

Armbruster Manufacturing Company

Installation INSTRUCTIONS 40' WIDE EUROTENT®

Last update: 25 July 2005 by B. Hellar Armbruster

Reference: (a) The IFAI Procedural Handbook for the Safe Installation and Maintenance of Tentage - Part One

- 1. REQUIRED MANPOWER:** Three to Four experienced installers should be able to install an 40x40/60/80/100 tent in approximately 2-3 hours. The biggest time determining factor is going to be stake driving methods. As 20 foot middles are added, additional personal are recommended to keep your installation times down.
- 2. SITE INSPECTION:** Prior to installation, ensure you have inspected site, and consulted with the local utility company. Be sure that you have inspected all overhead obstructions (ie telephone and electrical lines, trees, etc.) to ensure no part of the tent comes in contact with any obstacles (Page 2 Ref (a)).
- 3. CHECKLISTS:** Go over load list. Ensure all proper equipment and tools are checked prior to arriving at job site. Double and triple check loadlist to ensure nothing is forgotten.
- 4. LAYOUT AT SITE:** The first thing that needs to be done is to mark the site (paint your layout). It's recommended you use the 3-4-5 triangle method to obtain your square or Diagonal Method (page 6 Ref (a)). Once you have a square marked out on the ground, and double checked it back at the beginning point then laydown your stake point marks. Remember, the y-Ratchets will have two stakes at each point. Corners are usually offset at least 1ft to ensure a fuller tensioning on the perimeter. Spacing is 10ft around the entire tent.
- 5. SAFETY BRIEF:** Conduct safety brief prior to unloading the truck. Identify who the foreman will be, point out any hazards, ensure first aid kit is on site, locate nearest phone, and know quickest route to nearest medical facility in case of emergency. Ensure all applicable fire and building codes are met.
- 6. SPREAD TENT:** Ensure drop clothes are first spread out, and weighted down if necessary (ie if its windy). Cover or pad any sharp objects to ensure tent is not torn while spreading. Then spread the pieces on the ground. Open all pieces first before lacing so that if any pieces need to be moved it's easier to do. Make sure grommet sides match up with laces on your hips and middles.
- 7. LACE TENT:** With tent sections on the ground, overlap grommet side on top of lace side. Push first loop up through corresponding grommet. Continue lacing process and cover with rain flaps by securing velcro closure as you move. Tie off last loop with a secure knot. **BE SURE NOT TO MISS A LACE!!!!** This is critical, because if not caught early, the tent may have to be dropped back down and partially disassembled to fix. Use ratchets to clip laceline plates together.
- 8. DRIVE STAKES:** To best use your time it is suggested that while one crew laces together the tent another crew is driving stakes. Numerous methods can be used to drive stakes. Ensure your stake drivers have a cup that will fit the double-headed stakes.

9. **CONNECT RATCHETS/INSERT SIDE POLES:** Once tent is laced together and you have double checked that each laceline is tied off and laceline plates have been fastened with ratchets, connect your remaining ratchet straps to the tent and plates. **IT IS CRITICAL THAT RATCHETS REMAIN AS LOOSE AS POSSIBLE!!!!** If they are too tight, you will have difficulty raising poles. After ratchets are connected then insert side poles around perimeter of tent. It is not critical that they are exactly straight, the key is to get as much weight up as possible to make insertion of center poles easier.
10. **RAISE CENTER POLES:** Review safety hazards once more prior to raising center poles. Start at one end of the tent (preferably, the one end towards the direction of the wind if possible). The first center pole will be the most difficult to raise, then it becomes much easier as you move on. Once identified where you will start insert at least one cheater poles in the center pole holes near the center pole you are starting on (this helps get the weight up, a 10ft pole is recommended). Then commence raising center poles. As you carry the pole inside the tent make sure the person on the pin side (top of the pole) is guiding the pin into the center pole plates the pin does not puncture the tent as men carry it forward. Most large diameter poles are made of unanodized aluminum, so ensure the pole does not rub on the tent and leave black marks. Make sure ratchets are loose, this is usually the number one reason center poles are difficult to raise. :
11. **GUY OUT TENT:** Once all center poles are erected and positioned on their marks then commence guying out the tent by tensioning the ratchets. Set your 4 corners first, make sure base of corner side pole is at 90 degree intersection of baseplate on corner. After corners are set then tighten all lacelines The tension on the lacelines will determine the lean of the center poles. Then tension all intermediate ratchets. Ensure the first ratchet in from the corner is not too tight, otherwise you will have wrinkles in the corner, and the corner will be too flat. Also ensure you do not pull excessively on the ends of the tents otherwise this will stretch the ends out to far.
12. **ATTACH SAFETY EQUIPMENT:** Once ratchets are all tightened and loose ends are secured it is highly recommended plastic zip ties or some other method be used to secure the ratchet handles down. This will help eliminate any outside persons removing a ratchet, or loosening a ratchet, which will impact on the structural integrity of the tent. It is paramount that EuroTents® have all ratchets installed at all times.
13. **POLICE JOB SITE:** Once complete, roll up drop clothes, and police site to make sure no tools or equipment was left on site. Ensure tent diapers are labeled and ready for disassembly.

DISSASSEMBLY

1. Spread ground covers
2. Release ratchets on entire tent
3. Remove Center Poles: Ensure you use cheater poles
4. Remove Side poles
5. Reverse Installation Steps

**FOR ANY QUESTIONS ON THE STEPS LISTED ABOVE PLEASE
CALL 800-637-4326**