



# — Instruction Manual —

# VB1100



Centerline Aluminum EZ Volleyball System

Customer Service  
(800) 247-7668

PARTS LIST					
Item	Qty	Description	Item	Qty	Description
A	2	Standards (one with winch)	I	1	Attachment Screw
B	2	Pole Padding	J	2	Nylon Net Collars
C	2	VB23-CV Floor Plates (If Applicable)	K	3	Carabineer
D	2	VB23 or VB235 Floor Sockets (If Applicable)	L	1	3/16" Allen Wrench
E	4	Cable Covers (If Applicable)	M	1	1/4" Allen Wrench
F	1	VB1250K Net with Storage Bag	N	6	Rope Ratchet (Provided with Net)
G	2	Volleyball Antennas(VB13)	O	1	1/8" Allen Wrench
H	1	Winch			

- ◆ Inspect all contents prior to installation. Report any missing parts to dealer immediately.
- ◆ **Read all instructions before proceeding!**

**NOTE:**

The Bison Centerline systems have been designed to “set and play”, after initial set-up all net height guess work is eliminated. The inner pole has machined marks provided for men's, women's and junior's official height. The outer pole has an adjustable bottom foot factory pre-set for 10" floor sockets. Please read and follow the instructions carefully to make fine tuning adjustments if needed.

## Initial Standard Height Adjustment

**NOTE:**

**Tie a loop knot on both ends of the top rope of the volleyball net as needed for installation.**

1. Set *Standards (A)* into *Floor Sockets (D)*. Raise the inner pole of the *Standard (A)* to either the men's, women's or junior's height marks on the poles using the EZ net height adjustment crank. This line should be just visible above the top of the outer pole. See Figure 1.
2. Lay the net out finding the end with the factory installed rope ratchet device on the bottom rope. Install the opposite end of the net to the non-winch standard by running the top rope over the rope guide and attaching the loop to the factory installed *Attachment Screw (I)*. Then attach the other end of the net to the winch standard by running the top rope over the rope guide and connect it to the 2" winch strap using the *Carabineer (K)*. See Figures 1 & 2.

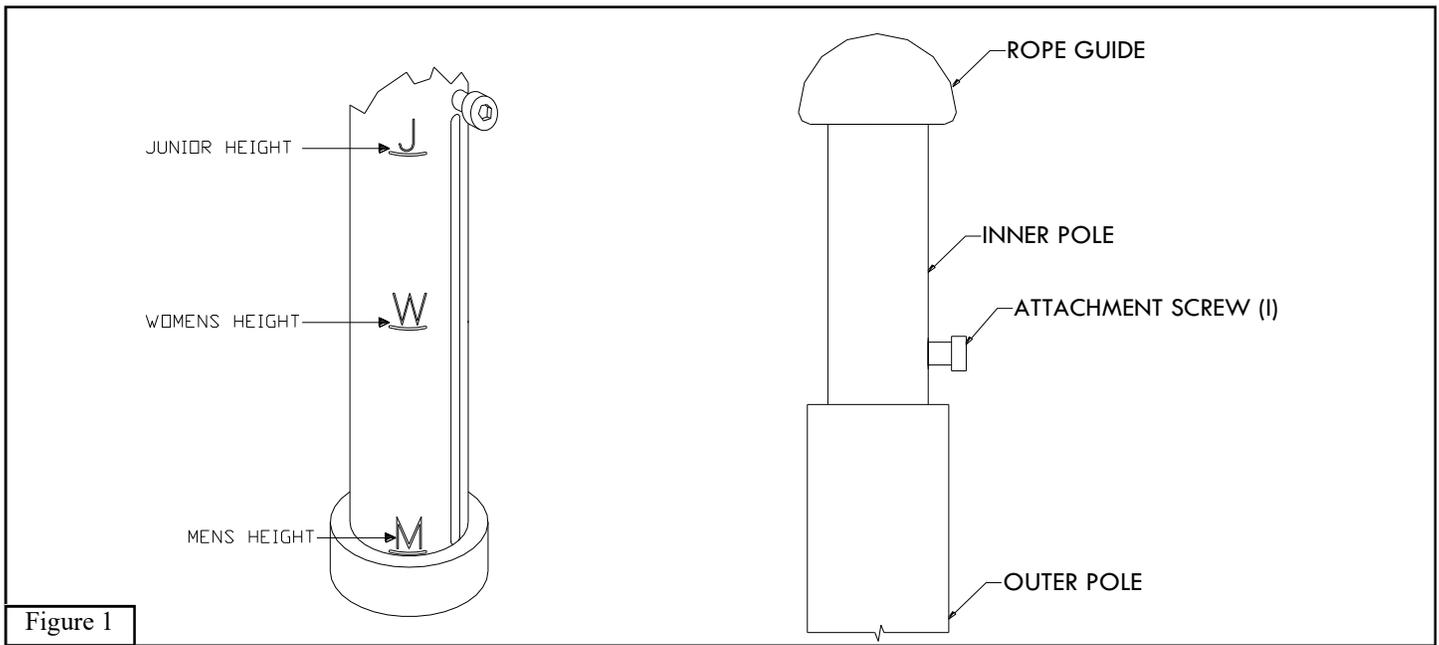


Figure 1

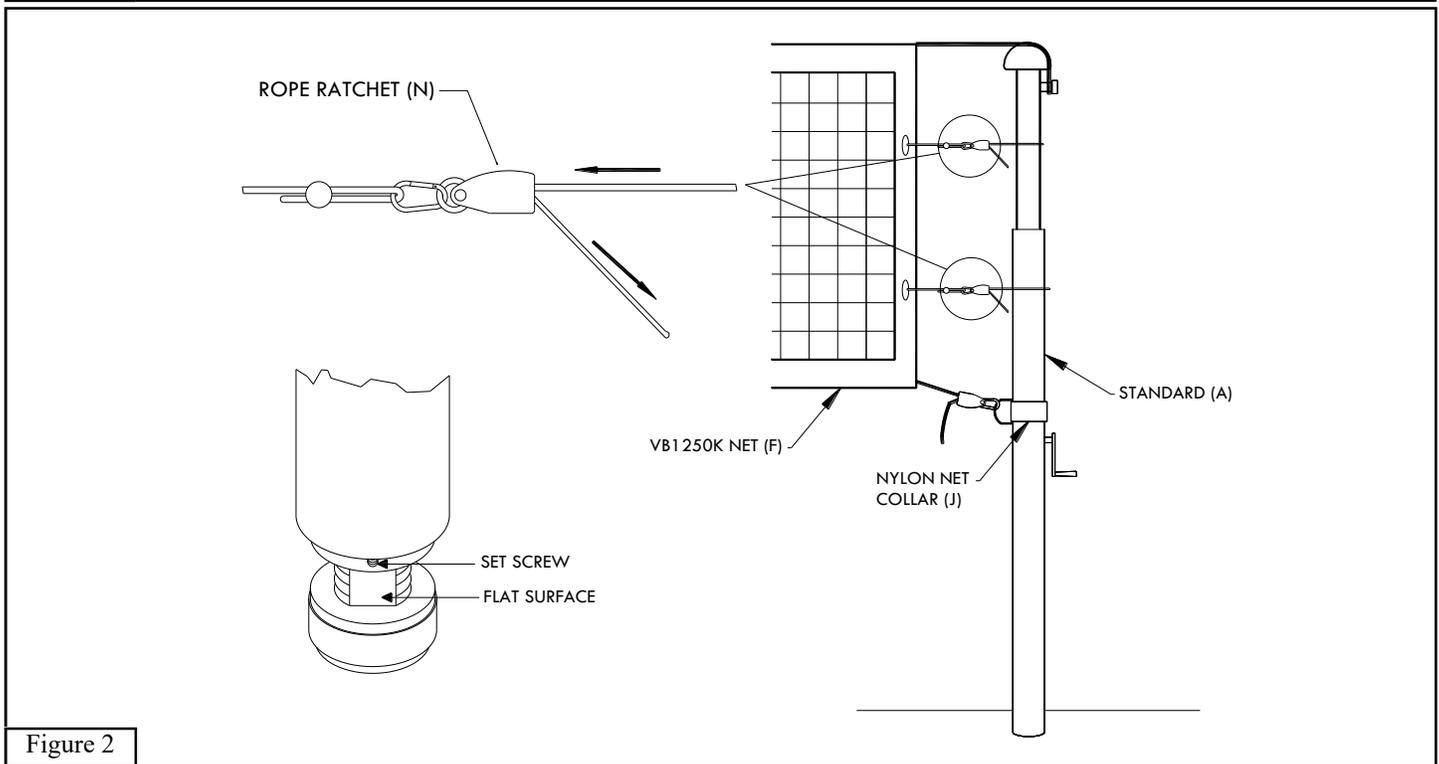


Figure 2

3. Install one of the *Nylon Net Collars (J)* to each *Standard (A)* approximately 2" - 3" below the bottom of the net. Attach the *Rope Ratchet (N)* on the winch end to the D-ring on the collar and attach the other end of the bottom rope to the D-ring using one of the *Carabineers (K)*. See Figure 2.
4. Turn the winch handle tightening the top rope of the system to eliminate the slack in the rope. Center the net between the two *Standards (A)*. Finish tightening the top rope using the *Winch (H)* and pull the loose end of the bottom rope through the *Rope Ratchet (N)* to tighten the bottom rope. See Figure 3.
5. Install the *Rope Ratchets (N)* by running the rope through the small holes in the sides of the *VB1250K Net (F)* and around the *Standard (A)* connecting them to the *Rope Ratchet (N)* and then tighten all four *Rope Ratchets (N)* evenly to achieve desired net tension and maintain proper *VB1250K Net (F)* placement between the *Standards (A)*. See Figure 2.

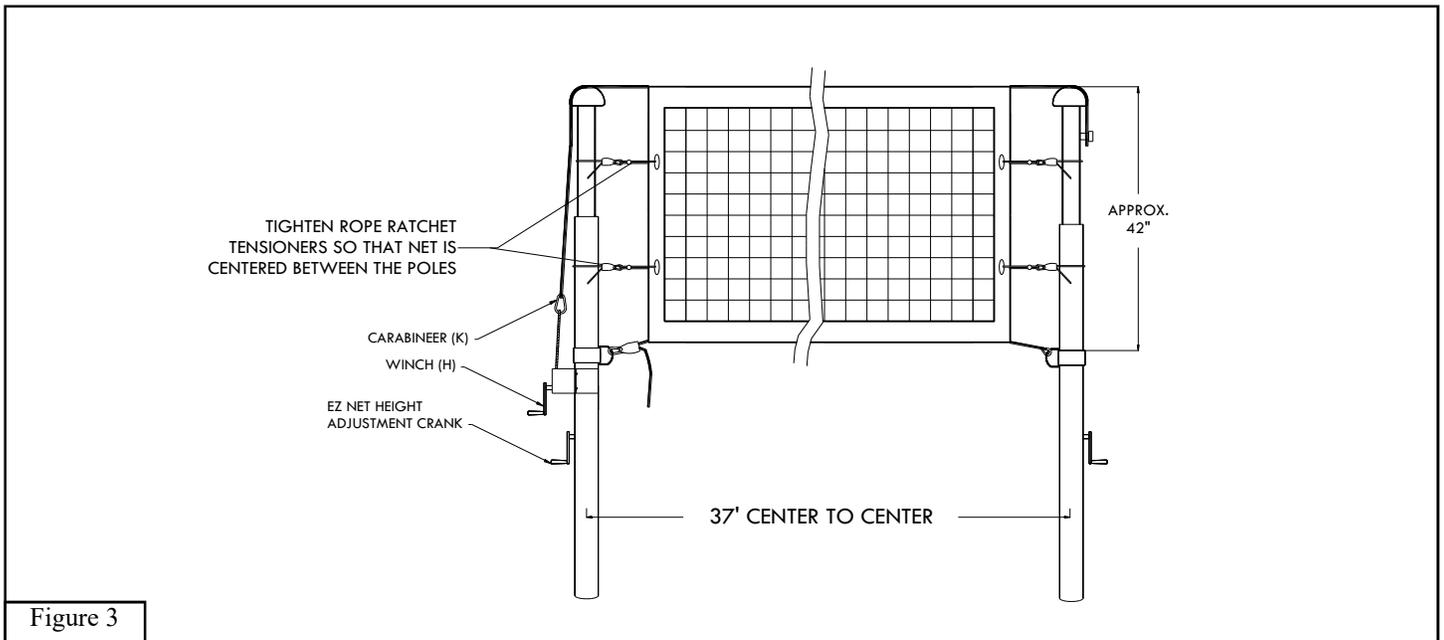


Figure 3

6. Measure the net height in the center of the net to the floor. If your *Standards (A)* are set to junior height it should measure 7' (84"). Set to women's height it should measure 7'4-1/8" (88 1/8") and if your *Standards (A)* are set to men's height it should measure 7'11-5/8" (95 5/8"). If your measurement is different please write it down and proceed to the next step. If your measurement is correct than you are ready to play.
7. If not at the correct height, compute how much too high or too low, loosen the net on *Standards (A)* and proceed to step #8.
8. Loosen set screw in the collar of the bottom adjustable foot with the 1/8" *Allen Wrench (O)*. Turning the adjustable foot clockwise will lower net height, counter-clockwise will raise net height. Each revolution of the adjustable foot will raise or lower pole by approximately 3/16". Make sure you use full revolutions, the set screw must mate with the machined flat on the adjustable foot to eliminate screw damage. Tighten set screw. See Figure 2.
9. It is advised to repeat steps 1-7 at this time. If your adjustments were correct you are ready to play. Repeat instructions #7-#8 if further adjustment is needed.
10. Once you have set the adjustable foot you can raise and lower the *VB1250K Net (F)* under tension using the EZ net height adjustment crank. *VB1000 Systems* is designed to allow minor net height adjustment without removing tension from the net. Do no attempt to raise the net more than 1/2" or lower the net more than 1" without reducing the net tension. One full revolution equals approximately 1/16". Additionally you can make slight modifications to fine tune the net height by raising and lowering the collars, by tightening/loosening the winch, and by adjusting the tension on the side rope ratchets if necessary. See Figure 3.
11. When you are confident that the initial net setup is complete trim excess top and bottom rope as desired. Burn ends with a lighter to eliminate fraying.

**NOTE:**

Excessive tightening of top rope is not necessary. Crank the winch until poles start to flex. Further tensioning results in lowering of the top rope. Achieve proper height using the inner pole adjustment and to achieve proper net tensioning use the rope ratchets.

## Height Adjustment for a Single Court System

1. Loosen top net cable. Use the net height adjustment crank to adjust the inner poles to the desired height indicated by the height markings machined on the inner poles See Figures 1 and 3.
2. Adjust *Nylon Net Collars (J)* so that they are 2"-3" below the bottom of the net. Crank top rope tight with the *Winch (H)*, then pull bottom rope tight through the *Rope Ratchet (N)*. Reattach *Rope Ratchets (N)*, center the net between poles as in previous instructions and apply desired tension. See Figures 2 and 3.

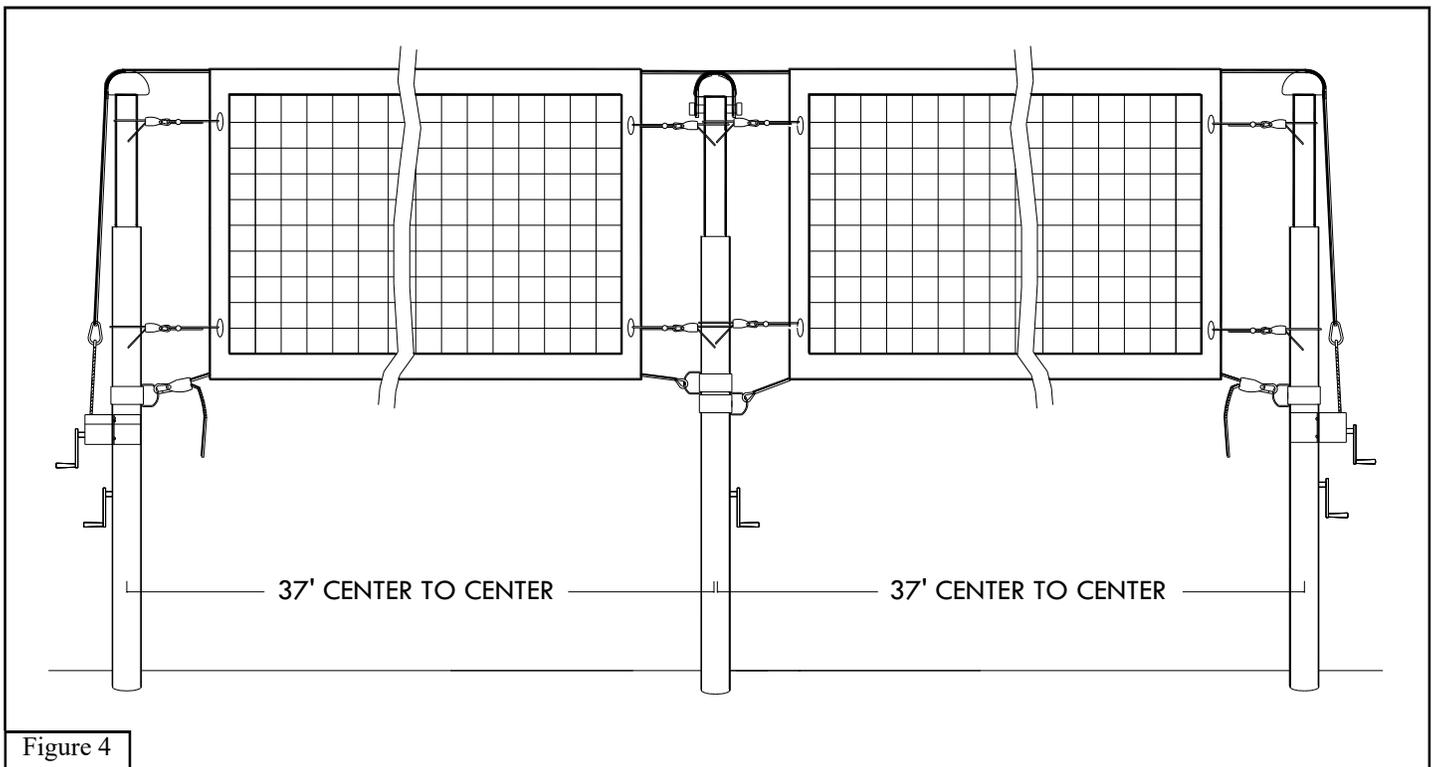
### NOTE:

Excessive tightening of top rope is not necessary. Crank the winch until poles start to flex. Further tensioning results in lowering of the top rope. Achieve proper height using the inner pole adjustment and to achieve proper net tensioning use the rope ratchets.

## Height Adjustment for a Side by Side Court System

### Both Nets the Same Height

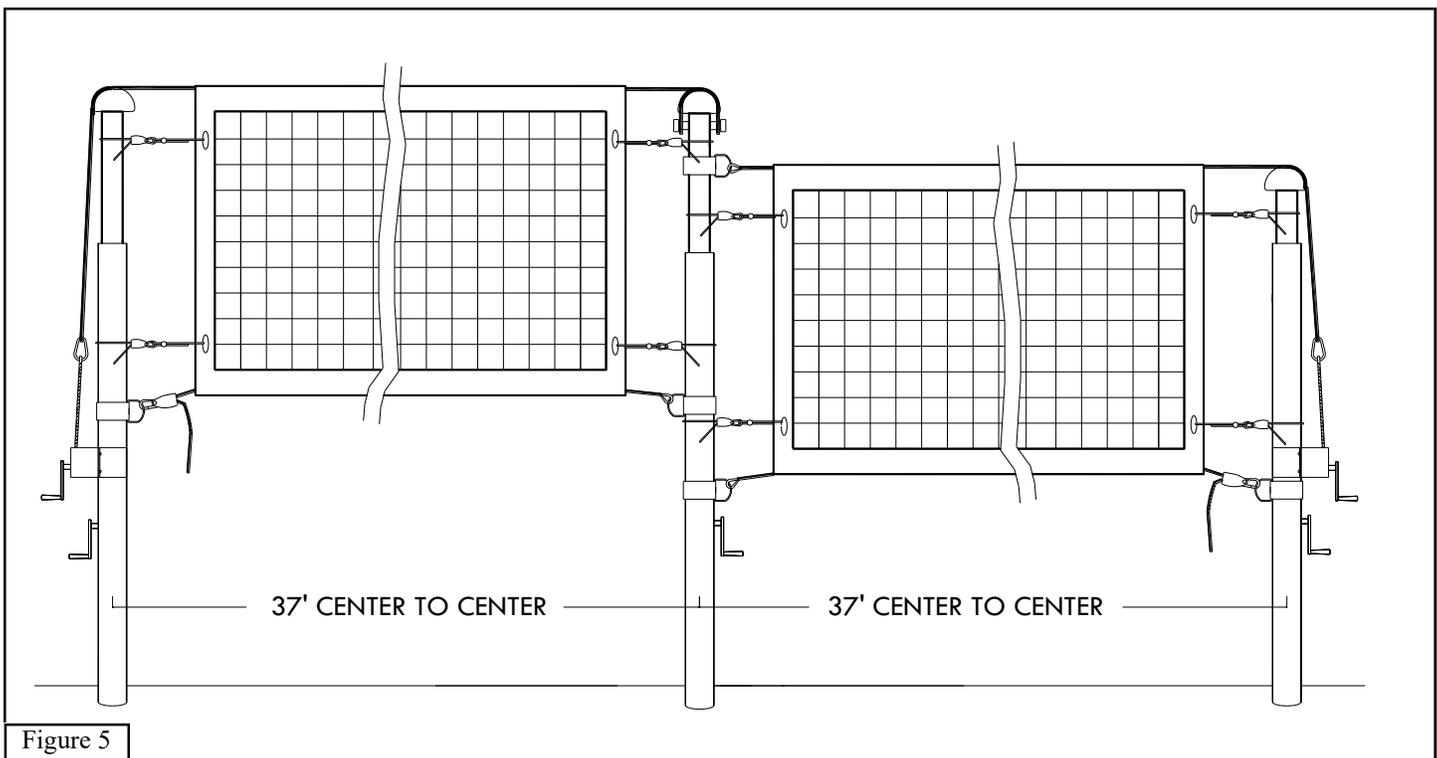
1. Remove tension from both nets with the *Winches (H)*.
2. Adjust all three poles by cranking the net height adjustment crank to the desired height. See Figure 4.
3. Tighten both nets using the *Winches (H)*, retighten bottom ropes and reinstall and tighten *Rope Ratchet (N)* See Figure 4.



## Height Adjustment for a Side by Side Court System *cont.*

### Nets at Different Heights

1. Remove tension from both nets with the *Winches* (H).
2. Attach one of the *Nylon Net Collars* (J) provided in the hardware kits to the center standard towards the top. See Figure 5.
3. Adjust the net that will be at the greater height using the net height adjustment crank, then retighten those two poles. See Figure 5.
4. Adjust the *Nylon Net Collar* (J) on the center pole to the desired height for the second court and tighten.
5. Adjust the lower net court winch pole and tighten the *Winch* (H). See Figure 5.
6. Reattach and tension both bottom ropes.
7. Attach all *Rope Ratchets* (N) per previous instructions.
8. On multiple side by side court systems, the *Winch* (H) on the court adder poles should be placed above the collars so web strap will not interfere with bottom rope attachment.



## Custom Floor Socket Sleeves & Deep Socket Adapters

1. If you have purchased the Bison *VB11 3" Standards (A)*, for use in existing sockets that are not 3" diameter call Bison Customer Service department at 1-800-247-7668 for custom floor socket sleeves available at no additional cost.
2. You will need to provide the inside diameter of the floor socket and the depth of the socket from the playing surface to the bottom.
3. If the Adapter Sleeves fit loosely in the floor sockets they can be shimmed with thin metal strips or layers of duct tape can be wrapped around the outside of the sleeve at the top and the bottom until sleeve is snug inside the existing floor sockets.
4. If your pre-existing floor sockets are more than 12" deep from the finished floor to the bottom of the socket, call the Bison customer service department at 1-800-247-7668 for information on the VB10/20 Deep Socket Adapter Kits available at no additional cost.

## Court Diagram

