



CarbonMax Series Volleyball Systems

SKU: 685se610 Installation

PARTS LIST					
Item	Qty	Description	Item	Qty	Description
A	2*	Standards (one with winch)	H	4	Rope Ratchet Net Tensioning Ropes (Provided with Net)
B	2	Pole Padding	I	1	Top Net Rope Attachment Hook
C	2	VB23-CV or VB22-CV Floor Plates (If Applicable)	J	2	Collar Straps
D	2	VB23-SK or VB235 Floor Sockets (If Applicable)	K	1	1/8" Allen Wrench
E	4	Cable Covers (provided with net)	L	2	Carabiner Clips
F	1	Net with Storage Bag	M	1	3/16" Allen Wrench
G	2	Volleyball Antennas			

- ♦ **Inspect all contents prior to installation. Report any missing parts to dealer immediately.**
- ♦ **Read all instructions before proceeding!**
- ♦ **Socket Instructions are provided with socket if applicable.**

The CarbonMax and CarbonPro II 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 (M), women's (W) and junior (J) official heights. The outer pole has an adjustable bottom foot factory pre-set for VB23 floor sockets. Please read and follow the instructions below carefully to make fine tuning adjustments if needed.

1. Install *Standards* (A) into floor sockets. Use the net height adjustment crank to extend inner pole to either the W (women's), M (men's) or J (junior) line. The machined line should be above but touching the collar. If your sockets are 3 1/2" or 4" request free floor socket adapters from manufacturer. See Figure 3.
2. Run net top rope over the top rope guide on the non-winch *Standard* (A) and place loop over *Top Rope Net Attachment Hook* (I). See Figure 4.
3. Run net top rope over the top rope guide on the winch pole and attach to the web strap on the winch using a *Carabiner Clip* (L). See Figure 1
4. Crank winch to remove most of the slack in the net, do not tighten for play, just enough to position net. Install one *Collar Strap* (J) to each pole 1"-2" below bottom of net. Hook the bottom net rope to the *Collar Strap* (J) on the non-winch pole with a *Carabiner Clip* (L). Hook the other end of the bottom net rope with rope ratchet tensioning device to the *Collar Strap* (J) on the winch pole. See Figure 4.

5. Crank the net top rope tight with the winch ***SEE NOTE BELOW***. Pull bottom rope tight through the bottom rope ratchet tensioning device. See Figure 4.

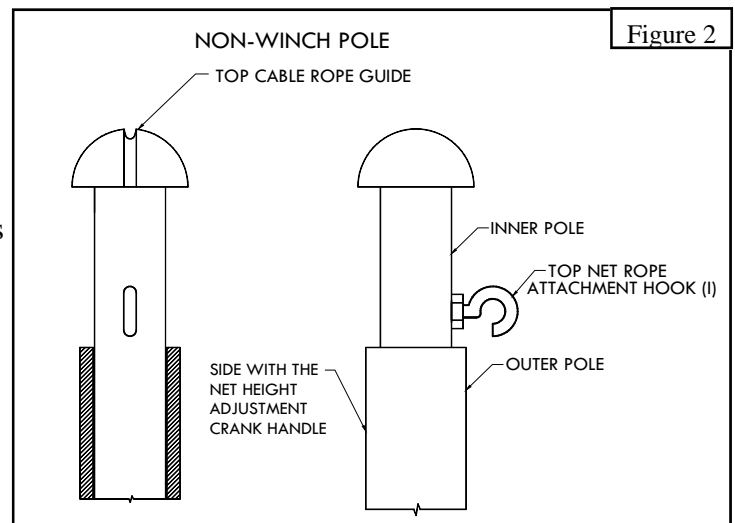
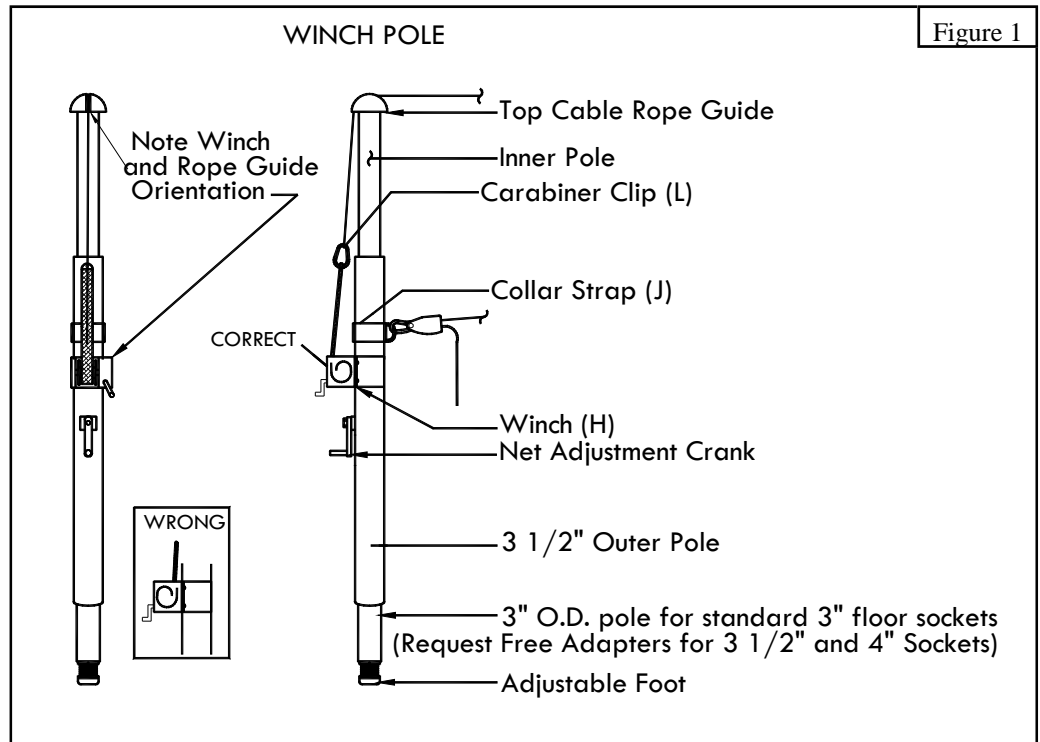
6. Run *Rope Ratchet Net Tensioning Ropes* (H) through button holes on both sides of net and around the *Standards* (A). Tighten all rope ratchets so that net is in the center of the poles and is pulled tight to the left and right. Adjust winch and rope ratchet tension until the net is at desired tension for play. See Figure 5.

7. Measure from the top center of *Net* (F) to the floor. Official Men's height is 7' 11 5/8", Women's, 7' 4 1/8" and Junior's 7'. If this measurement is above or below the official height write it down and proceed to instruction #8 to make minor one time adjustments to the adjustable foot.

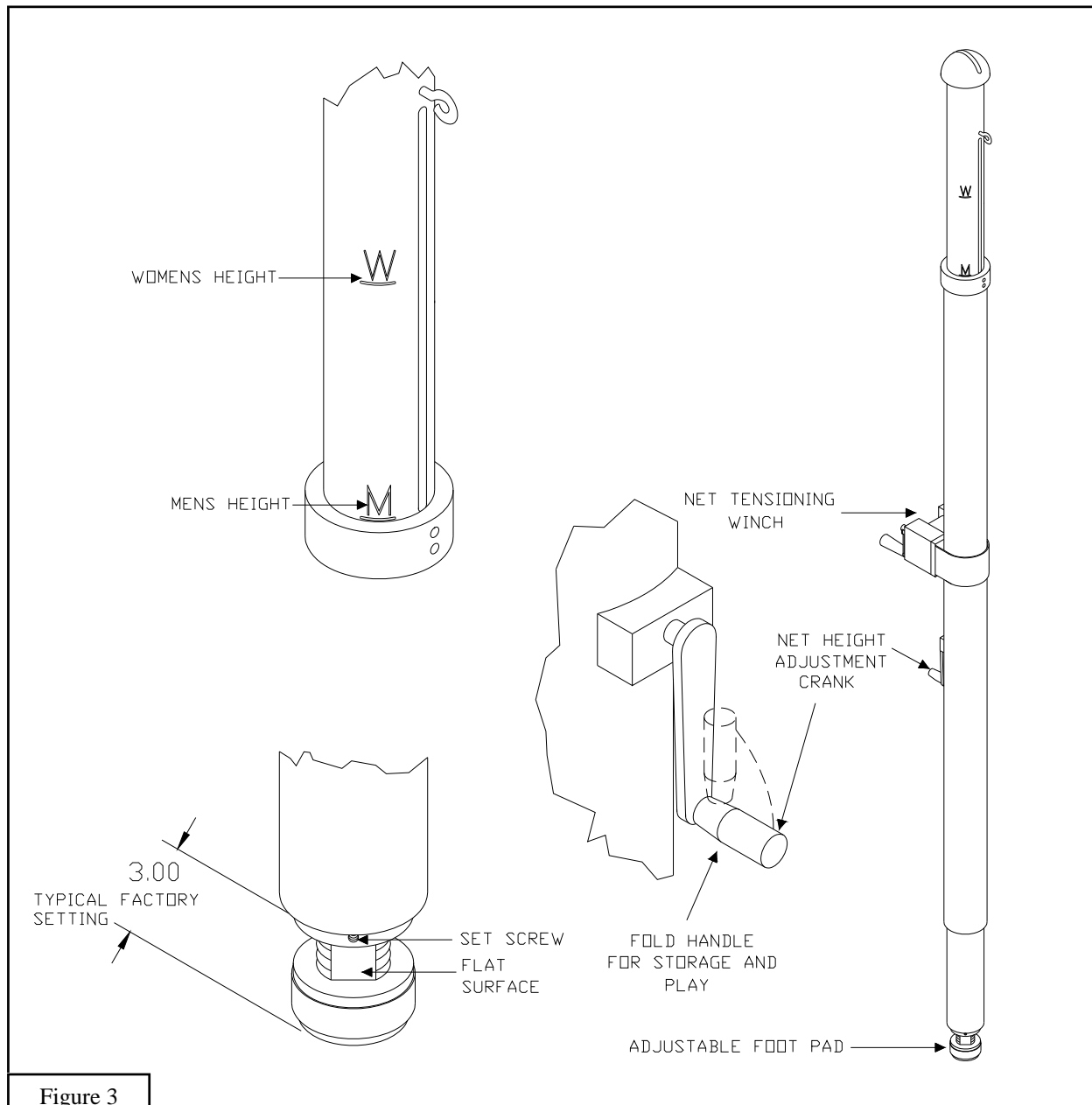
8. Remove *Net* (F) from poles.

9. Remove *Standards* (A) from floor sockets and lay on floor. Measure the distance from the bottom of the pole to the bottom of the adjustable foot pad, write it down. Loosen set screw in the collar of the bottom adjustable foot with the 1/8" *Allen Wrench* (K). 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 rest on the machined flat on the adjustable foot to eliminate damage to the threads. Check your math to ensure you have moved the adjustable foot in the right direction then tighten set screw. See Figure 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.



10. Repeat instructions #1-#7. If your adjustments were correct you are ready to “set and play”. Repeat instructions #8-#10 if further adjustment is needed. **Once the pole length is initially adjusted to match the floor sockets no future adjustment should be necessary.**
11. It is possible to make fine tune height adjustments with the net tight and in position by simply turning the net adjustment crank. Any fine tuning adjustments might require additional net tensioning with the winch, or adjustment of *Rope Ratchet Net Tensioning Ropes* (H).
12. Once all adjustments are completed attach *Volleyball Antennas* (G), *Cable Covers* (E) and *Pole Padding* (B) prior to play.



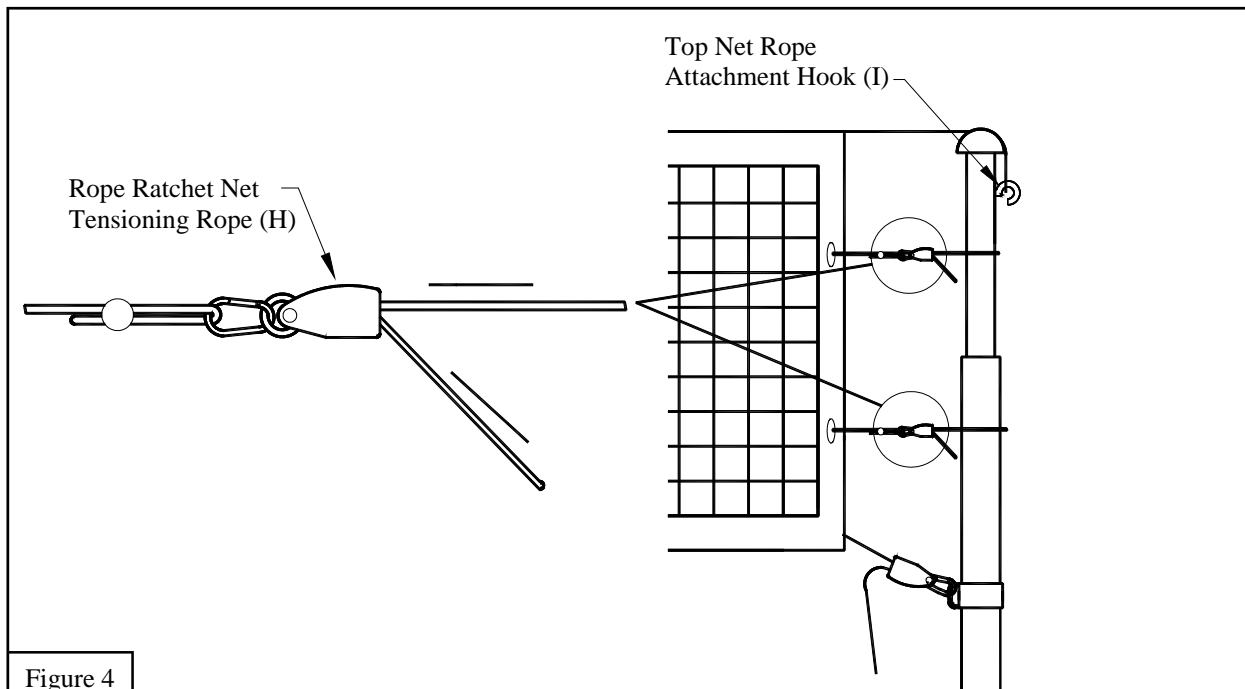


Figure 4

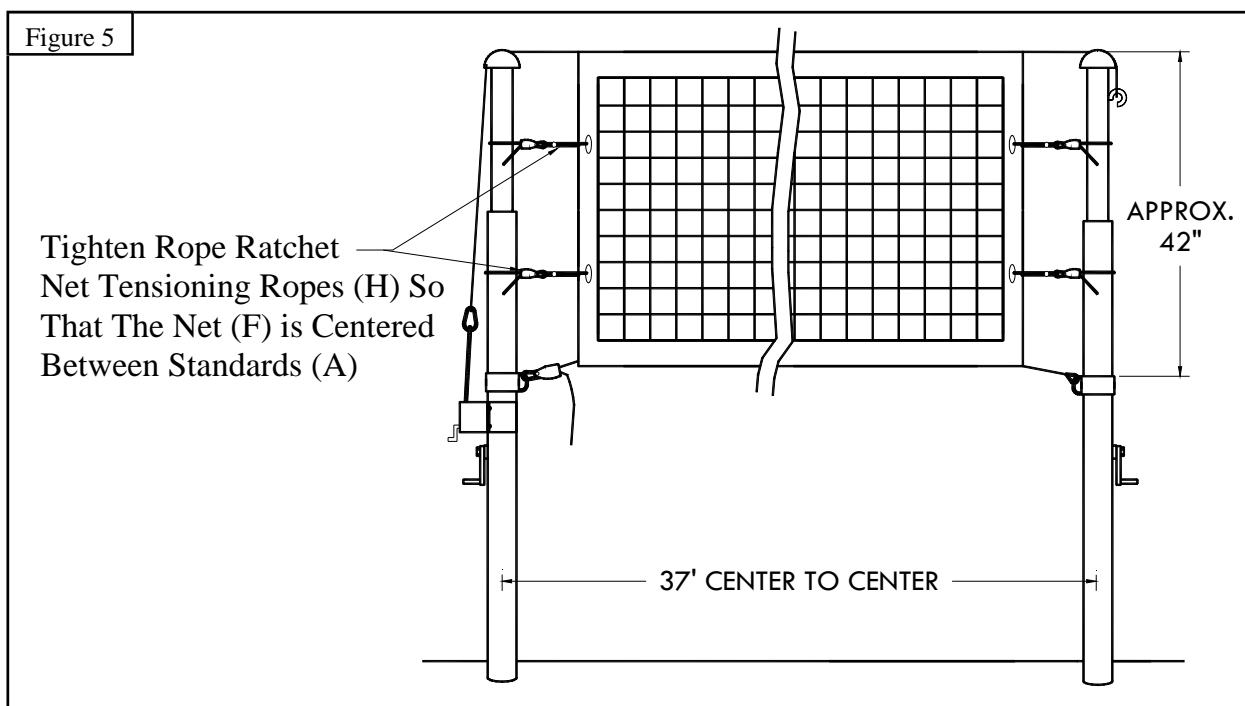


Figure 5

Notice!

The CarbonMax and CarbonPro II systems allows for easy minor adjustment in height without all the hassle of taking the net down by simply turning the adjustment crank and re-tensioning the winch. However significant adjustment requires loosening of the net and adjustment of collar straps. The following instructions will guide you through each different scenario you could encounter. REMEMBER, Excessive tightening of the top rope is not necessary. Crank the winch until poles start to flex. Further tensioning results in lowering the top of the net. Achieve proper height using the inner pole adjustment and use the net tensioning rope ratchets to achieve proper net tension.

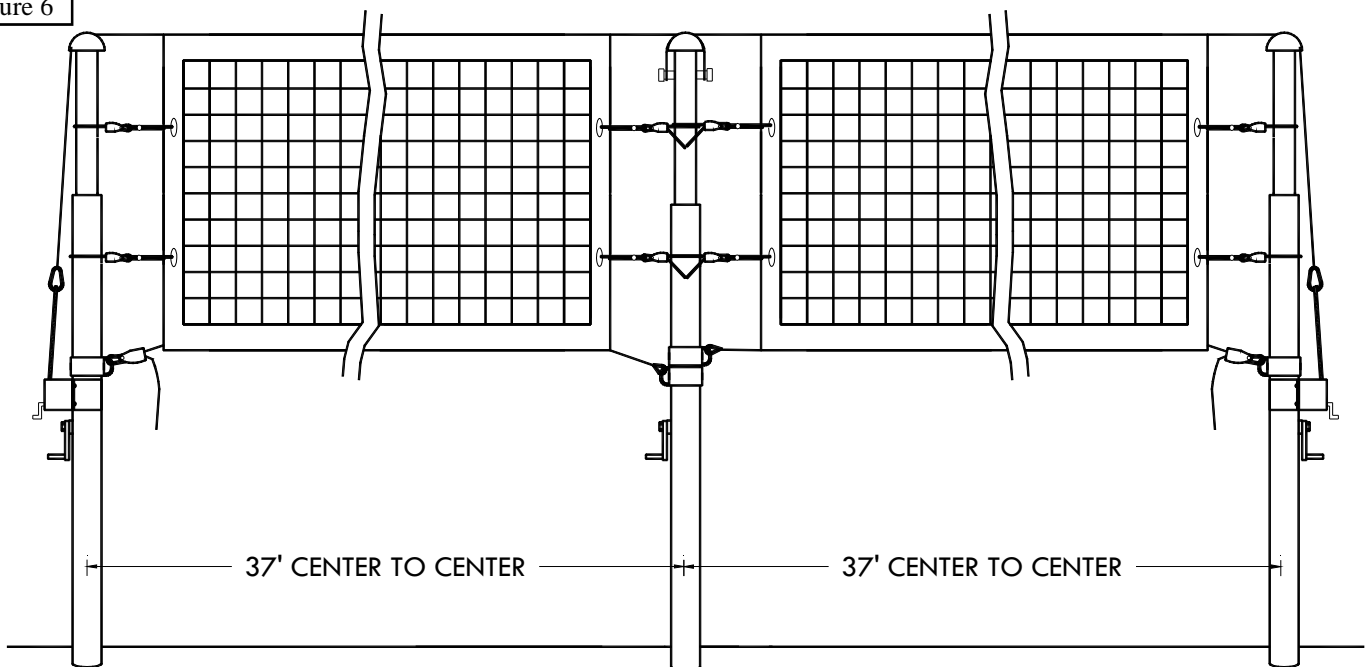
Height Adjustment for a Single Court System

1. Starting with a loose top net cable, use the net height adjustment crank to move inner poles up/down to the desired height.
2. Adjust *Collar Straps* (J) so that they are 1"-2" below the bottom of the net.
3. Crank top rope tight with the winch, then pull bottom rope tight through the rope ratchet tensioning device.
4. Attach *Rope Ratchet Net Tensioning Ropes* (H) around pole and hook ends together, then even net out between poles as in previous instructions and apply desired tension. See Figure 5

Height Adjustment for a Side by Side Court System with both nets at the same playing height.

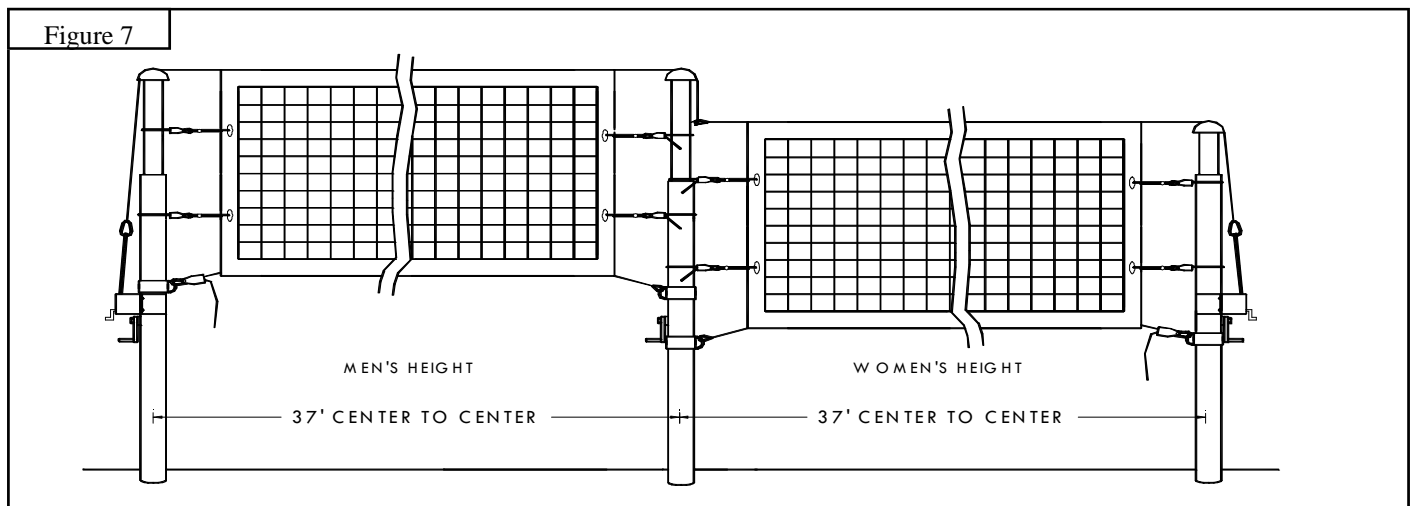
1. Remove tension from both nets with the winches.
2. Adjust *Collar Straps* (J) so that they are 1"-2" below the bottom of the net.
3. Adjust all three poles, use the net height adjustment crank to move inner poles up/down to the desired height.
4. Tighten both nets using the winches, retighten bottom ropes and reinstall and tighten *Rope Ratchet Net Tensioning Ropes* (H). See Figure 6.

Figure 6



Height Adjustment for a Side by Side Court System with nets at Men and Women.

1. Remove tension from both nets with the winches.
2. Use the net height adjustment crank to adjust the net that will be at men height.
3. Attach the top net rope to the hook on the center pole for women net height.
4. Use the net height adjustment crank to adjust the lower net court winch pole and tighten the winch. See Figure 7.
5. Adjust all bottom *Collar Straps* (J) 1"-2" below net, reattach and tension both bottom ropes.
6. Attach all *Rope Ratchet Net Tensioning Ropes* (H) per previous instructions.
7. Depending on height of lowest net use the 3/16" *Allen Wrench* (M) to move the winch above the *Collar Strap* (J). On multiple side by side court systems the winch on the court adder poles should be placed above the collars so web strap will not interfere with bottom rope attachment.
8. If you wish to install side by side nets at different heights other than men and women, use the extra *Collar Straps* (J) provided to attach the top rope on the lower net court.



Custom Floor Socket Sleeves & Deep Socket Adapters

1. If you have purchased the *Standards* (A), for use in existing sockets that are not 3" diameter call your dealer for custom floor socket sleeves available at no additional cost. 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.
2. 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.
3. If your pre-existing floor sockets are more than 10" deep from the finished floor to the bottom of the socket call your dealer for information on the Deep Socket Adapter Kits available at no additional cost.

Court Diagram

