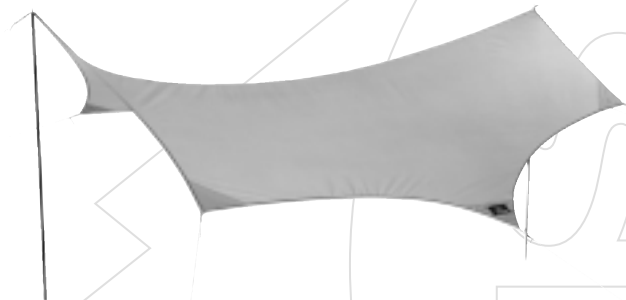


MSR TENTS. MIGHTY. SMART.

MSR WING
Owner's Manual



Mountain Safety Research

MSR WING ASSEMBLY INSTRUCTIONS

These are general tips for setting up your MSR Wing. For instructions for your specific model, refer to the tyvek tag sewn into the stuff sack.

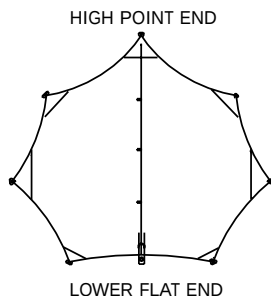
About MSR Wings

Congratulations on purchasing your MSR Wing, proven to be the strongest, most stable tarps in the world. What makes them so different are the parabolic curves and catenary cuts used in the design and manufacturing. This allows you to tension the entire fabric structure, making the Wing stronger and more stable the more tension and force is applied. With proper set-up and care, your Wing will be the strongest and most stable wind and rain shedding tarp around.

Multiple Configurations Using MSR's 7-Point Design

MSR Wings are extremely versatile. The 7-point design allows you to vary the angle, heights and configuration to best suit your environments and needs. Using poles at different corners and/ or different heights allows you to customize it to fit a desired shape or campsite. Adding extra poles to corner of wings also allows you to add more headroom, while sacrificing little stability.

The 7-Point Design has a "flat" and a "pointed" end (See Figure). For all configurations, the "pointed end" should always be used as the highest supported point. The opposite "flat edge", which consists of three points, can be stretched tightly and attached to a shelter, car rack, or even the pole-supported vestibule of a tent (HeptaWing or VistaWing sizes) to form a protected area. Experiment and be creative!



Tension

It is most important to tension the Wing via the guyout lines tightly! Once your Wing is loosely erect, proceed as follows. For maximum headroom, start by tensioning the pole-to-pole guyout lines, followed by the lower non-pole guyout lines. If you prefer a lower Wing profile, tension the lower guyout lines first and high point guyout lines last. Poles should be angled 15-20 degrees away from the



Wing for maximum effectiveness. A Wing that is not tensioned properly will flap in the wind, pocket water, show visible wrinkles and be more susceptible to blowing down.

Staking

Because of the varied ground and tension needed to keep your wing tight, stakes need to be firmly planted. MSR supplies general-purpose stakes that work well in hard ground. For soft or sandy ground or high winds, you may need to supplement the holding power of the stakes with rocks or use larger stakes. If you have a problem with stakes pulling out of the ground, you need larger stakes.

Paddle & Line Pockets

There are "pockets" at each corner of your Wing. The pockets are for both storing the guyout lines when the Wing is put away and for placing paddles, hiking sticks, etc., that can also be used in place of poles.

USE & CARE

Preventing Mildew

One of the easiest ways to damage your Wing is not drying it as quickly as possible whenever it gets wet. Storing a wet Wing as short as 24 hours in warm weather is likely to start the process of mildew forming on the fabric. Mildew can permanently damage the waterproof coatings by causing it to separate from the fabric, but mild to severe staining is more common. Mildew stains are permanent. They cannot be removed without potential harm to the fabric coatings and are not covered by warranty. Even when your Wing appears to be dry after use, it is always best to unfold and assure it is completely dry before storing. This can be achieved by hanging it outside or turning it inside out to assure it has dried everywhere. Never machine dry your Wing as the heat can melt the fabric.

Storing

Store your Wing in the stuff sack and place it in a cool, dry area, out of sunlight, and away from heat sources and rodents. Open and air out your Wing at least every 6 months to prevent odors and fabric deterioration.

Cleaning

Cleaning your Wing is not necessary unless it has an offensive odor or becomes heavily soiled. If heavily soiled, the pressure from a regular garden hose will remove most loose dirt. For more severe cleaning, hand wash your Wing with warm water, a sponge and mild, non-detergent soap. Do not use dishwashing liquid, detergent, bleach, pre-soaking solutions, or spot removers. Rinse well. Dry your Wing by pitching or line dry. Never dry clean, machine wash or machine dry your Wing. Any of these methods can remove all the waterproof coatings from the fabric.

Seam Sealing

Superior fabrics and construction make MSR Wings extremely waterproof. If any problems develop, seam seal the specific area only. Seam seal the inner, coated shiny side of the area only. Follow the instructions on the seam sealer tube. Use a syringe for accuracy. Allow the seam sealer to dry, then apply baby or talc powder to prevent the seam sealer from sticking to the rest of the tent.

Sun & Ultraviolet Rays

UV light is one of the most damaging elements. Though wings are often used in the sun, extended and prolonged exposure will cause fabrics to fade, lose strength, and eventually tear. The affects are more rapid at higher elevations. If possible, pitch your Wing out of direct sunlight. UV damage is not covered by warranty.

MSR Materials & Workmanship Warranty

MSR warranties the materials and workmanship in every MSR Wing we make to the original owner. If your MSR Wing has received proper care, but fails due to a defect in manufacturing, the Wing will be repaired or replaced at our discretion. Repairs due to accident, improper care or negligence where MSR is not at fault – including sun degradation, mildew, wear and tear due to hard use – will be performed at a reasonable charge.

Other Wing Accessories

- Wing Pole
- Reflective Cord Kit
- Cord Tensioner Kit

Check out MSR Tents too,
at you local outdoor retailer.



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Seattle, WA 98134
1-800-877-9677

Register this product online at:
www.msrcorp.com

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