

Abstracta Assembly Instructions

Important

Before beginning to assemble, compare the packing list with components received. Do not mix components. Line up your tubes in successive lengths, and your connectors in successive numbers of arms. A color-coded drawing is attached if you have ordered a stock or custom design. Please refer to the color-coding legend on the inside front cover.

Caution

Before moving the display, make sure that all tubes are hammered completely onto the connector arms. Leave no space between the tube and shoulder of the connector arms. Often the tube ends will scrape a bit of finish off the connector shoulders-because of the tight fit. Remove such small splinters with the flat end of your nylon mallet. Do not use your fingers, unless you wear leather gloves, as you may otherwise sustain small skin cuts.

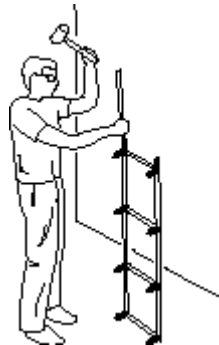
Step One

Insert connectors into tubes making sure the connectors are square to each other. Follow this procedure through-out assembly.



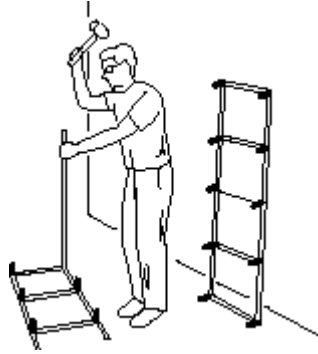
Step Two

Consider all vertical members of any structure a sort of "ladder" and assemble them first.



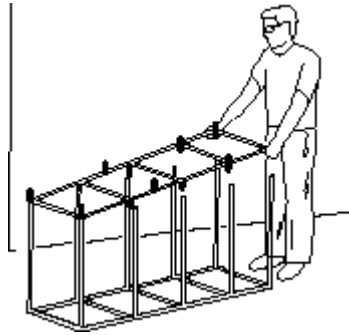
Step Three

When all ladders are complete, lay an end ladder on the floor and hammer in the first set of horizontal tubes.



Step Four

Hammer in ladder number two slanting the ladder slightly to insert the first pair of connector arms into the first pair of tubes by about 1/4", then insert the second pair of connector arms into the second pair of tubes and continue until all connector arms are loosely inserted into the tubes. Then hammer in all the connectors half way, and finally go over them once more, hammering them in all the way. This progression is to avoid stressing the connector arms.



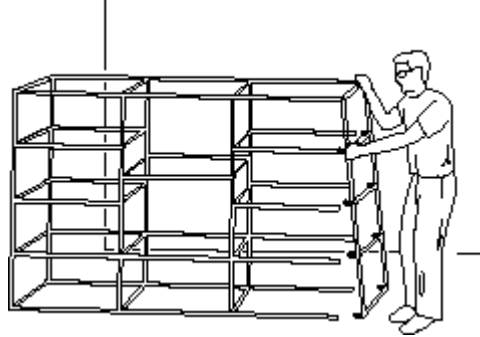
Step Five

Hammer in the second set of horizontal tubes. Caution: use a small piece of wood to butt-up against when hammering in tube in "off-set" section (see illustration). This is to avoid damaging connectors and tubes. Add ladder three and turn the fixture right side up, so you can hammer in the last set of horizontal tubes, again using the small piece of wood to butt-up against in the "off-set" section.



Step Six

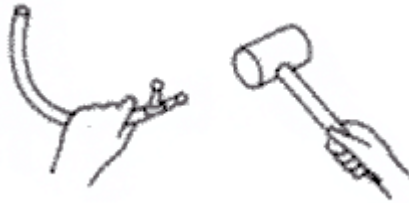
Hammer in the end ladder, and carry the display over to its proper place. Attach shelf brackets and any accessory parts before installing shelving.



Special Instructions

Curved Tubes Hold curved tube in hand, place connector in tube, and using mallet, hammer connector into tube.

Hold one curved tube in hand, using wood block as brace, hammer end of second tube to make one-half circle.



Troubleshooting

Lubrication Use WD40 or other lubricant if you will be taking unit apart consistently or if you have difficulty attaching connectors to tubes.

Broken Connector

If a connector arm has broken off at the base of the joint and is stuck in the tube, it is preferable to knock it out from the opposite end with a 5/16" diameter steel rod that is longer than the tube. If the opposite end is attached to another connector, try to knock the broken arm far enough into the tube with a screwdriver and mallet so that there is enough room for a replacement connector.

The information in these instructions is available in [PDF](#) format.