

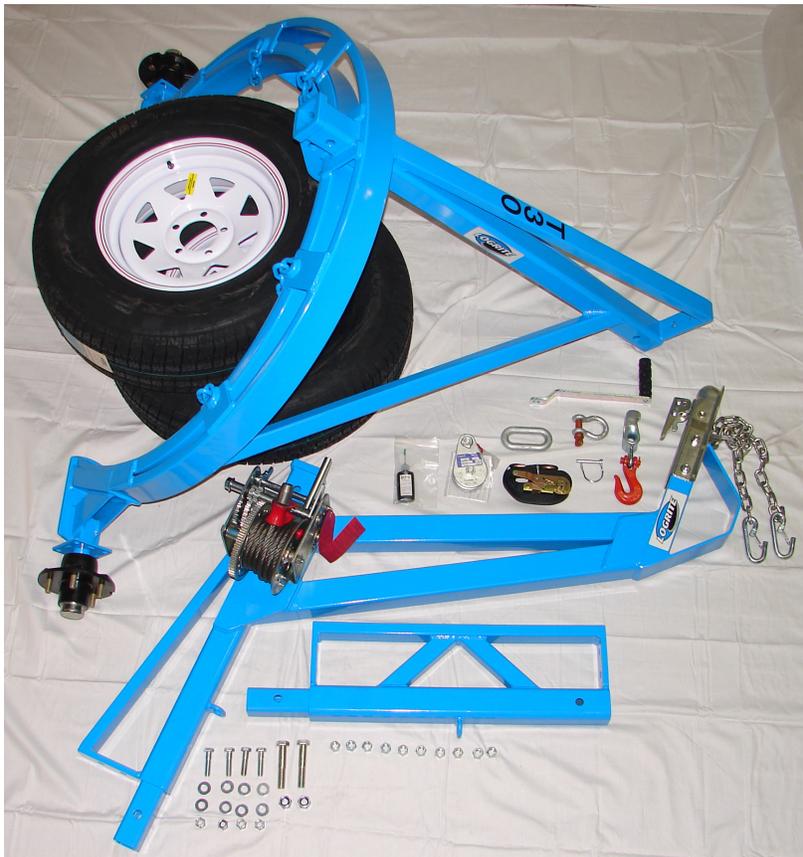


## Tractor Arch T30, T36 Packing List

- |                          |                                     |                          |                              |
|--------------------------|-------------------------------------|--------------------------|------------------------------|
| <input type="checkbox"/> | 1 Tractor Arch frame                | <input type="checkbox"/> | lug nuts T30-10, T36-12      |
| <input type="checkbox"/> | 1 center truss                      | <input type="checkbox"/> | 1 5/16" hitch lock pin       |
| <input type="checkbox"/> | 1 reach w/ winch and cable          | <input type="checkbox"/> | 1 winch handle               |
| <input type="checkbox"/> | 1 safety chain on reach             | <input type="checkbox"/> | 1 ratchet strap              |
| <input type="checkbox"/> | 2 tires                             | <input type="checkbox"/> | 1 snatch block               |
| <input type="checkbox"/> | 2 5/8" - 11 X 3 1/2" hex head bolts | <input type="checkbox"/> | 1 oblong ring                |
| <input type="checkbox"/> | 2 5/8" - 11 locking nuts            | <input type="checkbox"/> | 1 shackle                    |
| <input type="checkbox"/> | 8 1/2" washers                      | <input type="checkbox"/> | 1 doubler                    |
| <input type="checkbox"/> | 4 1/2" - 13 lock nuts               | <input type="checkbox"/> | 1 1 oz Bluecreeper Lubricant |
| <input type="checkbox"/> | 4 1/2" - 13 X 2" bolts              | <input type="checkbox"/> | Owner's Manual               |

Serial # \_\_\_\_\_

Packed by \_\_\_\_\_





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## T30 and T36 Tractor Arch Owner's Manual

You will find this implement handy if you have a tractor and any reason to move logs. The logs will stay clean if you are milling them on your portable sawmill. The ground will remain virtually undisturbed, and you will be able to move logs that your Tractor could only dream about before. The arch is a steel structure with minimal working parts. It is equipped to be pulled from a drawbar hitch with a 2" ball coupler. The logs are lifted into the arch with a hand winch.

### Assembly

When unpacking arch parts from the pallet, please have two people working, as parts may be cumbersome.

- Remove all parts from pallet.
- Place drop tongue section into the center truss.
- Bolt into place tightly, as this is only done once (see photo bottom left).
- Place the center truss into the arch section.
- Bolt into place tightly, as this is only done once (see photo bottom left).
- If packaged separately, mount winch and tighten well, as this is only done once.
- Release the winch lever and pull out enough line to reach back to the arch. (Be careful of spinning handle and slow down the pull every time you release line.)
- Release the thumb screw on the snatch block (pulley) and mount it to the link and use the shackle to connect it below the arch. Install the winch line through this snatch block. (may already be installed) (photo 2)
- Install wheels tighten.
- Lubricate winch gears with grease.
- Oil the input bushing on winch where noted. (photo 3)
- Check all fasteners and familiarize yourself with the working of the winch, the doubling option choker bell and how to hook the choker.

Arch                      center                      drop  
                                 truss                                      tongue



Photo 2



Photo 3



## Warnings

- Read all instructions before using.
- T30, T36 tractor arches are designed to move logs only.
- Do not use arch to move logs on any public road.
- Do not lift the arch.
- Remain constantly aware that safe operating is your responsibility.
- Should the load begin to fall out of control when operating, do not attempt to stop the spinning winch handle with your hands or any part of your body.

## Helpful Hints & Reminders for Using the Winch

- Break in the new choker of whatever winch you are using.
- Take a little extra time to pull out choker slack before winching.
- Never pull all the line out of your winch (always leave at least three wraps of line on the spool.)
- Brace yourself when winching in a log (take out the slack, then grab onto the arch with your free hand).
- Two speeds on the hand winch are available just by pulling out the gear change lever and pulling the crank up or down.
- Always lower your load in control **never let the handle spin freely.**
- Avoid sudden deceleration of load. It is always a good idea to keep your hand on the brake and use low gear when lowering the log.

## Maintenance

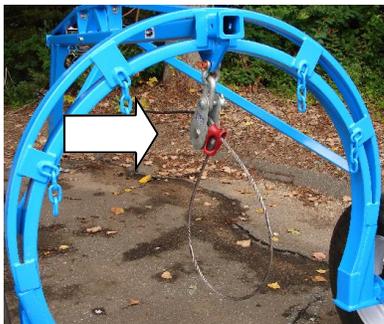
- Check the coupler, winch and snatch blocks daily.
- Oil the handle shaft bushing of hand winch daily.
- Grease the gears on the hand winch weekly.
- Keep tire pressures at recommended pressure.

## Rigging

The arch is designed to pick up the weight of the log instead of the tractor. The amount of the log that is in the arch determines how much of the log weight is picked up. If the log is 16 feet or less the entire log can be fully suspended. On longer logs, there will be slight drag. This tail drag is often a slight advantage, as the log trails straight behind the arch. When a log is fully suspended, the nose of the log will want to be held into the arch at one of the provided ring areas. Use the provided strap to attach.

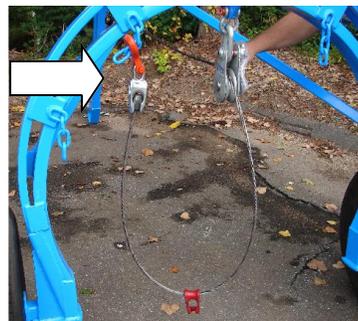
With the standard hand operated winch, there are two ways to hook the choker. On smaller and lighter logs, the choker is hooked to itself and the winch line picks up the log (*photo 1*). On larger and heavier logs, the supplied doubler bell is used to double the power or roll the log (*photo 2*). When using the power doubling option, the block will split to one side and the bell to the other, allowing the log to rise much higher into the arch. The doubler can be attached to 4 chains hanging in the arch.

*Photo 1*



Doubler bell

*Photo 2*



## Uses & Options

While the tractor has great pulling power, it has limited mobility and safety limits in the forest environment. If there is any serious sloping terrain in your operation, please think seriously of keeping to the road and using a winch line to bring logs to the tractor.

The Tractor Arch has provisions for mounting a power winch in the front or rear receiver. In the front receiver, it can be used to pull the Tractor Arch and load out of a problem area, or rigged to string the arch and pick up logs. The rear receiver mount would be used when pulling logs to the arch and tractor.

If you will be using your arch primarily on sloped terrain, you may consider adding electric brakes.

The rear receiver mount can be fitted with a light bar to be used when moving the arch to the job site.



# Posi-Lock Hand Winch Instructions

## Hand Winches, Single Speed

Models: 5402, 5412, 5421, 5422, 5425, 5430, 5403, 5413, 5413T, 5426, 5404, 5414, 5405, 5415, 5427, 5428, 5494, 5495, 5407, 5407B, 5417, 5429, 5408B, 5409, 5409B

## Hand Winches, Dual Speed

Models: 5460, 5461, 5462, 5463, 5466, 5467, 5470, 5471, 5472, 5473, 5474, 5476, 5477, 5480, 5481, 5484



**CAUTION: THIS WINCH IS NOT DESIGNED TO BE USED FOR HOISTING OR TRANSFER OF PEOPLE OR HOISTING LOADS OVER PEOPLE OCCUPIED AREAS!**

### NEVER:

- Leave a weight hanging on the winch while winch is unattended.
- Exceed maximum rated line pull as stamped on the winch housing. Rated line pull is with three (3) wraps of line on the reel.
- Alter the mechanics of the winch.
- Use two or more winch units to lift a load greater than the load rating of any single unit.
- Fully extend the cable. **Always** keep three (3) complete wraps of cable on drum.
- Use to secure trailer or boat in tow, always use proper tie-downs.

### ALWAYS:

- Maintain winch as described in this instruction sheet.
- Be sure cable is pulling straight off winch, not at an angle.
- Inspect winch, cable and attachment before each use for damage.
- Use cable of correct rated strength.

**WARNING! READ BEFORE OPERATING WINCH.** THIS EQUIPMENT SHOULD NOT BE INSTALLED, OPERATED OR MAINTAINED BY ANY INDIVIDUAL WHO HAS NOT READ THE CONTENTS OF THIS DOCUMENT. **FAILURE TO READ AND APPLY THESE INSTRUCTIONS CAN RESULT IN SUDDEN FAILURE OF THE EQUIPMENT, PROPERTY DAMAGE OR SERIOUS INJURY.**

### WINCH MOUNTING AND CABLE OR ROPE ATTACHMENT

For maximum safety these winches must be mounted with two (2) 3/8" or M10 bolts (models 5402, 5403, 5404), or with three (3) 3/8" or M10 bolts (models 5405, 5407, 5408, 5409), washers and lock washers (see FIG. 1 and FIG. 2 at right). Attach cable or rope as shown in FIG. 3.

### OPERATING INSTRUCTIONS

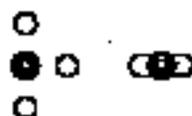
Wind cable on winch reel by turning winch handle in clockwise direction. This should produce a loud clicking noise. **CAUTION! DO NOT RELEASE HANDLE UNLESS RATCHET PAWL IS PROPERLY ENGAGED. DO NOT DISENGAGE RATCHET PAWL UNLESS TENSION IS APPLIED TO HANDLE. FAILURE TO OBSERVE THESE CAUTIONS WILL CAUSE THE HANDLE TO SPIN OUT OF CONTROL AND COULD CAUSE PERSONAL INJURY.**

### WINCH MAINTENANCE

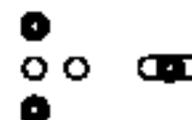
Before operating, check for cracks, breaks, distortions, deformed parts, improper adjustments, loose parts or any other unsafe conditions within all components. Winch gears, ratchet mechanisms and rotating shafts must be clean and lubricated to insure safe and proper operation.

**FIG. 1**

For models 5402-5409B up to 1400lbs



For models 5402-5409B over 1400 lbs.



**FIG. 2**

For models 5460-5464 up to 1400 lbs

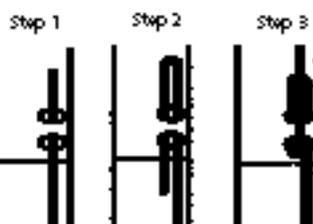


For models 5460-5464 over 1400lbs



**FIG. 3**

Large Rope      Small Rope or Cable



(Rope or Cable)

Shelby Industries, Inc.

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## **Warranty Statement for Log Arches**

LogRite Tools believes that log arches of our manufacture are of quality construction and superior design. We urge our customer to closely inspect their purchases immediately upon receipt. If anything is not satisfactory, it will be immediately repaired or replaced at our cost and decision.

If during the course of use, any of our products fail structurally or fails to perform the tasks it is designed for and represented as, LogRite Tools will do everything to make the product perform as intended.

If during the course of use, the product is not performing as represented, LogRite Tools invites the owner to call our toll free line for a discussion of uses and techniques, including how to use the products in order to achieve satisfactory results.

This warranty is intended for the original owner and for the period of 2 years. With correct use and maintenance LogRite products will provide a lifetime of use.

This warranty does not imply any liability to the uses of the products, which are at the discretion of the owner.

If there are any questions as to the extent or applicability of this warranty, please call immediately to resolve these questions.

# ATTENTION



Bluecreeper is an extraordinary penetrating lubricant. We have included a bottle with your arch manual for you to use to maintain your winch or wheel bearings on the Junior Arch.

We encourage you to use it in your garage or shop or around the house. Use it to loosen stuck parts or tools in the garage or workshop. Works great around the house to stop squeaks, lubricate hinges, doorknobs and locks.

With its needle applicator a small drop goes exactly where needed eliminating waste and mess.

Available at [www.bluecreeper.com](http://www.bluecreeper.com) or follow the link from the Logrite website.

*Shipping is expensive so if you like it, please ask your local retailers to carry it.*