	standard 31,"-45," 20,"-33," 50,"-33," 5,2," - 6,8,"
9bis and postable solution of the state of t	90 Alexandre Alexander A Alexander Alexander Ale
Ouick Adjust Sliding	146A 1983-201∑ Class III (Full Body); Class II (Seat Only)
Quick Adjust Sliding	to secure the tail end of the strap.
	Sliding Bar Buckle over the sliding bar and back through the bottom of the 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
BrifA-D gninoitizeo 9bi2	bar is covered by the strap on the outside but does not interfere with the function attachment point.
	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
	free. Make sure the the tail end of that strap and place it under the inside of the strap. Take the tail end of that strap and place it under the inside
	connecting the back strap of the Diamond Harness to the Avatar Seat Harness:
	is screwed by hand securely fastened with a tool so that it can't be unscrewed by hand testing before use.
gnifi-D InemdastIA ItaisW	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
	4. Connect the Delta Screw Link to the stitch reinforced webbing loop where the front D-ring is permanently attached.
	will keep it in place when the sliding bar tightens down on the strap with applied tension.
	through the bottom of the buckle at the bottom of the sliding bar. Pulling but define the tail of the starp will allow adjustic framework the starp and with starp and the starp will allow the starp with the starp and the starp with
Sternal Attachment D-Ring	Bar Buckle located on the right shoulder of the cheat harness. The tail ack goes from the back of the Silding Bar Buckle over the silding bar and back
ledel noiseant Certification Certification	3. Then, take the tail of the strap and pull it up to the underside of the Sliding
	D-ring attachment point so that the outward facing part of the straight bar is covered by the strap but does not interfere with the function of the attachment point.
Bar Buckle	that comes included with the Diamond Chest Harness. Pull the strap to the front, wrap that straight bar and pull the tail back up through the D-ring attactment points of the the outward facing part of the straight
Bribil? TsujbA AbiuO	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 fit is a separate place
	sponid be hanging free and not through any buckles.
	Sonnecting the front strap of the Diamond Chest Harness to the Avatar Seat harness: 1. The tail end of the strap coming from the left shoulder of the chest harness
Dorsal Attachment D-Ring	and the free free of the Diamond Cost Lange to the Auster Seat
	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
Shoulder Attachment Points	 Diamond Chest Harness - SG51045, This is one part of a multiple-piece harness and must be used in conjunction with component part number
 Large D-Ring Attachment Points. 	 Harness. Large Seat Harness - SG51044, Class II when using only the Seat Harness.
Fall Arrest Indicator Carlo antarchment point. Earyard parking attachment Point. Earyard parking attachment Point.	 Standard Seat Harness - SG51043, Class II when using only the Seat
 Interchangeable, removable chest harness Shoulder attachment points ideal for confined space applications. 	hese are the manufacturer's instructions and all sections apply for the
Available in two sizes to fit 30"- 61" waists Ergonomic padding	iarness. For instructions on how to put on and adjust the full body harness, go o the section titled "ADJUSTING YOUR ARNESS".
 Dorsal, sternal, waist, hip, shoulder, and lumbar attachments Fully adjustable rear leg risers and chest harness 	his section describes how to connect the chest harness to the Avatar seat
Key Features: • 8 attachment points when used with the Diamond chest harness	Istness to meet NFPA Class III standards.
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 and confined space applications.	ubtle features that make it the most versatile, comfortable, and useful harness vou're ever likely to wear. Available as a seat only or with the Diamond Chest
TERTURES AND SPECIFICATIONS	The Avatat is a one of a kind harness with an array of basic design and not so
	PRODUCT DESCRIPTION
For more information about this or other	
PMI products, please contact us at: PIGEON MOUNTAIN INDUSTRIES	
PO Box 803 LaFayette, GA 30728, USA	
706-764-1437 custserv@pmirope.com	HARNESS
1-800-282-ROPE (7673) PMIROPE.COM	
User Information may only be removed by the end user.	PMI® DIAMOND CHEST PIGEON MOUNTAIN
EQUIPMENT INSPECTION LOG	HARNESS
Item Model# Date of Manufacture	SG51037 SG51044
Date in service Size Lot/Serial#	SG51043 SG51045 II IV
Date Use/Maintenance Comments Name	Manufacturer's Instructions

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Large

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37"-55"

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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 andle rope work such as, but not limited to rescue, rope access, caving, rappelling 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.

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✓ P M [PMIROPE.COM ^ 1-800-282-ROPE

HARNESSES

ASSIFIED

PRODUCT LABELS



WARNINGS

ABOUT YOUR PERSONAL SAFETY

- Failure to follow these stated warnings may result in serious injury or death.
- You are responsible for your own safety and decisions while using this product.
- 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 gualified instructor. 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.
- 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 instructions
- 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.
- oducts
- 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 dryer.
- 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

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.



Step through waist belt, inserting a leg into each loop.





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

Secure the leg loops by tightening the leg loop buckles until snug and ensure that the leg loops are

your waist.

not twisted so that they have a comfortable fit.

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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 buckles.

Tighten the shoulder straps until the upper harness section is snug on the shoulders by pulling on the tail end of the webbing as shown in the diagram above.

Have a partner perform a secondary safety check of all connectors and buckles.

INSPECTION

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.

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- Inspection of all stitching for signs of wear, fraying, breaks, loosened/ 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 of weighing and buckles to charte that names has a 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 stitching is cut, torn, and the stitching is cut, torn, and
- 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 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 uncontrol about

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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

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- DO NOT:
 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 concrete).

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

- 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 perduct performance betweet retires pwill depende over time. PM 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.