

Pro Cyc LT120 Portable Light Truss Setup Instructions

MISSION STATEMENT

Pro Cyc®, Inc. is the world leader in design and sales of modular cycloramas and green screen systems. Our mission is to work closely and ethically with our suppliers, employees and strategic partners in a concerted effort to provide our customers with the highest-quality, cost-effective, custom solutions that will meet or exceed any technical requirements for the broadcast-video, motion-picture or photography industries.

Your contents include: (Fig. 1)

- 1 each: 80" black crossbar
- 1 each: 40" black crossbar
- 2 each: silver flat bracket fitting w/ 4 holes
- 4 each: 1/2"-13 super nut w/ spring
- 4 each: 1/2"-13 springless super nut
- 8 each: 1/2"-13 x 1.25" long hex cap bolt
- 2 each: 1/2"-13 blue & silver kwik washer
- 2 each: American Grip Stands
- 2 each: 1/2"-13 hex nut
- 2 each: 1/2" flat washer

LT120 Assembly Instructions

1. Opening and Positioning the Stands: Open and secure two American Grip™ stands. Place both American Grip™ stands in the desired final position in your studio and raise each to a desirable working height. (Once the crossbar has been attached to the stands you will then raise it to the final working height.) Use the drilled safety holes on each stand as a reference point to make sure both stands are at equal height.

2. Assembling the Crossbars:

- Place the 80" and 40" crossbars next to each other end to end on the ground, separated by just a few inches. Gather and place the hardware pictured within close reach of where the two ends meet (Fig. 2).
- Turn the crossbars so the channels are facing up. Insert two of the four 1/2" -13 super nuts with springs into the ends of the crossbar channels as pictured, with the springs facing down toward the center of the crossbar channels (Fig. 3).
- Move the crossbars close together (less than an inch apart but not touching) and align the two inside holes of the silver flat bracket fitting over the super nuts, one over each crossbar. Insert one 1/2"-13 x 1.25" long hex cap bolt through the top of the bracket, into each super nut and secure loosely leaving about 1/8" of the bolt out (Fig. 5).
- Using your index finger slide one 1/2"-13 springless super nut under each of the remaining holes on the silver bracket with grooves in the nut facing up toward the silver bracket (Fig. 6). Insert the hex cap bolts and loosely secure the silver brackets (Figs. 7,8).
- Turn the crossbar assembly over and repeat the steps ii – iv above on the other side (Figs. 9,10).

3. Tightening the Crossbar Assembly: Once the brackets are loosely secured on both sides, grip the crossbars firmly on both sides of the silver bracket and push them together as close as possible (Fig. 11) making sure the bolts are equal on both sides of the seam. Using a ratchet, tighten each of the 8 bolts very tightly, firmly securing the crossbars together (Fig. 12). For maximum security and stability, we suggest using a torque wrench and tightening each bolt to 60 foot pounds (Fig. 13).

4. Placing the Assembled Crossbar on the Stands: Using two people lift the crossbar assembly up onto the threaded studs on top of the American Grip stands, inserting the threaded studs through the outermost holes at each end of the crossbar channel (Fig. 14). Place the 1/2" flat washers over the threaded fittings and secure with the 1/2"-13 hex nuts over the washers (Figs. 15,16). Once the crossbar is secured on the stands, insert the two 1/2"-13 blue & silver kwik washers into the channel on the underside of the crossbar (Fig. 17). Once inserted, twist 90 degrees to secure. The kwik washers can slide along the channel to the desired position.

5. Attaching Lights: Fig. 18 shows the crossbar attached to the stands before they have been raised to their final height. Depending on the type of lights you will be hanging, attach the appropriate Pro Cyc adapters (sold separately) to the blue and silver kwik washers and then secure the lights and safety cable.

6. Raising the Stands: Using one person on each stand, grip the stands firmly with both hands, loosen the handle and raise each stand simultaneously until they are at the desired final height. Use the drilled safety holes as a reference point to make sure both stands are at equal height. Once desired height has been confirmed on both stands, tighten securely with the handle, then insert the cable secured cotter pins on each stand in the safety hole closest to and just above the handle, then lock with the wire clip (Figs. 15,16).

FIG. 1

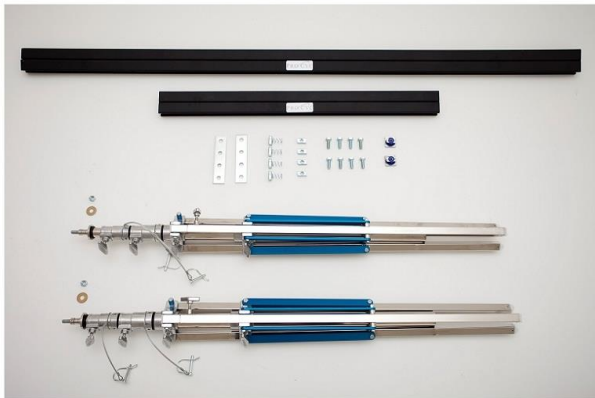


FIG. 2

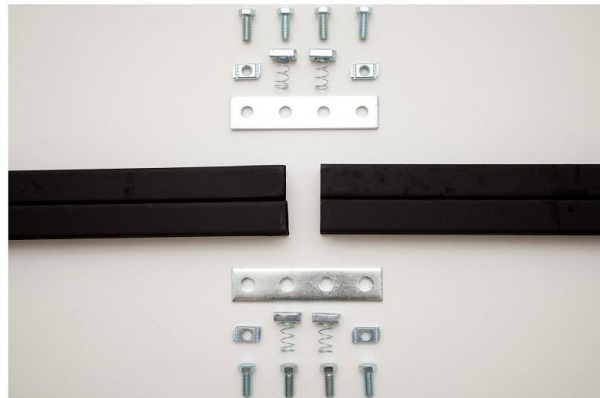


FIG. 3

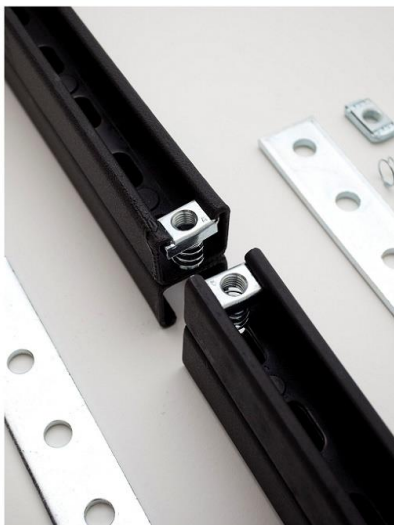


FIG. 4



FIG. 5

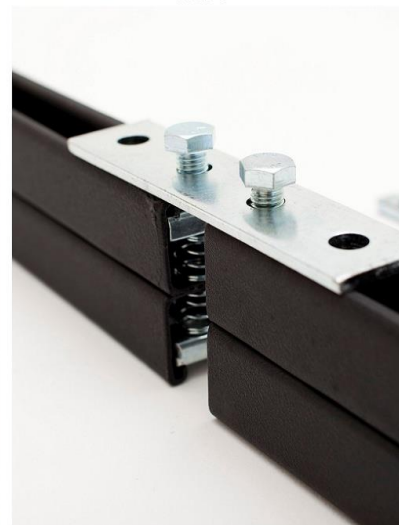


FIG. 6



FIG. 7



FIG. 8



FIG. 9



FIG. 10



FIG. 11

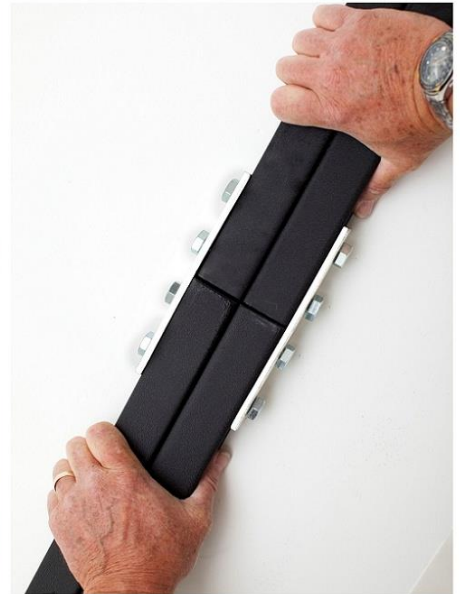


FIG. 12



FIG. 13



FIG. 14



FIG. 15



FIG. 16



FIG. 17



FIG. 18



If you have any questions regarding the assembly or use of your LT120 light truss, please email info@procy.com or call (503) 723-7448 between the hours 7:30am – 4:00pm Pacific.

Green Screen Lighting Tips:

1. Lights should be set back 1 ft. for every 2 ft. of green screen height (e.g. if your green screen is 8 ft. high, set the lights 4 ft. away from the back wall of the green screen).
2. Lights should be aimed downwards at a 45-degree angle towards the green screen.
3. Pro Cyc recommends one 4 ft. fluorescent light fixture for every 5-6ft. of green screen width.
4. Your subject or talent should be lit with separate lights.