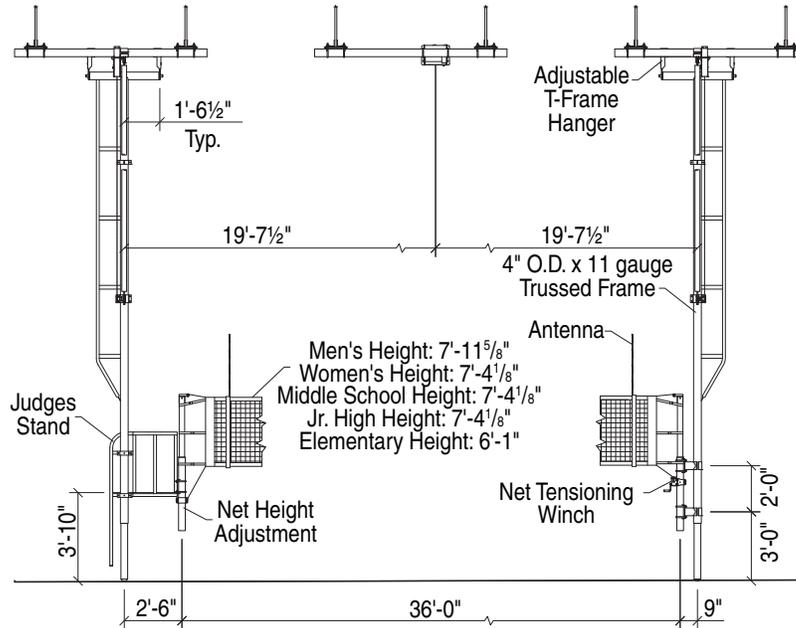
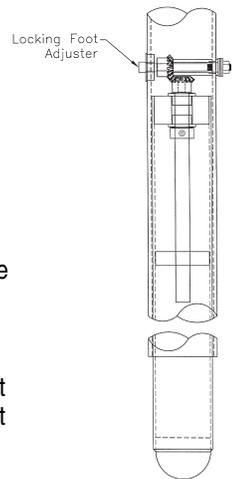


OVERHEAD VOLLEYBALL SYSTEMS OPERATION INSTRUCTIONS



- ① Make sure OVS –Overhead Volleyball Systems can be clearly seen from key switch or operator location. If clear view does not exist, use two or more people to observe and relay information to person operating system. Only qualified and properly trained personnel should operate volleyball system.
- ② Ensure that area under and around volleyball system is clear of people and potential obstructions. Lower volleyball system from storage position by operating winch at key switch. Carefully watch the volleyball system during the full operation cycle to insure that everything runs correctly. Allow winch to run until it is stopped by the limit switches to make sure vertical mast assemblies are in the full down position.
- ③ After vertical masts are in full down position, lower the stabilizing foot assemblies until they are in contact with the floor by turning the locking foot adjuster bolt using crank handle provided with volleyball system. NOTE – Always make sure stabilizing foot is retracted off the floor prior to folding volleyball system to the storage positions.
- ④ To change net height, you must loosen the pressure locking hand knob so that it is completely clear of the recessed grooves on the inner post. Detach the bottom rope and net tensioning straps from one side of the net, then loosen the top net cable by turning the net tension winch counterclockwise. After net is slack, increase or decrease the net height by the increasing or decreasing the telescopic post length by using the crank handle to turn the height adjustment bolt at the bottom of the post until post is at desired height. Re-tighten top net cable, attach and tension bottom rope and attach and tighten net tensioning straps.

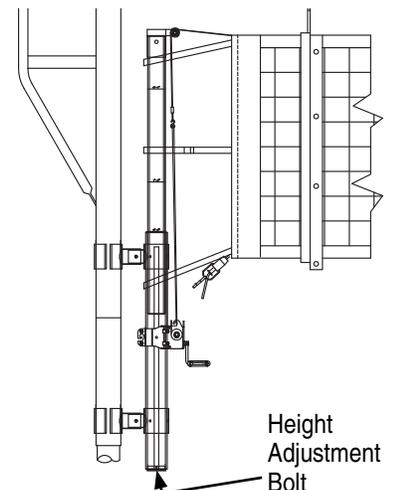


Net Height

Regulation net heights are measured and set at the center of the net. The ends as they cross the boundary line cannot exceed regulation height by more than 3/4" which allows for natural net sag. Below are official heights recommended by USA Volleyball:

Age Groups	Girls/Women	Boys/Men
10-under	6'0" (1.83 M)	6'0" (1.83 M)
12-under	6'6" (1.98 M)	6'6" (1.98 M)
14-under	7'4 1/8" (2.24 M)	7'4 1/8" (2.43 M)
16-under	7'4 1/8" (2.24 M)*	7'11 5/8" (2.43 M)*
Older	7'4 1/8" (2.24 M)*	7'11 5/8" (2.32 M)*

*Official net heights for High School, Collegiate and International Competition. Heights etched in post are shown in nominal dimensions, but should equal these heights if system is properly installed.





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OVERHEAD VOLLEYBALL SYSTEMS MAINTENANCE INSTRUCTIONS

Draper's OVS Overhead volleyball system is designed to operate for many years with a minimum amount of maintenance. However, you should periodically inspect your ceiling suspended volleyball system to possibly more often if used heavily. If you encounter problems or need to replace any parts, please contact Draper or your local Draper representative.

Winches

- ① Examine cable drum on winch for excessive wear or looseness. Ensure cable is wrapping correctly, and that "stacking" (cable wrapping unevenly in layers) does not occur.
- ② Check key switch operation. Make sure keys work properly, and that winches respond correctly.
- ③ Make sure winch is still properly anchored. Make sure anti-rotation bolts are installed. If winch has slipped slightly, correct and tighten bolts using an impact wrench.

Please Note: Draper winches are self-lubricating. No periodic application of grease or oil is required.

Cable Run

- ① Check cable sheaves for excessive wear or looseness. Make sure cable is still passing properly through all sheaves and pulleys.
- ② Inspect cable clamps for tightness; Make sure there is no slippage.
- ③ Check aircraft cable for fraying. (Hint: One way to do this is by running an oily rag along the aircraft cable. The rag will snag on frays; it will also lubricate the cable). If fraying is encountered, contact your dealer or Draper, Inc. for replacement.

Caution: Wear Gloves when checking for frays!

Safety Belts

- ① Check safety belt for tears or fraying.
- ② Make sure connection to backstop is secure, and that clamps are tight and in their original position. Inspect safety belt structure attachment.
- ③ Make sure bolts and clamps are still tight, and that the unit has not slipped.

Superstructure and Vertical Mast Assemblies

- ① Inspect system attachment and superstructure. Make sure all bolts and clamps are tight and have not shifted.
- ② Work your way down each mast assembly, making sure all clamps are tight and in their original positions. Check for cracks, corrosion, or other signs of damage or excessive wear.
- ③ Make sure folding braces are still at proper length, and that jackknives are folding correctly.
- ④ If system includes a Judges Stand, check all clamps and hardware that secure to vertical mast assembly, making sure all are tight and that there are no signs of it having moved on the mast assembly. Make sure platform is secure and that steps include anti-slip pads. All pads should be present and attachment should be secure.
- ⑤ Check clamps attaching volleyball post assemblies to make sure all hardware is tight and in original position. Check for cracks corrosion or other signs of damage or excessive wear.
- ⑥ Operate each stabilizing foot to make sure it operates smoothly. Inspect nylon foot to make sure it is clear of anything that might damage playing surface.

Telescopic Posts, Net and Pads

- ① Check all set screws, nuts and bolts on the unit to insure that none have worked loose. Make sure net tensioning winch is secure, operates smoothly.
- ② Check for any tears in the net. If tears are present, patch or repair immediately to prevent further damage.
- ③ Check for abnormal wear (i.e. fraying) in the net cables or winch belt. Should severe wear be detected, discontinue use immediately and contact your dealer or sales representative.
- ④ Clean pads with mild detergent and water or any off-the-shelf vinyl cleaner.



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LIMITED WARRANTY OVS - Overhead Volleyball System

Draper'S OVS Overhead Volleyball System is warranted to the end user for a period of one (1) year from date of substantial completion and acceptance or eighteen (18) months after date of shipment whichever comes first. In the event that any component fails under normal use and conditions, that component will be replaced or repaired. Routine maintenance and adjustment excluded.

Misuse or abuse from vandalism, improper installation or improper maintenance is not covered under this warranty. Damages due to extreme weather conditions such as floods, tornadoes or other Acts of God are also expressly not covered under this warranty.

THIS WARRANTY DOES NOT COVER:

- ① Dissatisfaction due to improper installation or maintenance or dissatisfaction due to deviation from printed installation and maintenance instructions.
- ② Damage in use due to tears, punctures, burns, scuffs, accidents emanating from lack of, or improper operation in conjunction with adjacent equipment or any intentional misuse of the product or vandalism.
- ③ Liability for consequential, incidental, special or any other damages, no matter what the cause.

DATE APPLIED: One (1) year from date of substantial completion of job and acceptance by the owner or eighteen (18) months after date of shipment, whichever comes first.

DRAPER, INC.