

BUCKINGHAM MFG.

488 / 490 SERIES OUTER BROWN STRAP REPLACEMENT INSTRUCTIONS

Warning: Do not use this product if you cannot understand and follow the instructions and warnings that come with it and complete all necessary functions.

Please consult with your physician prior to using this product. Do not use this product under the influence of drug or alcohol. Refer to product instructions supplied with the original equipment for instructions regarding proper use of the equipment.

A. TO REMOVE THE INNER STRAP / ROPE WITH CARABINERS FROM THE OUTER BROWN STRAP:

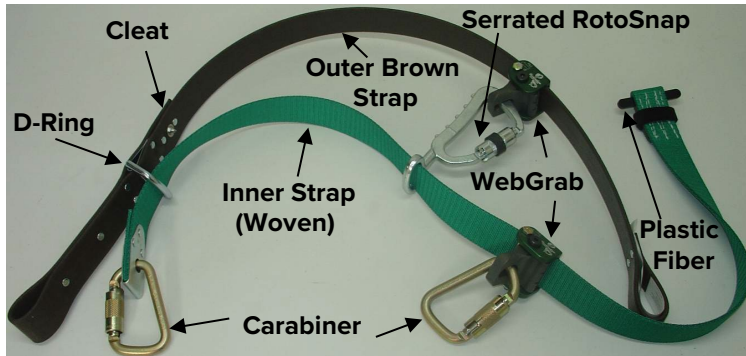
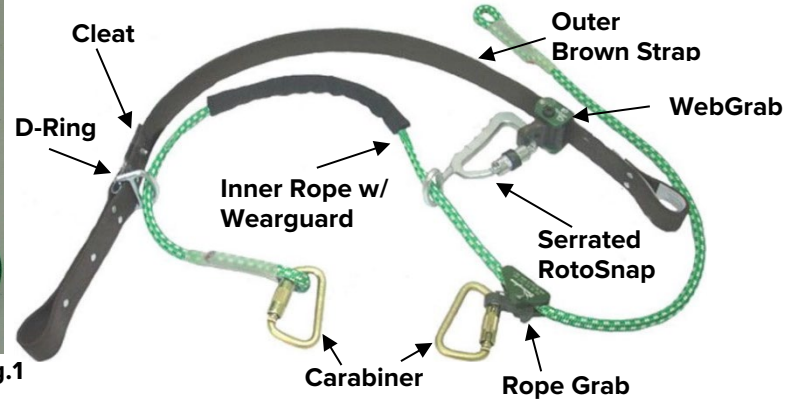


Fig.1



- Figure 1 shows an overall view of a SuperSqueeze with Carabiners, both a PN 488W and PN 488R. (Note: The Plastic Fiber may, or may not, be present on the end of the Inner Strap). (Web version shown in figures below for clarity).
- Remove the Locking Carabiner from the Inner Strap (Fig.2).
- Slide the Inner Strap out from the D-ring (Fig.3).
- Remove the Serrated RotoSnap from the WebGrab on the Outer Brown Strap (Fig. 4).

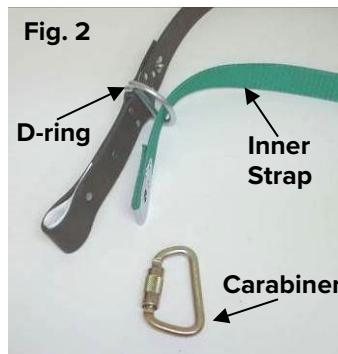


Fig. 2



Fig. 3



Fig. 4

- The Outer Brown Strap should now be completely separated from the Inner Strap.
- The WebGrab on the Outer Brown Strap (Fig.5) will now need to be disassembled.
 - Remove the Guide Bolt (if present) using two 7/16" wrenches, or similar tools (Fig.6). Discard the removed nut & guide bolt.

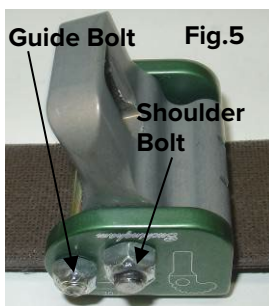


Fig.5



Fig.6



Fig.7

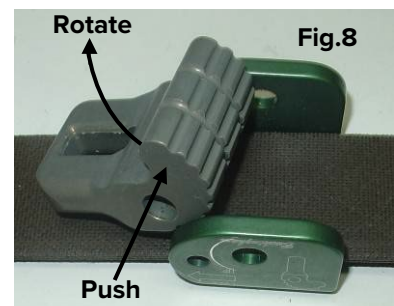
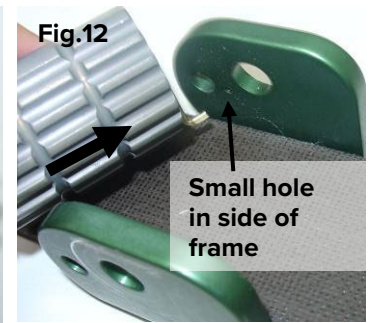


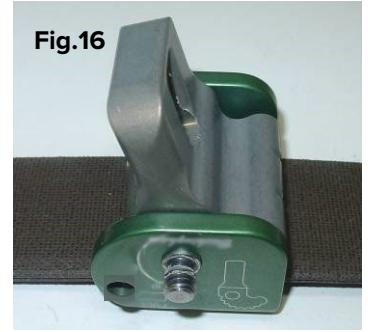
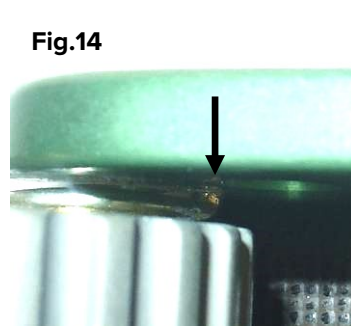
Fig.8

- Next, remove the Shoulder Bolt using a 3/16" Allen wrench and a 1/2" wrench (Fig.7). Note: This bolt has thread-locker on it when it is installed. The Allen wrench may have to be placed into a vise to assist in removing the nut. Discard the removed nut.
- The cam is being held in place by the return spring and the frame. To remove the cam, push on the edge and rotate the cam outward as shown in Figure 8. Be careful not to lose the spring upon removal (Fig.9).
- The WebGrab frame can now be removed from the used Outer Brown Strap (Fig.10).

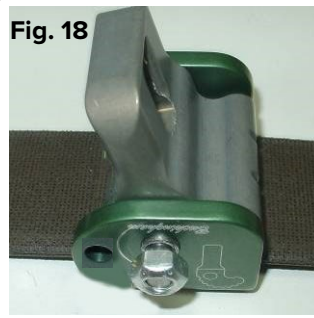
7. Now the New Outer Brown Strap can be replaced and the WebGrab can be re-assembled.
 - a. Place the new Outer Brown Strap onto the WebGrab frame with the Cleat and D-Ring facing upwards and the arrow on the WebGrab frame pointing towards them (Fig.9).
 - b. Place the spring into the cam (Fig.11).
 - c. Align the cam and spring to install the spring tab into the small hole in the frame according to the diagram on the base (Fig.12). The small spring tab should start into the hole. Next, you need to compress the spring slightly by pushing on the side and rotating inward towards the base ears (opposite rotation as in Fig.8).



- d. The cam should now "lay" inside the frame (Fig.13).
- e. **Ensure** that the spring tab is **FULLY** inserted into the small hole in the side of the frame (Fig.14)
- f. Align the hole in the cam with the holes in the frame and insert the shoulder bolt through the frame (from the spring side) and cam (cam lever must be aligned as shown in the sketch on the side of the frame) (Fig.15).



- g. Apply a small amount of Blue Loctite 242™ Removable Blue thread locker to the Shoulder Bolt threads (Fig.17) protruding from the frame.
- h. Install the **NEW** nut onto the threaded shoulder bolt (Fig 18). The Shoulder Bolt nut should be tightened until the nut comes in contact with the shoulder of the bolt. The shoulder bolt should be able to be rotated by hand (Fig. 19). Test that the WebGrab cam rotates **FREELY**, and has sufficient spring tension to bring the cam back into contact with the outer strap. Allow 24 hours for the thread locker to dry.
- i. The WebGrab should now be fully assembled onto the new Outer Brown Strap.



8. The Serrated RotoSnap can now be reattached onto the Outer Brown Strap WebGrab Eye (Fig.4).
9. Re-insert the Inner Strap end through the D-ring and reconnect the Carabiner (Fig. 2 & 3).
10. The completed assembly should now look like Figure 1 above. Ensure there are no twists in the Inner Strap.

B. TO REMOVE THE INNER STRAP / ROPE WITH SNAP HOOKS FROM THE OUTER BROWN STRAP:

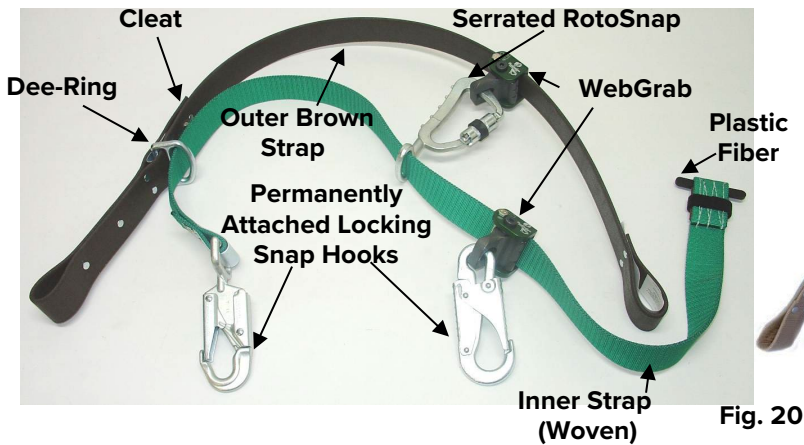
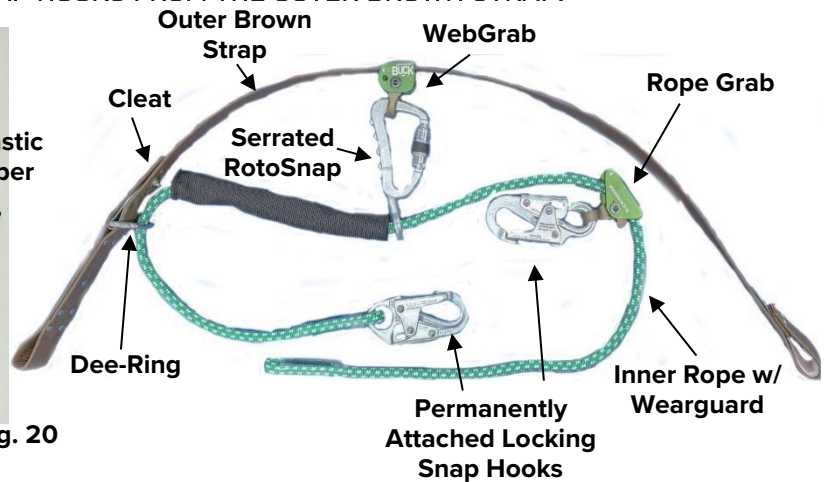


Fig. 20



1. Remove the Serrated RotoSnap from the WebGrab on the Outer Brown Strap (Fig.4).
2. **IF** a Plastic Fiber is included, it will be required to cut the tabs off on each side using cutters (Fig. 21 & 22).
3. When replacing an outer strap for a Super / EZ Squeeze with a rope inner that has Snaphooks, replacement hardware for the Rope Grab (not supplied) will be required to complete the reassembly. Contact Buckingham MFG. with any questions pertaining to the proper hardware required for reassembly.
4. The WebGrab / Rope Grab on the Inner Strap / Rope will now have to be partially disassembled.
 - a. Remove the nut from the Guide Bolt by using two 7/16" wrenches. Then remove the nut from the Shoulder Bolt by using a 3/16" Allen wrench and a 1/2" wrench. The Shoulder Bolt has thread locker on it when it is installed. Therefore, it may be necessary to place the Allen wrench in a vise to assist in removing the nut. Discard both removed nuts. (Fig. 23)
 - b. Remove the two bolts. Note: It is not necessary to remove the cam from the frame to remove the woven material.
 - c. Unwrap the hook & loop strap retainer from the fold over end of the Inner Strap.
 - d. Pull the Inner Strap / Rope through the WebGrab. The cam may be rotated upwards slightly to assist in removing the Inner Strap. (Fig. 24-26)

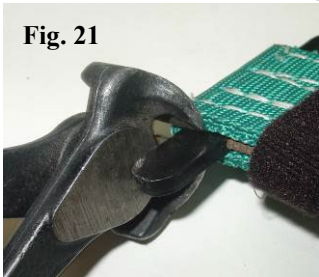


Fig. 21



Fig. 22



Fig. 23



Fig. 24

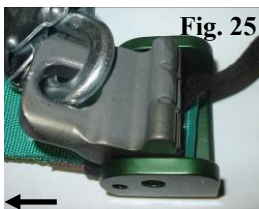


Fig. 25



Fig. 28



Fig. 27

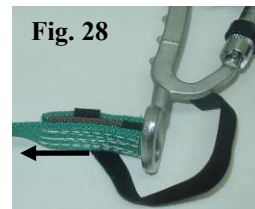


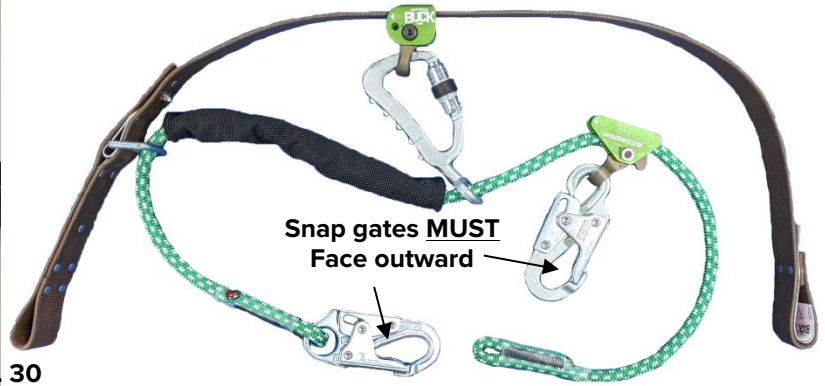
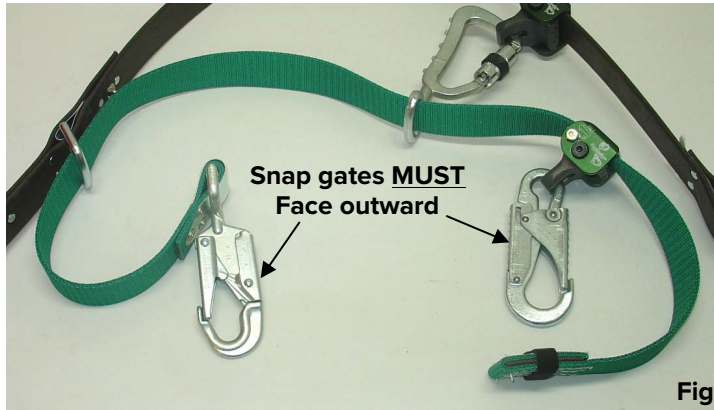
Fig. 28



Fig. 29

- e. Next, pull the Inner Strap / Rope through the Serrated RotoSnap eye (Fig. 27 & 28).
- f. Finally, pull the Inner Strap / Rope through the D-Ring (Fig. 29).
5. The Inner Strap / Rope should now be completely separated from the Outer Brown Strap.
6. Replace the Outer Brown Strap by following the instructions A.6. through A.8. above.
7. Reinstall the Inner Strap by reversing step B.4.f above, and proceed to B.4.d (start at Fig. 29 and work backwards to Fig. 24--Slide Inner Strap-fold over end-through the D-Ring, the Serrated RotoSnap eye, and then the WebGrab).
8. Ensure the Inner Strap / Rope is oriented correctly, without any twists. The snap hook gates **MUST** face outward. Ensure the WebGrab / Rope Grab is oriented correctly with the arrow on the frame facing the permanently attached snap hook end of the Inner Strap / Rope (Fig. 30).
9. The Inner Strap WebGrab can be reassembled by following the instructions above beginning at A.7.e. through A.7.i (Refer to replacement rope grab / Rope Grab hardware Instructions for reassembly of the Rope Grab).

10. Connect the Serrated RotoSnap to the WebGrab on the Outer Brown Strap.
11. The final assembly should be as shown in Figure 30.



Note: It is imperative that a trial test while standing on the ground be performed to ensure the SuperSqueeze is functioning properly prior to climbing.

Patented, for more information, visit BuckinghamMFG.com/Patents.

STATEMENT of OBSOLESCENCE:

Precise “useful life expectancy” or “shelf life” for this product is not specified, as the degree of use, conditions of use, and the degree of care and storage determines useful life. All users maintain responsibility to select proper equipment for the job, be properly trained in its use, and ensure all personnel support equipment passes inspection before each use. Upon evidence of defects, damage or deterioration, all equipment shall be removed from service immediately and tagged or marked as unusable or destroyed. Additionally, all equipment shall be inspected on a regular basis not to exceed one year by a Competent Person, as defined by OSHA/ANSI, to verify that the equipment is safe for use. In the event of any question or concern regarding the condition of such equipment, users shall remove the equipment from service for further inspection. All users must comply with OSHA/ANSI/ASTM and CSA standards prior to and in using such equipment. For more information regarding safe and appropriate use of equipment, please contact Buckingham Manufacturing at 1-800-937-2825.

INTERNATIONAL USERS:

Notwithstanding the above, please know that certain international jurisdictions require manufacturers of equipment to provide customers with a maximum useful lifespan (sometimes referred to as a “Statement of Obsolescence”). To the extent required, Buckingham personal protective equipment manufactured from synthetic fiber materials including but not limited to items such as webbing and/or rope are subject to a maximum useful lifespan of ten (10) years from the date of manufacture. As stated above proper usage, storage, maintenance, and care impacts the useful lifespan of equipment. Extreme circumstances may require that product must be retired after only one use. This statement is made in conformance and compliance with BS EN 365:2004. International users must ensure that product inspections are completed by Competent Persons as defined by international standards including but not limited to British Standard (“BS”). If equipment fails any inspections, it must be immediately withdrawn from service and destroyed. For more information regarding safe and appropriate use of equipment, please contact Buckingham Manufacturing at 1-800-937-2825.

OUR GUARANTEE:

We guarantee the equipment we manufacture to be free from defects in material and workmanship. We will repair any equipment deemed to be defective which is returned to us by the original purchaser. However, this guarantee is void if any product is changed or altered in any way, or if the product is used in a manner other than for which it is intended. This express guarantee supersedes all other expressed or implied guarantees, obligations or liabilities. There are no implied warranties of merchantability or fitness for a particular purpose and as such, all implied warranties are specifically disclaimed.

LIMITATION ON LIABILITY:

In no event will Buckingham or buyer be liable to the other for lost revenues, lost profits or any other indirect, consequential, special or punitive losses or damages, however caused, whether in action for breach of contract, strict liability, tort, or otherwise, even if advised of the possibility of such losses or damages. In no event will Buckingham's liability exceed the total amount paid by the buyer to Buckingham for the product or equipment giving rise to such claim(s).

Please see other terms and conditions relating to this product at <https://buckinghammfg.com/terms-conditions/>

REGISTRATION:

Before use of the product, ensure to register and confirm the product at www.buckinghammfg.com/register.

BUCKINGHAM MFG.
Binghamton, NY
www.buckinghammfg.com
1-800-937-2825

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