FOR ASSEMBLY OF No. 855 END STANDARDS, SEE PAGES 1 thru 3
FOR ASSEMBLY OF No. 856 CENTER STANDARD, SEE PAGES 4 thru 7

No. 855 VOLLEYBALL PORTABLE END STANDARDS
ASSEMBLY and INSTALLATION INSTRUCTIONS

PARTS LIST - No. 855

<table>
<thead>
<tr>
<th>No.</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>UPRIGHT POST 000318 008</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>SLIDE 00026 001 SLIDE WITH PULLEY</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>SLIDE 00068 001 SLEEVE WITH NET TIE-OFF</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>WINCH 00058 000 REEL ASSEMBLY</td>
</tr>
<tr>
<td>5</td>
<td>1</td>
<td>WINCH 00022 000 CRANE FOR REEL ASSEMBLY</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>STAP 00015 000 STRAP ASSEMBLY</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>HOE 00081 000 1/4&quot; x 3/4&quot; LG FLAT HD SCREW</td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>HOE 02069 000 5/8&quot; x 4&quot; LG CARTRIDGE BOLT</td>
</tr>
</tbody>
</table>

FOR TENNIS NET HEIGHT OF 3'-6", LOCATE SLEEVE WITH NET TIE-OFF AT LOWER HOLE - TENNIS NET TOP CABLE FEEDS DIRECTLY INTO REEL ASSEMBLY AS SHOWN

WINCH STANDARD

TIE-OFF STANDARD

WIRE TENSION 1/2 TURN FROM LOCKING CAP NUT

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&quot;</td>
<td>B  7'-0¼&quot;</td>
</tr>
<tr>
<td>GRADES 7 THRU 9 (MIDDLE SCHOOL)</td>
<td>A  7'-4¾&quot;</td>
<td>B  7'-4½&quot;</td>
</tr>
<tr>
<td>GRADES 7 THRU 9 (Jr. HIGH SCHOOL)</td>
<td>A  7'-4¾&quot;</td>
<td>B  7'-4½&quot;</td>
</tr>
<tr>
<td>GRADES 9 THRU COLLEGIATE</td>
<td>A  7'-4¾&quot;</td>
<td>B  7'-4½&quot;</td>
</tr>
</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.

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1. Unpack all parts and check against parts list to ensure that all have been included. Tools required - 1/2” wrench, slotted and phillips screwdrivers, and tape measure.

2. Assemble three rubber feet (20) to underside of T-Base (11) using two 1/4" x 3/4" lg. cap screws (21) at each rubber foot. Repeat for other T-Base (11).

3. Assemble two wheels (17) to T-Base (11) using 3/8" x 2-1/2" lg. bolts (18) and 3/8" locking cap nuts (19). Repeat for other T-Base (11). See Detail "A".

4. Assemble handwheel with stud (12) to T-Base (11) using spring (13), 1/2" nylon flatwasher (14), 1/2" flatwasher (15) and 1/2" retainer washer (16). Repeat for other handwheels on both T-Base. See Detail "A".

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 "B".

6. Assemble reel assembly (4) to one upright post (1) thru pre-drilled holes, using two 5/16" x 4" lg. carriage bolts (8), 5/16" lockwashers (9) and 5/16" hex nuts (10). NOTE - pawl on reel assembly (which engages into gear) must be on top of the reel to operate properly. See Detail "B" and detail on Page 1.

7. Assemble sleeve with pulley (2) to upright post (1) with reel assembly (from Step No. 6). Engage spring-loaded lock assembly in one of the pre-drilled holes. See detail on Page 1.

8. Assemble sleeve with net tie-off (3) to other upright post (1). Engage spring-loaded lock assembly in one of the pre-drilled holes. See detail on Page 1.

9. Carefully slide upright post with reel assembly into T-Base (11). Rotate post until pulley sheave is aligned with T-Base, with reel assembly and pulley sheave toward the inside of the T-Base, as shown in detail on Page 1. Secure post to T-Base with two 5/16" x 3/8" lg. set screws (22). Repeat for other post assembly and T-Base, with "S" hook on tie-off sleeve toward the inside of the T-Base.

10. Secure T-Base/upright assemblies to pre-installed floor anchors using both handwheels (12) on each base. NOTE - T-Base MUST be anchored to the floor before the net can be attached to the uprights. See Detail "C" on Page 3 for floor anchor location details.

11. Follow specific net attachment instructions furnished with the net. Stretch net out on floor between volleyball standards. Protect net from dirt.

12. Starting at tie-off standard, place end loop (on net cable) over "S" hook on tie-off sleeve (3).

13. Stretch net across court and feed cable over and thru pulley sheave on winch standard. Pull nylon strap on reel assembly upward, and secure "S" hook to end loop on net cable.

14. Adjust net to desired height by pulling out spring-loaded lock assemblies on sleeve with pulley (2), and sleeve with net tie-off (3). Slide sleeves (2 and 3) up or down to desired net height, then release spring-loaded lock assemblies. NOTE - make sure the spring-loaded lock assemblies are engaged in a hole on the upright posts. See net height chart on page 1. Net height is measured at center of court. Note that a maximum of 3/4" net sag is allowed - net height can be 3/4" higher at court lines than at center of court.

NOTE - Allow for proper net sag, from center of court to court lines. See heights A and B in chart on Page 1.
PLAN VIEW SHOWING BASES AND FLOOR ANCHOR LAYOUT

3½" DIA. UPRIGHT

2" WIDE COURT LINE

29½" COURT WIDTH

CENTER TO CENTER OF FLOOR ANCHORS BASED ON COURT WIDTH OF 29½"
### VOLLEYBALL NET HEIGHTS

<table>
<thead>
<tr>
<th>SCHOLASTIC LEVELS</th>
<th>GIRLS / WOMEN</th>
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</tr>
</tbody>
</table>

**CAUTION** - Net height dimensions given allow for maximum allowable net sag. Overtightening 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 - 1/2" wrench, slotted and phillips screwdrivers, and tape measure.

2. Assemble three rubber feet (19) to underside of T-Base (10) using two 1/4" x 3/4" lg. cap screws (20) at each rubber foot.

3. Assemble two wheels (16) to T-Base (10) using 3/8" x 2-1/2" lg. bolts (17) and 3/8" locking cap nuts (18). See Detail "D".

4. Assemble handwheel with stud (11) to T-Base (10) using spring (12), 1/2" nylon flatwasher (13), 1/2" flatwasher (14) and 1/2" retainer washer (15). Repeat for other handwheel. See Detail "D".

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

6. Assemble reel assembly (3) to upright post (1) thru pre-drilled holes, using two 5/16" x 4" lg. carriage bolts (7), 5/16" lockwashers (8) and 5/16" hex nuts (9). NOTE - pawl on reel assembly (which engages into gear) must be on top of the reel to operate properly. See Detail "E", and detail on Page 4.

7. Assemble sleeve with pulley and net tie-off (2) to upright post (1) from top. Engage spring-loaded lock assembly in one of the pre-drilled holes. See detail on Page 4.

8. Carefully slide upright post into T-Base (10). Rotate post until pulley sheave is aligned with T-Base, with reel assembly and pulley sheave toward the inside of the T-Base, as shown in detail on Page 4. Reel assembly should be oriented the same as the reel assembly on No. 855 winch standard (see Detail "G" on Page 7). Secure post to T-Base with two 5/16" x 3/8" lg. set screws (21).

9. Secure T-Base/upright assemblies to pre-installed floor anchors using both handwheels (11). NOTE - T-Bases MUST be anchored to the floor before the net can be attached to the uprights. See Detail "F" on Page 6 for floor anchor location details.

10. Follow specific net attachment instructions furnished with the net. Stretch net out on floor between volleyball standards. Protect net from dirt.

11. Starting at tie-off standard from 855 system, place end loop (on net cable) over "S" hook on tie-off sleeve (3). See Detail "G" on page 7.

12. Stretch net across court and feed cable over and thru pulley sheave on 856 center standard. Pull nylon strap on reel assembly upward, and secure "S" hook to end loop on net cable. See Detail "G" on page 7.

13. Repeat Steps No. 11 and 12 for second net. Starting at center standard from 856 system, place end loop (on net cable) over "S" hook on pulley/tie-off sleeve. See Detail "G" on Page 7.


15. Adjust net to desired height by pulling out spring-loaded lock assemblies. Slide sleeves up or down to desired net height, then release spring-loaded lock assemblies. NOTE - make sure the spring-loaded lock assemblies are engaged in a hole on the upright posts. See net height chart on page 4. Net height is measured at center of court. Note that a maximum of 3/4" net sag is allowed - net height can be 3/4" higher at court lines than at center of court.

NOTE - Allow for proper net sag, from center of court to court lines. See heights A and B in chart on Page 4.
Detail "F"

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

-6-
REPLACEMENT PARTS LIST - No. 855 and 856

<table>
<thead>
<tr>
<th>Item</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>HAND DDS 000 SPRING-LOADED LOCK ASSEMBLY</td>
</tr>
<tr>
<td>B</td>
<td>PCAP 00013 002 PLASTIC OUTSIDE TUBE CAP (FOR TOP END OF STANDARD)</td>
</tr>
</tbody>
</table>
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.
- Lubricate spring-loaded lock assemblies periodically (at least twice a year) to minimize wear and to ensure proper operation.

STORAGE

- Under no circumstances should volleyball standards be stored leaning against a wall or other rigid objects.

⚠️ WARNING: This product can expose you to Vinyl Chloride, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.