

Lanyard parking attachment point. Fall Arrest Indicator.

Inferchangeable, removable chest harness Shoulder attachment points ideal for confined space applications. Ergonomic padding

8 attachment points when used with the Diamond chest harness Dorsal, sternal, waist, hip, shoulder, and lumbar attachments Fully adjustable rear leg risers and chest harness Available in two sizes to fit 30"- 61" waists

rey reatures: enoifined space applications. The Avatar Deluxe includes all of the attachment points needed to suit a wide variety of uses. This harness is ideal for use in rope access, rescue, fall arrest

### **FEATURES AND SPECIFICATIONS**

**Date of Manufacture** 

For more information about this or other PMI products, please contact us at:

PO Box 803 LaFayette, GA 30728, USA

PIGEON MOUNTAIN INDUSTRIES

Item

custserv@pmirope.com PMIROPE.COM 706-764-1437 1-800-282-ROPE (7673)

User Information may only be removed by the end user.

- EQUIPMENT INS	SPECTION LOG
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Model#

. Size Lot/Serial# Date in service Use/Maintenance Name Date **Comments** 

PMI LIMITED WARRANTY

PMI products are warranted to the original retail purchaser to be free from defect in material and workmanship for a period of one year. PMI will repair or replace the item without charge provided inspection at our factory discloses no misuse or alteration, which, in our judgment, has affected the condition or functioning of the product. All implied warranties imposed by law in connection with the sale of PMI products are also limited in duration to a period of one year. PMI expressly excludes and shall not be liable for any consequential damages arising out of any breach of the express or implied warranties on sales of PMI products. Because of the high risks involved in high angle rope work such as, but not limited to, rescue, rope access, caving, rappelling, rock climbing and mountaineering, no further warranties exist or are implied by PMI. Regulations issued under the Magnuson-Moss Warranty Act require us to include the following statement: some states do not allow limitations on how long an implied warranty lasts nor the excluding or limitation of incidental or consequential damages, so the above limitations may not apply to you.

Height Range

Leg: Min/Max

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Waist: Min/Max

Standard

SIZING INFORMATION

NFPA 1983-2017 Class III (Full Body); Class II (Seat Only)

#### **CERTIFICATIONS**

to secure the tail end of the strap. buckle at the bottom of the sliding bar. The free moving elastic loop is used 2. Take the tail of the strap and run it up to the underside of the Sliding Bar Buckle located on the chest harness. The tail goes from the back of the Sliding Bar Buckle over the sliding bar and back through the bottom of the function attachment point.

Undo the loop on the chest harness so that the back strap is hanging free. Make sure the free moving elastic loop does not come off the end of the strap. Take the tail end of that strap and place it under the inside of the straight bar on the back center D-ring. Wrap that straight bar and pull the tail back through the D-ring attachment point so that the straight bar is covered by the strap on the outside but does not interfere with the bar is covered by the strap on the outside but does not interfere with the bar is covered by the strap on the outside but does not interfere with the bar is covered by the strap on the outside but does not interfere with the bar is covered by the strap on the outside but does not interfere with the bar is covered by the strap on the outside but does not interfere with the bar is covered by the strap on the outside but does not interfere with the bar is covered by the strap on the outside but does not interfere with the straight and the strap on the outside but does not interfere with the straight and the strap outside but does not interfere with the straight and the strap outside but does not interfere with the straight and the strap outside but does not interfere with the straight and the straight and the straight and the strap outside but does not interfere with the straight and the straight a Connecting the back strap of the Diamond Harness to the Avatar Seat Harness:

5. Take the stitch reinforced webbing attachment point on the chest harness and attach it to the Delta Screw Link. Make sure the Delta Screw Link is screwed closed and securely fastened with a tool so that it can't be unscrewed by hand testing before use.

the front D-ring is permanently attached. 4. Connect the Delta Screw Link to the stitch reinforced webbing loop where

applied tension. down on the tail end of the strap will allow adjustment of the strap and will weep it in place when the sliding bar tightens down on the strap with Bar Buckle located on the right shoulder of the chest harness. The tail goes from the back of the Sliding Bar Buckle over the sliding bar and back through the bottom of the buckle at the bottom of the bulling 3. Then, take the tail of the strap and pull it up to the underside of the Sliding

attachment point. the front, wrap that straight bar and pull the tail back up through the Dring attachment point so that the outward facing part of the straight bar is covered by the straight does not interfere with the function of the 2. Take the tail end of that strap and place it under the inside of the straight bar on the D-ring that is not attached to the harness. Pull the strap to that comes included with the Diamond Chest Harness. Pull the strap to

The tail end of the strap coming from the left shoulder of the chest harness

Connecting the front strap of the Diamond Chest Harness to the Avatar Seat

manufacturer's instructions.

harness and must be used in conjunction with component part number SG51043 or SG51044 in order to fully meet the criteria of Class III harness. The Diamond Chest Harness is shown on the cover of these Large Seat Harness - SG51044, Class II when using only the Seat Harness. Diamond Chest Harness - SG51045, This is one part of a multiple-piece

These are the manufacturer's instructions and all sections apply for the following PMI products:

• Standard Seat Harness - SG51043, Class II when using only the Seat

This section describes how to connect the chest harness to the Avatar seat harness. For instructions on how to put on and adjust the full body harness, go to the section titled "ADJUSTING YOUR

#### **FITTING AND USE**

The Avatar is a one of a kind harness with an array of basic design and not so subtle features that make it the most versatile, comfortable, and useful harness you're ever likely to wear. Available as a seat only or with the Diamond Chest Harness to meet NFPA Class III standards.

### PRODUCT DESCRIPTION

# PMI® AVATAR **HARNESS**

# PMI® DIAMOND CHEST **HARNESS**

SG51045

SG51037 SG51044





Manufacturer's Instructions

SG51043





**HARNESSES** 

RM00397 PMIROPE.COM 1-800-282-ROPE

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#### PRODUCT LABELS



THIS IS ONE PART OF A MULTI-PIECE HARNESS AND MUST BE USED IN CONJUNCTION WITH COMPONENT PART NUMBER SG51043 OR SG51044 IN ORDER TO FULLY MEET THE CRITERIA OF A CLASS III HARNESS

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EMERGENCY SERVICES CLASS II LIFE SAFETY HARNESS IN ACCORDANCE WITH NFPA 1983-2017

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EMERGENCY SERVICES CLASS III LIFE SAFETY HARNESS IN ACCORDANCE WITH NFPA 1983-2017

CLASS II: STANDARD FITS WAIST SIZE 31"-54"; LARGE FITS WAIST SIZE 37"-55'

FITS CHEST SIZE 30"-54": FITS HEIGHT 5'2"-6'8'

PIGEON MOUNTAIN INDUSTIRES INC. LAFAYETTE, G.A DATE OF MFG: LOT NUMBER:

#### WARNINGS

#### ABOUT YOUR PERSONAL SAFETY

- Failure to follow these stated warnings may result in serious injury or
- You are responsible for your own safety and decisions while using this
- Activities involving the use of this product are inherently dangerous; you must understand and accept the risks involved.

  Special training and knowledge are required to use this product. These instructions are not an acceptable substitute for appropriate training by a stability of the product of the prod instructions are not an acceptable substitute for appropriate training by a qualified instructor. The techniques employed in the safe and proper use of this equipment may only be learned through training from an instructor who is well qualified in all phases of vertical rope work. Such instruction will include evaluation of your comprehension of, and ability to perform, the task required to safely and efficiently use this equipment. Never attempt to use this product until you have received appropriate instruction and are approved to be competent by your instructor. Harness should not be used near moving machinery, electrical hazards, sharp edges, or abrasive surfaces without proper additional safety equipment in place. In addition, harness should be carried where it will be protected, as the harness could melt or burn and fail if exposed to flame or

protected, as the harness could melt or burn and fail if exposed to flame or high temperature.

- high temperature.

  All webbing tails should be properly secured before use.

  This harness is fitted with safety buckles that ensure no slip performance when properly rigged. If not used properly, the buckle will not hold and can result in injury or death. Inspect the buckle on receipt and before use to ensure that the two part buckle design is functioning properly.

  The user must have a rescue plan prepared and the means available to implement it while wearing this harness.

  Read and understand the manufacturer's instructions before use and refer to these instructions as needed for each user.
- to these instructions as needed for each user.
  Instructions shall remain available before and after use of this product.
- Use and inspect this product only in accordance with the manufacturer's
- The main attachment D-rings (sternal, dorsal, and waist) are for attaching to full strength anchors used to support life-safety loads. Equipment such as life safety lanyards, descenders, ascenders, and fall arrest systems are to be attached to these points in accordance with applicable standards and regulations
- The side D-rings are for work positioning only and designed to be used as a pair with an appropriate work positioning lanyard. The side D-rings are NOT to be used as life safety attachment points.

- The accessory loops are designed to attach equipment only and should NEVER be used for life safety applications such as belaying, anchoring a person, or tying in to a life safety system.

  DO NOT alter or repair this product in any way. Any attempt will cancel the manufacturer's warranty and and could compromise the safety of the product causing serious injury or death to the user. Keep these Manufacturer's Instructions, all product labels and the Equipment Inspection Log WITH the equipment so that any potential user can read them prior to use and make entries after use. PMI is not responsible or liable in any way for damages of any kind, injury or death resulting from direct or indirect incidents related to the use of its products.
- If in doubt about this use of this product or for any additional questions, please contact PMI at 706-764-1437 before using this product.

# CARE AND MAINTENANCE

Maintaining your harness properly will provide a longer service life and ensure the highest level of safety during use. The following maintenance guidelines should be followed:

Store harness loosely packed in a clean, dry environment

- Thoroughly air dry a wet harness before storing it; never dry in a heated
- Keep your harness away from exposure to direct flame or high
- temperatures such as in a hot vehicle.
  Prevent exposure of your harness to chemicals or other damaging
- DO NOT attempt to alter, make any modifications to or attempt to repair this harness. Any attempt to do so will void the warranty and the safety of the harness could be compromised.

Washing: Cleaning Your Harness - If your harness is dirty, you can wash it by hand or in a front-loading commercial washing machine. Use a PMI® Laundry bag for keeping the harness from getting tangled/damaged when washing in a machine. Wash harness by using cool to warm water <30°C (<86°F) with a mild soap. PMI recommends using PMI® Rope Soap; otherwise non-detergent soaps are best. Soap used should not contain any bleaching agents.

- DO NOT use top loading washing machines with agitators because they tangle/damage the harness severely and can cause damage to the machine.
  DO NOT use a commercial dryer to dry the harness.
  DO NOT leave a wet harness on a surface where contaminants may leach (such as concrete).

- DO NOT expose the harness to exhaust fumes.

Disinfecting - Disinfection of a harness may occasionally become necessary, Disinfecting - Disinfection of a harness may occasionally become necessary, such as when exposed to bloodborne pathogens. To disinfect a harness from suspected bloodborne pathogens, PMI recommends following the NFPA standard for cleaning rescue gear of bloodborne pathogens. Keeping in mind that undiluted household bleach is known to damage nylon, NFPA calls for using a diluted solution of household bleach to clean rescue gear. Add 60 ml of household bleach per 4 liters of tap water. That's about one quarter (1/4) cup of bleach per gallon of water. Be aware that some commercial bleach solutions are stronger than the recommended 1.5% that is typical for household bleach. Soak the gear in the diluted solution for ten minutes, then rinse thoroughly with tap water. The rinsing cycle is critical to prevent any damage to the nylon from the bleach. It is good to soak the gear in tap water for the same amount of the bleach. It is good to soak the gear in tap water for the same amount of time it soaked in the bleach solution. Never store gear while it is wet.

# WARNING

The use of bleach over a long period of time, in repeated uses, can cause damage to fibers such as nylon. Disinfection of the harness using bleach should be used sparingly and only when needed.

Drying - Dry your harness in a clean, dry area out of direct sunlight. For best results, it should be hung up to air dry in a low-humidity environment. DO NOT leave a wet harness on a surface where contaminants may leach (such as

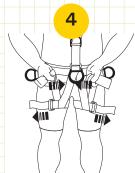
Write It Down - Remember to record the cleaning on the Equipment Log.

Keep It Clean - Store your harness in a clean, dark, dry environment, away from exposure to acids, other harmful chemicals, noxious fumes or other abuse

#### **ADJUSTING THE HARNESS** (continued)

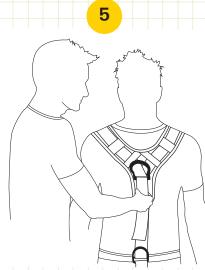
To ensure a good fit, the user must try on and adjust appropriately prior to use. Follow the instructions for connecting the specific chest harness to make a full body harness before adjusting the harness.

- Loosen waist belt, leg loops, and front chest strap.
- Step through waist belt, inserting a leg into each loop.
- Flip chest harness forward, over your head, placing head between



Tighten the waist by pulling the waist straps towards the center D-ring which should be centered on

your waist. Secure the leg loops by tightening the leg loop buckles until snug and ensure that the leg loops are not twisted so that they have a comfortable fit.



Have a partner adjust the back adjustment strap that is attached to the dorsal D-ring until the dorsal D-ring is positioned between the shoulder blades. Once this adjustment is made, it should not need to be changed if the same person is using the harness.

Secure all loose ends of straps in their respective holders.

Double-check all connectors and

until the upper harness section is snug on the shoulders by pulling on the tail end of the

# Have a partner perform a secondary safety check of all connectors and

#### INSPECTION

webbing as shown in the diagram above.

Tighten the shoulder straps

Your harness should be thoroughly inspected before each use. Any harness that does not pass inspection should be immediately retired from service and discarded/ destroyed. Detailed inspection criteria must be established by the user according to his needs. Inspections should include at a minimum:

• Examination of all load-bearing components for signs of damage.

• Inspection of all stitching for signs of wear, fraying, breaks, loosened/pulled threads or cuts

- pulled threads, or cuts.

- Inspection of webbing for signs of cuts, burns, discoloration, broken fibers, hard/ soft sections, or excessive wear.

  Examination of buckles and attachment points for proper function.

  Examination of all metal components for corrosion, damage or sharp edges.

  Inspection of webbing rigging and buckles to ensure that harness has been properly assembled.
- Inspection for any signs of damage from heat, chemical exposure, or other or other environmental concerns specific to the environment where used. Inspection of date of manufacture and date placed in service to determine if retirement of harness is needed (See "Retirement Criteria" section).
- Inspections should be recorded and maintained in an Equipment Inspection Log. A sample is provided in these instructions.

Inspections should be recorded and maintained in an inspection log. A sample inspection log is provided on back of instructions.

# RETIREMENT

Retiring your harness is a judgment that is the responsibility of the user and should be based largely on results of frequent inspections, environment and use history. If you have any questions regarding retirement of your harness you can contact PMI. Use the following Retirement Criteria as guidelines for retiring your

- RETIRE IMMEDIATELY any harness where the stitching is cut, torn, excessively worn or visibly damaged.

  RETIRE IMMEDIATELY any harness that is greater than 10 years old from
- the date of manufacture regardless of history and use.
  RETIRE IMMEDIATELY any harness whose strength may have been

- RETIRE IMMEDIATELY any harness which is subjected to a major fall or uncontrolled or excessive loading.

  RETIRE IMMEDIATELY any harness which is subjected to a major fall or uncontrolled or excessive loading.

  RETIRE IMMEDIATELY any harness with a manufacture date which is greater than 10 years old, regardless of history and usage.

  RETIRE IMMEDIATELY any harness whose history and past usage you are uncortain about.
- uncertain about
- RETIRE IMMEDIATELY any harness that has been exposed to excessive heat, direct flame or excessive abrasion.

  RETIRE IMMEDIATELY any harness that has been exposed to liquids,
- solids, gases, mists, or vapors of any chemical or other substance that can deteriorate the harness materials.
  RETIRE IMMEDIATELY any harness that does not pass inspection when
- following the inspection procedures in these instructions, both before and after each use.

# WARNING

CUT ANY RETIRED HARNESS to discourage future use and discard it entirely. A retired harness should not be stored, kept or maintained in such a way that it could inadvertently be used again.

# PRODUCT LIFETIME

Retiring your harness is a judgment that is the responsibility of the user and should be based largely on results of frequent inspections, environment and use history. If you have any questions regarding retirement of your harness you can contact PMI at (706) 764-1437.

Regardless of history and use, a PMI® Avatar Harness should be retired if it is greater than 10 years from the date of manufacture. The actual service life of PMI® Avatar Harness may be much less than 10 years and should be based largely on the results of frequent inspection and use history. Material integrity and product performance characteristics will degrade over time. PMI recommends that you thoroughly inspect your equipment before each use and at a minimum at least once every 6 months. Specialized training may be required to become competent with inspecting equipment and knowing when to retire your equipment. Good judgment, as well as proper care and inspection, are key to making personal decisions regarding the retirement of your harness.

A significant event with the potential to change the product should prompt you to consider retiring it immediately even if before or after only one use. Factors that may affect the safety of a harness depends on the type and frequency of usage (light to heavy), the environment including harsh environments with extreme temperatures, marine (salty or highly corrosive) environments, chemical contact, contact with sharp edges, etc. Textiles can become dry and brittle, plastics can weaken in areas, small cracks can form, etc. The best way to know when a change has occurred is to implement frequent detailed inspections before each use.

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