



**Instructions for the following series products:**

ExoFit Full Body Harnesses

***(See back pages for specific model numbers.)***

*This manual is intended to meet the Manufacturer's Instructions as required by ANSIZ359.1 and should be used as part of an employee training program as required by OSHA.*



**EXOFIT™**  
**EXOFIT™ XP**



**WARNING:** *This product is part of a personal fall arrest, restraint, work positioning, personnel riding, climbing, or rescue system. The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.*

**IMPORTANT:** *If you have questions on the use, care, or suitability of this equipment for your application, contact DBI/SALA.*

**IMPORTANT:** *Before using this equipment, record the product identification information from the ID label in the inspection and maintenance log in section 9.0 of this manual.*

## **DESCRIPTIONS**

**ExoFit Vest Style Full Body Harness:** See Figure 1.

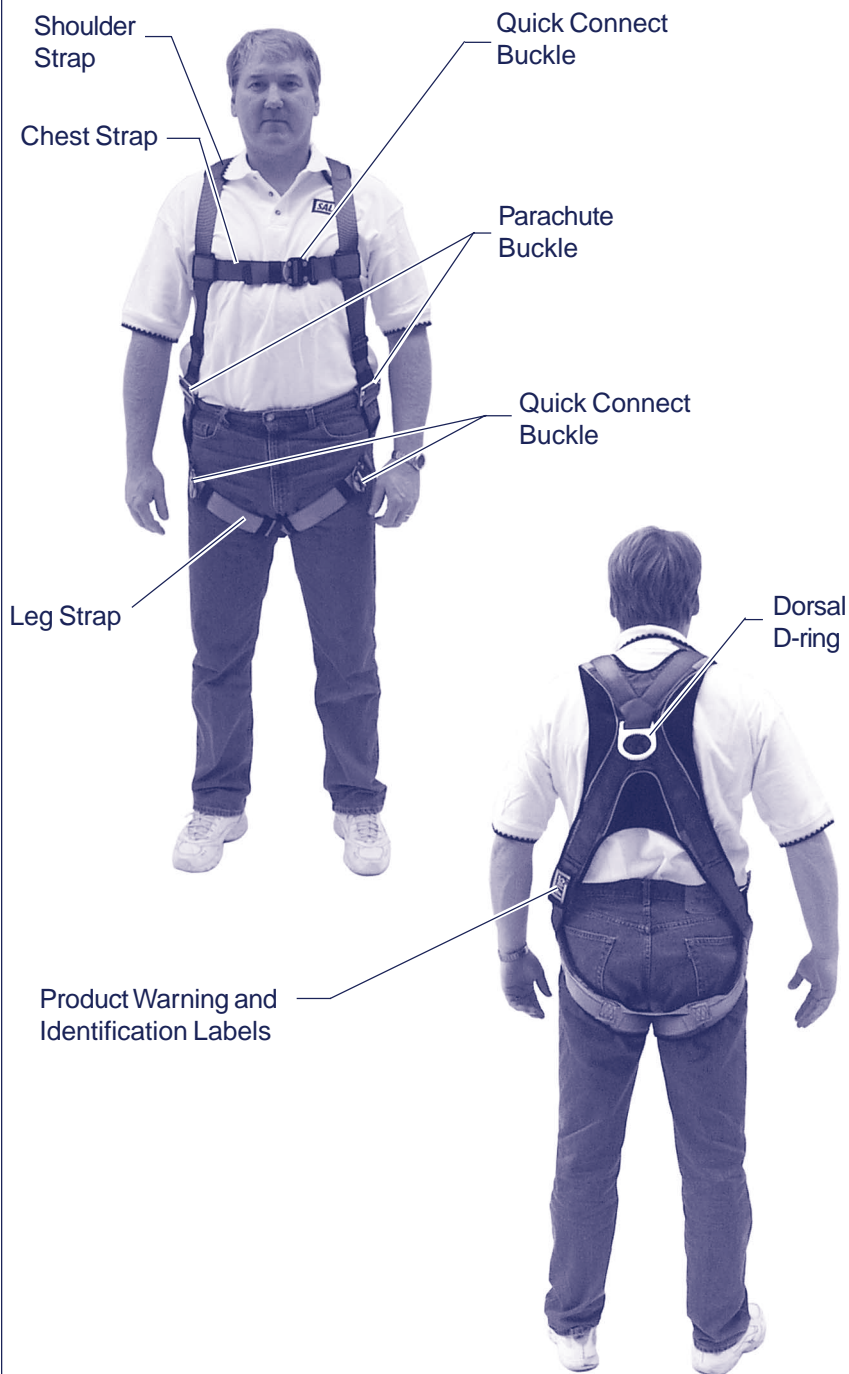
**ExoFit Cross-Over Style Full Body Harness:** See Figure 2.

### **OPTIONS:**

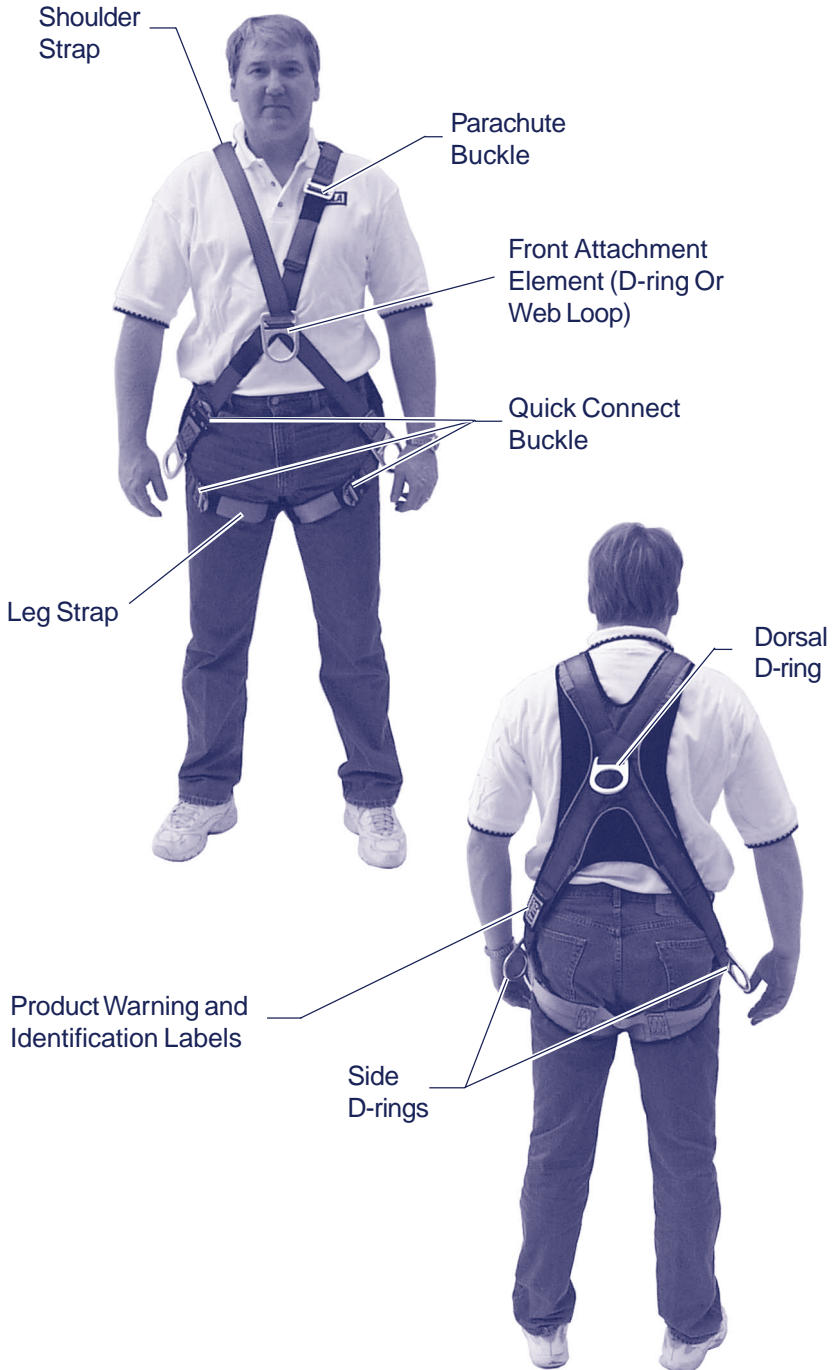
**DBI/SALA ExoFit and ExoFit XP Full Body Harnesses are available with options and accessories. Following is a partial list of commonly used options and accessories (some options may not be available on all harnesses):**

- Side D-rings
- Front D-rings
- Hip pad with side D-rings
- Tongue buckle body belt
- Lanyard attached directly to D-ring or attachment element

**Figure 1 - ExoFit Vest Style Full Body Harness**



**Figure 2 - ExoFit Cross-Over Style Full Body Harness**



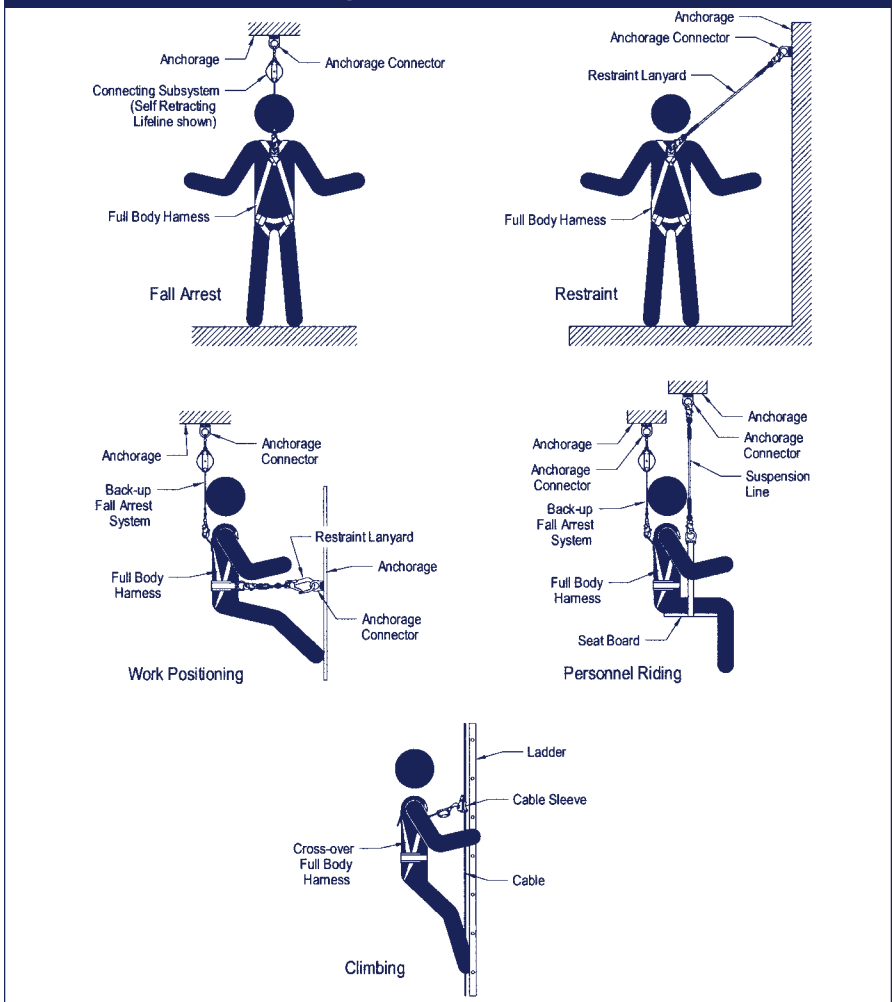
## 1.0 APPLICATIONS

**1.1 PURPOSE:** DBI/SALA ExoFit and ExoFit XP full body harnesses are to be used as components in personal fall arrest, restraint, work positioning, personnel riding, climbing, or rescue systems. See Figures 1 and 2 for harness style.

Harnesses included in this manual are full body harnesses and meet ANSI Z359.1 and OSHA requirements. See Figure 3 for application illustrations.

- A. PERSONAL FALL ARREST:** The full body harness is used as a component of a personal fall arrest system. Personal fall arrest systems typically include a full body harness and a connecting subsystem (energy absorbing lanyard). Maximum arresting force must not exceed 1,800 lbs.
- B. RESTRAINT:** The full body harness is used as a component of a restraint system to prevent the user from reaching a fall hazard. Restraint systems typically include a full body harness and a lanyard or restraint line.
- C. WORK POSITIONING:** The full body harness is used as a component of a work positioning system to support the user at a work position. Work positioning systems typically include a full body harness, positioning lanyard, and a back-up personal fall arrest system.
- D. PERSONNEL RIDING:** The full body harness is used as a component of a personnel riding system to suspend or transport the user vertically. Personnel riding systems typically include a full body harness, boatswain's chair or seat board, and a back-up personal fall arrest system.
- E. CLIMBING:** The full body harness is used as a component of a climbing system to prevent the user from falling when climbing a ladder or other climbing structure. Climbing systems typically include a full body harness, vertical cable or rail attached to the structure, and climbing sleeve.
- F. RESCUE:** The full body harness is used as a component of a rescue system. Rescue systems are configured depending on the type of rescue.

**Figure 3 - Applications**



**1.2 LIMITATIONS:** Consider the following application limitations before using this equipment:

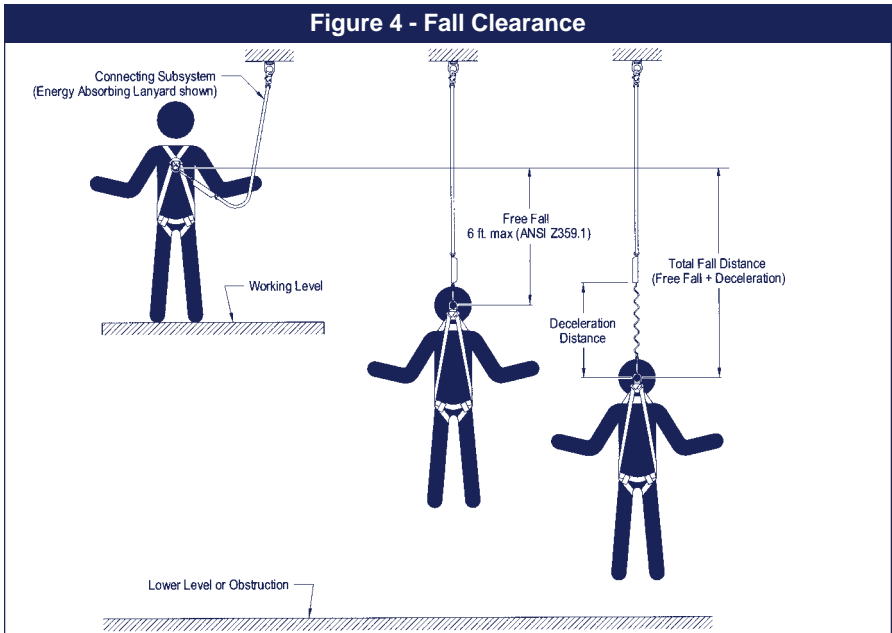
- A. CAPACITY:** These full body harnesses are designed for use by persons with a combined weight (clothing, tools, etc.) of no more than 420 lbs. Make sure all of the components in your system are rated to a capacity appropriate to your application.
- B. FREE FALL:** Personal fall arrest systems used with this equipment must be rigged to limit the free fall to 6 feet (ANSI Z359.1). Restraint systems must be rigged so that no vertical free fall is possible. Work positioning systems must be rigged so that free fall is limited to two feet or less. Personnel

riding systems must be rigged so that no vertical free fall is possible. Climbing systems must be rigged so that free fall is limited to 18 inches or less. Rescue systems must be rigged so that no vertical free fall is possible. See subsystem manufacturer's instructions for more information.

**C. FALL CLEARANCE:** See Figure 4. There must be sufficient clearance below the user to arrest a fall before the user strikes the ground or other obstruction. The clearance required is dependent on the following factors:

- Elevation of anchorage
- Deceleration distance
- Worker height
- Connecting subsystem length
- Free fall distance
- Movement of harness attachment element

See subsystem manufacturer's instructions for more information.



**D. SWING FALLS:** See Figure 5. Swing falls occur when the anchorage point is not directly above the point where a fall occurs. The force of striking an object in a swing fall may cause serious injury or death. Minimize swing falls by working as close to the anchorage point as possible. Do not permit a swing fall if injury could occur. Swing falls will significantly increase the clearance required when a self retracting lifeline or other variable length connecting subsystem is used.



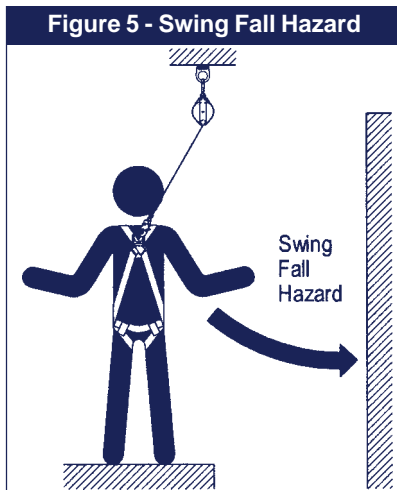
**E. EXTENDED SUSPENSION:**

A full body harness is not intended for use in extended suspension applications. If the user is going to be suspended for an extended length of time it is recommended that some form of seat support be used. DBI/SALA recommends a seat board, suspension workseat, seat sling, or a boatswain chair. Contact DBI/SALA for more information on these items.

**F. ENVIRONMENTAL HAZARDS:**

Use of this equipment in areas with environmental hazards may require additional precautions to prevent injury to the user or damage to the equipment. Hazards may include, but are not limited to; heat, chemicals, corrosive environments, high voltage power lines, gases, moving machinery, and sharp edges.

**G. TRAINING:** This equipment must be installed and used by persons trained in its correct application and use. See section 4.0.



**IMPORTANT:** When working with tools, materials, or in high temperature environments, ensure that associated fall protection equipment can withstand high temperatures, or provide protection for those items.

**1.3 APPLICABLE STANDARDS:** Refer to national standards, including ANSI Z359.1 and local, state, and federal requirements for more information on personal fall arrest systems and associated components.

## **2.0 SYSTEM REQUIREMENTS**

**2.1 COMPATIBILITY OF COMPONENTS:** DBI/SALA equipment is designed for use with DBI/SALA approved components and subsystems only. Substitutions or replacements made with non-approved components or subsystems may jeopardize compatibility of equipment and may effect the safety and reliability of the complete system.

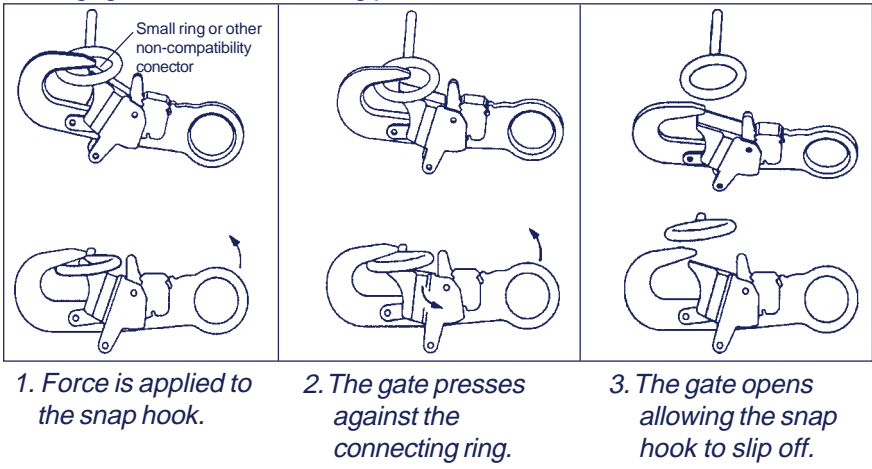
**2.2 COMPATIBILITY OF CONNECTORS:** Connectors are considered to be compatible with connecting elements when they have been designed to work together in such a way that their sizes and shapes do not cause their gate mechanisms to inadvertently open regardless

of how they become oriented. Contact DBI/SALA if you have any questions about compatibility.

Connectors ( hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs. (22.2kN). Connectors must be compatible with the anchorage or other system components. Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage. See Figure 6. Connectors must be compatible in size, shape, and strength. Self locking snap hooks and carabiners are required by ANSI Z359.1 and OSHA.

**Figure 6 - Unintentional Disengagement (Roll-out)**

If the connecting element that a snap hook (shown) or carabiner attaches to is undersized or irregular in shape, a situation could occur where the connecting element applies a force to the gate of the snap hook or carabiner. This force may cause the gate (of either a self-locking or a non-locking snap hook) to open, allowing the snap hook or carabiner to disengage from the connecting point.



**2.3 Making Connections:** Only use self-locking snap hooks and carabiners with this equipment. Only use connectors that are suitable to each application. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Ensure all connectors are fully closed and locked.

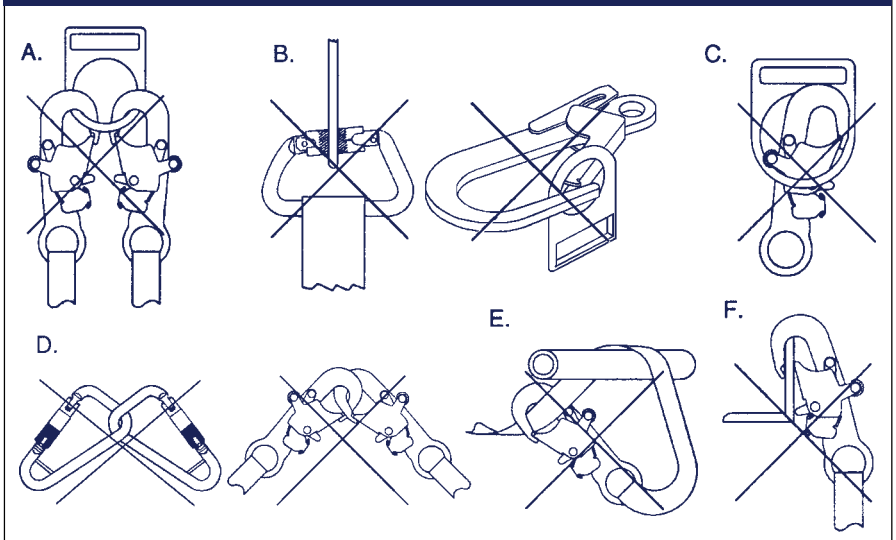
DBI/SALA connectors (snap hooks and carabiners) are designed to be used only as specified in each product's user's instructions. See Figure 7 for inappropriate connections. DBI/SALA snap hooks and carabiners should not be connected:

- A. To a D-ring to which another connector is attached.
- B. In a manner that would result in a load on the gate.

**NOTE:** Large throat opening snap hooks should not be connected to standard size D-rings or similar objects which will result in a load on the gate if the hook or D-ring twists or rotates. Large throat snap hooks are designed for use on fixed structural elements such as rebar or cross members that are not shaped in a way that can capture the gate of the hook.

- C. In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor and without visual confirmation seems to be fully engaged to the anchor point.
- D. To each other.
- E. Directly to webbing or rope lanyard or tie-back (unless the manufacturer's instructions for both the lanyard and connector specifically allows such a connection).
- F. To any object which is shaped or dimensioned such that the snap hook or carabiner will not close and lock, or that roll-out could occur.

**Figure 7 - Inappropriate Connections**

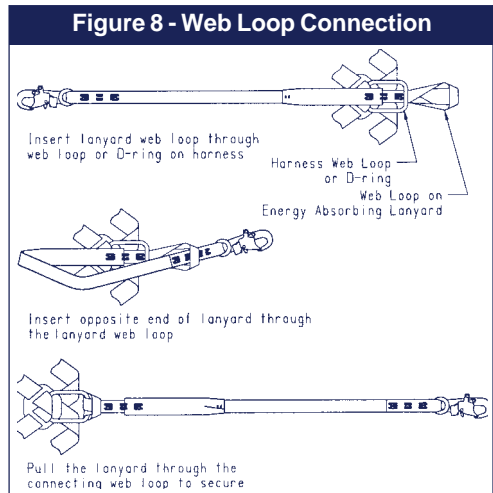


**2.4 CONNECTING SUBSYSTEMS:** Connecting subsystems (self retracting lifeline, lanyard, rope grab and lifeline, cable sleeve) must be suitable for your application. See section 1.1. See subsystem manufacturer's instructions for more information. Some harness models have web loop connection points. Do not use snap hooks to connect to web loops. Use a self locking carabiner to connect to a web loop. Ensure the carabiner cannot cross-gate load (load against the gate rather than along the backbone of the carabiner). Some lanyards are designed to choke onto a web loop to provide a compatible

connection. See Figure 8. Lanyards may be sewn directly to the web loop forming a permanent connection. Do not make multiple connections onto one web loop, unless choking two lanyards onto a properly sized web loop.

## 2.5 ANCHORAGE

**STRENGTH:** The anchorage strength required is dependent on the application. Following are anchorage strength requirements for specific applications:



**A. FALL ARREST:** The structure to which the personal fall arrest system is attached must sustain static loads applied in the directions permitted by the fall arrest system of at least: 3,600 lbs. with certification of a qualified person, or 5,000 lbs. without certification. See ANSI Z359.1 for certification definition. When more than one personal fall arrest system is attached to an anchorage, the strengths stated above must be multiplied by the number of personal fall arrest systems attached to the anchorage.

From OSHA 1926.500 and 1910.66: Anchorages used for attachment of a personal fall arrest system shall be independent of any anchorage being used to support or suspend platforms, and must support at least 5,000 lbs. per user attached; or be designed, installed, and used as part of a complete personal fall arrest system which maintains a safety factor of at least two, and is supervised by a qualified person.

**B. RESTRAINT:** The structure to which the restraint system is attached must sustain static loads applied in the directions permitted by the restraint system of at least 3,000 lbs. When more than one restraint system is attached to an anchorage, the strengths stated above must be multiplied by the number of restraint systems attached to the anchorage.

**C. WORK POSITIONING:** The structure to which the work positioning system is attached must sustain static loads applied in the directions permitted by the work positioning system of at least 3,000 lbs., or twice the potential impact load, whichever is greater. See OSHA 1926.502. When more than one work positioning

system is attached to an anchorage, the strengths stated above must be multiplied by the number of work positioning systems attached to the anchorage.

- D. **PERSONNEL RIDING:** The structure to which the personnel riding system is attached must sustain static loads applied in the directions permitted by the personnel riding system of at least 2,500 lbs. When more than one personnel riding system is attached to an anchorage, the strengths stated above must be multiplied by the number of personnel riding systems attached to the anchorage.
- E. **CLIMBING:** The structure to which a climbing system is attached must sustain the loads required by that particular system. See instructions for climbing system for requirements.
- F. **RESCUE:** The structure to which the rescue system is attached must sustain static loads applied in the directions permitted by the rescue system of at least 2,500 lbs. When more than one rescue system is attached to an anchorage, the strengths stated above must be multiplied by the number of rescue systems attached to the anchorage.

### 3.0 **DONNING AND USE**

**WARNING:** Do not alter or intentionally misuse this equipment. Consult DBI/SALA when using this equipment in combination with components or subsystems other than those described in this manual. Some subsystem and component combinations may interfere with the operation of this equipment. Use caution when using this equipment around moving machinery, electrical and chemical hazards, and sharp edges.

**WARNING:** Consult your doctor if there is reason to doubt your fitness to safely absorb the shock from a fall arrest. Age and fitness seriously affect a worker's ability to withstand falls. Pregnant women or minors must not use DBI/SALA full body harnesses.

- 3.1 **BEFORE EACH USE** of this equipment inspect it according to section 5.0 of this manual.
- 3.2 **PLAN** your system before use. Consider all factors that will affect your safety during use of this equipment. The following list gives important points to consider when planning your system:
  - A. **ANCHORAGE:** Select an anchorage that meets the requirements specified in sections 1.2 and 2.5.

- B. SHARP EDGES:** Avoid working where system components may be in contact with, come in contact with, or abrade against, unprotected sharp edges.
- C. AFTER A FALL:** Components which have been subjected to the forces of arresting a fall must be removed from service and destroyed.
- D. RESCUE:** The employer must have a rescue plan when using this equipment. The employer must have the ability to perform a rescue quickly and safely.

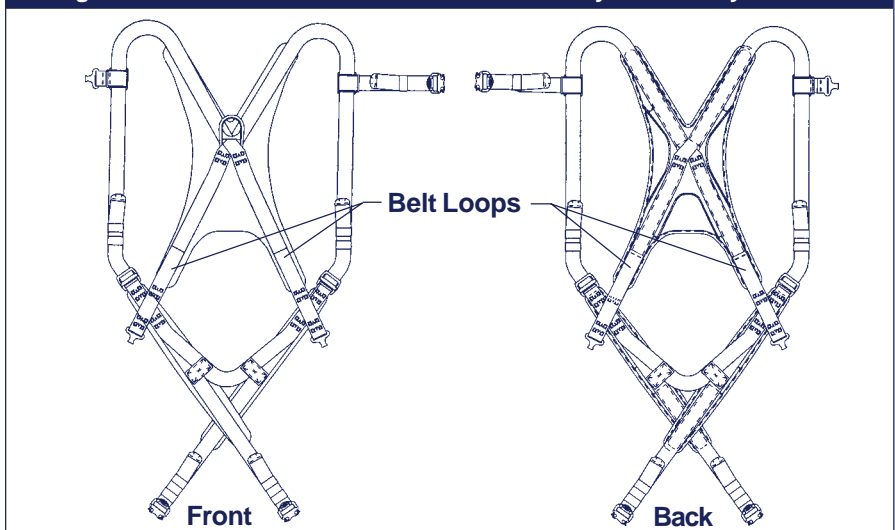
### 3.3 DONNING AND FITTING THE HARNESS:

- A. ExoFit Vest Style Full Body Harness:** See Figure 9 for front and back views of the ExoFit Vest style full body harness. Your harness incorporates loops for a removable waist belt. The belt can be installed through the two loops in the harness located in the lower back shoulder straps. The belt will pass through the harness just below the padded area. The hip pad, if used, is secured to the belt by passing the belt through the hip pad loops.

Don the ExoFit Vest style full body harness by following these steps (see Figures 10 and 11):

- Step 1.** Locate back D-ring held in position by the D-ring pad; lift up harness and hold by this D-ring. Ensure the straps are not twisted.
- Step 2.** Grasp shoulder straps and slip harness onto one arm. D-ring will be located on your back side. Ensure straps are not tangled

**Figure 9 - Front and Back View of ExoFit Vest Style Full Body Harness**



and hang freely. Slip free arm into harness and position the shoulder straps on top of shoulder. Ensure the straps are not tangled and hang freely. The chest strap with quick connect buckle will be positioned on front side when worn properly.

**Step 3.** Reach between your legs and grasp the gray leg strap on your left side. Bring the strap up between your legs and connect it by inserting the tab of the buckle into receptor of quick connect buckle on the left side as shown in Figure 10. You will hear a click when the tab engages properly. Connect the right leg strap using the same procedure. Pull the free end of the strap away from the buckle to make a snug fit on each leg strap. To loosen the leg strap, grasp the yellow plastic portion of the buckle and pull away from your leg to allow the strap to pull through the buckle. A plastic end keeper on the end of the strap will stop it from pulling completely out of the buckle. To release the buckle, press the silver-colored tabs on the buckle towards each other with one hand, while pulling on the tab portion to the buckle with the other hand.

**Step 4.** Attach the chest strap by inserting the tab of the buckle into receptor of quick connect buckle. You will hear a click when the tab engages properly. Chest strap should be six inches down from the top of shoulders. Pass excess strap through the loop keepers. The strap may be tightened to a snug fit by pulling the free strap end to the left (away from the buckle). To loosen the chest strap, grasp the yellow plastic portion of the buckle and pull away from the body to allow the strap to pull through the buckle. A plastic end keeper on the end of the strap will stop it from pulling completely out of the buckle. To release the buckle, press the silver-colored tabs on the buckle towards each other with one hand, while pulling on the tab portion to the buckle with the other hand.

**Step 5.** Adjust shoulder straps to a snug fit by pulling excess strap through the parachute buckles on each side of the harness. Left and right sides of shoulder straps should be adjusted to the same length and the chest strap should be centered on your lower chest, six inches down from shoulder. The front D-ring on vest style harness is moved up or down by adjusting the shoulder straps and leg straps. Center the back D-ring between shoulder blades. Note: On ExoFit XP models, the back (dorsal) D-ring can be repositioned up or down as needed for a correct fit. Adjust leg straps to a snug fit. At least three inches of webbing must extend past buckle on leg straps. Adjust the waist belt (if present).



**Figure 10 - Donning ExoFit Vest Style Full Body Harness**



**Step 1**



**Step 2**



**Step 4**



**Step 3**



**Step 5**



**Figure 11 - ExoFit Quick Connect Buckle Connections**



**Chest Strap:** Attach chest strap by inserting the tab of the buckle into the receptor of the quick connect buckle until a click is heard

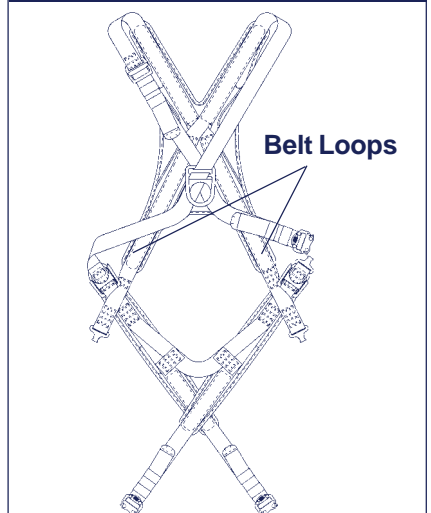


**Leg Straps:** Attach leg strap by inserting the tab of the buckle into the receptor of the quick connect buckle until a click is heard

**B. ExoFit Cross-Over Style Full Body Harness:** Your harness incorporates loops for a removable waist belt. The belt can be installed through the two loops in the harness located in the lower back shoulder straps, see Figure 12. The belt will pass through the harness just below the padded area. The hip pad, if used, is secured to the belt by passing the belt through the hip pad loops. Don the ExoFit Cross-Over style full body harness by following these steps (see Figures 13 and 14):

- Step 1.** Locate the back D-ring held in position by the D-ring pad; lift up the harness and hold by this D-ring. Ensure the straps are not twisted.
- Step 2.** Grasp the shoulder straps between the back and front D-ring and slip harness over your head from the left side. Position shoulder straps on top of shoulders. Ensure straps are not tangled and hang freely. The D-ring will be positioned on your back when worn properly.
- Step 3.** Grasp the tab of the buckle located at your right hip and insert it into the receptor of the quick connect buckle, see Figure 13. You will hear a click when the tab engages properly.
- Step 4.** Reach between your legs and grasp the gray leg strap on your left side. Bring the strap up

**Figure 12 - ExoFit Cross-Over Style**



between your legs and insert the tab of the buckle into receptor of the buckle on the left side as shown in Figure 13. You will hear a click when the tab engages properly. Connect the right leg strap using the same procedure. Pull the free end of the strap away from the buckle to make a snug fit on each leg strap. To loosen the leg strap, grasp the yellow plastic portion of the buckle and pull away from your leg to allow the strap to pull through the buckle. A plastic end keeper on the end of the strap will stop it from pulling completely out of the buckle. To release the buckle, press the silver-colored tabs on the buckle towards each other with one hand, while pulling on the tab portion to the buckle with the other hand.

**Step 5.** Adjust shoulder strap to a snug fit by pulling excess strap through the parachute buckle. Left and right sides of shoulder straps should be adjusted to the same length and the front D-ring should be centered on your lower chest. The back D-ring should be centered between your shoulder blades. Note: On ExoFit XP models, the back (dorsal) D-ring can be repositioned up or down as needed for a correct fit. Adjust leg straps to a snug fit. At least three inches of webbing must extend past buckle on leg straps. Adjust the waist belt (if present).

**3.4 USE OF FALL ARREST D-RING OR ATTACHMENT ELEMENT:** For fall protection applications connect to the D-ring or attachment element on your back, between your shoulder blades. Side D-rings, if present, are for positioning or restraint applications only. Front D-ring, if present, is for ladder climbing or positioning. For rescue, back or front D-rings may be used. D-rings on seat sling are for work positioning or personnel riding.

**3.5 MAKING CONNECTIONS:** When using a hook to connect to an anchorage or when coupling components of the system together, ensure roll-out cannot occur. Roll-out occurs when interference between the hook and mating connector causes the hook gate to unintentionally open and release. Self locking snap hooks and carabiners should be used to reduce the possibility of roll-out. Do not use hooks or connectors that will not completely close over the attachment object. See subsystem manufacturer's instructions for more information on making connections.

**3.6 CONNECTING SYSTEM COMPONENTS:** After properly fitting the full body harness, the user may then connect to other system components. Follow the guidelines in section 3.4 on selecting the correct attachment element.

**Figure 13 - Donning ExoFit Cross-Over Style Full Body Harness**



**Step 1**



**Step 2**



**Step 3**



**Step 4**



**Step 5**

**Figure 14 - ExoFit Quick Connect Buckle Connections**



**Hip Strap:** Attach chest strap by inserting the tab of the buckle into the receptor of the quick connect buckle until a click is heard



**Leg Straps:** Attach leg strap by inserting the tab of the buckle into the receptor of the quick connect buckle until a click is heard

## **4.0 TRAINING**

- 4.1** It is the responsibility of the purchaser and the user of this equipment to assure that they understand these instructions and are trained in the correct care and use of this equipment. They must also be aware of the operating characteristics, application limits, and the consequences of improper use of this equipment.

**IMPORTANT:** Training must be conducted without exposing the user to a fall hazard. Training should be repeated on a periodic basis.

## **5.0 INSPECTION**

### **5.1 FREQUENCY:**

- A.** Before each use inspect the full body harness according to sections 5.2 and 5.3.
- B.** The harness must be inspected by a competent person, other than the user, at least annually.

Record the results of each formal inspection in the inspection and maintenance log in section 9.0.

**IMPORTANT:** If the full body harness has been subjected to fall arrest or impact forces it must be immediately removed from service and destroyed.

**IMPORTANT:** Extreme working conditions (harsh environments, prolonged use, etc.) may require increasing the frequency of inspections.

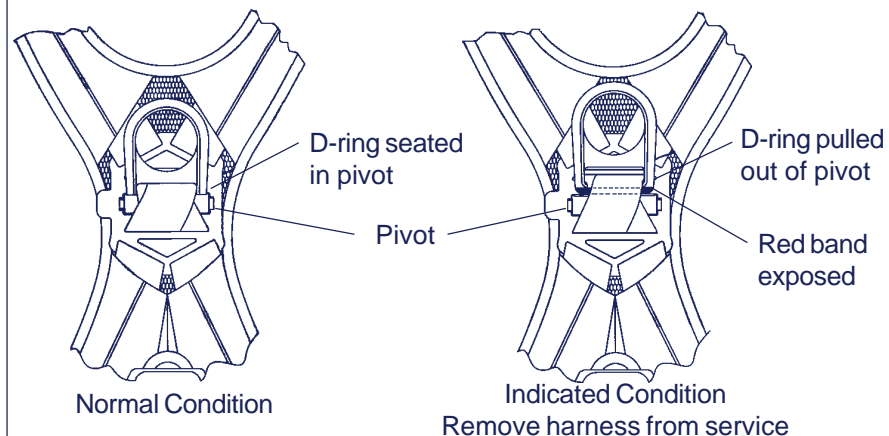
### **5.2 INSPECTION STEPS:**

- Step 1.** Inspect harness hardware (buckles, D-rings, back pad, loop keepers); These items must not be damaged, broken,

distorted, and must be free of sharp edges, burrs, cracks, worn parts, or corrosion. PVC coated hardware must be free of cuts, rips, tears, holes, etc. in the coating to ensure non-conductivity. Ensure that the release tabs of the buckle work freely and that a click is heard when the buckle engages. Inspect parachute buckle spring.

- Step 2.** Inspect webbing; material must be free of frayed, cut, or broken fibers. Check for tears, abrasions, mold, burns, or discoloration. Inspect stitching; Check for pulled or cut stitches. Broken stitches may be an indication that the harness has been impact loaded and must be removed from service. When performing the annual formal inspection on the XP models of the ExoFit harness, remove the back pad and leg strap pads to facilitate inspection of the webbing.
- Step 3.** Inspect the labels: All labels should be present and fully legible. See section 8.0.
- Step 4.** Inspect each system component or subsystem according to manufacturer's instructions.
- Step 5.** Record the inspection date and results in the inspection and maintenance log in section 9.0.
- Step 6.** On the XP models of the ExoFit, inspect the impact indicator: See Fig 15. If the dorsal D-ring of the harness has experienced an impact, a red-colored area at the base of the D-ring will become visible and indicate that an impact has occurred. The impact indicator cannot be reset and the harness must be removed from service and destroyed.

**Figure 15 - Impact Indicator**



**5.3** If inspection reveals a defective condition, remove the unit from service immediately and destroy it.

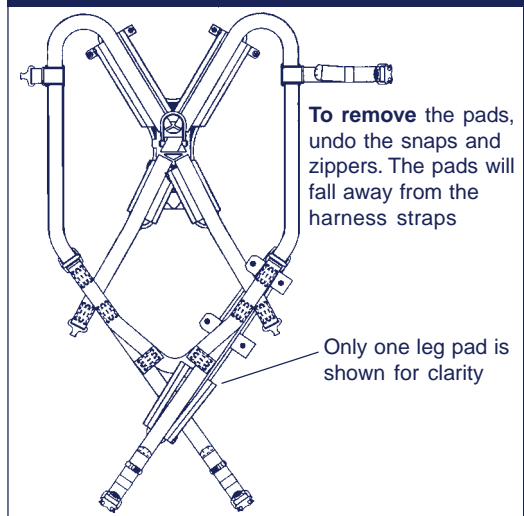
**NOTE:** Only DBI/SALA or parties authorized in writing may make repairs to this equipment.

## **6.0 MAINTENANCE, SERVICING, STORAGE**

**6.1** Spot clean the ExoFit full body harness with water and a mild soap solution. The harness may be laundered by using a bleach-free detergent. Water temperature for wash and rinse must not exceed 160° F (70° C). To launder the ExoFit XP, remove the pads as indicated in Figure 16. Place the harness in the supplied laundry bag. The bag is designed to prevent entanglement of harnesses and to protect the washing machine from damage. Use of the laundry bag to wash the pads is optional. Use a bleach-free detergent when washing both the harness and the pads. Harness and pads may be air dried or

tumble dry on low heat (not greater than 200° F (90° C)). Replace the pads before using the harness. See Figures 17 and 18. An excessive buildup of dirt, paint, etc. may prevent the full body harness from working properly, and in severe cases degrade the webbing to a point

**Figure 16 - Removing ExoFit XP Pads**

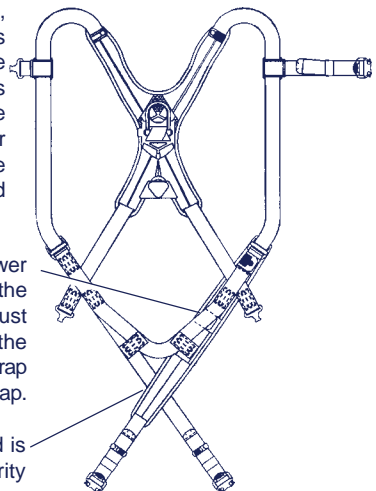


**Figure 17 - Replacing ExoFit XP Pads**

**To replace** the pads, lay out the harness as shown and place the pads under the straps then wrap the zippered flaps over the straps and close the snaps and zippers.

**Note:** The lower snap closure on the leg strap pad must connect between the layers of the leg strap and the seat strap.

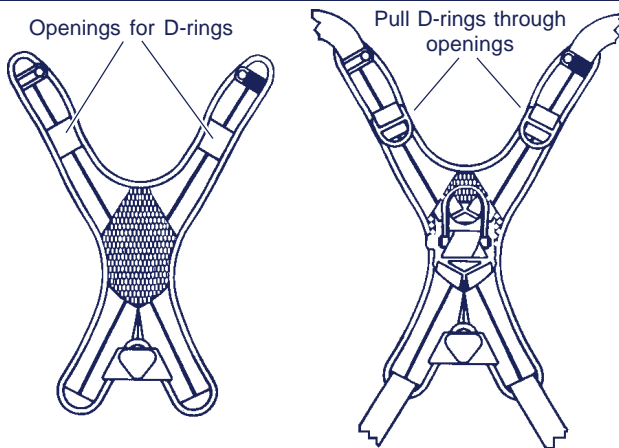
Only one leg pad is shown for clarity



where it weakens and should be removed from service. More information on cleaning is available from DBI/SALA. If you have questions concerning the condition of your harness, or have any doubt about putting it into service contact DBI/SALA.

- 6.2** Additional maintenance and servicing procedures must be completed by a factory authorized service center. Authorization must be in writing. Do not attempt to disassemble the unit.

**Figure 18 - Retrieval Harness D-rings**



The retrieval harness pads have openings for the shoulder D-rings. When replacing the pads, make sure the D-rings are located on the shoulder straps so that they protrude through the openings and are available for connecting retrieval systems to.

- 6.3** Store the full body harnesses in a cool, dry, clean environment out of direct sunlight. Avoid areas where chemical vapors may exist. Thoroughly inspect the full body harness after extended storage.

## **7.0 SPECIFICATIONS**

- **Maximum Free Fall Distance:** No greater than 6 feet, per federal law and ANSI Z359.1.
- **Maximum Arresting Force:** 1,800 lbs.
- **Maximum Capacity:** 420 lbs.
- **Approximate Weight:**
  - Harness only:** 3 lbs.
  - Harness with Side D-rings:** Add 1/2 lb.
  - Harness with Front D-ring:** Add 1/4 lb.
  - Harness with Back Pad or Belt:** Add 1 lb.
- XP model pad materials: nylon and polyester.
- ExoFit Patent No.: USD454,986S. Other patents pending.
- All harnesses meet ANSI Z359.1 and OSHA requirements.



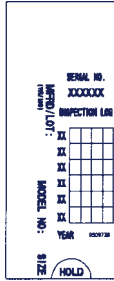
# 8.0 LABELING

8.1 Labels are enclosed in an attached fabric wrap located on the back right shoulder strap as the harness is being worn. If a waist belt is to be worn with the harness, be careful not to enclose the belt loop when closing the wrap.

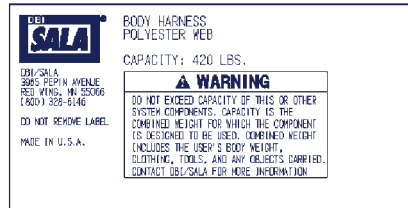
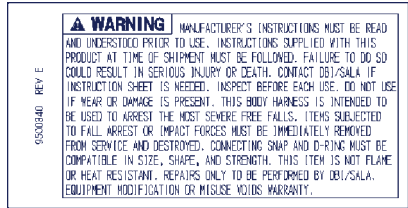
These labels must be securely attached to the harness and fully legible:



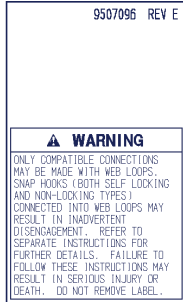
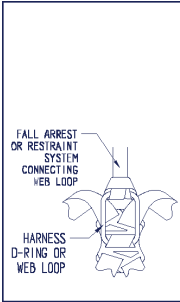
Size Label



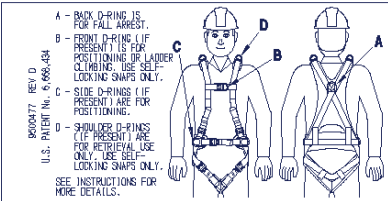
Inspection Label



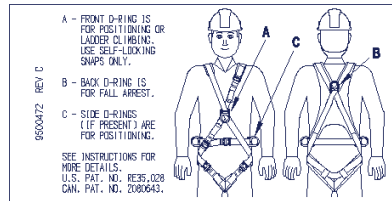
Warning Label



Web Loop Harness Label



Cover/Instruction Label  
Vest Style



Cover/Instruction Label  
Cross-Over Style



# 9.0 INSPECTION AND MAINTENANCE LOG

**SERIAL NUMBER:** \_\_\_\_\_

**MODEL NUMBER:** \_\_\_\_\_

**DATE PURCHASED:** \_\_\_\_\_

| INSPECTION DATE    | INSPECTION ITEMS NOTED | CORRECTIVE ACTION | MAINTENANCE PERFORMED |
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# 9.0 INSPECTION AND MAINTENANCE LOG

**SERIAL NUMBER:** \_\_\_\_\_

**MODEL NUMBER:** \_\_\_\_\_

**DATE PURCHASED:** \_\_\_\_\_

| INSPECTION DATE | INSPECTION ITEMS NOTED | CORRECTIVE ACTION | MAINTENANCE PERFORMED |
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# 9.0 INSPECTION AND MAINTENANCE LOG

**SERIAL NUMBER:** \_\_\_\_\_

**MODEL NUMBER:** \_\_\_\_\_

**DATE PURCHASED:** \_\_\_\_\_

| INSPECTION DATE    | INSPECTION ITEMS NOTED | CORRECTIVE ACTION | MAINTENANCE PERFORMED |
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# 9.0 INSPECTION AND MAINTENANCE LOG

**SERIAL NUMBER:** \_\_\_\_\_

**MODEL NUMBER:** \_\_\_\_\_

**DATE PURCHASED:** \_\_\_\_\_

| INSPECTION DATE    | INSPECTION ITEMS NOTED | CORRECTIVE ACTION | MAINTENANCE PERFORMED |
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**This instruction applies to the following models:**

|         |         |         |         |         |         |
|---------|---------|---------|---------|---------|---------|
| 1100160 | 1100160 | 1100160 | 1100160 | 1100693 | 1108508 |
| 1100161 | 1100161 | 1100161 | 1100161 | 1100694 | 1108509 |
| 1100162 | 1100162 | 1100162 | 1100162 | 1100825 | 1108512 |
| 1100163 | 1100163 | 1100163 | 1100163 | 1100826 | 1108513 |
| 1100240 | 1100240 | 1100240 | 1100240 | 1100827 | 1108514 |
| 1100241 | 1100241 | 1100241 | 1100241 | 1100828 | 1108515 |
| 1100300 | 1100300 | 1100300 | 1100300 | 1100829 | 1108521 |
| 1100301 | 1100301 | 1100301 | 1100301 | 1100970 | 1108522 |
| 1100302 | 1100302 | 1100302 | 1100302 | 1100971 | 1108523 |
| 1100303 | 1100303 | 1100303 | 1100303 | 1100972 | 1108524 |
| 1100304 | 1100304 | 1100304 | 1100304 | 1107300 | 1108525 |
| 1100305 | 1100305 | 1100305 | 1100305 | 1107301 | 1108526 |
| 1100306 | 1100306 | 1100306 | 1100306 | 1107302 | 1108527 |
| 1100307 | 1100307 | 1100307 | 1100307 | 1107975 | 1108531 |
| 1100308 | 1100308 | 1100308 | 1100308 | 1107976 | 1108532 |
| 1100375 | 1100375 | 1100375 | 1100375 | 1107976 | 1108533 |
| 1100376 | 1100376 | 1100376 | 1100376 | 1107977 | 1108575 |
| 1100377 | 1100377 | 1100377 | 1100377 | 1107977 | 1108576 |
| 1100378 | 1100378 | 1100378 | 1100378 | 1107981 | 1108577 |
| 1100445 | 1100445 | 1100445 | 1100445 | 1107982 | 1108581 |
| 1100446 | 1100446 | 1100446 | 1100446 | 1107983 | 1108582 |
| 1100525 | 1100525 | 1100525 | 1100525 | 1107985 | 1108583 |
| 1100526 | 1100526 | 1100526 | 1100526 | 1107986 | 1108587 |
| 1100527 | 1100527 | 1100527 | 1100527 | 1107987 | 1108588 |
| 1100528 | 1100528 | 1100528 | 1100528 | 1107988 | 1108600 |
| 1100530 | 1100530 | 1100530 | 1100530 | 1107989 | 1108601 |
| 1100531 | 1100531 | 1100531 | 1100531 | 1107990 | 1108602 |
| 1100532 | 1100532 | 1100532 | 1100532 | 1107991 | 1108606 |
| 1100533 | 1100533 | 1100533 | 1100533 | 1107992 | 1108607 |
| 1100580 | 1100580 | 1100580 | 1100580 | 1107993 | 1108608 |
| 1100581 | 1100581 | 1100581 | 1100581 | 1107994 | 1108612 |
| 1100582 | 1100582 | 1100582 | 1100582 | 1107995 | 1108613 |
| 1100583 | 1100583 | 1100583 | 1100583 | 1107996 | 1108614 |
| 1100640 | 1100640 | 1100640 | 1100640 | 1107997 | 1108615 |
| 1100641 | 1100641 | 1100641 | 1100641 | 1107998 | 1108616 |
| 1100642 | 1100642 | 1100642 | 1100642 | 1107999 | 1108625 |
| 1100685 | 1100685 | 1100685 | 1100685 | 1108500 | 1108626 |
| 1100686 | 1100686 | 1100686 | 1100686 | 1108501 | 1108627 |
| 1100687 | 1100687 | 1100687 | 1100687 | 1108502 | 1108631 |
| 1100688 | 1100688 | 1100688 | 1100688 | 1108503 | 1108632 |
| 1100689 | 1100689 | 1100689 | 1100689 | 1108504 | 1108633 |
| 1100690 | 1100690 | 1100690 | 1100690 | 1108505 | 1108650 |
| 1100691 | 1100691 | 1100691 | 1100691 | 1108506 | 1108651 |
| 1100692 | 1100692 | 1100692 | 1100692 | 1108507 | 1108652 |

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| 1108656 | 1109357 | 1110077 | 1110300 | 1110843 | 1108525C |
| 1108657 | 1109358 | 1110078 | 1110301 | 1110844 | 1108526C |
| 1108658 | 1109375 | 1110100 | 1110302 | 1110845 | 1108527C |
| 1108662 | 1109376 | 1110101 | 1110303 | 1110846 | 1108532C |
| 1108663 | 1109377 | 1110102 | 1110304 | 1110847 | 1110105C |
| 1108664 | 1109378 | 1110103 | 1110305 | 1110848 | 1110106C |
| 1108675 | 1109525 | 1110104 | 1110325 | 1110849 | 1110107C |
| 1108676 | 1109526 | 1110109 | 1110326 | 1110860 | 1110108C |
| 1108677 | 1109700 | 1110125 | 1110327 | 1110861 | 1110500C |
| 1108681 | 1109701 | 1110126 | 1110328 | 1110862 | 1110501C |
| 1108682 | 1109702 | 1110127 | 1110350 | 1110870 | 1110502C |
| 1108683 | 1109703 | 1110128 | 1110351 | 1110871 | 1110503C |
| 1108700 | 1109725 | 1110150 | 1110352 | 1110872 | 1110504C |
| 1108701 | 1109726 | 1110151 | 1110353 | 1110880 |          |
| 1108702 | 1109727 | 1110152 | 1110375 | 1110881 |          |
| 1108704 | 1109728 | 1110153 | 1110376 | 1110882 |          |
| 1108706 | 1109729 | 1110154 | 1110377 | 1110890 |          |
| 1108707 | 1109750 | 1110155 | 1110378 | 1110891 |          |
| 1108708 | 1109751 | 1110156 | 1110400 | 1110892 |          |
| 1108750 | 1109752 | 1110157 | 1110401 | 1110900 |          |
| 1108751 | 1109753 | 1110158 | 1110402 | 1110901 |          |
| 1108752 | 1109754 | 1110159 | 1110403 | 1110902 |          |
| 1108753 | 1109775 | 1110175 | 1110425 | 1110910 |          |
| 1108754 | 1109776 | 1110176 | 1110426 | 1110911 |          |
| 1108755 | 1109800 | 1110177 | 1110427 | 1110912 |          |
| 1108975 | 1109801 | 1110178 | 1110428 | 1110913 |          |
| 1108976 | 1109802 | 1110179 | 1110475 | 1110920 |          |
| 1108977 | 1109803 | 1110200 | 1110476 | 1110921 |          |
| 1108978 | 1109804 | 1110201 | 1110477 | 1110922 |          |
| 1108979 | 1109805 | 1110202 | 1110478 | 1110923 |          |
| 1108980 | 1109806 | 1110203 | 1110479 | 1110960 |          |
| 1109225 | 1109825 | 1110225 | 1110500 | 1110961 |          |
| 1109226 | 1109826 | 1110226 | 1110501 | 1110962 |          |
| 1109227 | 1109827 | 1110227 | 1110502 | 1110970 |          |
| 1109228 | 1109828 | 1110228 | 1110503 | 1110971 |          |
| 1109229 | 1109900 | 1110229 | 1110504 | 1110980 |          |
| 1109230 | 1109901 | 1110250 | 1110525 | 1110981 |          |
| 1109350 | 1109925 | 1110251 | 1110526 | 1110982 |          |
| 1109351 | 1109926 | 1110252 | 1110527 | 1110983 |          |
| 1109352 | 1109927 | 1110253 | 1110528 |         |          |
| 1109353 | 1110000 | 1110275 | 1110550 |         |          |
| 1109354 | 1110001 | 1110276 | 1110840 |         |          |
| 1109355 | 1110075 | 1110277 | 1110841 |         |          |
| 1109356 | 1110076 | 1110278 | 1110842 |         |          |

**Additional model numbers may appear on the next printing of these instructions**



## WARRANTY

Equipment offered by DBI/SALA is warranted against factory defects in workmanship and materials for a period of two years from date of installation or use by the owner, provided that this period shall not exceed two years from date of shipment. Upon notice in writing, DBI/SALA will promptly repair or replace all defective items. DBI/SALA reserves the right to elect to have any defective item returned to its plant for inspection before making a repair or replacement. This warranty does not cover equipment damages resulting from abuse, damage in transit, or other damage beyond the control of DBI/SALA. This warranty applies only to the original purchaser and is the only one applicable to our products, and is in lieu of all other warranties, expressed or implied.



### USA

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Fax: (651) 388-5065  
[www.salagroup.com](http://www.salagroup.com)

### Canada

260 Export Boulevard  
Mississauga, Ontario L5S 1Y9  
Toll Free: 800-387-7484  
Phone: (905) 795-9333  
Fax: (905) 795-8777

This manual is available for download at [www.salagroup.com](http://www.salagroup.com).



Certificate No. FM 39709

Form: 5902159

Rev: E