

WARNING!

READ CAREFULLY! **INSTRUCTION, CARE & MAINTENANCE GUIDE**

543 Series **Class II & Class III** **Fire Service Harness**

Warning

All employees/users of this device must be properly trained. It is the responsibility of the employer/department to provide training prior to use. Training must be performed by a qualified instructor who is knowledgeable in all aspects of the device including but not limited to proper adjustment, connection, wearing, deployment and inspection. If you need assistance finding a qualified instructor, please contact Gemtor.

You must read and fully understand all supplied instructions and information, or have all instructions and information explained to you, before attempting to use this equipment. Equipment must not be installed, operated or inspected by anyone who does not understand this Owner's Manual. Failure to observe these instructions could result in serious injury or death. Careless or improper use of this equipment can result in serious injury or death. This equipment is intended for use only by those who are thoroughly trained in its use and care.

Training and instruction review should be repeated at regular intervals. If you have any questions regarding these instructions or need additional copies, call Gemtor, Inc. at 1-800-405-9048.



GEMTORTM

... when your life is on the lineTM



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I. IMPORTANT INFORMATION

Additional information regarding life safety harnesses can be found in NFPA 1500 and NFPA 1858 and NFPA 1983, incorporated in the 2022 edition of NFPA 2500.

- Inspect the harness every month and before and after each use.
- Remove the harness from service and destroy it if the harness does not pass inspection or if there is any doubt about the safety or serviceability of the harness.
- **DO NOT** expose the harness to flame or high temperature
- Carry the harness where it will be protected, exposure to flame or high temperature may cause the harness to melt or burn and lead to failure.
- **DO NOT** attempt to use a harness that does not fit properly, replace it with the correct size.
- **DO NOT** attempt to repair or modify the harness. For prompt service, please contact: Gemtor, Inc.
- Keep all instructions/information supplied with the harness after it is separated from the original packaging in your personnel/training files.
- Make a copy of all supplied instructions/information and keep with the harness at all times.
- Refer to all supplied instructions/information before and after each use.
- The Seat harness can be used as a Class II harness independent of the suspenders.
- The Class II seat harness has three (3) load bearing attachment points. These connection points are;
 - Web loop or XL carabiner on handle (A-frame)
 - Sliding D-ring for PSS attachment
 - Waist D-ring (high angle attachment)

I. IMPORTANT INFORMATION (CONT.)

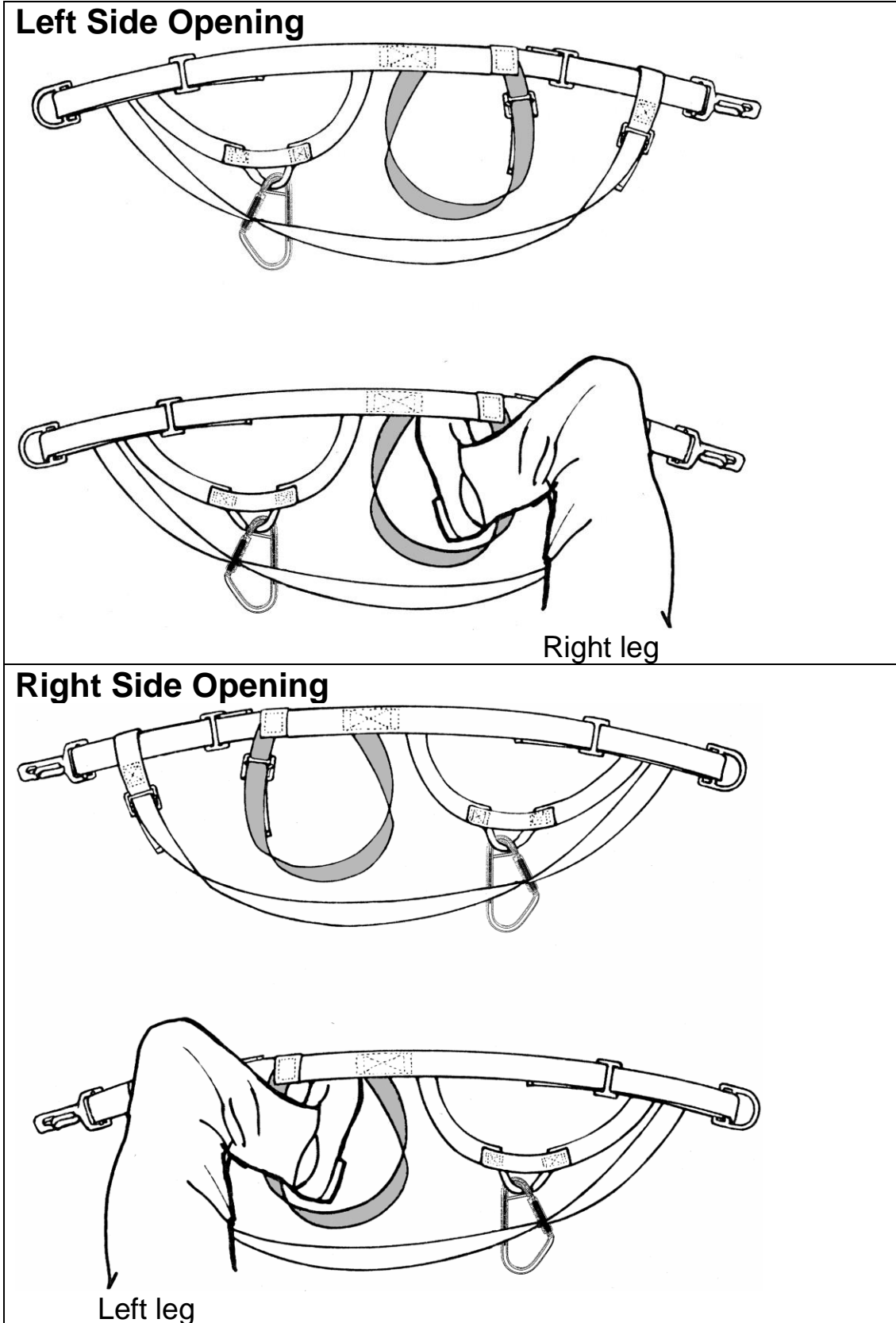
- **IMPORTANT! THE D-RINGS ON THE REAR LEG STRAPS ARE NOT ATTACHMENT POINTS, THEY ARE FOR CONNECTING THE SUSPENDERS (CHEST HARNESS) TO THE CLASS II HARNESS TO CONVERT TO A CLASS III HARNESS. DO NOT USE THESE D-RINGS AS LOAD BEARING ATTACHMENT POINTS**
- Only use the suspenders with the Gemtor Class II convertible harness for which they are designed. The suspenders cannot be used independently or with any other belt or harness unless permission is specifically granted in writing by Gemtor, Inc. The suspenders have two (2) attachment points, these attachment points are;
- Sternum D-ring - holds the user in a more upright position which may provide easier access during a vertical entry or exit
- Dorsal (back between shoulder blades) D-ring – for fall arrest
- When attaching the suspenders to the seat harness, do not rely on sound or feel, connection must be visually confirmed.
- When attaching to the dorsal D-ring, do not rely on sound or feel, connection must be visually confirmed.
- Use the supplied elastic loops to capture loose webbing ends to prevent snagging or entanglement.

II. CAUTIONS

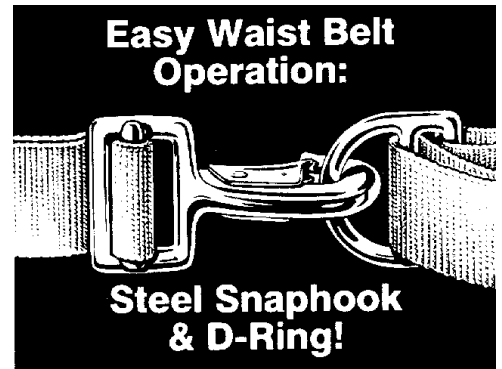
Items subjected to **FALL ARREST** or **IMPACT FORCES** must be immediately removed from service and destroyed. Any item showing **EXCESSIVE WEAR OR DETERIORATION** shall be destroyed. Inspect all equipment before each use. Failure to observe proper inspection and usage procedures could result in **INJURY** or **DEATH**.

ENVIRONMENTAL HAZARDS must be considered in selecting the appropriate equipment. Recommendations where chemicals, high temperature or other unusual conditions exist may be addressed to Gemtor, Inc.

III. DONNING



1. Hold Harness in front of you, as shown above (i.e. D-ring in left hand, snaphook in right hand for left opening harness).
2. Place your leg through small blue strap loop (shaded, above). Make sure large blue loop is behind your leg (i.e. right leg through loop on left opening harness).
3. Pull harness up to waist. Bring snap hook around back and snap into D-ring. Adjust belt to waist size by pulling yellow adjustment straps near snaphook and D-ring through the adjusters.
4. Pull down on the two blue cinch straps in rear to tighten leg straps.
5. Attach the harness to the pant using the straps supplied with your bunker pants (if applicable).



Attaching suspenders (converting to a Class III harness);

1. Hold the adjuster in your right hand and slide your head between straps on front portion of suspenders.
2. Place suspenders over your shoulders with dorsal D-ring between your shoulder blades.
3. Attach snaphooks at webbing ends to D-rings on top of rear leg straps.
4. Attach front snaphook to inside front waist D-ring.
5. Adjust the suspenders buckle for a snug fit.

IV. INSPECTION

Users shall establish their own formal routine inspection according to prevailing conditions with a minimum of one formal inspection each month. Visual inspection is required before each use, for mildew, wear, frayed edges, damage and other deterioration. Defective components shall be removed from service and destroyed.

1. Buckles, D-rings, and snaphooks shall not be distorted, nor have any sharp edges, burrs, cracks, worn parts or corrosion. Make sure buckles work freely. The snaphook gate spring shall provide tension to keep the snaphook gate in a closed position; it shall close flat against the snaphook and exhibit no sideways movement or play.
2. All webbing shall be free of frayed or broken fiber, pulled stitches, tears, abrasions, mold, burns or discoloration.

NOTE: THE PRECEDING INSPECTION PROCEDURES ARE A MINIMAL METHOD OF INSPECTION. THE INSPECTION PROCEDURE MUST REFLECT THE USE APPLICATION.

V. HOW TO CLEAN EQUIPMENT

Proper cleaning and storage of GEMTOR equipment will pay dividends in the form of added safety and longer product life. Take care that your storage area is clean and dry, and not exposed to damaging chemicals, fumes, or sunlight.

NYLON WEBBING

1. Dampen sponge in plain water and wipe off all surface dirt.
2. Squeeze sponge dry.
3. Dip sponge in solution of water and mild detergent.
4. Rub down rope/webbing vigorously, working up a thick lather.
5. Wipe dry with clean cloth.
6. Hang away from heat to dry.

If there any questions as to the correct use or application of any GEMTOR product, DO NOT USE, Call Toll-free 1-800-405-9048

VI. NFPA 1983/2500 Compliance

543NYC (SEAT HARNESS ONLY)

MEETS THE LIFE SAFETY HARNESS REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500, CLASS II. THIS HARNESS IS NOT FLAME-RESISTANT!

THE 543NYC SEAT HARNESS CAN BE USED INDEPENDENTLY AS A CLASS II HARNESS. IT MUST BE USED IN CONJUNCTION WITH COMPONENT PART NUMBER 543CL3 IN ORDER TO FULLY MEET THE CRITERIA OF A CLASS III HARNESS.

543NYC WITH 543CL3 (SEAT HARNESS WITH CHEST HARNESS)

MEETS THE LIFE SAFETY HARNESS REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500, CLASS III. THIS HARNESS IS NOT FLAME-RESISTANT!

THE 543CL3 CANNOT BE USED INDEPENDENTLY. IT MUST BE USED IN CONJUNCTION WITH COMPONENT PART NUMBER 543NYC IN ORDER TO FULLY MEET THE CRITERIA OF A CLASS III HARNESS.



