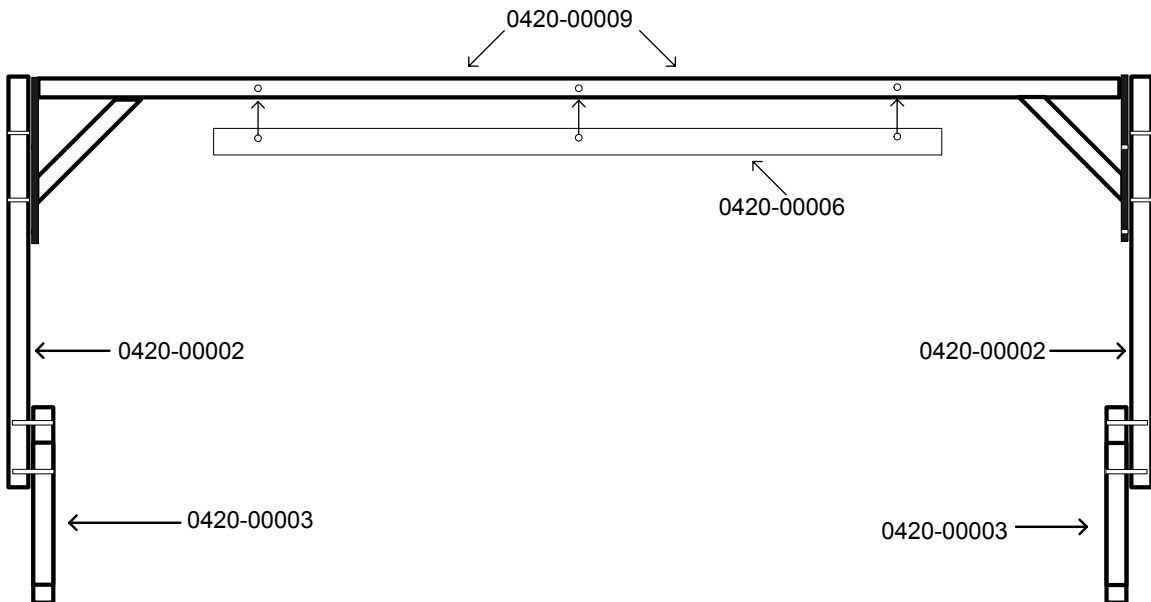


# Assembly Instructions for The Apprentice and The BOSS GROW Stands

Come hang with us!!



Picture: Courtesy of Hydro-Tek, Livermore CA



## Bill of materials:

Item	Description	Dimension	WCG_Part Number	Qty.	Verified
1	<b>Ship Kit_ The BOSS</b>	<b>9 Foot Support</b>	<b>0240-00009</b>	<b>1</b>	
1	WCG POD	1-1/4" x 1-1/4" - ST_PWDR	0420-00003	2	
2	WCG_Overhead Rail	1-1/4" x 1-1/4" - ST_PWDR	0420-00009	1	
3	WCG_Support Tube	1-1/4" x 1-1/4" - ST_PWDR	0420-00002	2	
4	Black square end caps_Tubes	1-1/4" x 1-1/4" - plastic	0015-00001	10	
5	S-Hook	1-1/2"	0030-00004	8	
6	TENSO Chain YEL 2/0 x 175	26"	0015-00002	6	
7	Eye Bolt	1/4" x 4" - Zinc	0030-00005	6	
8	Sheet metal screw_AC/Acc.	#8 x5/8"	0030-00006	8	
9	Flat cut Washer	1/4" Zinc	0030-00007	44	
10	Lock washer	1/4"	0030-00008	22	
11	Hex nut coarse thred_wheel	3/8" - Zinc	0030-00014	4	
12	Wheel, Locking	soft rubber	0015-00005	2	
13	Wheel, Non-locking	soft rubber	0015-00004	2	
14	Hex nut coarse thred	1/4" - Zinc	0030-00009	28	
15	Bolt POD_TO_Sup. Tube	1/4" x 3" - Zinc	0030-00010	4	
15	Bolt_OH_rail to tube_OH_rail to ballast	1/4" x 2" - Zinc	0030-00011	8	
17	Bolt_Back_TO_Back_ballast	1/4"x 2.5"-Zinc	0030-00013	2	
18	Tie wraps	7 inch	0015-00003	10	
19	AC power strip	6_outlet pwr strip	0015-00006	1	
20	Assembly Instructions	Ass. Inst.	0250-00001	1	
1	<b>Light mover intigration kit</b>	<b>Mover_six feet</b>	<b>0240-00006</b>	<b>1</b>	
1	Machine screw_mover	#8-32 x 1/2" - Zinc	0030-00001	12	
2	Lock washer_mover	#8	0030-00002	12	
3	Nut_mover	#8-32	0030-00003	12	
4	LM Bracket	Frame	0420-00006	1	
5	Single Lamp stabilizer kit	Kit Stabilizer	0240-00017	1	
6	Lock washer	1/4"	0030-00008	3	
7	OH_rail to LM Frame	1/4" x 2" - Zinc	0030-00011	3	
8	Flat cut Washer	1/4" Zinc	0030-00007	6	
9	Assembly Instructions	Ass. Inst.	0250-00002	1	

Note: Light mover kit optional.

# The BOSS GROW Stand assembly instructions:

## Tools required:

1. 7/16" socket and 3/8 ratchet driver wrench.
2. 7/16" box wrench.
3. 9/16" box wrench.
4. Wire cutters for tie wraps.
5. Needle nose pliers.
6. Two foot high step stool or small ladder.

**Note:** Two people are required for set up.

Insure that all hardware in the shipping package is complete and accounted for against the Bill of Materials.

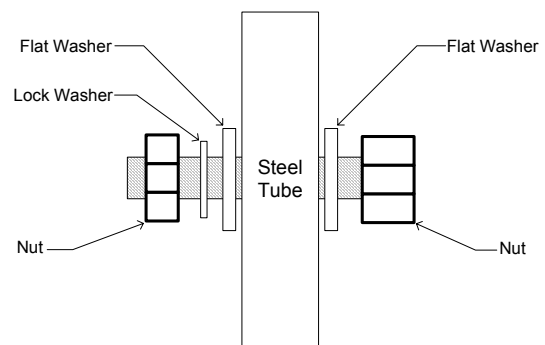
**Fastener configuration required for safe operation and structural support:**

The BOSS Grow-Stand maximum weight capacity is 156 pounds.

**Torque specification:**

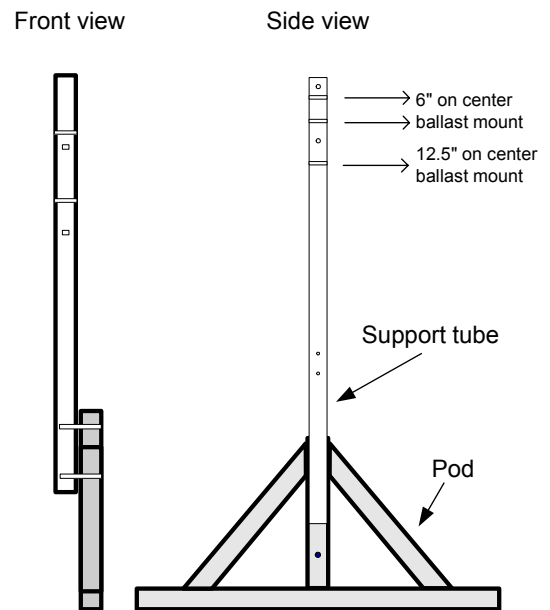
55 to 60 inch pounds

**Stand dimension: 5 feet x 9 feet**



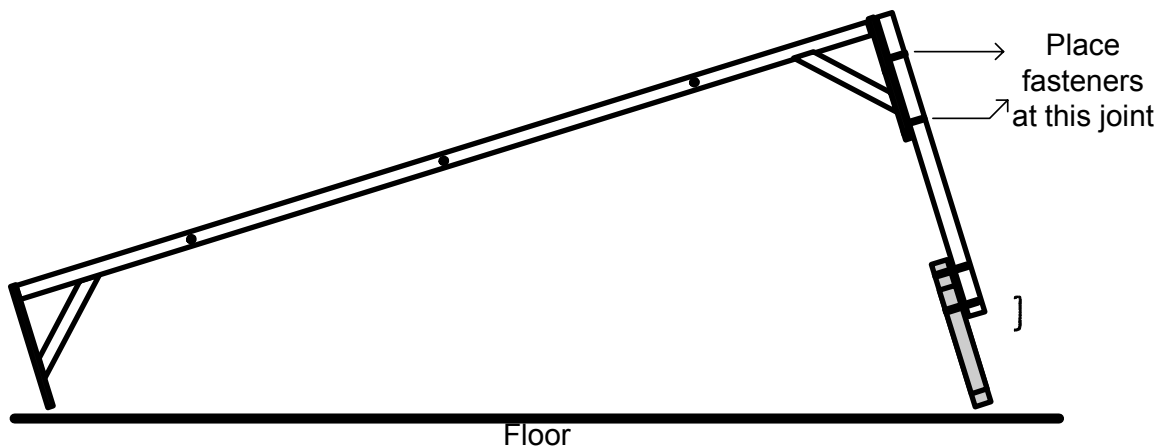
### Step One:

Remove 4 1/4" nuts, four 3" bolts, 4 lock washers and 8 flat washers from the ship kit. There are three positions. The stand height position at the lowest setting is 80 inches including the height of the wheels, then 86 inches, and finally 92 inches fully extended. Select the height that best suits your need and fasten the support tube to the pod (triangular piece). Repeat this step for the second pod and support tube.



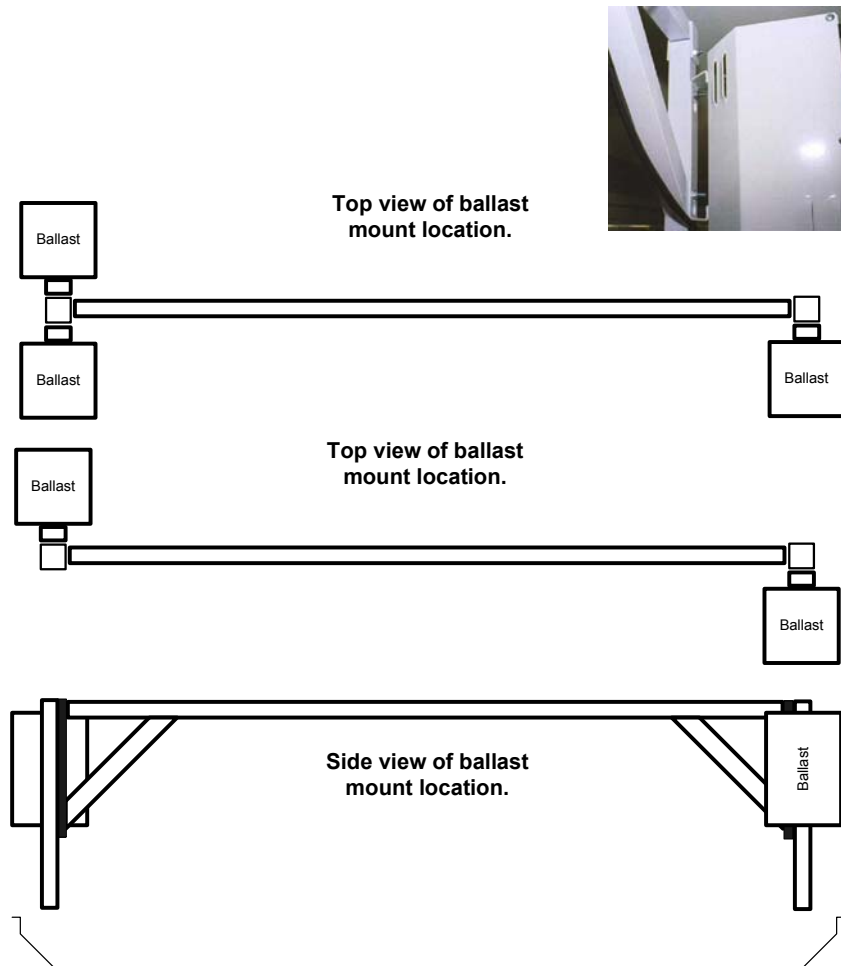
### Step Two:

Align one leg with either end of the top rail and place the 2" bolts through the leg joint. Hand-tighten the locking washer and nut: by screwing them on to the opposite end of the bolt. When completed, the leg assembly should rest on the floor attached to the top support rail as per the following diagram:



### 'Step Three:

The stand will accommodate as many as three ballasts with hanger handles. The common size is 6 inch on center and 12.5 inch on center. Decide which transformer you have by measuring the center to center hole spacing on the ballast hanger. You will find similar holes pre-drilled on the support posts (part #0420-00002). To hang the ballast, remove two 2" bolts, 2 nuts, 2 lock washers and 4 flat washers from the ship kit. Place the bolts and flat washers in place near the top of the support tube. Hang the ballast on to the top nut and eyelet while your partner tightens the nut. Repeat this process to fasten the lower eyelet of the ballast hanger.



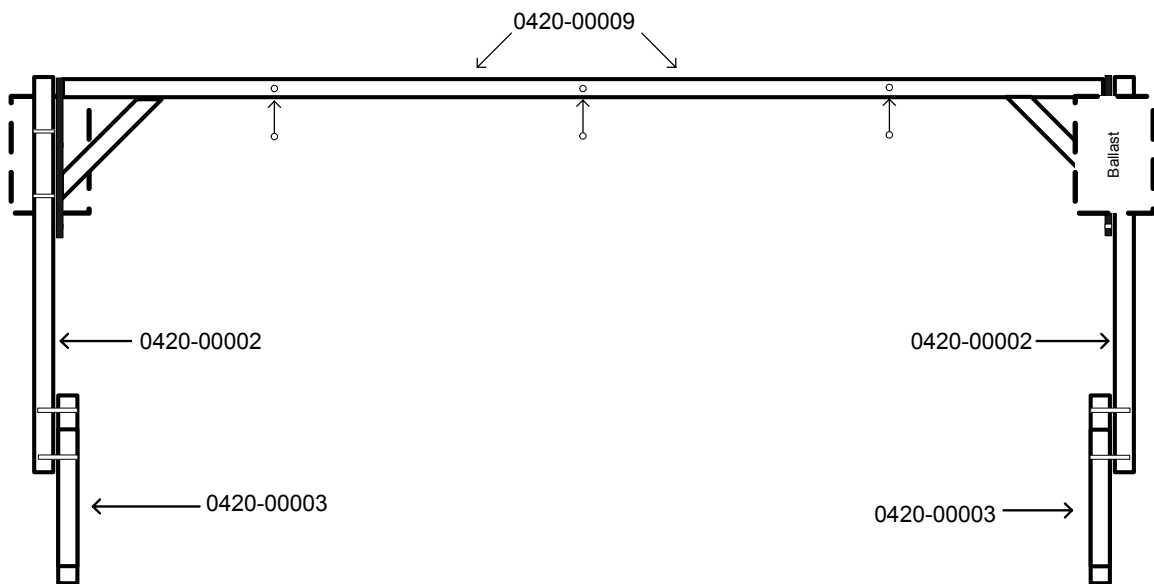
### Step Four:

Using the step stool, repeat steps two and three for the second support tube and overhead rail joint. Then tighten all fasteners to approximately 55 to 60 inch pounds) using the ratchet box wrench. Do not over tighten. You will know proper tightness by observing slight dimpling of the tube surface near the flat-cut washer.

**WARNING:** Do not over tighten. Over tightening will cause damage

### Step Five:

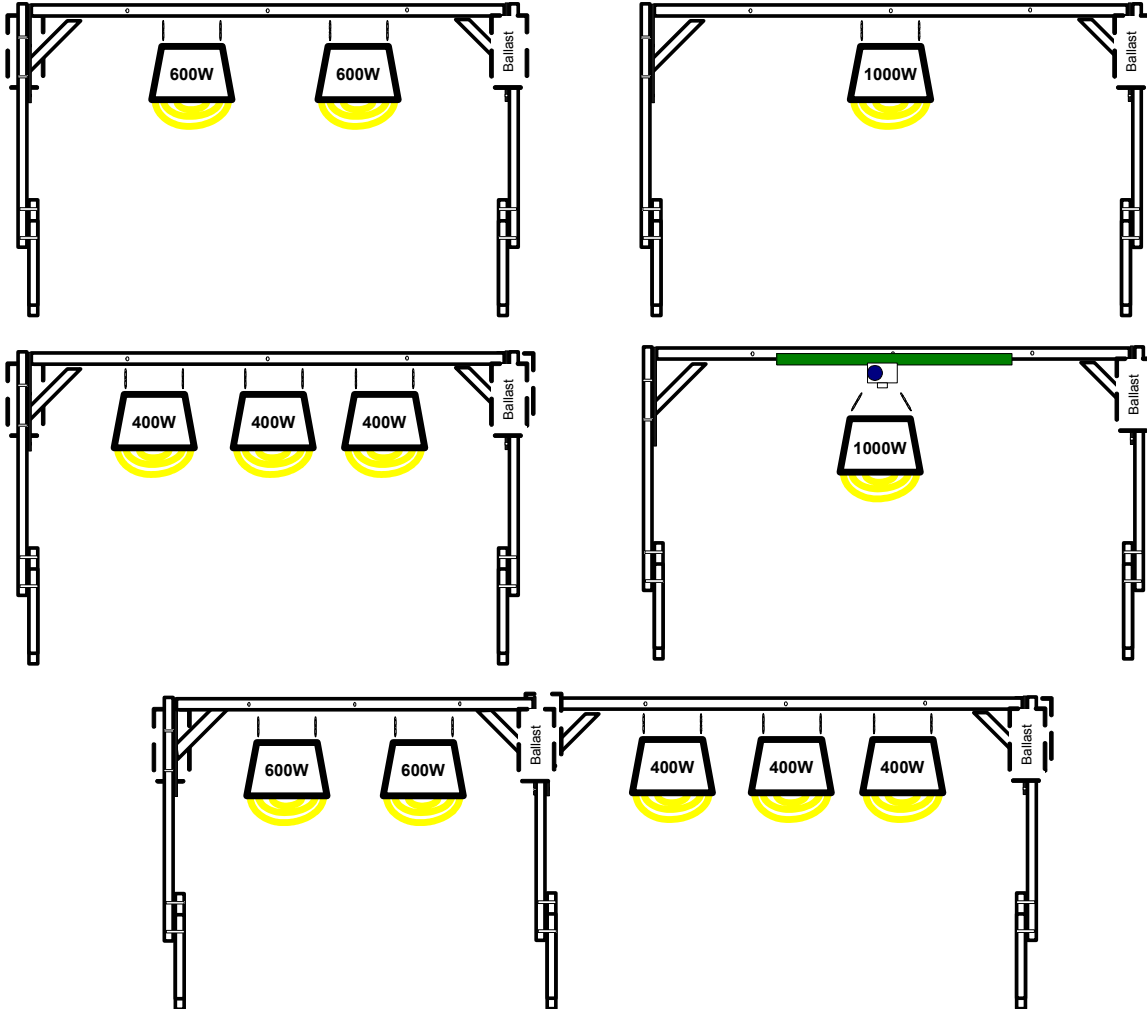
At this time, your BOSS GROW-Stand should resemble the following diagram:



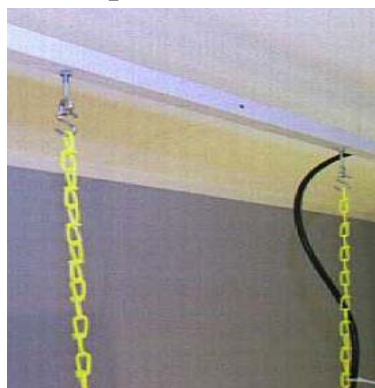
Note: when hanging two ballast be sure they are on opposing sides from both front to back and side to side. Two ballast can be mounted back to back by using the 2.5 inch bolts (part #0030-00013) supplied in the ship kit.

*Step Six:*

The BOSS GROW-Stand provides several separate lamp configurations. See the images below to select and configure your lamp locations:

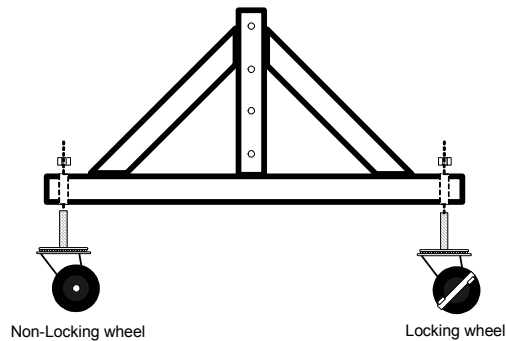


HID Chain Location & Mounting:



## Step Seven:

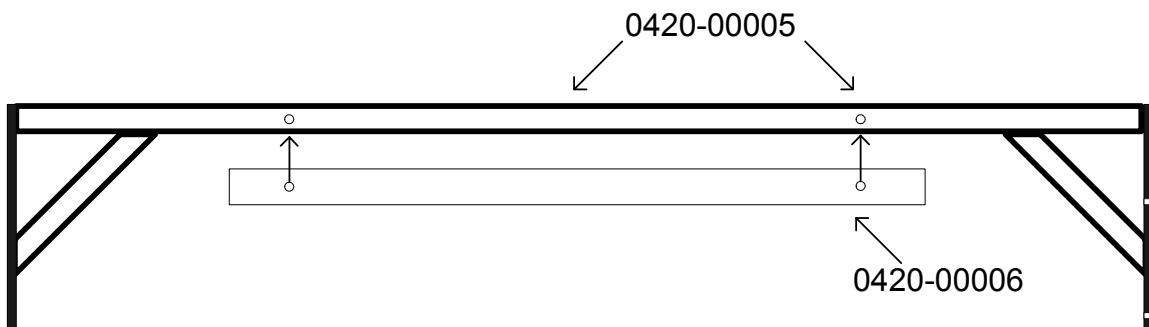
Attaching the wheels is quite simple: remove the wheels from your ship kit. There are two kinds locking (Part #0015-00005) and Non-locking (Part #0015-00004). use  $9/16$ " nut part#0030-00014 to fasten the wheels to each end of both PODs:



## Step Eight:

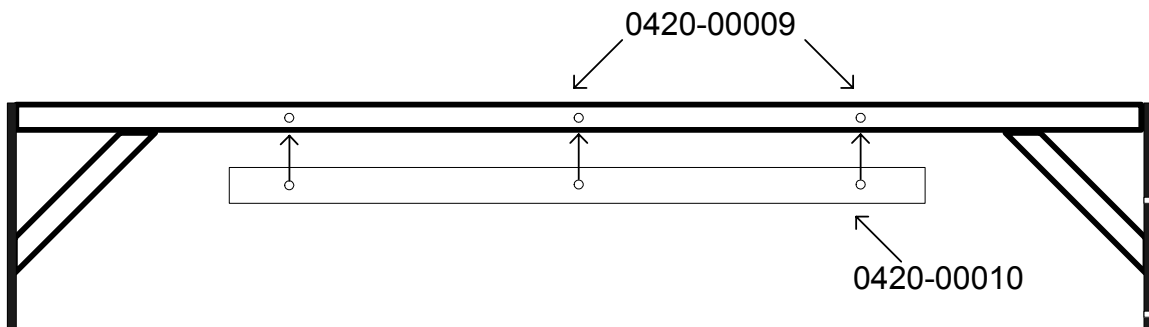
Fasten light rail kit to the Apprentice:

1. Align the two fastening holes to the "L" Bracket (0420-00006) with the two holes in the side of the top rail (0420-00005).
2. Torque the fastening bolts (x2) to approx. 15 to 20 inch pounds.



Fasten light rail kit to the BOSS:

1. Align the two fastening holes to the “L” Bracket (0420-00006) with the two holes in the side of the top rail (0420-00009).
2. Torque the fastening bolts (x2) to approx. 15 to 20 inch pounds.



**Step Nine:**

Use the white tie wraps in your shipping kit to dress the AC cables. Be sure the lamp and or light mover have the appropriate travel for either side to side or up and down motion. This can be done by running the light mover several cycles to determine how much slack is required: or selecting different heights for stationary lights. Once this is done use the tie wrap to neatly bundle the associated AC cables.

We are pleased that you have chosen our product and we welcome feedback. If you find that you are missing a component, have installation questions, or if you would like us to add other features: Please call us at 1-888-WCG-GROW (1-888-924-4769) or visit us at: West Coast Growers.com for latest system configurations and accessories.

Thank You!!!