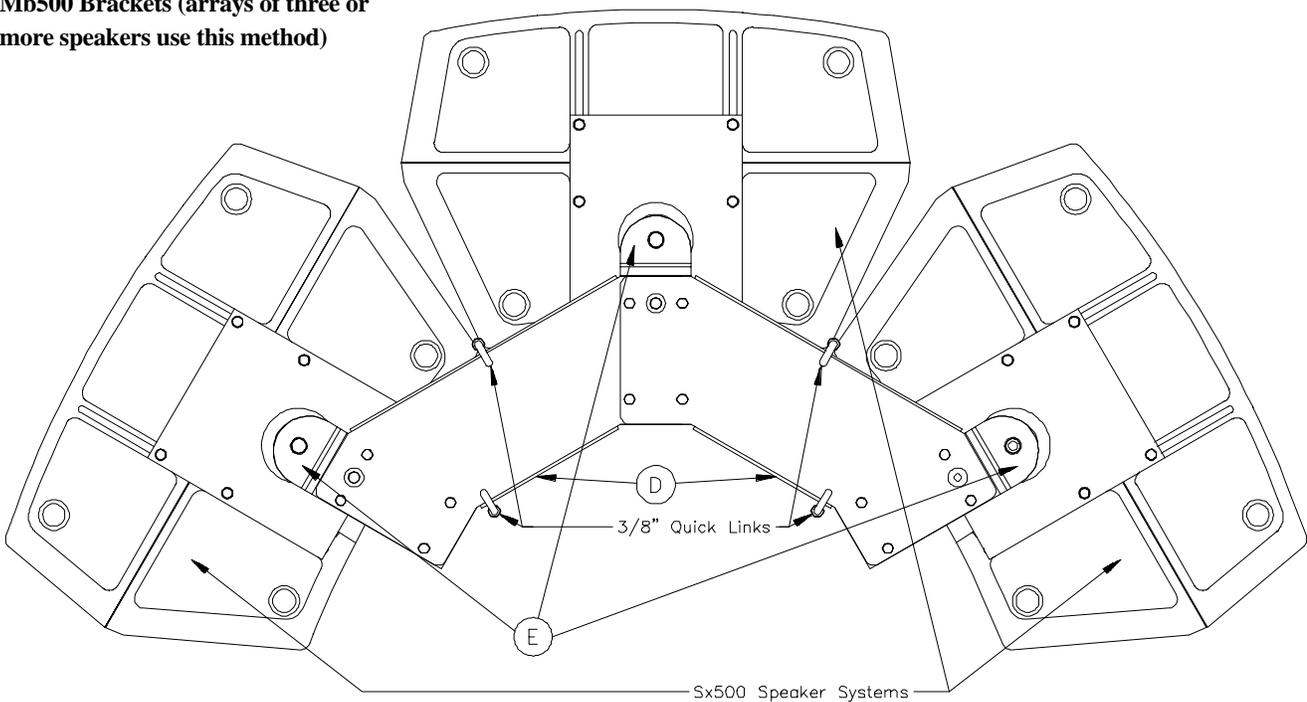
**Figure 3B—Three-Speaker Horizontal Array using Mb600 and Mb500 Brackets (arrays of three or more speakers use this method)**

Mb600 Horizontal Array Kit

## Specifications

**Suspension Holes:**
Five 12.7-mm (0.5-in.) diameter holes
(see Figure 1)
**Mb600 Mounting Holes:**
Four 8-mm (5/16-in.) diameter holes
**Material:**
10-gauge cold-rolled steel
**Finish:**
Black wrinkle powder coat
**Net Weight:**
5.9 kg (13 lb)
**Shipping Weight:**
6.8 kg (15 lb)

# Electro-Voice®

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