See Page 5 For Floor Anchor Locations

Volleyball Net Heights

<table>
<thead>
<tr>
<th>SCHOLASTIC LEVELS</th>
<th>GIRLS / WOMEN</th>
<th>BOYS / MEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ages 12 Years and Under</td>
<td>A: 7'-0''</td>
<td>A: 7'-0''</td>
</tr>
<tr>
<td>Grades 7 Thru 9 (Middle School)</td>
<td>B: 7'-0''</td>
<td>B: 7'-0''</td>
</tr>
<tr>
<td>Grades 7 Thru 9 (Jr. High School)</td>
<td>C: 7'-1''</td>
<td>C: 7'-1''</td>
</tr>
<tr>
<td>Grades 9 Thru Collegiate</td>
<td>A: 7'-4''</td>
<td>A: 7'-4''</td>
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<tr>
<td></td>
<td>B: 7'-4''</td>
<td>B: 7'-4''</td>
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<tr>
<td></td>
<td>C: 7'-4''</td>
<td>C: 7'-4''</td>
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</tbody>
</table>

CAUTION - Net height dimensions given allow for maximum allowable net sag. Over-tightening of the net could cause possible equipment damage or failure, and void all warranties.
1. Unpack all parts and check against parts list to ensure that all have been included. Tools required - ½" wrench, slotted and phillips screwdrivers, and tape measure.

2. Slide pulley assembly (8) into end (which has pre-drilled holes for end cap) of upright post (1). Large hex nut must be located at top of assembly - pulley wheel at bottom. See Detail "A" below, and detail on page 1. Hand-tighten large hex nut to prevent pulley assembly (8) from sliding. This is now the top end of the standard.

3. Slide one eye nut assembly (12) onto post from bottom (the end without pre-drilled holes), in same slot as pulley assembly (8) from Step No. 2. NOTE - nylon washer must be located between eye nut and post. Locate it just below the pulley assembly, and tighten it in place temporarily. See Detail "A".

4. Loosely assemble tapped flat (9) to reel assembly (4) using two 5/16" x 3/4" lg. truss head screws (10) and two 5/16" lockwashers (11). Slide this assembly into bottom end of post, in same slot as pulley assembly (8) from Step No. 2. Locate it approximately 30" from bottom of post. NOTE - pawl on reel assembly (which engages into gear) must be on top of the reel to operate properly. Tighten hardware. See Detail "A", and detail on Page 1.

5. Assemble strap assembly with "S" hook (6) to shaft on reel assembly (4) using 1/4" x 3/4" lg. flat head screw (7) thru grommet on strap. See Detail "A".

Detail "A"
6. Slide two remaining eye nut assemblies (12) onto upright post (1), on opposite side of reel and pulley assemblies. NOTE - nylon washer must be located between eye nut and post. Tighten both in place temporarily. See Detail "B".

7. After all fittings have been installed on the upright post, assemble molded end cap (2) to top end of post. Molded end cap is attached using two #8 x 3/4" lg. sheet metal screws (3). Screws go thru pre-drilled holes in upright post. Do not over-tighten screws. See Detail "C".

8. Assemble three rubber feet (22) to underside of T-Base (13) using two 1/4" x 3/4" lg. cap screws (23) at each rubber foot.

9. Assemble two wheels (19) to T-Base (13) using 3/8" x 2-1/2" lg. bolts (20) and 3/8" locking cap nuts (21). See Detail "D".

10. Assemble handwheel with stud (14) to T-Base (13) using spring (15), 1/2" nylon flatwasher (16), 1/2" flatwasher (17) and 1/2" retainer washer (18). Repeat for other handwheel. See Detail "D".

11. Carefully place post into T-Base (13). Rotate upright until pulley sheave is aligned with T-Base, with reel assembly and pulley sheave toward the inside of the T-Base, as shown in the detail on Page 1. Reel assembly should be oriented the same as winch on No. 1955 Powr-Trak winch standard (see Detail "E" on Page 4). Secure post to T-Base with two 5/16" x 1" lg. set screws (24). (Discard 3/8" lg. set screws.)

12. Secure T-Base/post assembly to pre-installed floor anchors using both handwheels (14). NOTE - T-Bases MUST be anchored to the floor before the net can be attached to the uprights. See Detail "F" on Page 5 for floor anchor location details.

13. Follow specific net attachment instructions furnished with the net. Stretch net out on floor between volleyball standards. Protect net from dirt.
14. Starting at tie-off standard from 1955 Ppower-Trak System, insert net top cable thru upper eye nut assembly (12), form a loop in the cable, and clamp the loop closed with the clamp provided with the net. See Detail "E".

15. Stretch net across court and place cable over and thru pulley sheave on 1956 Ppower-Trak center standard. Pull nylon strap on reel assembly upward, and secure "S" hook to end loop on net cable. See Detail "E".

16. Repeat Steps No. 14 and 15 for second net. Starting at center standard from 1956 Ppower-Trak system, insert net top cable thru upper eye nut assembly (12), form a loop in the cable, and clamp the loop closed with the clamp provided with the net. See Detail "E".

17. Stretch net across court and place cable over and thru pulley sheave on 1955 Ppower-Trak winch standard. Pull nylon strap on reel assembly upward, and secure "S" hook to end loop on net cable. See Detail "E".

18. Adjust net to desired height by loosening pulley assembly and upper eye nut assemblies. Note - pulley assembly is loosened and tightened using the same crank (5) for tightening the net. Slide up or down to desired net height, then re-tighten. See net height chart on page 1. Net height is measured at center of court. Note that a maximum of 1/4" net sag is allowed - net height can be 1/4" higher at court lines than at center of court.

NOTE - In order to achieve proper net height and net tension, it may be necessary to relocate the reel assembly (4) up or down on the upright. The lower eye nut assemblies on both standards should be adjusted up or down to accommodate the lower net rope.

NOTE - Allow for proper net sag, from center of court to court lines. See heights A and B in chart on Page 1.

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CAUTION

- Do not overtighten the volleyball net, as damage to uprights may result and void all written or implied warranties.
- After equipment is installed, remove and store winch handle to prevent tampering or use by unauthorized personnel.
- Cable tension must be released before adjusting net height. Failure to do so may cause damage to the equipment, or cause personal injury.

WARNING

- Serious injuries, including permanent paralysis, can occur in volleyball. Such can be caused by falls on the head, neck and other parts of the body, or by running into unpadded volleyball standards. Approved upright padding is mandatory.
- While it cannot be eliminated, the risk of injuries can be greatly reduced by following proper safety guidelines and providing proper maintenance and safety inspections.

GENERAL MAINTENANCE

- Inspect this equipment for wear, loose fittings, damage and proper stability before each use. Replace defective or worn parts immediately. If in doubt, do not use this equipment until repaired.

STORAGE

- Under no circumstances should volleyball standards be stored leaning against a wall or other rigid objects.
NOTE - WHEN SINGLE COURT IS USED, BRACE ON T-BASE MUST BE IN TENSION (ON OPPOSITE SIDE OF NET) - SUGGEST INSTALLATION OF TWO ADDITIONAL FLOOR ANCHORS IF ALTERNATE SINGLE COURTS ARE TO BE USED

PLAN VIEW SHOWING BASE AND FLOOR ANCHOR LAYOUT

3½" DIA. UPRIGHT

2" WIDE COURT LINE