MODEL NUMBER:

DATE OF MANUFACTURE:

Date	Part Number	Comments	Inspector Name
	1		

Inspection

Inspect the equipment according to your employer's policy for inspecting fall protection equipment. The equipment should be thoroughly inspected after each use by an inspector that meets your organization's training standard for inspection of life safety equipment. Record the date of the inspection and the results in the equipment log or on a tag that attaches to the equipment. Each user should be trained in equipment inspection and should inspect the equipment before each use.

When inspecting the equipment, check the webbing and rope for cuts, worn or frayed areas, broken fibers, soft or hard spots, discoloration, or melted fibers. Check the stitching for pulled threads, abrasion, or breaks. Check the hardware for damage, sharp edges, and improper operation. If any of the above is noted, or if the equipment has been subjected to shock loads, fall loads, or abuse other than normal use, remove the equipment from service and destroy it. If there is any doubt about the serviceability of the equipment, remove the equipment from service and destroy

The service life of equipment used for fall protection depends greatly on the type of use and the environment of use. Because these factors vary greatly, a precise service life of the equipment cannot be provided.

WARNING: Prior to donning the harness, inspect both the fall arrest indicator located in proximity of the dorsal attachment point as well as the Switchpoint™ System release handle located at the right hip. If either the fall arrest indicator or the release handle are damaged or show signs of being deployed, remove the harness from service immediately.

Product Warranty, Limited Remedy and Limitation of Liability

WARRANTY: THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Equipment offered by ClimbTech is warranted against factory defects in workmanship and materials for a period of one year from date of purchase.

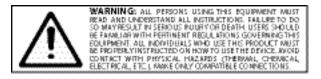
LIMITED REMEDY: Upon notice in writing, ClimbTech will repair or replace all defective items at ClimbTech's sole discretion. ClimbTech reserves the right to require that the defective item be returned to its plant for inspection before determining the appropriate course of action. Warranty does not cover equipment damage resulting from wear, abuse, damage in transit, failure to maintain the product or other damage beyond the control of ClimbTech. ClimbTech shall be the sole judge of product condition and warranty options. This warranty applies only to original purchaser and is the only warranty applicable to this product. Please contact ClimbTech technical service department for assistance.

LIMITATION OF LIABILITY: IN NO EVENT WILL CLIMBTECH BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, IN ANY WAY RELATED TO THE PRODUCTS REGARDLESS OF THE LEGAL THEORY ASSERTED.

FreeTech Harness

Model: HARNESS-XXX-FRT Made in the USA **IN DRAFT ONLY**





ClimbTech, LLC. 7303 Burleson Rd. Suite 901, Austin, TX 78744 1(512) 308-6440 / www.climbtech.com

V2.3

Read This Instruction Manual Carefully Before Using This

\land WARNING \land

FAILURE TO COMPLY WITH INSTRUCTIONS OR IMPROPER USE OF THIS EQUIPMENT MAY RESULT IN SERIOUS INJURY OR DEATH. THIS EQUIPMENT HAS BEEN DESIGNED AND MANUFACTURED FOR USE BY EXPERIENCED PROFESSIONALS ONLY. DO NOT ATTEMPT TO USE THIS EQUIPMENT WITHOUT PROPER TRAINING. MANUFACTURER'S INSTRUCTIONS SHALL BE PROVIDED TO THE USER. THOROUGHLY READ AND UNDERSTAND ALL LABELS AND INSTRUCTIONS BEFORE USE. USE, INSPECT AND REPAIR ONLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DO NOT ALTER OR MISUSE THIS EQUIPMENT. FOLLOW RECOMMENDED PROCEDURES FOR DONNING AND ADJUSTING THE HARNESS. FOLLOW THE EMPLOYER'S SAFE WORKING PROCEDURES AT ALL TIMES WHEN USING THE HARNESS. THE USER SHALL HAVE A RESCUE PLAN AND A MEANS TO IMPLEMENT IT WHEN USING THIS EQUIPMENT. THE USER SHALL KNOW AND FOLLOW ALL APPLICABLE OSHA AND OTHER REGULATIONS PERTAINING TO OCCUPATIONAL SAFETY. ASSURE THAT ANY COMBINATION OF COMPONENTS OR SUBSYSTEMS, OR BOTH, DO NOT INTERFERE WITH THE SAFE FUNCTION OF EACH OTHER.DO NOT EXPOSE THE HARNESS TO CHEMICALS WHICH ARE HARMFUL TO NYLON. IF IN DOUBT, CONTACT THE MANUFACTURER. AVOID CONTACT WITH SHARP EDGES OR ABRASIVE SURFACES. USE EXTREME CAUTION WHEN USING THE HARNESS AROUND MOVING MACHINERY OR ELECTRICAL HAZARDS.

USER INFORMATION

User Information shall be provided to the user of the product. ClimbTech recommends separating the User Information from the equipment and retaining the information in a permanent record. ClimbTech also recommends making a copy of the information to keep with the equipment and that the information should be referred to before and after each use.

USER INSPECTION, MAINTENANCE AND STORAGE OF EQUIPMENT

Users of personal fall arrest systems shall, at a minimum, comply with all manufacturer instructions regarding the inspection, maintenance and storage of the equipment. The user's organization shall retain the manufacturer's instructions and make them readily available to all users. See ANSI/ASSE Z359.2, Minimum Requirements for a Comprehensive Managed Fall Protection Program, regarding user inspection, maintenance and storage of equipment. 1. In addition to the inspection requirements set forth in the manufacturer's instructions, the equipment shall be inspected by the user before each use and, additionally, by a competent person, other than the user, at interval of no more than one year for:

- Absence or illegibility of markings.
- Absence of any elements affecting the equipment form, fit or function. • Evidence of defects in, or damage to, hardware elements including cracks, sharp edges, deformation, corrosion,
- chemical attack, excessive heating, alteration and excessive wear. • Evidence of defects in or damage to strap or ropes including fraying, unsplicing, unlaying, kinking, knotting, roping, broken or pulled stitches, excessive elongation, chemical attack, excessive soiling, abrasion, alteration, needed or excessive lubrication, excessive aging and excessive wear. 2. Inspection criteria for the equipment shall be set by the user's organization. Such criteria for the equipment shall equal or exceed the criteria established by this standard or the manufacturer's instructions, whichever is areater.

3. When inspection reveals defects in, damage to, or inadequate maintenance of equipment, the equipment shall be permanently removed from service or undergo adequate corrective maintenance, by the original equipment manufacturer or their designate, before return to service.

CARRYING, MAINTENANCE & STORAGE

During use, carrying and storage keep the equipment away from acids, alkalis, exhaust emissions, rust and strong chemicals. Do not expose the equipment to flame or high temperatures. Carry the equipment where it will be protected as the equipment could melt or burn and fail if exposed to flame or high temperatures. If the equipment becomes soiled, it can be washed in cold water with a mild detergent that is safe for use with nylon and polyester. Dry out of direct sunlight. Do not dry in an automatic dryer. Store in a cool, dry location. Do not store where the equipment may be exposed to moist air, particularly where dissimilar metals are stored together.

REPAIR

All repair work shall be performed by the manufacturer. All other work or modifications will void the warranty and releases ClimbTech from all liability and responsibility as the manufacturer.

SAMPLE INSPECTION AND MAINTENANCE LOG

The sample log suggests records that should be maintained by the purchaser or user of rescue equipment.

MAINTENANCE AND STORAGE

1. Maintenance and storage of equipment shall be conducted by the user's organization in accordance with the manufacturer's instructions. Unique issues, which may arise due to conditions of use, shall be addressed with the manufacturer.

2. Equipment which is in need of, or scheduled for, maintenance shall be tagged as unusable and removed from service.

3. Equipment shall be stored in a manner as to preclude damage from environmental factors such as temperature, light, UV excessive moisture, oil, chemicals and their vapors or other degrading elements.

PUTTING ON YOUR HARNESS

- Loosen all of the adjusting straps on the harness. 1
- Open all of the quick connect buckles.
- 3. Don the harness as you would a vest.
- Reconnect the chest, waist and leg loop buckles. 4.
- 5 Adjust all of the straps to ensure a snug fit.

Secure all loose webbing tails in the provided Web Keepers[™], rom service in accordance 6. with the requirements of OSHA 29 CFR 1910.66 and 1926.502

WARNING: Make sure the straps are snug. This decreases the risk of additional injury in the event of a fall and will prevent the quick-connect buckles from disconnecting.

USING YOUR HARNESS

The FreeTech Harness is intended to be used for work at height fall protection according to the ANSI/ASSE Z359 Fall Protection Code.

To prevent roll out when using ANSI Z359.12 compliant carabiners or snaphooks to attach to an attachment point, use only locking models. It is the user's responsibility to verify equipment compatibility with components and sub-systems before use.

Consult with the current edition of ANSI/ASSE Z359. 11 and applicable State or Provincial regulations governing occupational safety. The user should consider all component extensions and allow clearance for an arrest to take place a safe distance away from the ground or structure. A harness stretch factor of up to 18in (46cm) should be factored in while calculating fall clearance.

LANYARD PARKING ELEMENT

If using a fall arrest lanyard or Y-lanyard, connect the lanyard snaphook to the lanyard parking element located on the upper chest when not in use (unless otherwise connected to an anchorage point). The lanyard parking element of the harness is intended to disengage in the event that the lanyard is hung up or tangled during a fall or during normal use to prevent creating a hazard.

DEPLOYING THE SWITCHPOINT SYSTEM

In the event of a fall, the unique function of the FreeTech Harness's patented Switchpoint System allows a user to transfer their weight from the dorsal D-ring to the secondary tether connection at the front waist. The resulting seated position in the harness provides more freedom of movement for the user post-fall. To deploy:

- Open velcro pouch and grab red tab
- 2. Firmly grasp the red webbing of the release handle and pull out and away from your body. The dorsal release strap will feed out of the release buckle at the right hip and your weight will transfer to the secondary tether connected to the waist strap. This transfer occurs auickly.
- If the release buckle reengages the dorsal release strap before it completely feeds out of 3. the buckle, simply pull on the release handle again until the transfer is complete. WARNING: If the waist buckle was not connected when donning the harness, transferring to the secondary tether will result in suspension from the right hip, which may cause significant discomfort.

ANSI/ASSE Z359 REQUIREMENTS FOR PROPER USE AND MAINTENANCE OF FULL BODY HARNESSES

1. It is essential that the users of this type of equipment receive proper training and instruction, including detailed procedures for the safe use of such equipment in their work application. ANSI/ASSE Z359.2, Minimum Requirements for a Comprehensive Managed Fall Protection Program, establishes guidelines and requirements for an employer's managed fall protection program, including policies, duties and training; fall protection procedures; eliminating and controlling fall hazards; rescue procedures; incident investigations and evaluating program effectiveness.

2. Correct fit of a Full Body Harness is essential to proper performance. Users must be trained to select the size and maintain the fit of their Full Body Harness.

3. Users must follow manufacturer's instructions for proper fit and sizing, paying particular attention to ensure that buckles are connected and aligned correctly, leg straps and shoulder straps are kept snug at all times, chest straps are located in the middle chest area and leg straps are positioned and snug to avoid contact with the genitalia should a fall occur. 4. Full Body Harnesses which meet ANSI/ASSE Z359.11 are intended to be used with other components of a Personal Fall Arrest system that limit maximum arrest forces to 1800 pounds (8 kN) or less.

5. Suspension intolerance, also called suspension trauma or orthostatic intolerance, is a serious condition that can be controlled with good harness design, prompt rescue and post fall suspension relief devices.

A conscious user may deploy a suspension relief device allowing the user to remove tension from around the legs, freeing blood flow, which can delay the onset of suspension intolerance. An attachment element extender is not intended to be attached directly to an anchorage or anchorage connector for fall arrest. An energy absorber must be used to limit maximum arrest forces to 1800 pounds (8 kN). The length of the attachment element extender may affect free fall distances and free fall clearance calculations.

6. Full Body Harness (FBH) Stretch, the amount the FBH component of a personal fall arrest system will stretch and deform during a fall, can contribute to the overall elongation of the system in stopping a fall. It is important to include the increase in fall distance created by FBH Stretch, as well as the FBH connector length, the settling of the user's body in the FBH and all other contributing factors when calculating total clearance required for a particular fall arrest system.

7. When not in use, unused lanyard legs that are still attached to a Full Body Harness D-ring should not be attached to a work positioning element or any other structural element on the Full Body Harness unless deemed acceptable by the competent person and manufacturer of the lanyard. This is especially important when using some types of "Y" style lanyards, as some load may be transmitted to the user through the unused lanyard leg if it is not able to release from the harness. The lanyard parking attachment is generally located in the sternal area to help reduce tripping and entanglement hazards. 8. Loose ends of straps can get caught in machinery or cause accidental disengagement of an adjuster. All Full Body Harnesses shall include keepers or other components which serve to control the loose ends of straps. 9. Due to the nature of soft loop connections, it is recommended that soft loop attachments only be used to connect with other soft loops or carabiners. Snaphooks should not be used unless approved for the application by the manufacturer.

PERFORMANCE:

Maximum Capacity: One worker with max weight of 310-lbs

Weight: 11.5lbs with seat

REGULATORY COMPLIANCE: ANSI / ASSE Z359.11-2014

1. Dorsal Position 2. Seated Position From the dorsal position When the SwitchPoint™ in a post-fall scenario, System is deployed, simply deploy the the FreeTech™ Harness SwitSwitchPoint™ automatically reorients the System. user into a seated position. MODEL SIZE COLOR RATING HARNESS-SML-FRT Small (5'0" to 6'0") Custom ANSI Z359.11 HARNESS-MED-FRT ANSI Z359.11 Medium (5'4" to 6'4") Custom HARNESS-LRG-FRT ANSI Z359.11 Large (5'8" to 6'8") Custom

HARNESS

body position.

separate.

to support the full weight of the user. of the lanyard.

SECTIONS 10-16 PROVIDE ADDITIONAL INFORMATION CONCERNING THE LOCATION AND USE OF VARIOUS ATTACHMENTS THAT MAY BE PROVIDED ON THIS FALL PROTECTION

10. Dorsal – The dorsal attachment element shall be used as the primary fall arrest attachment, unless the application allows the use of an alternate attachment. The dorsal attachment may also be used for travel restraint or rescue. When supported by the dorsal attachment during a fall, the design of the Full Body Harness shall direct load through the shoulder straps supporting the user, and around the thighs. Supporting the user, post fall, by the dorsal attachment will result in an upright body position with a slight lean to the front with some slight pressure to the lower chest. Considerations should be made when choosing a sliding versus fixed dorsal attachment element. Sliding dorsal attachments are generally easier to adjust to different user sizes, and allow a more vertical rest position post fall, but can increase FBH Stretch.

11. Sternal – The sternal attachment may be used as an alternative fall arrest attachment in applications where the dorsal attachment is determined to be inappropriate by a competent person, and where there is no chance to fall in a direction other than feet first. Accepted practical uses for a sternal attachment include, but are not limited to, ladder climbing with a guided type fall arrester, ladder climbing with an overhead self-retracting lifeline for fall arrest, work positioning and rope access. The sternal attachment may also be used for travel restraint or rescue. When supported by the sternal attachment during a fall, the design of the Full Body Harness shall direct load through the shoulder straps supporting the user, and around the thighs. Supporting the user, post fall, by the sternal attachment will result in roughly a sitting or cradled body position with weight concentrated on the thighs, buttocks and lower back. Supporting the user during work positioning by this sternal attachment will result in an approximate upright

If the sternal attachment is used for fall arrest, the competent person evaluating the application should take measures to ensure that a fall can only occur feet first. This may include limiting the allowable free fall distance. It may be possible for a sternal attachment incorporated into an adjustable style chest strap to cause the chest strap to slide up and possibly choke the user during a fall, extraction, suspension, etc. The competent person should consider Full Body Harness models with a fixed sternal attachment for these applications.

12. Frontal – The frontal attachment serves as a ladder climbing connection for guided type fall arresters where there is no chance to fall in a direction other than feet first, or may be used for work positioning. Supporting the user, post fall or during work positioning, by the frontal attachment will result in a sitting body position, with the upper torso upright, with weight concentrated on the thighs and buttocks. When supported by the frontal attachment the design of the Full Body Harness shall direct load directly around the thighs and under the buttocks by means of the sub-pelvic strap. If the frontal attachment is used for fall arrest, the competent person evaluating the application should take measures to ensure that a fall can only occur feet first. This may include limiting the allowable free fall distance.

13. Shoulder – The shoulder attachment elements shall be used as a pair, and are an acceptable attachment for rescue and entry/retrieval. The shoulder attachment elements shall not be used for fall arrest. It is recommended that the shoulder attachment elements be used in conjunction with a yoke which incorporates a spreader element to keep the Full Body Harness shoulder straps

14. Waist, Rear – The waist, rear attachment shall be used solely for travel restraint. The waist, rear attachment element shall not be used for fall arrest. Under no circumstances is it acceptable to use the waist, rear attachment for purposes other than travel restraint. The waist, rear attachment shall only be subjected to minimal loading through the waist of the user, and shall never be used

15. Hip – The hip attachment elements shall be used as a pair, and shall be used solely for work positioning. The hip attachment elements shall not be used for fall arrest. Hip attachments are often used for work positioning by arborists, utility workers climbing poles and construction workers tying rebar and climbing on form walls. Users are cautioned against using the hip attachment elements (or any other rigid point on the Full Body Harness) to store the unused end of a fall arrest lanyard, as this may cause a tripping hazard, or, in the case multiple leg lanyards, could cause adverse loading to the Full Body Harness and the wearer through the unused portion

16. Suspension seat – The suspension seat attachment elements shall be used as a pair, and shall be used solely for work positioning. The suspension seat attachment elements shall not be used for fall arrest. Suspension seat attachments are often used for prolonged work activities where the user is suspended, allowing the user to sit on the suspension seat formed between the two attachment elements. An example of this use would be window washers on large buildings 16. Suspension seat – The suspension seat attachment elements shall be used as a pair, and shall be used solely for work positioning. The suspension seat attachment elements shall not be used for fall arrest. Suspension seat attachments are often used for prolonged work activities where the user is suspended, allowing the user to sit on the suspension seat formed between the two attachment elements. An example of this use would be window washers on large buildings.