



## **6' & 8' SNOW ROLLER**

### **Assembly and Operation Manual**



You will find the most up to date version of this document on our website  
[www.tiddtech.com/resource-center/tidd-tech-manuals](http://www.tiddtech.com/resource-center/tidd-tech-manuals)

1100 Roundhouse Road • Spooner, WI 54801  
Toll Free: 1-877-843-3832 • Local: 1-715-635-3220  
Website: [www.tiddtech.com](http://www.tiddtech.com) • Email: [ttech@tiddtech.com](mailto:ttech@tiddtech.com)

# Packing List

TT6R / TT8R

- (1) Roller Drum Assembly**
- (2) Hub assemblies attached with
- (8) 3/8" x 1-1/4" BHCS, 3/8" washer and 3/8" LN
- (1) Tidd Tech label on each hub assembly
  
- (1) Drawbar** - wrapped
- (2) Pillow blocks for 1" shaft - test for fit; wrap to hub assemblies
  
- (1) Trail Tenderizer loop hitch;** wrap to hub assembly
  
- (1) Parts Bag** (PN 012191-01) - wrap to hub assembly
- (8) 3/8" fender washers
- (4) 3/8" x 2-3/4" HB
- (4) 3/8" LN
- (12) 8 penny nails
  
- (1) 012277-03 Manual** - wrap to hub assembly

## SAFETY

This is the part of the manual that contains **IMPORTANT** safety information. Many products purchased in today's litigious society come with volumes of so called "safety information" complete with diagrams and intelligence insulting text that are so ridiculously obvious that most people ignore the entire section. We have left out the ridiculous and obvious in order to provide you with concise information we believe you can use. It is simply not possible for a manufacturer to anticipate all of the ways an end user can misuse a product to cause damage or injury, but below are the issues we believe a reasonable and responsible operator should pay attention to. Please read this manual completely before operating your machine. If you discover something you believe we should add to this manual, by all means call us, toll free at (877) 843-3832. We do appreciate your feedback!

## ASSEMBLY

Carefully remove strapping which attaches the roller drum to the pallet. Find and remove items attached to the spokes on the roller drum. Unwrap the drawbar.

Slip the pillow block bearing units onto the stub axles on the roller drum. You may want to use a bit of WD-40 or similar lubricant to make this easier. The pillow blocks go on with the set screw collars to the inside (toward the hub). Try to have the set screws towards the floor for easier adjustment. The approximate placement of the pillow blocks is with the stub axle end even to the outside edge of the pillow block bearing. Tighten the set screws just slightly so the pillow blocks don't fall off as you are attaching the drawbar.

Attach the drawbar to the pillow blocks using the 3/8" x 2-3/4" hex bolts, washers and locknuts provided. The pillow blocks attach to the underside of the drawbar when the drawbar is in its upright position (when the drawbar is upright the two baskets hang below the drawbar). You will want to loosen the setscrews on the pillow blocks as you attach the second pillow block to the drawbar. Before tightening the hex bolts, center the roller drum in the drawbar front to back. After tightening the hex bolts, center the roller drum in the drawbar side to side and tighten the setscrews.

Slide the loop hitch into the end of the drawbar and fix it into place with an 8 penny nail (always bend the nail over to prevent it from shaking out, and to prevent injury). We recommend carrying a supply of shear pin nails in the tow machine, and taping some emergency spares to the drawbar (see operation section).

## OPERATION

Do not run over skiers on the trail. It's very bad for repeat business. Seriously, if you groom during the day, stop and make sure that skiers are completely out of your way before passing them. NOTE: The six foot wide roller sticks out rather far on each side. Take this into account, especially near skiers and trees.

The tow hitch of the roller is supplied with a shear pin mechanism. You should use eight penny coated or galvanized nails for the shear pins. The pin should break upon serious impact with rocks, stumps or trees. It is far better to go back and get the roller than to go over or through the windshield. If the pin breaks constantly in rough terrain, you can increase the size of the nail slightly.

**ALWAYS CARRY A SUPPLY OF SHEAR PINS IN THE SNOWMOBILE.** A good idea is to duct tape several nails near the hitch. Use them only when you've forgotten to put some in the snow machine. It is actually fairly rare that you break the shear pin, except by hitting fixed objects like trees, but if you have a lot of play in your snowmobile hitch, the nail will eventually wear through from the back and forth movement. This is not a problem, just be aware that it can happen and have extra nails on hand.

## USE OF THE TIDD HAULER® BASKETS

The baskets on your Tidd Roller drawbar will accommodate two 30 gallon rectangular plastic trash cans, like the Rubbermaid Roughneck (available at most hardware stores, Ace Hardware stock # 73690). You will be able to carry snow, shovels, trail and race signs, etc. in these trash cans. Go easy on the weight – you can carry up to about 150 lbs total on the drawbar, but you need to slow down especially on rough terrain. If you are operating the roller on extremely rough terrain and/or very deep snow, you can flip the drawbar over the drum and operate with the baskets up to improve clearance.



## PACKING SNOW

This isn't rocket science – just roll it! Use your roller to preserve every inch of base. By rolling before finish grooming, you will compact the snow without plowing any off to the side. You will find that you can run your roller in much less snow than your Trail Tenderizer, so roll your snow in the early season to build the base. Roll any “big dumps” during the season before finish grooming with the Trail Tenderizer to prevent plowing. It is always tempting to roll fast, but if you go too fast the roller will bounce and leave an uneven surface. The deep grooves that the roller leaves when packing snow can be a real base builder if you have blowing and drifting. The grooves will quickly fill in with wind blown snow, and if you keep rolling, you can keep gaining base.

## CARE AND MAINTENANCE

An occasional shot of multi-purpose grease will keep the pillow blocks operating for a long time. Keep your roller drum out of the sun when not in use to prevent degradation of the plastic by UV light.

## LIMITED WARRANTY FOR TIDD TECH PRODUCTS BY TIDD TECH

Products from Tidd Tech carry a one year warranty. If the equipment fails due to a defect in materials or workmanship within one year from the date of purchase, Tidd Tech will repair or replace the part free of charge.

This warranty is not transferable and does not cover damage resulting from anything other than defects in material or workmanship. This warranty does not cover damage caused by unreasonable use, nor replacement of non-defective parts that may wear and need to be replaced within the warranty period.

For warranty service you must, at your own expense, arrange to deliver or ship the product or part(s) for warranty repairs to Tidd Tech at the address below.

This limited warranty is in lieu of all other express warranties. Tidd Tech shall not be liable for any special, incidental or consequential damages.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

# TIDD TECH

1100 Roundhouse Road • Spooner, WI 54801

Phone: 1-877-843-3832

Email: [tech@tiddtech.com](mailto:tech@tiddtech.com)

[www.tiddtech.com](http://www.tiddtech.com)