



TURFHOUND TEE-LINE INSTALLATION/PREPARATION PROCEDURES (3 pages)

1. Please read below carefully **BEFORE** assembling. You should also visit our website and click on the installation tab then on the instructions associated with your model. There are is a slide show of actual installations and will give you an overall feel for the process. Never hesitate to call if you have questions!
2. Prior to the delivery of your product, you would have determined the tee-line dimensions including width, length, and depth with the help of your TurfHound representative.
3. Prepare the foundation with a firm substructure (recommend concrete). Make sure both ends of the substructure are square to avoid any startup issues at installation **AS WELL AS stations being pointed toward the center of the range**. Construct and pour the slab to the recommended dimensions on the schematic provided to you by your TurfHound representative. See below for material and install specifications.
4. Upon delivery, check that the skids are in tack; take a picture if not and send to your representative. The rough components will be compressed from shipping, they will relax and begin to stand up over the next 48 hours with sun, rain, and your irrigation/sprinkler system; you can accelerate this process by using a plastic leaf rake to pull the grain up and towards you. The panels may be a little slick from processing. Do not stand or step on the panels until they are properly installed. The slickness will dissipate in 24 to 48 hours.

YOU WILL NEED:

Power supply (extension cords and generator).

String line and stakes.

Hammer drill with a 3/8" drill bit to pre- drill holes in concrete to run string line **OR** use metal stakes if hammering into the grass.

Two- 3/8" x 4" Tapcon to secure the front/side frame corner component to string the line in the concrete (2 for each end).

One- 3/16" drill bit to pre- drill holes through grommets (best to purchase a couple spares).

Drill driver with 3/8" nut driver.

1-2 Boxes (depending on tee-line length) .25"x1.25" Tapcon screws.

5. Lay the panels out in order of the assembly pattern on the grass just in front of the pad (2 fairway, two rough).

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6. Construct the front and side frame components only according to the assembly pattern. Note the long arm of the 4 corner frames must face the target, or the panels will not fit properly. Depending on the design of your tee line, corners and straight pieces connect with 0" and/or 6" connectors (refer to your Assembly schematic). Always listen for the connector to click into place. If you connect left to the right straight frame and they do not click together remove connector from both straights and connect in the opposite direction (right to left).
7. After the front and side frame is assembled and positioned evenly on the substructure, pre-drill a hole along the inside support arm of the corner frame component of each front corner; run a string line from the right corner frame to left corner frame. Choose where the string will be placed (edge of the frame or just inside) keeping the depth of your surface in mind so the frame doesn't run off the cement leaving nothing to screw down into. Keeping the string straight and tight (not sagging). Walk the length adjusting the frame to the line.
8. Upon completion, look down the line to assure it's straight and adjust accordingly. Then, using the hammer drill, pre- drill through **every other** grommet using a 3/16th bit then screw the front frame with .25" x 1.25" Tapcon screws. Secure the front frame component **prior** to placing the pads.
9. Assemble the back frame in groups of 4 -5 down the length, but **DO NOT CONNECT OR SECURE ENTIRE BACK YET.**

Surface Assembly

10. Start at one end and assemble the panels for the grass end cap and first two (2) stations (fairway and rough and if applicable perimeter rough) and make sure the pads are square to the frame (no spaces between frame and surface or between surfaces) AND the rough panel grain is facing forward. Installing this way will help maintain a square frame along the entire length. You may have to push or pull the back corner of the side frame assembly to help square the first station (this is the reason why you do not screw down the sides). Install two fairway panels followed by the rough panels (and perimeter rough if applicable). As you finish a complete station (2 fairway, 2 rough) connect the back frame and **slightly** push the back frame into the back of the surfaces with the tip of your foot so there is no gap. You **DO NOT** want to squeeze the pads too tightly as they will expand with moisture.
11. For the TL059 and TL076 model it is necessary to keep the edges of the turf panel seams aligned with the front and back joints of the 33" perimeter frame parts. If one side is running behind or ahead of the joints, it means the tee line is not square. Keeping the turf panels even and parallel with the frame guarantees the tee-line will remain square as you continue to install the rest of the tee line.

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12. As you place the panels make sure that the turf panels are sitting securely side by side, **but do not squeeze together**, the panels should always touch lightly against each other to remain flat as they will expand slightly with moisture.
13. Once all the pads are installed begin to screw down the back frame. Pre-drill with the hammer drill followed by the drill driver. Slightly push the frame with your toe to assure there is no space between the frame and the turf. Step on the edge of the frame and lift one panel at a time. Pre-drill a hole with a 3/16" bit and screw in **every other grommet** hole with .25"x1.25" Tapcon.
14. After all panels are installed, insert the tee and grass plug components, (either the slotted tee holder or the telescoping tee holder). Place the Tee Holders the front open slots of each fairway panel installing from underneath the panel with the slit facing up for slotted tee holder (or telescopic). The grass plug can be pushed down FLAT from the top or up from underneath in the back slot. Refer to your "Preferred Maintenance" document for further guidance on the tee holders and caring for your surface.
15. Finish the tee line installation by installing natural grass sod or stone pavers against the perimeter frame. We suggest installing perimeter pavers as this will increase the aesthetics of your tee line and protect against grass intrusion. The sod should half way up the height of the "ogee" of the frame.

THIS SHOULD ONLY BE DONE AFTER INSTALLATION AS IT WILL MAKE INSTALLATION DIFFICULT TRYING TO KEEP A STRAIGHT LINE!

Do not hesitate to call if you have any questions during your installation!

Cathy DeMarco
Director of Customer Relations
(215) 783-5220
cathy.demarco@turfhound.com

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