Combat Tent

8340-01-452-5919 Combat Tent

The Combat Tent is a two-man, three-season, freestanding double walled tent. The Combat Tent incorporates a vapor permeable tent body with a waterproof floor, and a waterproof fly, which provides a vestibule area for gear storage. The tent has two doors (entrance/exit openings), and using collapsible aluminum poles requires no special tools for erection or striking. Additionally, the rain fly is designed to be freestanding and adaptable for use independent of the tent body utilizing the poles and the stakes provided.

Combat Tent Key Features:

- **The tent body is free standing. (It requires no stakes to hold erect.)**
- **The rain fly is free standing. (The rain fly is required to be freestanding only when used independent of the tent body. The vestibule is not required to be freestanding. I.E. may require stakes or guy lines.)**
- **Can withstand steady 40 mph winds with gusts to 50 mph.**
- **Prevents the escape of light and provides protection against visual and infrared detection.**
- **Operable conditions 0° to 120°F**
- **Ventilation for use in desert/arid environments, minimizes internal build up of condensation**
- **Provides protection from flying and crawling insects**
- **Has sufficient head room for changing clothes**
- **Rain fly covers all openings in the shelter**
- **Rain fly when installed provides 20 sq. ft. of additional covered storage and is adaptable for use independent of the shelter**
- **Rain fly has high wind guy out points for staking down the tent**
- **Spare parts kit available**

Combat Tent Description:

Rain fly -The Combat Tent shall be equipped with one, full coverage rain fly that covers all openings in the shelter.
Tent Body Fabrics - The tent body fabric, Weight, oz/sq yd 1.9 minimum, Flame Resistance, CPAI 84, Mildew resistance
Floor Fabric - Weight, oz/sq yd 3.0 maximum
Rain Fly Fabric - The fabric for the rain fly
Weight, oz/sq yd 4.1 maximum
Opacity – Blackout, 5781 1/ 0.030 ft. lamberts maximum
Reversible Fly Shades Desert Tan 380, Camouflage Green 483
Netting -The material for covering all openings shall be netting "No-see-um" and shall provide protection from crawling and flying insects. The content shall be 100% Nylon,

Components

Frame Poles - The frame poles for all shelters shall be corrosion resistant aluminum 7075 T9, Poles are connected together by means of cold weather shock cording the tent.

Anchoring - The shelter with guying and anchoring systems completely secures the tent in high winds, minimum pull out strength at the guy points on the tent is 100 lbs. 18 Stakes are included for use in various soil conditions to include sand, rocky, packed, and frozen shall not pull out during high wind conditions.

Storage Bags - The Combat Tent is provided with three storage bags. The Transport Bag is large enough to contain the entire tent and components. The Rain fly Bag shall be large enough to carry the rain fly, poles, repair kit, and stakes, and permanently attached to the rain fly. The Repair Kit Bag contains the tent stakes and repair kit. A storage bag to contain disassembled/folded poles is included. The bags are waterproof and provide a weather seal flap, and cinching cord with a locking closure. The bags shall be solid olive drab in color. The transport bag and rain fly bag include two attachment points for use in tying to various pieces of equipment to include backpacks. The concept in utilizing the transport bag and rain fly bag is to allow all of the components to

be carried by one person in the transport bag or to allow two persons to carry all the components between the transport bag and rain fly bag.

Operational Environment - The Combat Tent, with rain fly, designed to be operable in conditions from 0 to 120 degrees F as found in the mountains and desert. The tent provides for ventilation for use in desert/arid environments and designed to minimize internal buildup of condensation. The shelter is able to withstand steady 40 mph winds with gusts to 50 mph. It provides protection from driving rain, sand, dust and blowing snow. When subjected to wind driven rain at a maximum of 20 mph and rain falling at the rate of 2 inches per hour. Comfort being degraded is defined as rain droplets hanging on the inside of the tent and dripping in to form puddles. The Combat Shelter provides protection from flying and crawling insects and provide sufficient head room for donning and doffing clothing. Additionally, the Combat Tent with rain fly prevents the escape of light and provides protection against visual and infrared detection. The capability for independent use of the rain fly will allow for Marines to tailor their environmental protection needs and reduce weight as required.

Combat Tent includes the following:

	NSN	DESCRIPTION	QUANTITY
	8340-01-464-0809	tent body	1
1.	8340-01-464-0773	rain fly (reversible)	1
2.	8340-01-462-6873	tent poles	3
3.	8340-01-464- 0405	combat tent transport bag	1
4.	8340-01-464-0395	tent pole bag	1
5.	8340-01-464- 0370	rain fly bag	1
6.	5690460	combat tent manual	1
7.	8340-01-462- 6490	repair kit /stake bag, with contents:	1

PRODUCT SPECIFICATIONS:

- **Dimensions: 45” minimum at Apex Height**
- **Floor Area: 38 sq. ft. minimum**
- **Weight: 9 lbs. (tent w/fly and poles)**
- **Color: Camouflage Green / Desert Tan**
- **Set-up Time/# of Persons: 5 min. / 2**
- **Strike Time/# of Persons:**
- **Shipping Cube: 0.5 cu ft.**

The Technical Manual for this tent is product number 5690460.

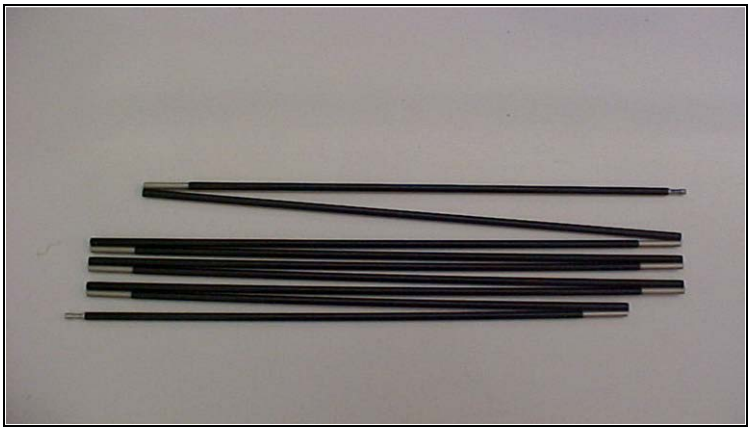
Tent Repair Kit,
NSN: 8340-01-462-6490

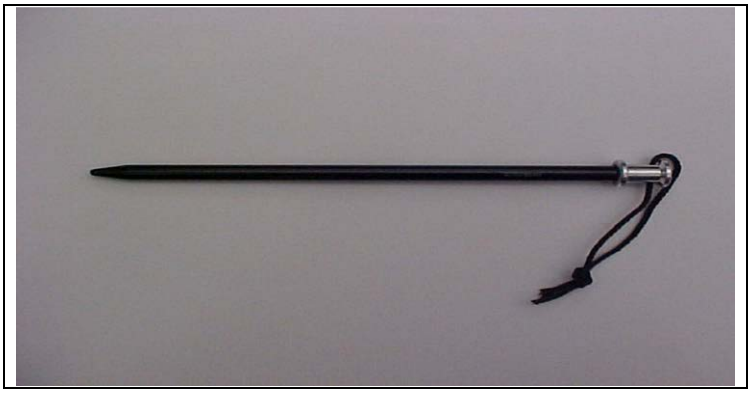
Repair Kit. The Combat Tent is equipped with a repair kit. The repair kit is capable of maintaining one shelter for a period of 30 erection/striking cycles. This kit contains components in order to temporarily repair broken poles, repair up to 4 inches tears in the fabric and replace lost/broken fasteners. The following components are included in the repair kit:

Quantity	Item Description
01	Repair Stake Bag
18	Stakes 8” Aluminum
05	10 ft. Pull Out Cords
02	5 ft Pull Out Cords
03	Rain Fly Pitch Webs
01	Pole Repair Sleeve
03	Shock Locks
01	16’ Length of Shock-Cord
01	12” x 12” One piece Tan Floor Fabric
01	12” x 12” One piece Reversible Rain Fly Green/Tan rain fly Fabric
01	12” x 12” Open piece Tan Roof Cloth Fabric
01	12” x 12” One Piece Net
01	Sewing Needle
01	Thimble
01	Spool of thread (100 yards)

Spare Parts & Options for the Combat Shelter:

	NSN	DESCRIPTION	Photo
	8340-01-464-0809	tent body	

	8340-01-464-0773	**rain fly (reversible)**	
	8340-01-462-6873	**tent poles**	
	8340-01-464- 0405	**combat tent transport bag**	
	8340-01-464-0395	**tent pole bag**	

	8340-01-464- 0370	**rain fly bag**	
	5690460	**combat tent manual**	
	8340-01-462- 6490	**repair kit /stake bag, with contents:**	
	8340-01-462-6547	**(18) stakes**	
	8340-01-464-0829	**(6) 10' pull out cords**	
	8340-01-462-6881	**(2) 5' pull out cords**	
	8340-01-464-0822	**(2) side rain fly pitching webs**	
	8340-01-462-6866	**(1) middle rain fly pitching web**	
	8340-01-462-6818	**(1) pole repair sleeve**	
	8340-01-462-6861	**(3) shok locks**	
	5651805	**16' length of shockcord**	

	8340-01-462-6877	**12" x 12" piece floor fabric**	
	8340-01-464-0270	**12" x 12" piece rain fly fabric**	
	8340-01-464-0186	**12" x 12" piece roof cloth fabric**	
	8340-01-462-6569	**12" x 12" piece net**	
	5285020	**(1) sewing needle**	
	5285025	**(1) thimble**	
	5285030	**(1) spool of thread (100 yards)**	
	8340-01-458-2768	**(1) 1 oz. bottle Seam Grip™**	
	8340-01-464-0099	**(1) 12" of 3/4" black, heavy duty web**	
	8340-01-464-0092	**(1) 12" of 1" black, light weight web**	
	5678210 / 5678215	**(2) side squeeze buckles**	
	8340-01-464-0836	**(2) toggles**	

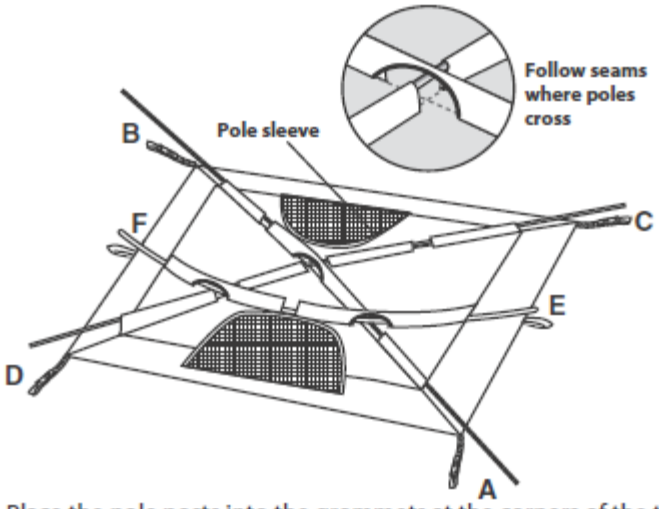
Pitching Instructions:

1. Lay the tent body out on the ground. Assemble the poles. Make sure each rod is fully inserted into the next rod. Do not let the rods snap together.

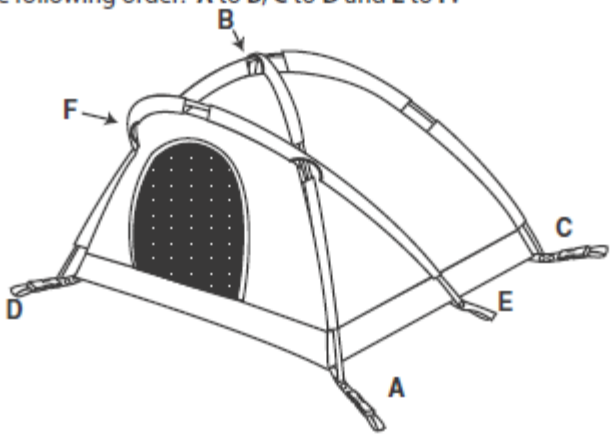
2. Open the doors of the tent. Do not stake the tent down yet. In windy conditions, stake down the corner that faces into the wind.

3. Start at a corner and slide a pole through a sleeve. **Follow the seam** to the next sleeve and slide the pole through. Continue until you reach the other side of the tent. Be careful wherever seams cross.

4. Repeat with second and third poles. One pole should run from **A** to **B**, a second from **C** to **D** and the third from **E** to **F**.

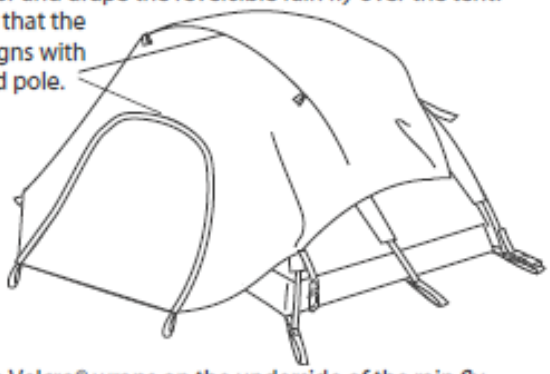


5. Place the pole posts into the grommets at the corners of the tent in the following order: **A** to **B**, **C** to **D** and **E** to **F.**



6. Move the tent into position and stake down the tent body at the corners and at the side stake loops **E** and **F**.

7. Choose the color and drape the reversible rain fly over the tent. Arrange the fly so that the arc of the door aligns with the arc of the third pole.

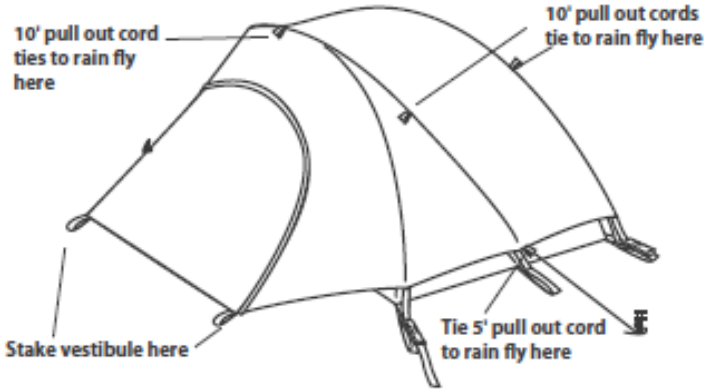


8. There are seven Velcro® wraps on the underside of the rain fly. Wrap these around the tent poles to secure the fly.

9. Fasten the buckles at the corners of the fly to their mates at the corners of the tent.

10. Stake down the vestibules. Attach the 5' pull out cords to the loops at the sides of the fly and stake them down.

11. Adjust the tension on the rain fly at the corner buckles until the fly is taut and secure. Adjust 5' pull out cord if needed.



NOTE: Always stake your tent down - placing objects inside the tent is not adequate. Use the 10' pull out cords for added stability in high winds. Tie the cords to the loops on the rain fly and stake them down 3-4 feet from the tent. The cords should be taut, but they should not warp the poles or distort the shape of the tent.

Striking Instructions

Pull up all stakes. Release four buckles on rain fly. Unfasten Velcro® on rain fly from tent poles. Remove rain fly. Open doors and shake debris out through the doors. Pull pole posts out of all grommets. Slide poles out of sleeves. Fold tent to the length of the poles. Fold differently each time to prevent creases that may damage the tent. Roll tent toward a door to push air out.

Ventilation

One adult produces about a pint of water overnight. If this water vapor cannot escape, it reappears as condensation. If the inside of the tent is wet in the morning but there is no obvious leak, you probably have condensation. Usually, condensation is heaviest on the tent floor, where objects touch the cool earth. You can help prevent condensation by leaving your windows open at night. To vent this tent in wet weather, open the top of the front door under the hood in the rain fly.

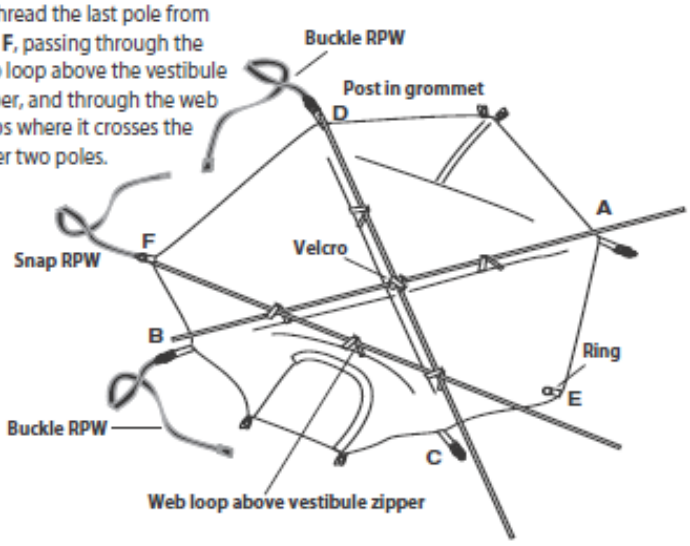
Pitching the Rain fly Only:

1. Assemble all three poles. Unfold the rain fly with the desired color down.
2. There are three black Rain fly Pitching Webs [**RPW**], two with buckle ends and one with snap ends. Attach a buckle **RPW** to its mate at **D** of the rain fly . Repeat with a second buckle **RPW** at **B**. Snap the remaining **RPW** to ring at **F**.

3. Following the seam, thread a pole from **A** to **B**, passing through two web loops. Place the pole's post into the grommet where the **RPW** is attached to the rain fly. Repeat, threading a second pole from **C** to **D**.

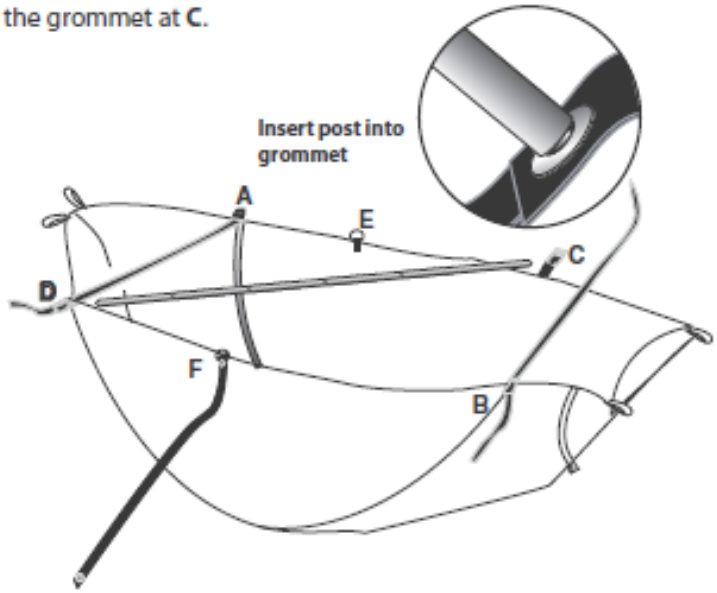
4. Wrap the Velcro® at the peak of the rain fly to capture both poles.

5. Thread the last pole from **E** to **F**, passing through the web loop above the vestibule zipper, and through the web loops where it crosses the other two poles.



6. Attach the other buckle of the **RPW** connected at **B** to the buckle at corner **C**. Push the pole from **A** toward **B** (post already inserted). Place the free post into the grommet at **A**.

7. Attach the second **RPW**, connected at **D** to the buckle at **A.** Push the pole from corner **C** toward **D** and place the pole's post into the grommet at **C**.



8. Snap the loose end of the middle **RPW** to the ring on the rain fly at **E**. Push the third pole toward **F** and place the pole's post into the grommet at **E**.

9. Turn the rain fly over and stake down the corners and the vestibules. Use the center snaps in the **RPW**s to adjust the rain fly's height. Restake the corners and/or the vestibule stake loops if needed.

Striking The Rain fly

Pull up all stakes. Unfasten Velcro® from poles. Pull all pole posts out of all grommets. Disconnect rain fly pitching webs.

Tent Use, Care and Maintenance:

WARNING:
Do NOT operate any device which burns fuel inside this tent. Combustion consumes oxygen, and can produce dangerous levels of carbon monoxide which could lead to serious injury or death.

• When picking a tent site, avoid low spots. Clear your site of sharp objects such as stones or branches. If possible, use a ground cloth under the tent to protect the floor. Make sure the ground cloth doesn't stick out or it will funnel water under the tent.

• Do not cook or keep food in the tent. A hungry animal that smells food will chew or claw through fabric.

• Remove your boots before you enter the tent. Sweep out the tent daily to protect the floor.

• Insect repellent, stove fuel, hair spray, fruit juice, and acid from leaky batteries can damage the fabric. Do not put them in the tent.

• Repair Kit: The seams of the tent body and rain fly are factory seam taped and require no sealing. If there is water intrusion due to damage, apply Seam Grip found in the repair kit. Set the tent up. Make sure the fabric is clean and dry. Follow instructions on Seam Grip. Allow to dry. If quick dry is necessary, follow instructions on the talcum packet from the repair kit.

• Pole repair sleeve. Hold the broken pole together and slide the pole repair sleeve over the break. Pitch tent, holding the pole repair sleeve in place. When the pole bends enough, the repair sleeve will not move. Replace broken rod as soon as possible.

• Small holes. Seal extremely small holes with Seam Grip. For holes up to 1/2" across, put a piece of tape over the hole on the outside of the tent. From inside, apply Seam Grip at least 1/8" thick and 1/4" beyond the damaged area. Keep level. Remove the tape when Seam Grip is dry.

• Large holes. Select the correct fabric and cut a round or oval patch. The patch should be 1" larger than the hole. Sew with needle and thread. Seal sewing repairs on water proof fabric with Seam Grip.

• Torn webs. Cut the threads holding the damaged web. Cut a new piece of web to the same length. Burn the ends of new web to prevent fraying. Restitch and seal stitching with Seam Grip.

• Side squeeze buckles. You can replace the male part without sewing. Thread onto web (use another male part as an example). If the male part fails to hold, it is on the web backward. Remove, turn over, and rethread. To repair female buckle, resew to web.

• Never force a jammed zipper. Instead, carefully remove the trapped material. If a zipper separates, work the slider until the zipper is all the way open. Close the zipper again; the zipper may repair itself. Sand or grit can cause zipper failure. If the tent has been used in sandy soil, flush zippers with clean, fresh water.

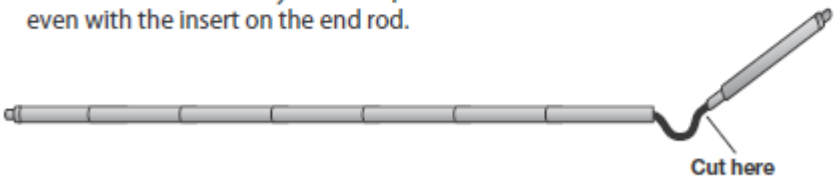
• Spot clean if needed using a soft cloth with Fels-Naptha soap, followed by a fresh water rinse. Never use washing machines, dryers, or detergent. Do not rub or scrub.

• If possible, let the tent and rain fly dry completely before storage. If packed damp, remove and dry completely before storing for longer than two days. This prevents mildew damage to the waterproof coating. Never store the tent on concrete. Keep tents away from mice (they nest in tents). Store the tent away from heat.

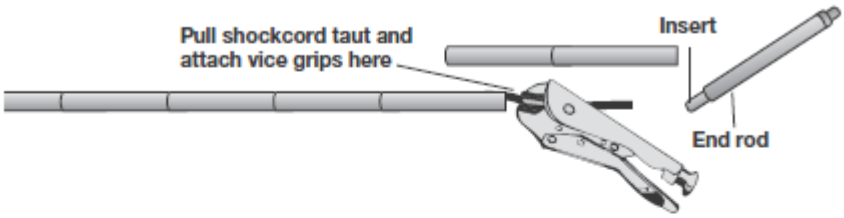
Shok locks: Use when replacing broken pole rods.

1. Assemble the broken pole.

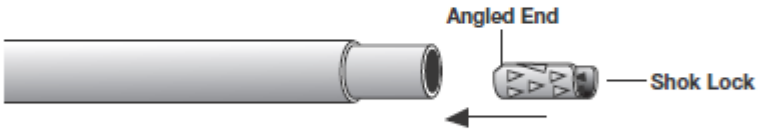
2. Pull one end rod away from the pole. Cut the shockcord so that it is even with the insert on the end rod.



3. Disassemble pole and replace any broken rods. Thread the shockcord back through the rods. Because you need to stretch the shockcord as you do this, use a vice grip pliers to hold the shockcord before you thread it through the last rods.



4. Gently squeeze a shok lock between thumb and forefinger and push its angled end into the insert up to the first barbs. The shok lock must be straight.



5. Hold the end rod upside down against a flat metal surface. The pole tip should point up. Tap the pole tip lightly with a plastic mallet until the bottom of the shok lock is inside the insert.

6. Push the shok lock into the insert another 1/2".

7. Thread 2" of shockcord into the insert on the end rod. The shok lock will hold the shockcord.

8. Release the vice grips and check the tension of the shockcord. If loose, add tension by pushing more shockcord into the end rod. Be careful. Once inserted, shockcord cannot be released.