



Aluminium Tennis Mobile System Installation Instructions

The following instructions must be followed to ensure that this Aluminium Tennis Mobile System is correctly installed. If you have any questions regarding installation or if any of the instructions are not clear to you, please contact us phone: 092949172/021764202 or email: kevin@mayfieldsports.co.nz



Equipment Checklist

- 1x Tennis Post with Winder
- 1x Tennis Post with Cable Attachment
- 2x End Stands (with two wheels attached)
- 4x Stand Weights
- 2x Outer Beams (with hole underneath for feet)
- 1x Middle Beam (with one wheel attached)
- 4x Support Braces
- 4x Bolts (135mm x 19mm with washers) longer
- 6x Bolts (95mm x 19mm with washers) shorter
- 6x Feet (27mm nut)
- 1x Tennis Net 42 Feet
- 1x Centre Band
- 1x D Bolt

Tools Required

- 1x 8mm Allen Key (**included with bolts**)
- 1x 30mm Crescent (or 19mm spanner/socket & a 27mm spanner)
- 1x Philips Screw Driver
- 1x Wire Cutters/Hacksaw/Pliers
- 1x Scissors
- 1x Rubber Mallet (optional)

Installation Recommendations

The Mayfield Sports Aluminium Tennis Mobile System can be installed by one person if required, however for ease of installation at least two people are recommended to avoid heavy lifting and equipment damage.

Step One: Preparation

Remove plastic bubble wrap from all items while being careful not to scratch the black powder coating of the aluminium. Check that all items on the Equipment Checklist have been delivered.

Step Two: Preparation

Place all hardware in the position that it will be in when the mobile system is constructed (see below). Place the two end stands at each end, place the outer beams from the edge of the court in, and the middle beam (with wheel attached) in the middle of the court.



Step Three: Weight Installation of End Stands

The End Stand is shown in the photo below, the two wheels shown will already be installed. Next to the two installed wheels (on the bottom of the end stand) there are two holes for two feet to be screwed into. Screw both feet into the stand with a crescent or 27mm spanner. Use a Philips screwdriver to unscrew the 4 screws on the left end of the stand. Once this is done you will be able to see the top of the left foot (closest foot), unscrew this foot until it is flush with the bottom of the stand (so the weights can be slid in) and leave the other right/far foot screwed in so it can't be covered by the weights. There are two weights that need to be installed into each End Stand. **It is very important that the weights are put in the correct way so the feet can work properly and so they are not damaged during installation.** For the first weight the grooved end must be put in **first**, with the groove positioned **vertically** (so the feet can screw into the stand without touching the weight). For the second weight the grooved end must be put in **last** and again positioned **vertically**. The weights can sometimes become slightly stuck during installation **DO NOT TIP THE END STAND UP ON ITS END WHEN INSTALLING WEIGHTS** the force from the heavy weight will break the stand and the right foot. If the weight is stuck a rubber mallet can be used to push the weight into place safely. Once the weights are installed screw the left foot back into place, watching to make sure it screws clear of the weight. After this, check that the right foot can also screw up and down freely. When both feet are working correctly put the cap back on the stand and screw in the 4 screws. Repeat this process again with the other End Stand.



Step Four: Tennis Post Installation onto End Stand

Place the two Tennis Posts onto the sleeve of each end stand, making sure that you have the winder post (has handle attachment) at the side of the court you desire (normally entrance to court or most used side of court). Both posts will slide easily onto the top sleeve of the stand (above the wheels and feet) with ease. Make sure that for the post with winder attachment, you have the winder side facing away from the court and the hole at the top of the post for the cable of the net to go into facing inwards to the court. It is also a good time

to screw on the winder handle at this stage (onto the small metal square that sticks out from the post) with an adjustable crescent. For the cable attachment post put the hook side of the post facing away from the court so the cable of the Tennis net can go over the top of the post and attach to the cable hook.

Step Five: Outside Beam to End Stand Attachment

Push the beam onto the remaining sleeve of the end stand (making sure the beams foot hole is facing downward) until it is touching the base of the stand and the holes on the sleeve and the beam line up. Attach the two support braces (shown in the first photo) one each side of the tennis post with the long (135mm) bolts, tighten with hand at this stage to allow for easy movement. Secure the two braces to the second beam hole (away from the end stand) with another long (135mm) bolt, again only tighten all bolts by hand at this stage. It also worth noting that for cosmetic reasons try to be consistent with bolts, so the nuts are on one side of the mobile system and the heads on the other side. Finally attach a shorter (95mm) bolt into the remaining hole. It is also good practice to attach the foot to the outer beam at this stage to make middle beam attachment easier in the following stage. Repeat the above process with the other end stand and outer beam.

Step Six: Middle Beam to Outer Beam Attachment

Push the middle beam over the sleeve of one of the outer beams until the outside aluminium of each beam touches and the two holes line up. Secure the beams together by attaching the two shorter (95mm) screws through the two holes and hand tighten them. Repeat this process with the other outer beam to the other end of the middle beam. It is worth noting that this can be considerably more difficult due to the fact you have to push the weight of the end stand and outer beam onto the middle beam. The best way to do this is have one person line the sleeve and middle beam up and have another person push the weight of the outer beam and end stand into the middle beam (adjust the feet height to help line the outer beam up with the middle beam if required).

Step Seven: Bolt Tightening

Use an 8mm Allen key (included with bolts) and a 19mm spanner/socket or an adjustable crescent to tighten all bolts. Make sure the mobile system is lined up straight before commencing tightening of bolts. Tighten bolts firmly but not so tight that it damages the aluminium of the mobile system. Also check that the washers are on the head side of the bolt and NOT the nut side.

Step Eight: Net Installation

Unroll the Tennis net out with the small cable loop end of the net (not the adjustable end) at the cable attachment end of the mobile system. Secure the small looped cable end of the net over the hook of the post with the cable then going over the top of the post (sitting in

the grove on the top of the post) as shown in the picture below. At the winder end of the system remove the plastic top of the post and thread the cable through it. To do this you will have to remove the small U Bolt that is on the end of the cable for regular post systems, this can be done simply by undoing the two bolts with a crescent. There will now be an amount of excess cable. This excess cable needs to be cut to the required length **IT IS VERY IMPORTANT YOU DO NOT CUT THE CABLE TOO SHORT**. To make sure you get the length right before you cut the cable you need to follow these steps;

- Check that the cable attachment end is still sitting correctly at the other end
- Make sure you have threaded the cable through the plastic top at the winder end
- Pull the net firmly so it is tight
- Line the cable up inside the post next to the hole in the internal winder where the cable needs to be threaded through (while the net is pulled tight)
- Mark this point and add an extra 10cm/4inches
- To make sure the mark is correct repeat the above steps



It is far better to be conservative with the amount of cable cut, you can always cut more off after the first cut if the cable is too long but nothing can be done with a short cable. When you are sure your mark is correct and you are sure you will have enough cable to be thread through the internal winder once the cable is cut you are ready to cut the cable. This can be easily done with wire cutters or a hacksaw or pliers if wire cutters aren't available. Once the cable is cut, thread the cable through the hole in the internal winder inside the post. Start winding the handle on the post and make sure the cable is staying threaded through the winder, once you are confident of this put the plastic top back on top of the post and tighten the net until it is firm but not fully tight. Following this thread the ropes at each end of the net to each post to pull the net as tight as possible. Put the centre band over the net in the centre of the system and secure it to the eyelet on the middle beam (above the middle wheel) with the D bolt provided. You can now tighten the net to desired tension. The standard height of a Tennis Net is 3ft/91.4cm in the middle (above the centre band) and 3ft6/107cm at each end. To change the height of your net, simply adjust the feet to get the net to regulation height. To move the mobile system simply screw in the feet until the wheels touch the ground.

Your mobile system should now be complete, if you have any questions or concerns feel free to contact us phone 092949172/ 021 764202 or email: kevin@mayfieldsports.co.nz.