



Advance Trail Wheel Installation and Use Instructions

1. Read ALL instructions before proceeding to installation and use phase.
2. To remove the Litter Saddle from the Fork Assembly: Place the Advance Trail Wheel (ATW) on its side on the ground. Firmly grasp the red clamp handle and squeeze the release trigger with your index finger. This will release the locking mechanism. Rotate the clamp handle down and then depress the red thumb tab with your thumb to release the clamp bail. The Fork Assembly may now be removed from the Litter Saddle.
3. To install Litter Saddle on litter: Place the litter upside down on the ground in as level a position as possible. Place the litter saddle on the bottom of the litter and position where you believe the best balance point will be. Generally this is just forward of the center of the litter.
4. Release the strap ratchet mechanisms by opening them all the way up: This can be accomplished by grasping the spring loaded thumb lever inside the ratchet mechanism and folding the handle flat against the Litter Saddle.
5. Pull both ends of the strap until all of the webbing has spooled off of the ratchet mechanism and you are left with just the pull-tab (through the mechanism) and the two strap ends with hooks. Thread the hooks between the litter shell and the top rail, then attach the hooks to the 1/4" rod on the saddle.
6. To tension the Litter Saddle: Pull the RED Tensioning Strap Pull Tab to the side of the litter. Make sure you remove all slack webbing from between the ratchet mechanism and the litter. While maintaining a small amount of tension on the Red Pull Tab, release the ratchet mechanism and begin ratcheting to tension the straps to the litter.



**DO NOT OVER-TENSION!
The ratchet mechanism
can exert over 3,500lbs of
force!**

7. Once the saddle has been installed on the litter, turn the litter over so that it is right-side up. The patient can then be loaded. Once the patient is loaded, two or more persons can lift the patient off the ground while a third attaches the wheel. The Litter Wheel is most easily attached to the saddle by standing on the Locking Mechanism side of the litter saddle and “hooking” the Litter Wheel to the Saddle. Once hooked, the wheel is simply rotated up toward the litter and locked into place.

8. In situations where there are only two rescuers present, once the patient is loaded, one rescuer may lift the head of the litter high enough for the second rescuer to attach the Litter Wheel. Once attached, the litter may be lowered onto the wheel and the second rescuer may take their position at the foot of the litter.

9. Attachment of the Brake Actuator Lever (BAL) may now take place. Thread the BAL directly up from the brake drum and between the railing of the litter. Now, simply locate the BAL in the desired position on the litter railing, (generally at the head or foot of the litter) and attach it to the railing via the Quik Release Ball Lock Pin. In situations where space is at a premium, the BAL may be attached to the railing so that the Actuator Lever is on the inside of the litter. The BAL is also designed to fasten snugly to the litter, but still slide and roll about the litter railing. This is to help prevent it snagging objects and accidentally actuating the brake or being destroyed.



TIPS.

* Make sure you remove excess slack from the Tensioning Strap by pulling in a direction that is parallel to the bottom of the litter. The ratchet mechanism may tension unevenly if slack is removed by pulling upward or in a vertical direction from the litter bottom. Always remove slack by pulling the Red Tensioning Pull Strap to the side or parallel to the litter bottom.

* Each BAL will come with one Clamp to fit your specific litter. Additional Clamps may be purchased from your Dealer or Cascade Toboggan. Clamp sizes are: 5/8", 3/4", and 1" which correspond to the prevailing sizes of top railings available on most litters today. Replacement of the BAL Clamp may be accomplished by removing the circular retaining clip from the hinge pin, removing the pin and then replacing the Clamp with the desired size. Once done, replace the hinge pin and reinsert the retaining clip.

* **Over-tensioning can destroy ANY LITTER, even steel frame litters.**