

Buckingham Mfg. Co.

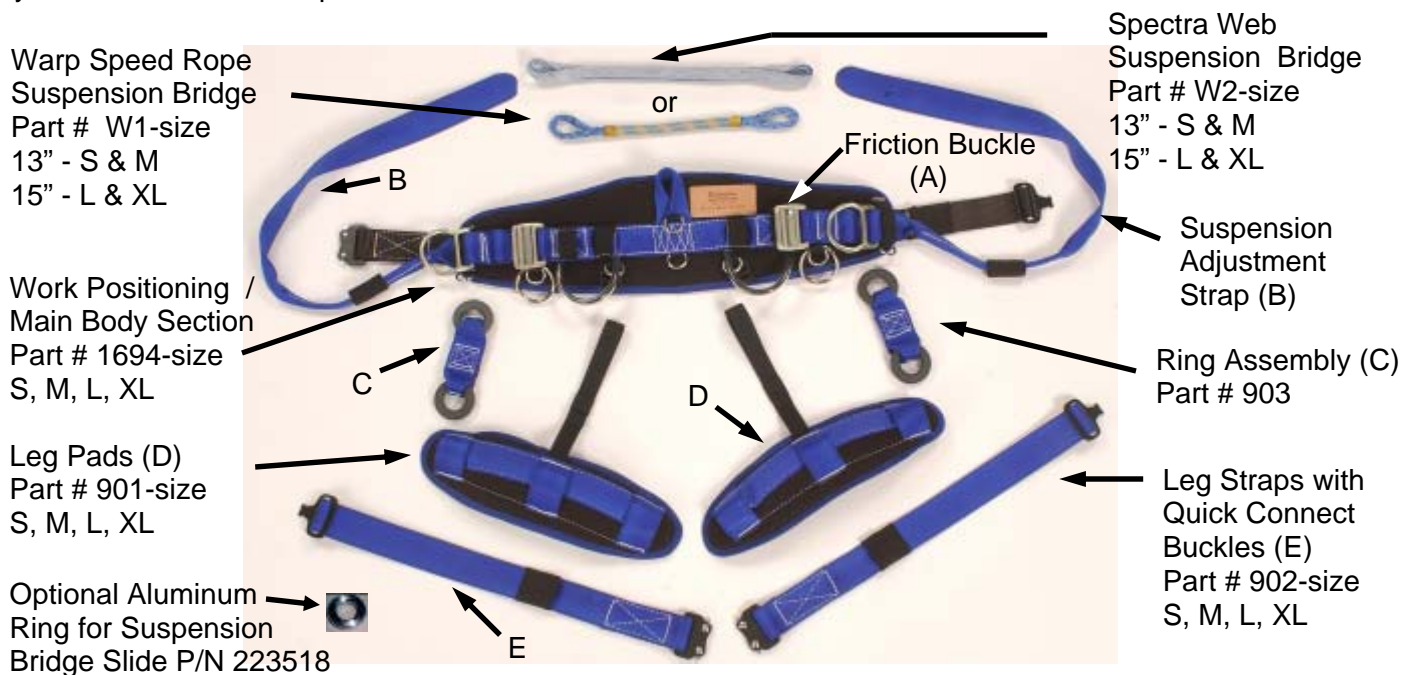
GLIDE SERIES SADDLES

INSTRUCTIONS / WARNINGS

The Buckingham Glide Series is a light weight, modular designed saddle developed for the professional arborist. Its modular design is fully adjustable at the sides, waist and legs to provide ease of use, comfort, adjustability, versatility and safety. The Glide Series offers several advantages over a conventional saddle including:

- multiple adjustments to obtain a custom fit.
- the ability to change the length and type of suspension strap.
- the ability to attach a full body harness.
- the ability to replace worn parts.

The Glide Series is available in a wide variety of styles and combinations ranging from the complete system to individual components.



SADDLE DISASSEMBLY

Upper / Lower Section

1. Remove the suspension adjustment strap (B) from the friction buckle (A) on the right side of the main body section .
2. Pull the suspension adjustment strap through the slot of the D-ring, nylon strap keeper and remove the right side of the suspension assembly.
3. Repeat this procedure for the left side of the saddle.
4. Remove the elastic leg pad support straps from the small friction buckles on the back right and left side of main body section. At this point the body section and lower section should be separate. Orient the lower section of the saddle so the leg pads are closest to you.



Leg Straps and Pads / Suspension Assembly

1. Disconnect the quick connect buckle on the right side leg strap (E), press the pawls in and pull the two halves apart. see Fig. 1.
2. Remove the tab end of the quick connect buckle and the elastic keeper from the leg strap.
3. Remove the leg pad (D) from the leg strap (E).
4. Remove the leg strap from the aluminum ring.
5. Repeat the above steps for the left side.

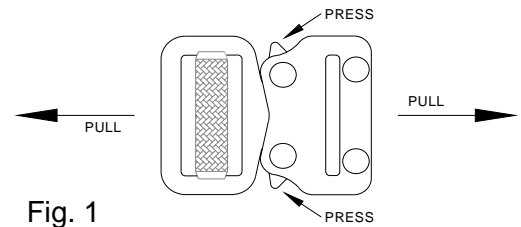


Fig. 1

DISCONNECT

Suspension Assembly

1. Loosen the Girth Hitch on the left ring and pass the right side ring assembly through the eye of the suspension bridge.
2. Loosen the Girth Hitch on the right side ring assembly and pass suspension bridge through its own eye.



At this point the saddle should be fully disassembled.

SADDLE ASSEMBLY

Suspension Assembly

1. Girth Hitch the eye of the suspension bridge to one side of a ring assembly as follows. Ensure the eye of the suspension bridge is passed through the ring from the top side when the white thread of the ring assembly is facing up. (see Fig 2a) Pass the opposite eye of the suspension bridge through the eye that had been previously passed through the ring from the top. (see Fig. 2b) Ensure the bight of the eye is seated tightly between the cover of the suspension bridge and ring. (see Fig. 2c) If using optional aluminum rings for carabiner attachments, slide ring onto suspension bridge at this point. (Rings not shown for clarity purposes).

optional
aluminum
ring →



Fig. 2a



Fig. 2b



Fig 2c

2. Pass the opposite eye of the suspension bridge through one side of the remaining ring assemblies ensuring the eye is passed through the top side of the ring when the white thread of the ring assembly is facing up. (see Fig. 3a) Pass the opposite side ring assembly through the eye. (see Fig. 3b) Continue to pull the suspension bridge through the other eye of the suspension bridge until the bight of the eye is seated tightly between the cover of the suspension bridge and ring. (see Fig. 3c)



Fig. 3a

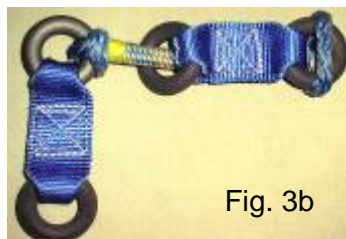


Fig. 3b

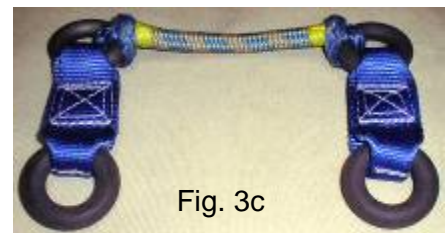


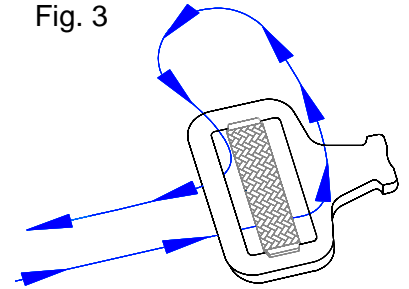
Fig. 3c

Over

Leg Straps and Pads / Suspension Assembly

1. Orient the suspension assembly so that the white threads of the ring assemblies are facing up as in Fig 3c. Orient the leg pads so the elastic support straps are facing away from you with the leg strap loops facing up.
2. Working on the right side of the suspension assembly, pass the leg strap with the folds of the strap facing down through the top of the remaining ring of the suspension assembly from right to left. (When doing this ensure the white thread of the ring assembly is facing up.)
3. Again with the folds facing down, pass the leg strap through the three loops on the leg pads from left to right.
4. Place the elastic keeper on the leg strap.
5. Connect the tab end of the quick connect buckle to the receptor end.
6. Weave the leg strap through the tab end of the quick connect buckle as shown in Fig. 3. Under the slide bar and up through the front slot, then over the slide bar and down through the rear slot.
7. Tuck the loose end of the leg strap into the elastic keeper.
8. Repeat the above procedure for the left side of the saddle. (see important notes below).

Fig. 3



- Important Notes:**
- * You must reverse the direction of the webbing for steps number 2 & 3.
 - * For step 2 the leg strap must be passed through the remaining ring assembly from left to right.
 - * For step 3 the leg strap must be passed through the loops on the leg pads from right, to left.

At this point the lower section should look like the photo shown to the right.

Upper / Lower Section

1. With the suspension bridge facing away from your body (as shown in the photo to the right) position the main body section (in the manner in which you would wear it, buckle facing suspension bridge) on top of the leg pads.
2. Attach the elastic leg pad support straps to plastic buckles on back pad as shown in Fig. 4. Tuck the loose ends of the straps into the elastic keepers.
3. Working on the right side, insert the end of the suspension adjustment strap through the bottom of the ring from left to right into the ring with the suspension bridge and pass the strap through the elastic keeper.
4. Pass the suspension adjustment strap through the nylon strap keeper and slot of the D-ring and weave it through the friction buckle as shown in Fig 5.
5. Repeat the above procedure for the left side of the saddle. (see important notes below).
6. Place the aluminum ring on the box 'X' stitch for ideal location while wearing.



- Important Notes:**
- * You must reverse the direction of the webbing for step number 3.
 - * For step 3, insert the end of the suspension adjustment strap from right to left.

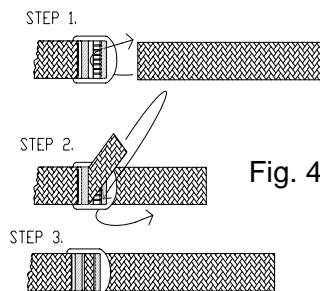


Fig. 4

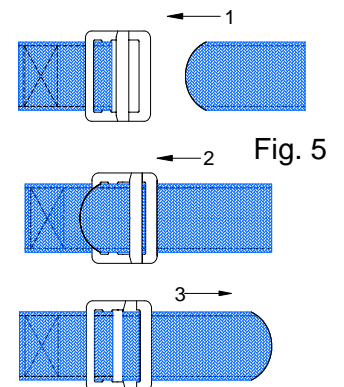


Fig. 5

Your Buckingham Glide Series Saddle is now assembled and ready for use.

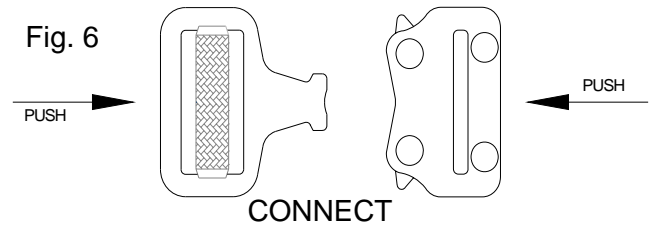
WEARING INSTRUCTIONS

1. Make sure that the waist strap and leg straps are unbuckled.
2. Step into the belt, pulling it up around the waist.
3. Fasten and adjust the waist belt strap buckle until the work positioning D-rings are positioned slightly forward of the hip bones and the belt is snug, but comfortable. Use the elastic band to contain any excess strap.
4. Wrap the leg straps around the legs so that the padded portion is behind the leg and the buckles are in the desired position towards the outside of your leg.
5. Connect the quick connect buckles as shown in figure 6.
6. Adjust the leg pad elastic strap as necessary.
7. Adjust the leg straps until they are snug, but comfortable. Contain the excess strap with the elastic keepers.

ADJUSTMENT INSTRUCTIONS

Once the saddle has been properly fitted, you can adjust the suspension strap for the perfect feel.

- Adjustment of the suspension strap will change your center of gravity. Tightening the suspension straps will move your center of gravity forward and loosening them will move it backwards.
- Adjustment of the elastic leg pad support straps ensures that the leg strap section will be in the most comfortable position on your legs.



INSPECTION

Prior to each use, carefully inspect this equipment for indications of wear or deterioration. The inspection should include, but not be limited to inspection for:

- webbing and suspension bridge cuts, kinks, abrasions, burns, excessive swelling, excessive wear, discoloration, cracks, charring, broken fibers, loose stitching chemical or physical exposures.
- loose, bent or pulled rivets.
- nicks, cracks, distortion or corrosion of hardware (buckle, D-ring, etc.)

If any evidence of wear or deterioration as outlined is observed, immediately cease use, destroy the product and replace it with new equipment. Should any unusual conditions not outlined above be observed, or you have reasonable doubt about a particular condition, remove the equipment from service and notify your Supervisor, Safety Director or contact Buckingham Mfg. (1-800-937-2825) for clarification.

Failure to carefully and completely inspect your equipment could result in serious injury or death.

CLEANING, STORAGE and TRANSPORTATION

Proper maintenance, storage and transportation of your equipment will prolong its useful life and contribute toward its performance. Nylon and polyester should be cleaned and disinfected with water and mild soap and be allowed to air dry thoroughly without using excessive heat. Your equipment should be stored and transported so that it does not come into contact with moisture, ultra violet rays, extreme temperatures, or chemical agents. Warnings pertaining to cleaning, storage and transportation should be strictly adhered to.

NOTE: Ensure proper fit / size of product before use. This product can not be returned unless it is in new / unused condition.

NOTE: For a COMPREHENSIVE TRAINING PROGRAM, contact ARBOR MASTER TRAINING™
at (860)-429-5028

WARNINGS

- Read, understand, and follow all instructions, warnings, and cautions before using this equipment. Failure to do so could result in your serious injury or death.
- This product is designed to be used by a person with a maximum weight of 350 lbs. when fully equipped.
- Fall protection equipment, (i.e. fall arrest, work positioning belts, climbers, retrieval, suspension etc.) should not be resold or provided to others for re-use after use by original user as assurance can not be granted that a used product meets criteria of applicable standards and is safe for use to a subsequent user.
- KNOW and FOLLOW ANSI Z133.1 for Tree Care Operations
- Buckingham Glide tree saddles are manufactured in accordance with ANSI A10.14 and are intended for use as personal protection equipment only, not for towing or hoisting.
- Do not use without proper training.
- Before use the first time, the user should carry out a suspension test in a safe place to ensure that the equipment is the correct size, has sufficient adjustment and is of an acceptable comfort level for the intended use.
- Before use of the equipment, consideration should be given as to how any necessary rescue could be safely achieved.
- This product is to be used for positioning and suspension only, **NOT FOR FALL ARREST UNLESS USED WITH OPTIONAL RETROFIT HARNESS**. Therefore, it may be necessary to supplement arrangements for work positioning / suspension with collective means (i.e. safety nets) or personal means of protection against falls from a height (i.e. fall arrest system).
- This equipment must only be used for the specific purpose for which it is designed and intended.
- Destroy any and all equipment subjected to impact loading.
- Never work without independent fall arrest protection if there is danger of a fall.
- Keep equipment from coming into contact with sharp edges, extreme temperatures, excessive ultra violet rays and chemical agents. Exposure to these elements may have a detrimental effect on the integrity of the equipment.
- Always visually check that all buckles are properly closed before use.
- Attach only connecting devices meeting standards/regulations for intended use for positioning and suspension to belt D-rings and attachment points.
- Only positioning connecting devices should be attached to side D-rings, as side D-rings are not intended for fall arrest or suspension.
- Position and / or adjust the work positioning lanyard in such a manner that the anchorage point is maintained at or above waist level, the lanyard is kept taut and free movement is restricted to a maximum of 1.96 ft. (0.6 m).
- Positioning and suspension anchor points, as a minimum, must support user's weight plus all additional job related loads. Fall arrest anchor points must support a minimum of 5000 pounds per attached worker and be independent of worker support.
- As a minimum the materials used in the manufacture of this product are acceptable for use under all normal environmental conditions tolerable to humans.
- Always visually check that each snap hook freely engages D-ring or anchor point and keeper is completely closed with each use. **Never** rely solely on the feel or sound of a snap hook engaging.
- Before each use check that: 1) fabric or belt strap is free of burns, cuts, broken stitches or excessive wear, 2) rivets are not bent, loose or missing, 3) buckles and D-rings are not distorted or cracked, 4) if there is a tongue buckle, that the tongue does not bind on the buckle and buckle holes are not damaged. Always remove from service, destroy and discard belt or harness if it fails inspection.
- Always use locking snap hooks or locking carabiners as outlined in the ANSI Z133.1 standards for suspension, work positioning and fall arrest.
- When in the work position, ensure there is no pressure on the snap hook locking mechanism sufficient to depress it as this will, due to its length, render it incompatible with currently designed D-rings and make it very susceptible to rollout.
- During use all fastening and adjusting elements must be regularly checked to ensure adjustment and closure.
- Never attach multiple snap hooks to a dee ring unless they are of the locking type and designed for such attachment.
- Never disable locking keeper on snap hook or carabiner.
- Never punch additional holes in or alter any belt or harness in any way.
- Product covered under these instructions / warnings should not be resold / redistributed or re-used after use by original user.

- This equipment should be a personal issue to the employee using it.
- Documentation containing the following information should be issued with and kept for each sit harness (saddle): identification marks, manufacturer's or suppliers name and address, manufacturer's serial number (if applicable), date of manufacture, suitability for use with other components within personal fall arresting systems, date of purchase, date first put into service, name of user and space for comments.
- Employer - instruct your employees as to proper use, warnings and cautions before use of this equipment.

SIZING - Fit is important to comfort. Be sure to allow for wear over heavy clothing. In order to obtain an optimum fit, the work positioning D-rings should be positioned slightly forward of the hip bones. Below are typical fits given according to waist size.

X-Small (1S) = 24 -28" (610 - 711 mm) waist size
 Small (S) = 28 - 32" (711-813 mm) waist size
 Medium (M) = 32-36" (813-914 mm) waist size

Large (L) = 36-40" (914-1016 mm) waist size
 X-Large (X) = 40-44" (1016-1118 mm) waist size

Additional Instructions / Warnings for Quick Connect Buckle

For your information and attention:

Quick Connect Buckles on those Full Body Harnesses and Arborist's Tree Saddles that include this style of buckle may unintentionally disengage under the condition outlined below:

If the pawls of the buckle do not freely rotate, proper engagement of the tab end to the receptor end of the buckle will be hindered / restricted. If as a result of the users movements or through contact with an obstruction during the course of his/her work, one of the two pawls of the receptor end of the buckle is depressed while tension is induced on the strapping attached to the buckle, the potential exists that disengagement of the tab end of that side from the pawl may occur. If that position is maintained and again through the users movements or contact with an obstruction the opposite side pawl is depressed, the tab end of the buckle may totally disengage from the receptor end.

To eliminate the potential for this condition, you the user should:

1. Inspect your equipment before each use as you would for all safety equipment. Equipment should be replaced if you have any question / doubt about it being safe for use.
2. Always position the buckles of your equipment so that contact with obstructions is avoided.
3. Test the pawls on your Quick Connect Buckles to ensure they freely rotate and return back to their original position. If any pawl does not freely rotate, the buckle should be (a) cleaned as outlined below to ensure there are no obstructions inside the buckle hindering its intended function and (b) lubricated with a lightweight lubricant such as WD-40[®] as recommended for locking snaphooks. If the pawl still does not freely rotate, you should contact Buckingham Mfg. at the telephone number outlined below and request a Returned Goods Authorization Number for immediate return of your harness or Arborists tree saddle for our inspection and/or buckle replacement.
4. Ensure the receptor end and tab end of the Quick Connect Buckle is fully connected with both locking pawls engaged. When the two halves are properly attached together, a clicking sound should be heard. Complete by pulling the adjuster strap through the buckle and tighten until it is snug but comfortable, thus ensuring complete engagement.

Cleaning Instructions: The Quick Connect Buckle may be cleaned by using a cotton swab, limited air pressure or dipping it into a container of water to remove fine particles and any foreign matter which may enter the receptor end of the buckle and preventing proper engagement and function. The exterior of the buckle should be dried with a clean cloth. The inside of the receptor end of the buckle should be air-dried and re-lubricated.

Maintenance: Lubricate pawls weekly or as often as required to maintain smooth operation (no binding) with a lightweight lubricant such as WD-40[®]. Wipe any excess lubricant off with a clean dry cloth.

Buckingham's primary concern is to provide a quality product to its customers to enable them to carry out their profession in a safe manner. However, we always require our customer's assistance in proper equipment operation, inspection and maintenance.

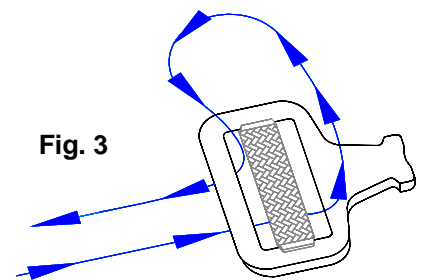
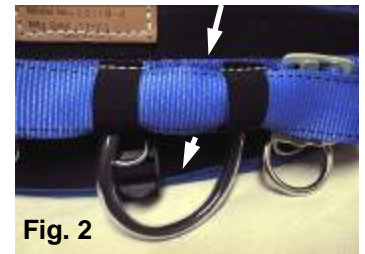
ATTACHMENT INSTRUCTIONS FOR HARNESS OPTION TO THE GLIDE SERIES SADDLE

To Attach a Full Body Harness to the Glide Saddle

When attaching a full body harness to the Glide Saddle, it is recommended that the backside of the harness be completely attached before the front side of the harness.

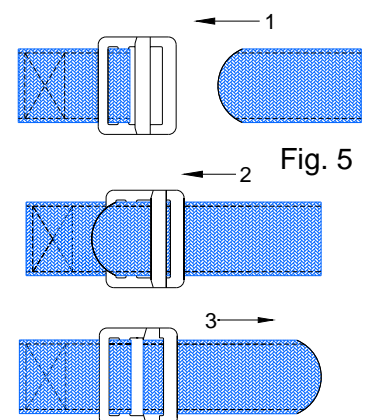
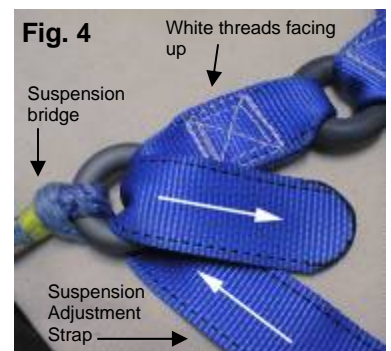
Back Side Attachment

1. Working on the right side of the saddle, disconnect and remove the tab end of the quick connect buckle and the elastic keeper from the leg strap. Pull the leg strap through the outermost loop on the saddle leg pad as shown in Fig. 1.
2. With the elastic facing away from you, pass the back strap of the harness through the void between the belt strap and the back pad on the right side. (see Fig. 2 for location of void)
3. Position the loop of the harness back strap so it falls between the outermost and center loop on the saddle leg pad.
4. Pass the leg strap with the fold facing towards the pad through the loop on the harness back strap and the outermost loop on the saddle leg pad.
5. Place the elastic keeper on the leg strap.
6. Connect the tab end of the quick connect buckle to the receptor end.
7. Weave the leg strap through the tab end of the quick connect buckle as shown in Fig. 3. Under the slide bar and up through the front slot, then over the slide bar and down through the rear slot.
8. Tuck the loose end of the leg strap into the elastic keeper.
9. Repeat the above procedure for the left side of harness.



Front Side Attachment

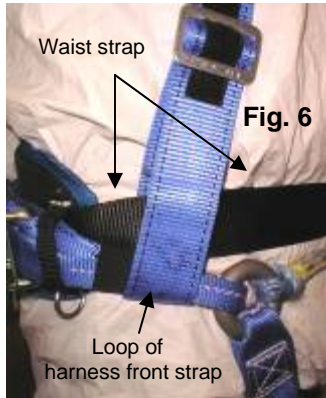
1. Working with the main body section facing you and on the right side, remove the suspension adjustment strap from the friction buckle and pull the strap through the slot of the D-ring, nylon strap keeper.
2. Remove suspension strap from the ring of the suspension assembly.
3. With the adjustment buckles of the harness front strap facing toward the front of the saddle, insert the suspension adjustment strap through the loop on the harness front strap.
4. Pass the suspension adjustment strap through the ring with the suspension bridge, ensuring the strap is passed through the bottom side of the ring when the white thread of the ring assembly is facing up (see Fig. 4).
5. Pass the suspension adjustment strap through the loop on the harness front strap and then through the elastic keeper.
6. Pass the suspension adjustment strap through the nylon strap keeper and slot of the D-ring and weave it through the friction buckle as shown in Fig 5.



7. Tuck the loose end of the suspension adjustment strap into the elastic keepers on the main body section.
8. Repeat this procedure for the left side of harness.

NOTE: When wearing the Glide Saddle with a harness, ensure the waist strap is captured in the loops of the harness front straps as shown in Fig. 6.

Your Buckingham Glide Series Harness is now fully attached to the Glide Saddle and ready for use. Ensure your saddle / harness is assembled as shown below.



BUCKINGHAM MFG. CO., INC.
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Information contained in these written instructions supersedes all other information (written, audio, video etc.) produced by Buckingham Mfg. prior to the revision date of this document.