

WARNING!

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

544FR Series Flame Resistant Class II 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.

- Due to the static nature of Kevlar webbing, a system incorporating this type of harness may require an energy absorbing component to limit the forces transmitted to the wearer and/or the system components including but not limited to the harness, lifeline, descender, anchorage connector and anchorage.
- 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.
- Although the harness is flame resistant, **DO NOT** intentionally expose the harness to flame or high temperature.
- Although the harness is flame resistant, carry the harness where it will be protected, exposure to flame or high temperature may cause the harness to decompose and lead to reduced tensile strength and/or failure.
- **DO NOT** attempt to use a harness that does not fit properly, replace it with the correct size.
- **DO NOT** try to adjust, repair or modify harness; for prompt service, please contact: Gemtor Inc.
- Keep all instructions/information supplied with the harness after it is separated from the original packaging.
- 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.

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.

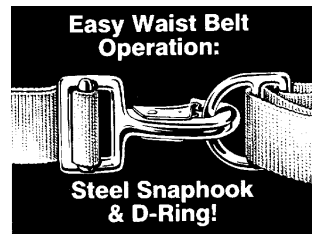
III. ASSEMBLY/DONNING

This Gemtor 544FR Series Harness has been designed to be worn on the outside of, or assembled into bunker pants manufactured specifically to accept this harness. Compatible pants are available from several bunker gear manufacturers. Please contact Gemtor, Inc. for additional information.

1. Put Bunker Thermal liner on without outer shell.
2. Hold Harness in front of you, D-ring in left hand, snaphook in right hand (right side closing harness, opposite for left side closing).
3. Place legs through leg strap loops. Adjust legs straps so that they are slightly snug.
4. Adjust waist band.
5. Put outer shell of pants on over harness.
6. Pull D-ring and snaphook straps ends through slot openings in outer shell.
7. Attach outer shell to liner.
8. Now that the harness and pants are assembled together, each time you don the gear, all you need to do is attach the snaphook to the D-ring as per the illustration.

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.



1. Buckles, D-rings, and snaphooks shall not be distorted, or 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.

KEVLAR 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. **DO NOT** expose to Chlorine Bleach.
5. Rub down webbing vigorously, working up a thick lather.
6. Wipe dry with clean cloth.
7. 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

MEETS THE LIFE SAFETY HARNESS REQUIREMENTS OF NFPA 1983, INCORPORATED IN THE 2022 EDITION OF NFPA 2500, AND THE OPTIONAL FLAME RESISTANCE REQUIREMENTS OF NFPA 1983; CLASS II.



VII. RECORD TO MAINTAIN

The purchaser or user of this harness shall maintain a record of at least the following information.

Assigned to:

Model #		Date of Manufacture	
Serial#		Date of first use	
Inspection Date	Condition & Comments	Action Taken	Inspector's Initials