

# TurfTracker 4401

# Assembly Instructions:

Before you get started, check to see that you have all the parts listed below. Read all directions before starting any assembly.

## Parts Shown in Figure 1:

- Switchbox Power Unit w/10' Battery Cable, 1 ea.
- Tank Stand, 2 ea.
- 2 qt. Tank, 2 ea.
- Cap Assembly, 2 ea.
- Foam Tubing Elbows, 2 ea.
- Collector Heads, 2 ea.

## Parts Not Shown in Figure 1:

- \* 1" Section of Velcro, 4 ea.
- \* 20' Section of Vinyl Foam Tubing, 1 ea.
- \* 20' Section of Air Tubing, 1 ea.
- \* Cable Ties, 12 ea.

### 1. Attach the Tank Stands

Determine a convenient location to bolt the tank stands, keeping in mind that the tank should be mounted near the back of the applicator and be kept in a perpendicular position with one tank for each side of the boom. The stand is designed to facilitate many different mounting configurations. Often times, the bracket will easily mount on a horizontal frame member on the applicator. Attach the tank stands to the spreader using U-bolts or hex-head bolts as needed (not supplied).

### 2. Set Tanks in Stands

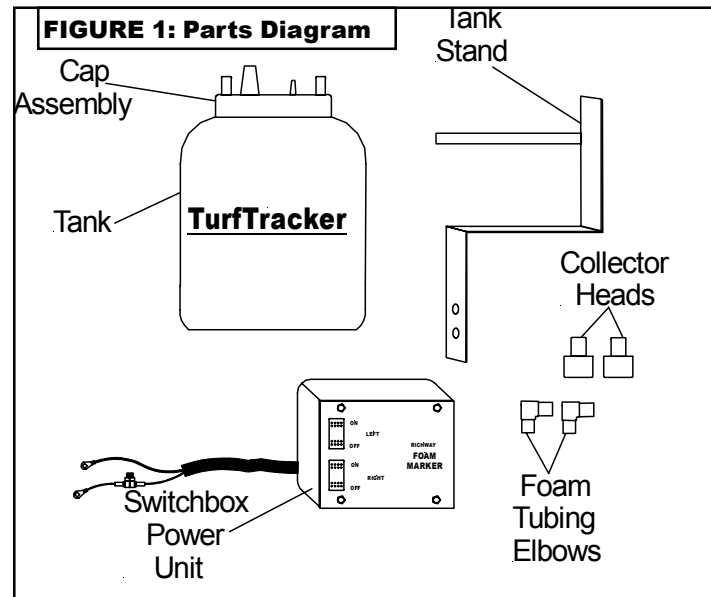
Place each tank in a tank stand and secure cap assemblies.

### 3. Attach Power Unit Switchbox

Determine a convenient location to place the power unit switchbox for ease of turning on and off. Either bolt the box down or attach using the 1" velcro strips provided. Secure firmly in place as needed. Route the battery cable to the battery and secure the white wire to the positive (+) battery post. Secure the black wire to the negative (-) battery post.

### 4. Install Air Tubing

Using the smaller diameter air tubing, connect the tubing to the left outlet on the back of the switchbox assembly and route back to the left tank. Connect to the small inlet on the top of the bottle assembly. Repeat procedure for the right side connection and tank. Secure tubing as needed with the cable ties provided.



### 5. Install Foam Tubing

Starting at the tanks, connect the larger diameter foam tubing to the cap assembly outlet and route the tubing to the end of the boom. Secure tubing as needed with the cable ties provided and repeat procedure for the other side. Cut two additional lengths of tubing to use as drop tubes at the end of the tubing assembly. When positioned and cut correctly, the drop tubes should be about 6 inches above the applicator canopy to prevent the foam drops from blowing off course. Insert the foam tubing elbows into the foam tubing at the end of each boom. Insert the foam drop tubes into the foam tubing elbows. Insert collector heads into the bottom of the drop tubes.

## TO USE YOUR NEW TURF TRACKER 4401 FOAM MARKING SYSTEM:

Your TurfTracker 4401 Foam Marking System is designed to operate with normal liquid dishwashing soap and distilled water, but conditions vary and can effect foam output. The operator may need to alter mix rates and products used to get the desired results.

### 1. Add Distilled Water

Fill each tank  $\frac{3}{4}$  full with distilled water. The manufacturer recommends using distilled water- use of any other water source may decrease performance of the unit. Overfilling the tank will initially decrease performance.

### 2. Measure & Add Liquid Dishwashing Soap

Add 1-3 Tbls. of liquid dishwashing soap to the water. It is recommended that you first mix 1 Tbls. of soap and check the foam output of the unit. Increase soap concentration to get the desired foam output. Performance of the foam marking unit may vary with different kinds of dishwashing soap. If foam output is poor, try a different kind of soap. **This unit is designed for LIQUID dishwashing soap.**

### 3. Shake Bottle

Replace the cap assembly onto the tank. Shake the bottle a few times and return assembly to the tank. Reattach the hoses.

### 4. Run for 30 Seconds

Turn on the power unit and let run for 30 seconds until foam output is consistent. Begin fertilizing with your new foam marking system. Remember that the marker is marking the edge of your lawn treatment, not your wheel tracks. Adjust your treatment path to eliminate unsightly skips and overlaps.

Instructions Continued on Back Panel

### WHAT TO EXPECT WITH YOUR TURFTRACKER:

After about 30 seconds, your foam output should become more consistent, with a drop of foam coming out of each drop hose every 1-2 seconds. Foam output will become sporadic after approximately 25-30 minutes of continuous running per tank. Once the foam solution level drops below 2" in the tank, stop and refill the container. Performance of the foam marking system will greatly decrease once the liquid level drops below 2" in the tank. Normally, the foam will stay on the ground from 10-30 minutes, depending on weather conditions. The foam shouldn't harm your lawn or plants, but it is advisable to first test the foam in an inconspicuous space to determine if your plants are susceptible to any adverse effects from the foam.

### CAUTION:

**DO NOT GET FOAM IN YOUR EYES.**

### MAINTENANCE AFTER EACH USE:

Fill the tank with hot water and run for approximately one minute. Thoroughly rinse the tank out with hot water. Disconnect from battery. Make certain all components, especially the tubing, are dry before storing in freezing temperatures.

### TROUBLE-SHOOTING:

#### Inadequate Foam Output-

- \*\* Check Airline Connections- Make certain air is not leaking at the pump fitting and external and internal cap assembly fittings
- \*\* Check Cap Assembly- Cap should be fitting tightly on bottle
- \*\* Check Airline Tubing- Be sure that airline tubing is not plugged from the pump to the bottom of the foam generation tube
- \*\* Check Foam Tubing- Make certain foam tubing is free of any obstructions
- \*\* Use distilled water
- \*\* Try another brand of liquid dishwashing soap
- \*\* Increase the amount of liquid dishwashing soap used in each batch

#### Runny Foam-

- \*\* Use less liquid dishwashing soap in each batch
- \*\* Only fill tank 3/4 full

#### Foam Going Into Air Pump-

- \*\* Replace check valve

#### Takes Too Long to Produce Good Foam-

- \*\* Use less liquid dishwashing soap
- \*\* Only fill tank 3/4 full



## TurfTracker 4401 Foam Marking System

- Versatile Mounting Options
- Easy-Fill 2.0 Quart Containers
- 40-foot of Durable Vinyl Tubing
- Fits Most Applicators Up to 15' Wide
- Easy Mounting
- 1 Hour Run Time
- Uses Ordinary Liquid Dishwashing Soap
- Durable, Rust Proof Parts
- Made in U.S.A.

### Questions, Comments, Information

Visit the TurfTracker website:

***[www.turftrackernow.com](http://www.turftrackernow.com)***

**\*\* TurfTracker is a trademark of  
Richway Industries, Ltd.**

**\*\* Patent Pending**

Thank you for purchasing a Richway **TurfTracker** foam marking system. Please read and follow all directions carefully to ensure proper mounting of the system and longevity of the product. With its rustproof parts, the **TurfTracker** is designed to give you great results for many years to come.

**Assembly and Use Instructions Inside  
Save for Future Reference**