



### **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 and also after it rains; 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.

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

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5. Construct the front and side frame components only according to the assembly schematic. Note the long arm of the 4 corner frames; they must face the target or the panels will not fit properly. Depending on the design of your tee line, corners and straight pieces are connected 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).
6. After the front and side frame is assembled and positioned evenly on the substructure, pre-drill holes along the support arm of the corner frame component of each front corner; run a string line from the right corner frame to left corner frame (if you chose not to run a string line, disconnect the frame at about the 1/3 and 2/3 point along the length, it will be easier to keep the tee line square as you go). Choose where the string will be placed (outside edge of the frame or just inside) keeping the depth of your surfaces in mind and keeping the string straight and tight (not sagging).
7. Using the hammer drill, pre drill through **every other** grommet using a 3/16<sup>th</sup> bit then screw the front frame and each half of the left and right sides using the drill driver and .25"x 1.25" Tapcon screws. Secure the front and side frame component **prior** to placing the pads.
8. Assemble the back frame in groups of 4 -5 but DO NOT SECURE ENTIRE BACK YET. Secure as you assemble a full station (2 fairway and 2 rough).

#### Surface Assembly

9. Start at one end and before assembly make sure the 4 foundation frame corners are square. 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 in the correct direction (see step 11). Installing this way will help maintain a square frame along the entire length. Install two turf sections followed by the rough section(s) (and perimeter rough if applicable). As you finish a complete station (including rough panels) **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.
10. For TL059 and TL076 models 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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11. Be sure to match up the grain direction for all rough components so that they all point forward and in the same direction; at 1 o'clock for the TL059, TL076 and TL100 models; and at 11 o'clock for the TL080 model. You should now have a sense of how the tee line goes together and what to look for to keep it square on the slab as you proceed.
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 in the back frame. Pre drill with the hammer drill followed by the drill driver. Slightly kick 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 from the top 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 be at the height of the "ogee" of the frame. **THIS SHOULD ONLY BE DONE AFTER INSTALLATION!**

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

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