



CPL SERIES MOUNTING/RIGGING POINTS

There are three 3/8"-16 threaded mounting/rigging points on the top and three on the bottom of the enclosure. These are for attaching the enclosure to a rigging system for mounting or suspending the loudspeaker. Remove the Allen-head bolts with a 7/32" Allen wrench and replace with structural eyebolts or other properly load-rated hardware. It is recommended that you use the Community EYBLTKIT, containing four forged, load-rated eyebolts, with a steel cup-washer for each. The bottom rear point can be used as a pull-back point to set a down-angle for the loudspeaker.

Each mounting/rigging point has a WLL (Working Load Limit) of 150 lb. vertical pull meaning perpendicular to the enclosure surface (see FIGURE 1). The WLL must be de-rated for any other direction of pull according to formula: $WLL = \text{COSINE}(\text{Pull angle}) \times 150$. TABLE 1 shows the derated WLL for several pull angles.

Pull Angle	WLL	Pull Angle	WLL
0° (vertical)	150 lb.	45°	105 lb.
20°	140 lb.	50°	95 lb.
30°	130 lb.	60°	75 lb.
40°	115 lb.	70° to 90°	50 lb.

TABLE 1: Derating The Mounting Rigging Points

In FIGURE 1 the "Cutaway View" of the mounting/rigging points shows their construction; the "Outside View" shows the large, slotted screw heads of the retainer bolts that are on each side and the back of the enclosure.

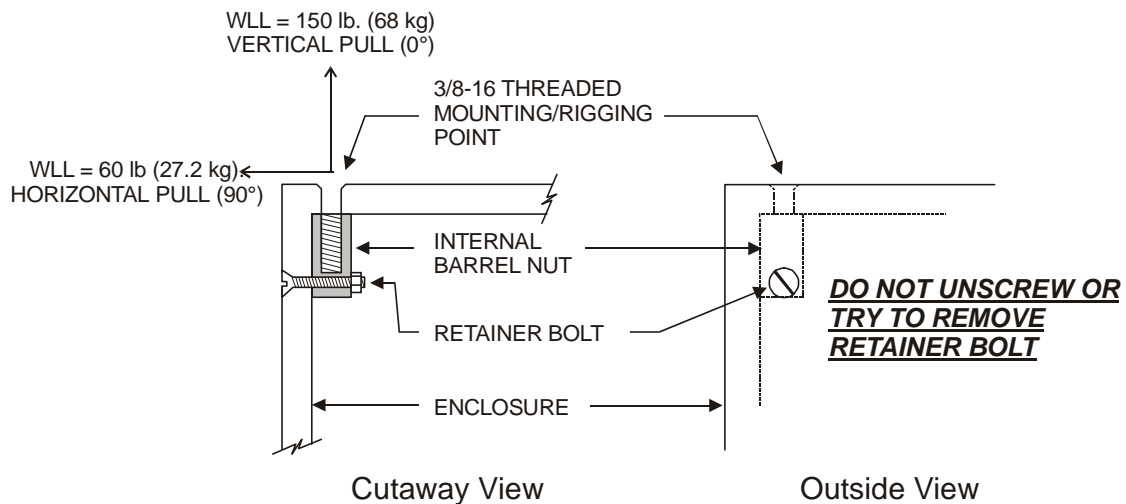


FIGURE 1: CPL Mounting/Rigging Points

DANGER:

THE RETAINER BOLTS PERMANENTLY SECURE THE MOUNTING/RIGGING POINTS TO THE ENCLOSURE. DO NOT TRY TO UNSCREW, REMOVE OR OTHERWISE DISTURB ANY OF THESE BOLTS. DOING SO WILL DAMAGE THE MOUNTING/RIGGING POINTS AND MAKE THEM UNSAFE TO USE FOR MOUNTING OR RIGGING THE ENCLOSURE.



CPL SERIES INPUT PANEL CONNECTIONS

FULL RANGE LOUDSPEAKERS

The input panel must be configured and connected correctly for the loudspeaker to function properly. These instructions apply to CPL42, CPL43, CPL46, and CPL47.

PASSIVE Operation (Refer to FIGURE 2A)

For PASSIVE operation (single amplifier), two jumpers MUST be installed as shown, connecting each pair of the screw terminals marked "JUMPER". The loudspeakers are shipped from the factory with these jumpers installed. Connect the loudspeaker input cable to the two right-most screw terminals, observing the polarity shown. No connections are made to any of the other screw terminals.

BIAMP Operation (Refer to FIGURE 2B)

For BIAMP operation (separate LF and HF amplifiers) NO jumpers are used. Connect the input cable from the LF amplifier to the two right-most screw terminals, observing the polarity shown. Connect the input cable from the HF amplifier to the two screw terminals to the left of the LF input terminals, observing the polarity shown. There is no connection (N/C) to the left-most screw terminal.

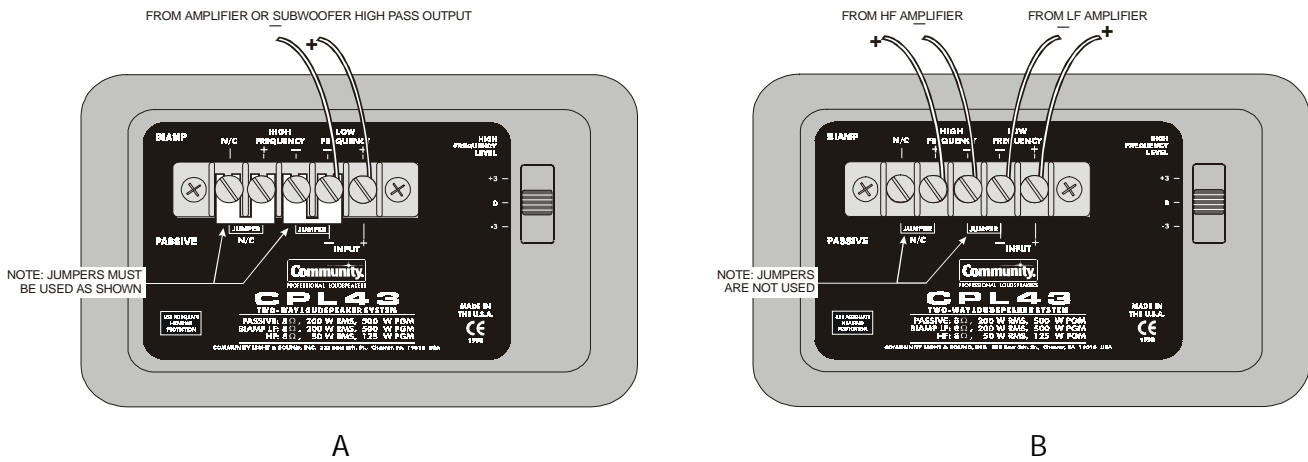


FIGURE 2: PASSIVE and BIAMP Connections

CPL SUBWOOFERS (Refer to FIGURE 3)

Connect the input cable to the two right-most screw terminals, observing the polarity as shown. If a full-range loudspeaker is to be connected so that both it and the subwoofer operate from one amplifier channel, connect a cable between the HIGH PASS OUTPUT screw terminals, observing the polarity shown, and the two right-most screw terminals on the full-range.

Note: No connection (N/C) is ever made to the center screw terminal.

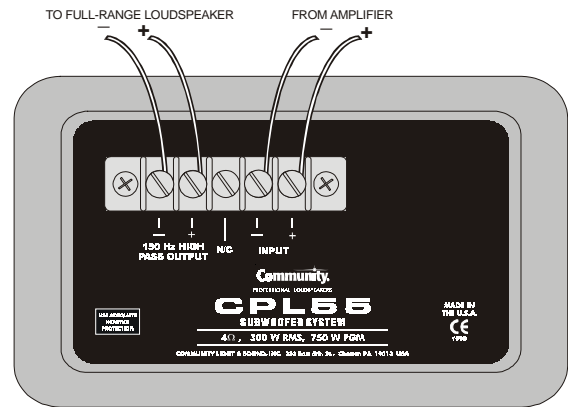


FIGURE 3: Subwoofer Connection