



Fall Protection

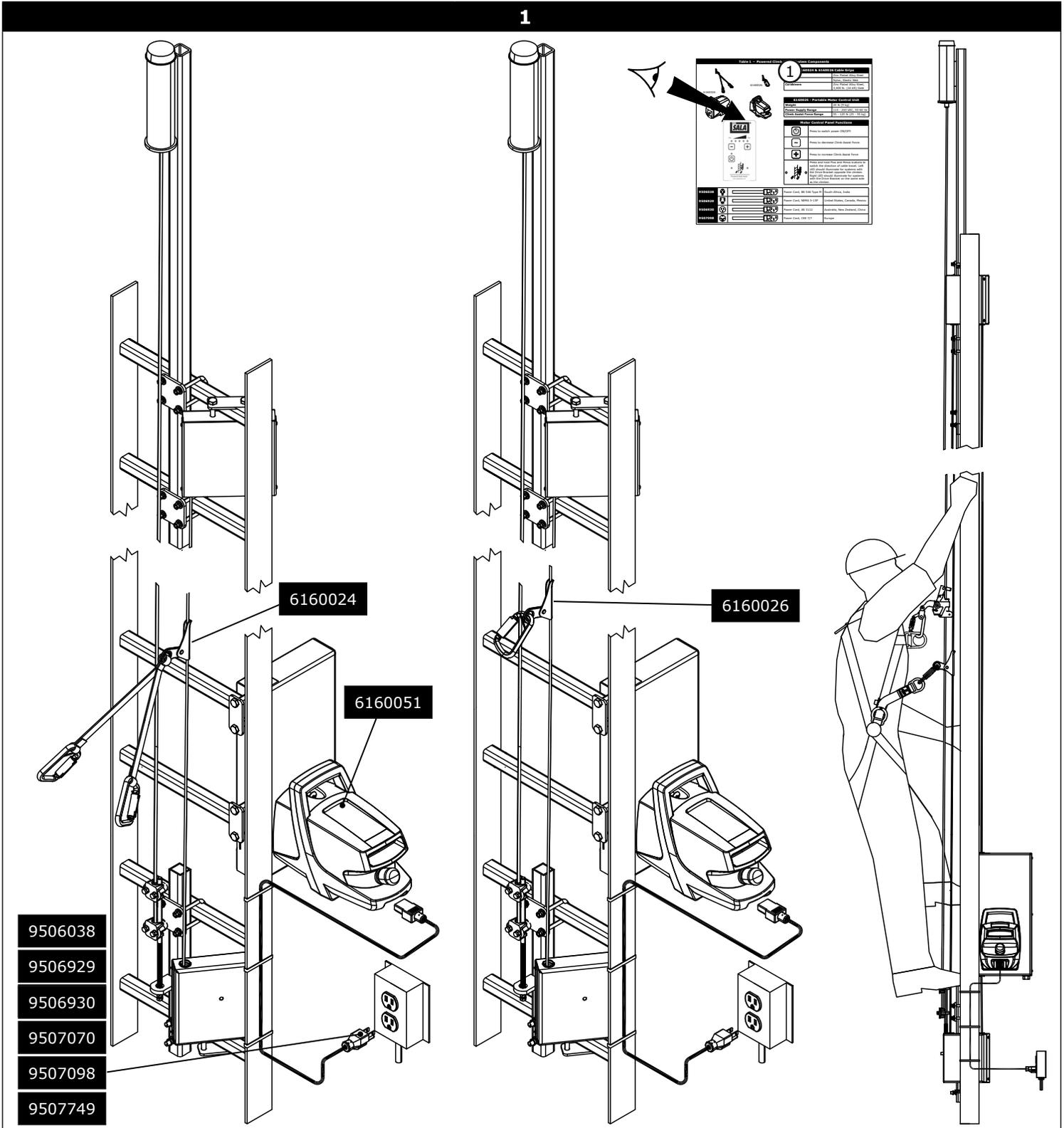
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Electrical Safety	BS EN 60335-1:2002 + A15:2011
EMC	EN 61000-6-1:2007
	EN 61000-6-3:2007 + A1:2011
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User Instruction Manual

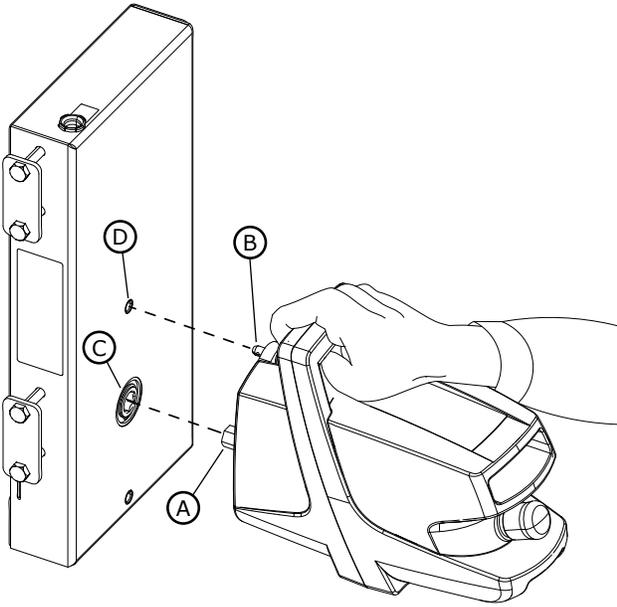
POWERED CLIMB ASSIST SYSTEM

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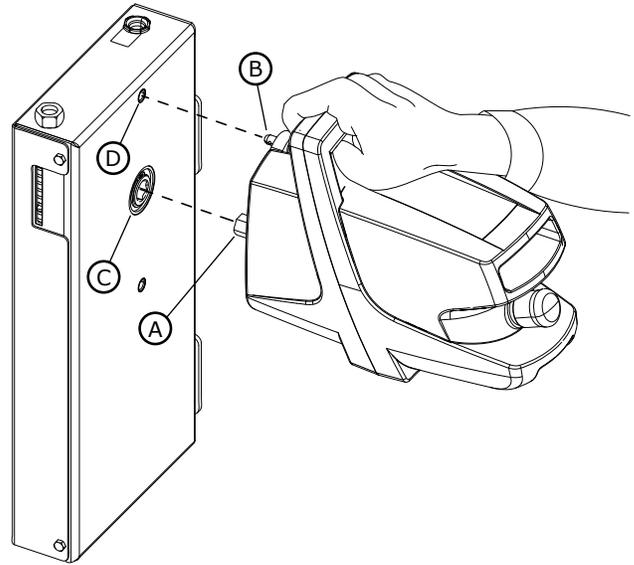


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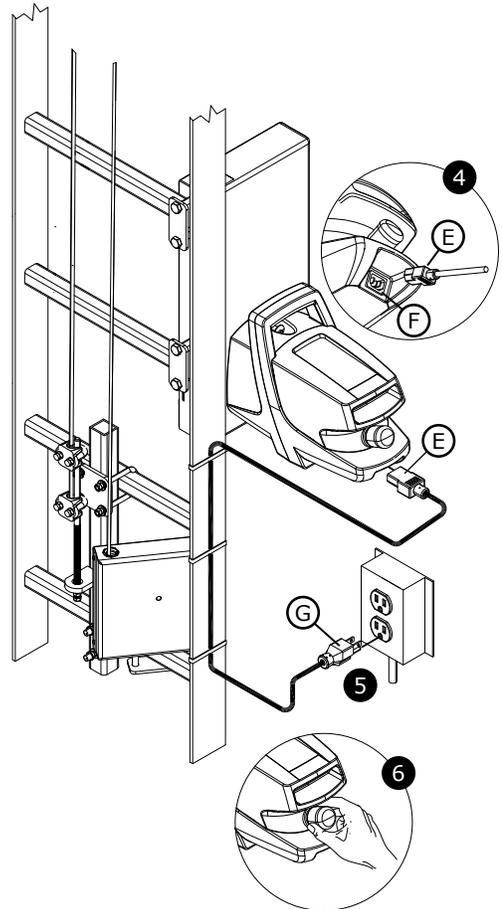
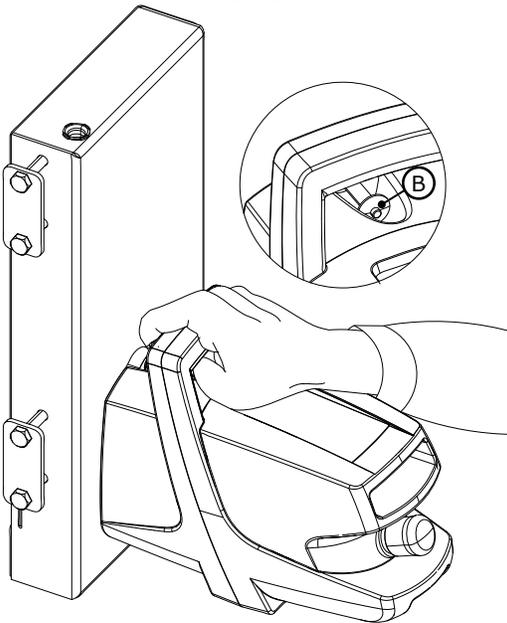
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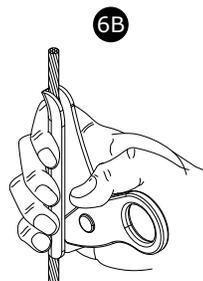
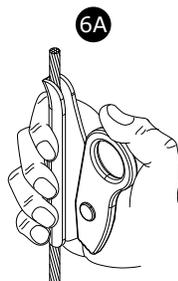
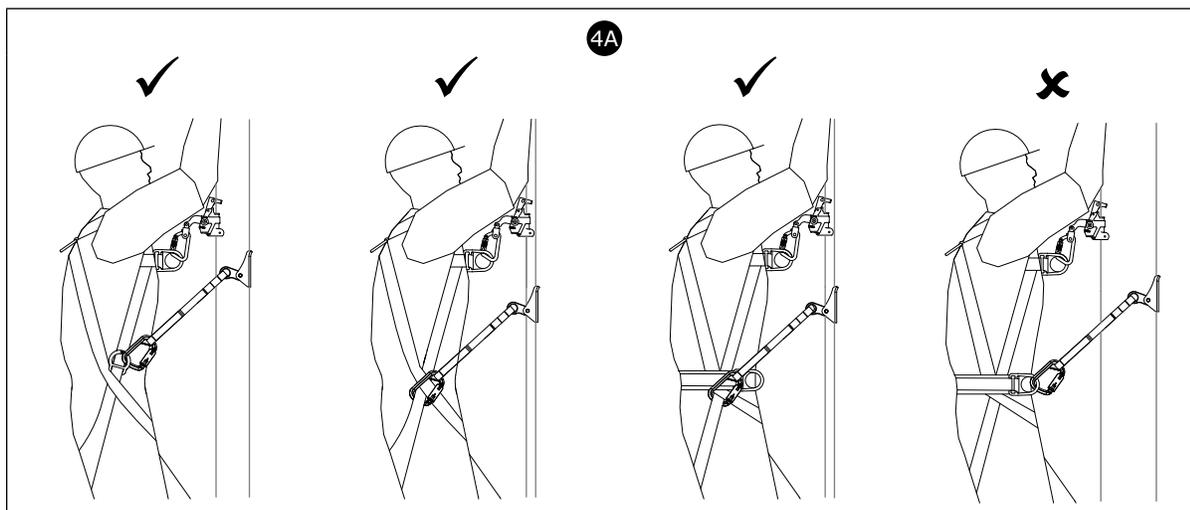
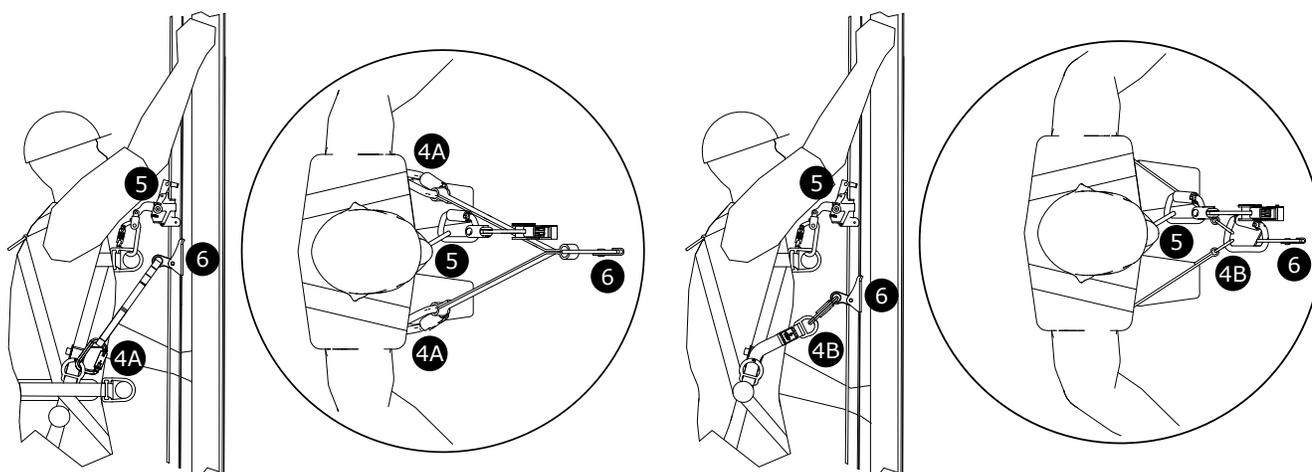
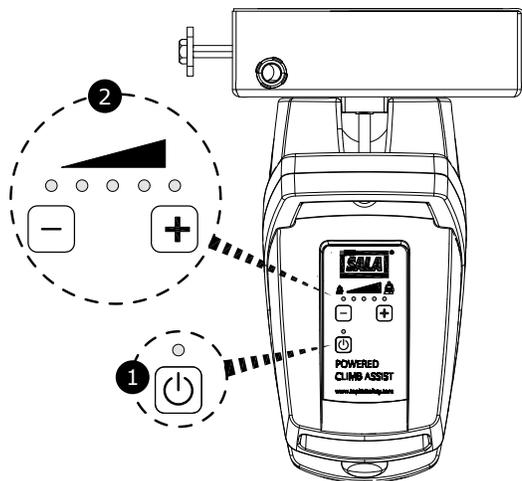


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WARNING: This product must be used in conjunction with a Fall Arrest System. The user must follow the manufacturer's instructions for each component of the system. These instructions must be provided to the user of this equipment. The user must read 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 Capital Safety.

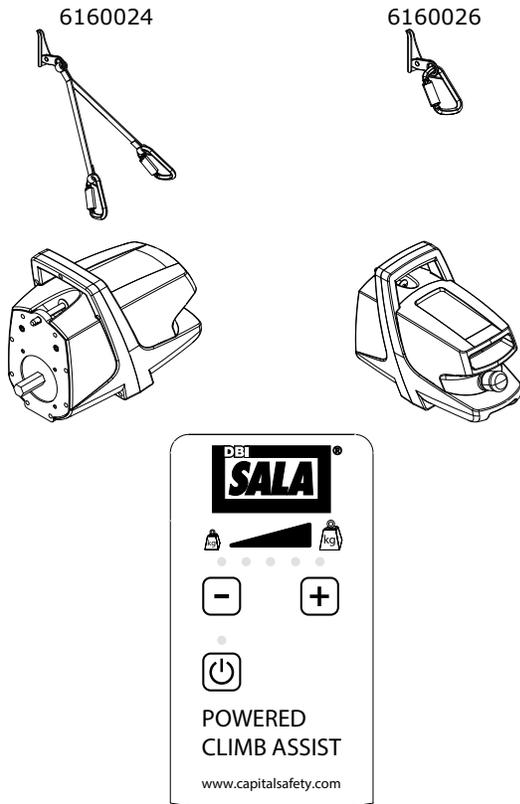
IMPORTANT: Before using the Portable Motor Control Unit for the first time, record the product identification information from the ID label in the "Inspection and Maintenance Log (Table 1)"

DESCRIPTION

Figure 1 illustrates the Powered Climb Assist System (PCAS). The PCAS provides climbing assistance for individuals ascending and descending interior fixed ladders similar to those used in Wind Turbine Towers. The "Installation and Maintenance Manual (5903806)" describes the components permanently installed at each site and their installation: Top and bottom End Bracket Pulley assemblies attach to ladder rungs and support a Wire Rope Cable running up and down both sides of the ladder. A Drive Bracket allows cable tensioning and is socketed for insertion of the Portable Motor Control.

Table 1 shows transportable components of the Powered Climb Assist System which are used at multiple locations: The Portable Motor Control Unit drives the Pulleys and Wire Rope Cable in a continuous loop to provide assist force for climbing up and down the ladder. A Cable Grip attaches on the Wire Rope Cable and tethers to the climbers Full Body Harness. Internal adaptive controls in the Motor Control allow the user to stop, ascend, and descend at will without operating a remote or switches. To power the Motor Control Unit, multiple Power Cord options are available with plug ends appropriate for the locales of use.

Table 1 – Powered Climb Assist System Components



6160024 & 6160026 Cable Grips	
Cable Grip	Zinc Plated Alloy Steel
Lanyard	Nylon
Carabiners	Zinc Plated Alloy Steel, 3,600 lb. (16 kN) Gate

6160051 - Portable Motor Control Unit	
Weight	20 lb (9 kg)
Power Supply Range	110 - 240 VAC, 50-60 Hz
Climb Assist Force Range	55 - 120 lb (25 - 55 kg)
Sound Emission	<70 dB(A)

Motor Control Panel Functions	
	Press to switch power ON/OFF.
	Press to decrease Climb Assist Force.
	Press to increase Climb Assist Force

9506038			Power Cord, BS 546 Type M	South Africa, India
9506929			Power Cord, NEMA 5-15P	United States, Canada, Mexico
9506930			Power Cord, AS 3112	Australia, New Zealand, China
9507070			Power Cord, IEC 60906-1	Brazil
9507098			Power Cord, CEE 7/7	Europe
9507749			Power Cord, BS1363A	United Kingdom

1.0 APPLICATIONS

- 1.1 PURPOSE:** The Powered Climb Assist System (PCAS) provides powered climb assistance while ascending or descending a ladder. The PCAS is intended for use on interior fixed ladders, such as those used in Wind Turbine Towers.

IMPORTANT: The PCAS should be used only as directed. It is not intended for lifting tools, equipment, spare parts, etc.

- 1.2 TRAINING:** It is the responsibility of the users and purchasers of this equipment to assure they are familiar with these instructions, trained in the correct care and use of, and are aware of the operating characteristics, application limitations, and consequences of improper use of this equipment.

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

- 1.3 RESCUE PLAN:** When using this equipment and connecting subsystem(s), the employer must have a rescue plan and the means at hand to implement and communicate that plan to users, authorized persons, and rescuers.
- 1.4 INSPECTION FREQUENCY:** The Powered Climb Assist System shall be inspected by the user before each use and, additionally, by a competent person¹ other than the user at intervals of no more than one year². Inspection procedures are described in the "Inspection and Maintenance Log" (Table 2). Results of each Competent Person inspection should be recorded on copies of the "Inspection and Maintenance Log".

2.0 REQUIREMENTS

Consider the following requirements when planning and installing the Powered Climb Assist System:

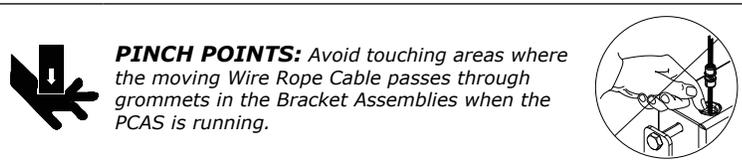
- 2.1 FALL ARREST SYSTEM:** The Powered Climb Assist System is not certified for Fall Arrest. It must be used in combination with a Lad-Saf™ Ladder Safety System or similar Fall Arrest System certified to the safety standards of the locale of installation.
- 2.2 LADDER STRUCTURE:** The ladder structure on which the Powered Climb Assist System is installed must meet the structural and anchorage requirements of the accompanying Fall Arrest System. See the Fall Arrest System manufacturer's instructions for details. The PCAS is NOT intended for use with portable ladders or ladders exposed to the environment. Ladders should be nearly vertical with a minimum slope of 75 degrees from horizontal for proper system operation.
- 2.3 CAPACITY:** The Powered Climb Assist System is designed for use by one person with a combined weight (clothing, tools, etc.) of no more than 310 lbs (141 kg). Only one person should be attached to the PCAS at any time.
- 2.4 ELECTRICAL:** The Plug-and-Play Motor Control Unit that powers the Powered Climb Assist System requires a 110-240 VAC, 50-60 Hz power source.
- 2.5 FULL BODY HARNESS:** A Full Body Harness must be used with the Powered Climb Assist System. The harness must have a frontal connection suitable for fall arrest when climbing a ladder. The fall arrest connection point must be above the user's center of gravity.

RECOMMENDED HARNESSES: Capital Safety recommends specific DBI-SALA Wind Energy Harnesses with integrated Climb Assist Lanyards for use with the 6160026 Cable Grip. Contact Capital Safety or see www.CapitalSafety.com for details.

OTHER HARNESSES: Other harnesses may be used with the 6160024 Cable Grip Lanyard Assembly, but do not offer the same level of comfort as the recommended DBI-SALA Wind Energy Harnesses.

WARNING: Body Belts are not authorized for use with the Powered Climb Assist System. Falls with a Body Belt may result in unintentional release or possible suffocation due to insufficient body support.

- 2.6 HAZARDS:** Use of this equipment in areas with 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, explosive or toxic gases, moving machinery, and sharp edges.



- 2.7 COMPONENT COMPATIBILITY:** Capital Safety equipment is designed for use with Capital Safety 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.

IMPORTANT: Equipment substitutions require written consent from Capital Safety.

1 Competent Person: One who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

2 Inspection Frequency: Extreme working conditions (harsh environments, prolonged use, etc.) may require increasing the frequency of competent person inspections.

2.8 CONNECTOR COMPATIBILITY: 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 Capital Safety if you have any questions about compatibility.

Connectors (hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs. (22.2 kN). 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 4). Connectors must be compatible in size, shape, and strength. Self-locking snap hooks and carabiners are required by ANSI Z359 and OSHA.

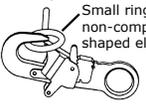
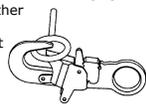
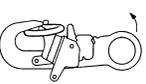
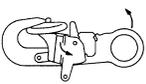
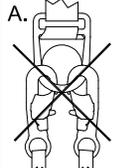
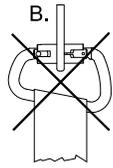
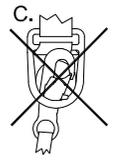
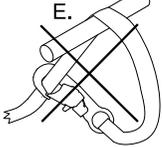
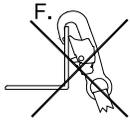
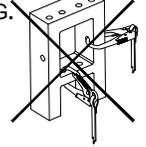
2.9 MAKING CONNECTIONS: Snap hooks and carabiners used with this equipment must be self-locking. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Ensure all connectors are fully closed and locked.

Capital Safety connectors (snap hooks and carabiners) are designed to be used only as specified in each product's user's instructions. See Figure 5 for examples of inappropriate connections. Do not connect snap hooks and carabiners:

- 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 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, unless the snap hook complies is equipped with a 3,600 lb (16 kN) gate. Check the marking on your snap hook to verify that it is appropriate for your application.

- 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.
- G. In a manner that does not allow the connector to align properly while under load.

4 – Unintentional Disengagement	5 – Inappropriate Connections
<p>If the connecting element to which a snap hook (shown) or carabiner attaches 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.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Small ring or other non-compatibly shaped element</p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  <p>Force is applied to the Snap Hook.</p> </div> <div style="text-align: center;">  <p>The Gate presses against the Connecting Ring.</p> </div> <div style="text-align: center;">  <p>The Gate opens allowing the Snap Hook to slip off.</p> </div> </div>	<div style="display: flex; flex-wrap: wrap; justify-content: space-around;"> <div style="text-align: center; margin: 5px;">  <p>A.</p> </div> <div style="text-align: center; margin: 5px;">  <p>B.</p> </div> <div style="text-align: center; margin: 5px;">  <p>C.</p> </div> <div style="text-align: center; margin: 5px;">  <p>D.</p> </div> <div style="text-align: center; margin: 5px;">  <p>E.</p> </div> <div style="text-align: center; margin: 5px;">  <p>F.</p> </div> <div style="text-align: center; margin: 5px;">  <p>G.</p> </div> </div>

3.0 SYSTEM USE

IMPORTANT: Do not alter or intentionally misuse this equipment. Consult DBI-SALA when installing or 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.

3.1 INSPECTION BEFORE EACH USE: Before each use of the Powered Climb Assist System: Inspect the Motor Control Unit and Cable Grip per the procedures defined in the "Inspection and Maintenance Log" (see Table 2). Inspect all other components of the Powered Climb Assist System per the procedures defined in the "Installation and Maintenance Manual (5903806)". Inspect the required Fall Arrest System and Full Body Harness per the manufacturers' instructions.

3.2 PORTABLE MOTOR CONTROL UNIT INSTALLATION: The Portable Motor Control Unit can be easily transported to support multiple Powered Climb Assist Systems (PCAS) in multiple locations. Figure 2 illustrates installation of the Motor Control Unit. To install the Motor Control Unit on the PCAS System's Drive Bracket:

1. Lift the Motor Control by the handle and align the Drive Shaft (A) and Detent Pin (B) on the Motor Control with the Drive Socket (C) and Locking Hole (D) on the Drive Bracket (see Figure 2-1).
2. Press the Detent Pin (B) and insert the Drive Shaft and Detent Pin all the way into the Drive Socket and Locking Hole (see Figure 2-2).
3. Release the Detent Pin to secure the Motor Control on the Drive Bracket. Ensure that the Detent Pin is locked into place. You should hear an audible click when the Detent Pin snaps into place.
4. Plug the Female Plug (E) on the Power Cord into the Power Socket on the Motor Control (F). (See Figure 2-4)
5. Plug the Male Plug on the Power Cord (G) into a Power Source at the site (see Figure 2-5).
6. Pull the Emergency Stop Button out (Figure 2-6). The Power Button (⏻) Light on the Motor Control will turn yellow.
7. Press the Power Button (⏻) on the Motor Control Keypad to turn on the Motor Control. The Power Button Light will switch from yellow to green when the Motor Control is powered on.

3.3 PCAS OPERATION: Figure 3 illustrates use of the Powered Climb Assist System. Operating procedures are as follows:

IMPORTANT: The Powered Climb Assist System (PCAS) is not certified for Fall arrest. It must be used in combination with a Lad-Saf™ Ladder Safety System or similar Fall Arrest System certified to the safety standard(s) of the location of use.

EMERGENCY STOP: In the event of an emergency, the Motor Control is equipped with an Emergency Stop Button (see Figure 2-6). It is recommended that one person be available at the base of the ladder when the PCAS is in operation.

1. If the Motor Control Unit is not on (Power Button Light is yellow), press the Power Button (⏻) on the Motor Control Unit (Figure 3-1). The Power Button Light will change from yellow to green. (If the Power Button Light is not yellow or green, verify that the Power Cord is plugged into the Motor Control and power source.)
2. Adjust the Climb Assist force: Press the Plus (+) Button to increase force, or press the Minus (-) to decrease force. The five red Climb Assist Force lights above the Plus and Minus Buttons indicate the current force setting. As force increases, additional lights will turn red (Figure 3-2):

RECOMMENDATION: Start with the minimum 25 kg (55 lb) Climb Assist Force and increase the force setting as you gain comfort with the Powered Climb Assist System.

3. Don your Full Body Harness per the manufacturer's instructions.
4. Attach the Cable Grip to the Full Body Harness (Figure 3-4):
 - A. If you are using the 6160024 Cable Grip, attach each of the Carabiners on the included lanyard to a side D-Ring or Leg Strap on your Harness. For optimal comfort and safety, ensure the load is transferred directly to the Harness Leg Straps (see Figure 3-4).
 - B. If you are using the 6160026 Cable Grip and recommended DBI-SALA Wind Energy Harness, attach the Carabiner on the Cable Grip through the D-Rings on the Harnesses' Climb Assist Lanyards.
5. Attach to the Ladder Safety System (Figure 3-5) per the manufacturer's instructions.
6. Attach the Cable Grip to the Powered Climb Assist System's Wire Rope Cable at a location below the Ladder Safety Sleeve (Figure 3-6): Push up on the Cable Grip Handle and position the Cable Grip Sleeve around the Wire Rope Cable (Figure 3-6A). Pull down on the Cable Grip Handle to secure the Cable Grip on the Wire Rope Cable (Figure 3-6B).

IMPORTANT: To prevent potential interference with the Ladder Safety Sleeve, never route the Climb Assist Lanyards over the Ladder Safety Sleeve and its connections.

7. Pull the Wire Rope Cable down one to six inches (3 - 15 cm) to initiate climb assistance. Begin climbing immediately. The Cable will begin travel around the Bracket Pulleys and the Cable Grip will catch up to you in a few seconds. Once the Lanyards connected to the Cable Grip are taut, the system will pull upward, providing climb assistance.

IMPORTANT: Always maintain three points of contact with the ladder while climbing.

8. When you stop climbing, the Powered Climb Assist System will stop automatically. To restart the PCAS, pull down on Wire Rope Cable and start climbing.

IMPORTANT: Before disconnecting the Cable Grip, always wait at least 3 seconds to allow the PCAS to switch to Rest mode.

9. To use the Powered Climb Assist System while descending down the ladder, attach the Cable Grip and begin stepping down the ladder. The PCAS will provide support while descending the ladder.

3.4 PCAS TROUBLESHOOTING: The following PCAS Troubleshooting Chart can be used to diagnose and correct system performance issues. If problems persist, contact Capital Safety.

PCAS Troubleshooting Chart		
Symptom:	What to Check:	Corrective Action:
The Motor Control Unit will not mount on the Drive Bracket.	Are you pressing in the Detent Pin when you mount the Motor Control Unit on the Drive Bracket?	See Section 3.2 for <i>Portable Motor Control Unit Installation</i> .
The Motor Control Unit does not turn on.	Is the Power Cord plugged into the Power Socket on the Motor Control and power source at the site.?	Plug in the Power Cord (see Figures 2-4 and 2-5).
	Is the Emergency Stop Button pulled out?	Pull out the Emergency Stop Button (see Figure 2-6).
	Is the power source live?	Check the power source with a meter.
The Motor Control Unit turns on, but does not provide assist force.	Is the Power Button turned on?	Press the Power Button (⏻) so the associated LED turns green (see Figure 3-1).
	Are you pulling the Wire Rope Cable down 1-6 inches (3-15 CM) to initiate climb assistance?	See Section 3.3 for <i>PCA System Operation</i> .
	Is the Cable Grip attached correctly (see Figure 3-6)?	See Section 3.3 for <i>PCA System Operation</i> .
The Wire Rope Cable is pulling too hard or not pulling enough.	Is the Climb Assist Force Properly Adjusted?	See Section 3.3 for <i>PCA System Operation</i>
	Is the Wire Rope Cable properly tensioned?	See Section 3.3 of the " <i>Installation and Maintenance Manual (5903806)</i> "
	Is the power source within the specified range for the Motor Control Unit?	Power sources must be within the specified 110 VAC - 240 VAC range.
	Is the temperature below -30° C (-22° F)?	When operating the PCAS in extreme cold, power on the Motor Control Unit and allow it warm up for a couple of minutes before operating. The Motor Control Unit will warm itself to improve performance.

4.0 INSPECTION

- 4.1 INSPECTION FREQUENCY:** The Portable Motor Control and Cable Grip must be inspected at the intervals defined in Section 1. Inspection procedures are described in the "*Inspection and Maintenance Log*" (Table 2). Inspect all other components of the Powered Climb Assist System per the frequencies and procedures defined in the "*Installation and Maintenance Manual (5903806)*".
- 4.2 DEFECTS:** If inspection reveals an unsafe or defective condition, replace or repair the affected component(s) prior to further use of the Powered Climb Assist System. Repairs must be performed by an Authorized Service Center. Contact Capital Safety.
- 4.3 PRODUCT LIFE:** The functional life of the Powered Climb Assist System is determined by work conditions and maintenance. As long as the product passes inspection criteria, it may remain in service.

5.0 MAINTENANCE, SERVICING, STORAGE

NOTE: Only Capital Safety or parties authorized in writing may make repairs to this equipment.

- 5.1 CLEANING:** Cable Grips may be cleaned using commercial parts cleaning solvents and rinsed with warm, soapy water. Light machine oil may be applied to moving parts if required. Do not use excessive oil, or allow oil to contact cable clamping surfaces. Clean attached Lanyards with water and mild soap solution. Rinse and thoroughly air dry. Do not force dry with heat.

IMPORTANT: If the Cable Grip or attached Lanyards contact acids or other caustic chemicals, remove from service and wash with water and a mild soap solution. Inspect per Table 2 before returning to service.

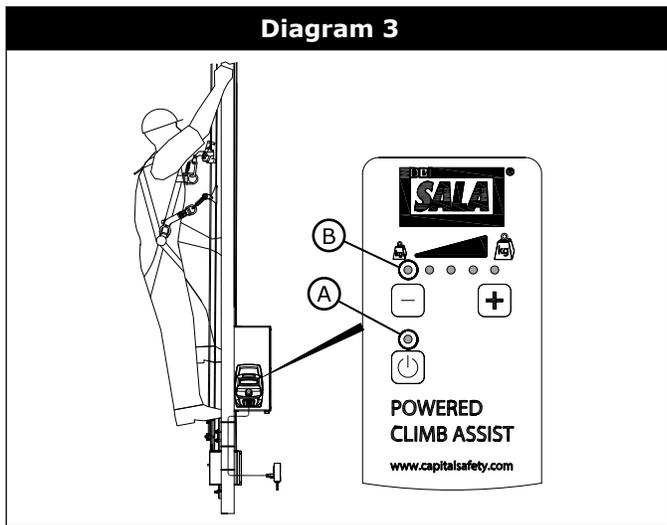
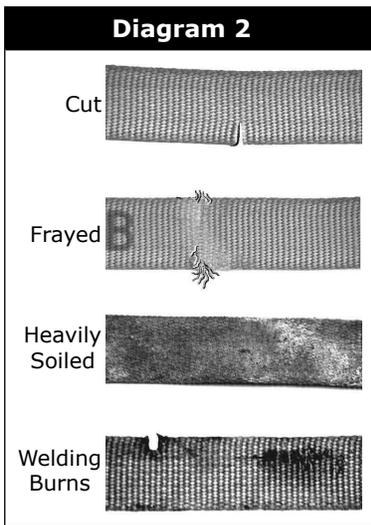
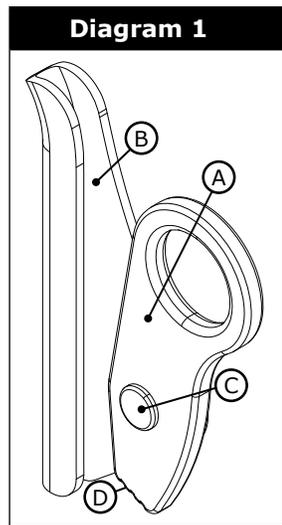
- 5.2 AUTHORIZED SERVICE:** Additional maintenance and servicing procedures must be completed by an Authorized Service Center. Authorization must be in writing. Do not attempt to disassemble and repair components of the Powered Climb Assist System.
- 5.3 STORAGE:** When not in use with the Powered Climb Assist System, store Motor Control Units and Cable Grips in a cool, dry, clean environment out of direct sunlight. Avoid areas where chemical vapors may exist. Thoroughly inspect components after extended storage.

Table 2 – Inspection and Maintenance Log

Serial Number(s):	Date Purchased:
Model Number:	Date of First Use:

Inspection Date: _____ **Inspected By:** _____

Component:	Inspection: (See Section 1 for <i>Inspection Frequency</i>)	User	Competent Person
Cable Grip (Diagram 1)	Inspect the Cable Grip for cracks, bends, or other deformities that might affect performance. The Handle (A) should be securely attached to the Sleeve (B) but should pivot freely around the Rivet (C). Teeth (D) should be present on the end of the handle that contacts the Wire Rope Cable.	<input type="checkbox"/>	<input type="checkbox"/>
	Marking on the Cable Grip must be legible. See the back pages of this manual for required markings and their locations.	<input type="checkbox"/>	<input type="checkbox"/>
Cable Grip Lanyards (Diagram 2)	If so equipped, inspect attached web lanyards for concentrated wear, frayed strands, broken yarn, burns, cuts, and abrasions. The lanyard must be free of knots throughout its length. Inspect for excessive soiling, paint build-up, and rust staining. Inspect for chemical or heat damage indicated by brown, discolored, or brittle areas. Inspect for ultraviolet damage indicated by discoloration and the presence of splinters and slivers on the webbing.	<input type="checkbox"/>	<input type="checkbox"/>
Portable Motor Control Unit (Diagram 3)	The Motor Control Unit Enclosure should be clean and free of cracks or other deformities that might impact performance of internal components.	<input type="checkbox"/>	<input type="checkbox"/>
	The Motor Control Unit Power Cord should be free of cracks or holes in the outer casing and frayed, broken, or exposed wires. Plug ends should be free of defects and appropriate for the designated power source.	<input type="checkbox"/>	<input type="checkbox"/>
	Plug the Power Cord into the Motor Control Unit and appropriate power source. Pull out the Emergency Stop Button. The lights on the control panel will flash momentarily and then the yellow Power Button (⏻) light (A) and first red Climb Assist Force light (B) will stay lit. Press the Power Button (⏻) and the Power Button light will switch from yellow to green. If the control panel lights do not illuminate in the described manner, consult the Troubleshooting Chart in Section 3.4.	<input type="checkbox"/>	<input type="checkbox"/>
	All labels should be present on the Motor Control unit and should be fully legible. See the back pages of this manual for required labels and their locations.	<input type="checkbox"/>	<input type="checkbox"/>
Other Components	Inspect the PCAS Brackets, Wire Rope Cable Loop, and Wear Pads per instructions in the "Installation and Maintenance Manual" (5903806). Inspect the Full Body Harness per the Manufacturer's instructions.	<input type="checkbox"/>	<input type="checkbox"/>



Corrective Action/Maintenance:	Approved By: _____
	Date: _____
Corrective Action/Maintenance:	Approved By: _____
	Date: _____
Corrective Action/Maintenance:	Approved By: _____
	Date: _____

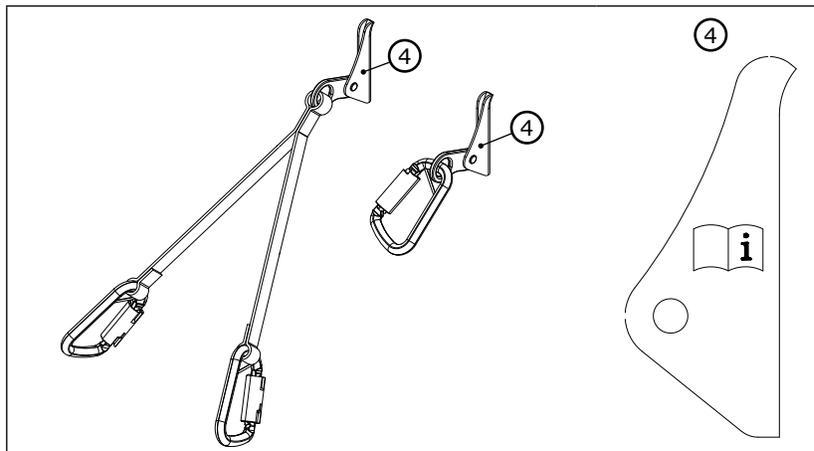
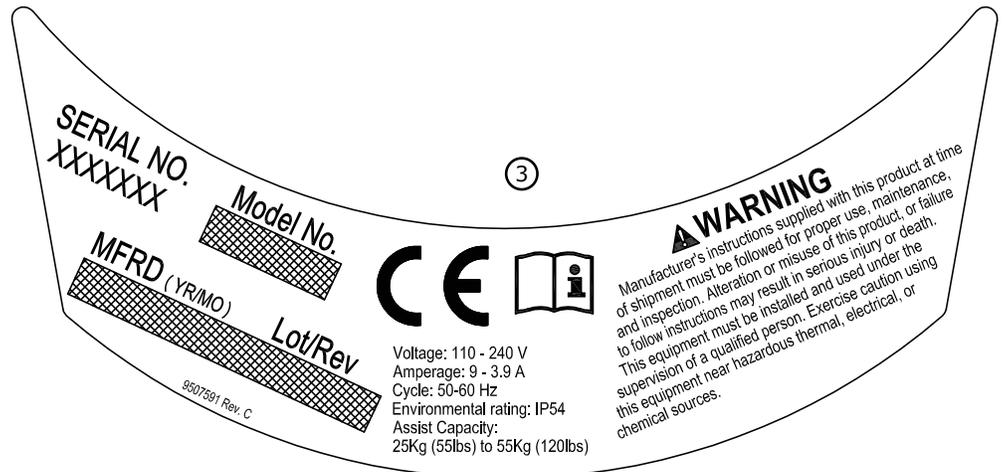
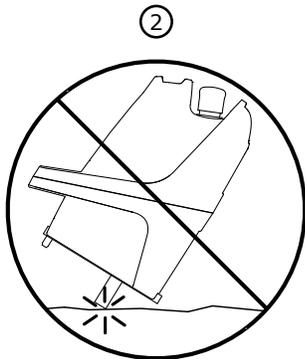
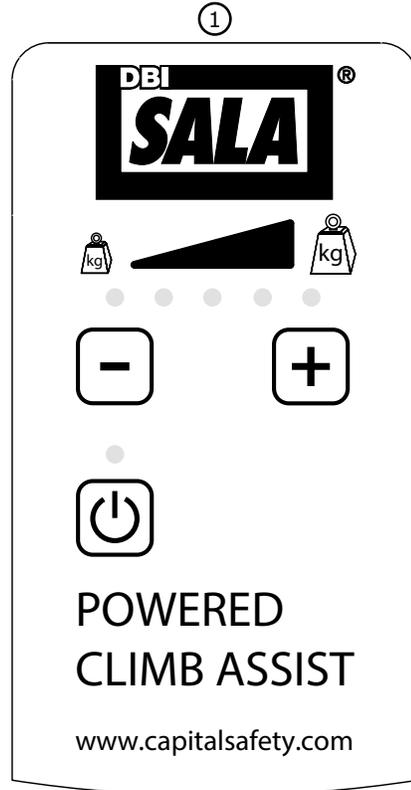
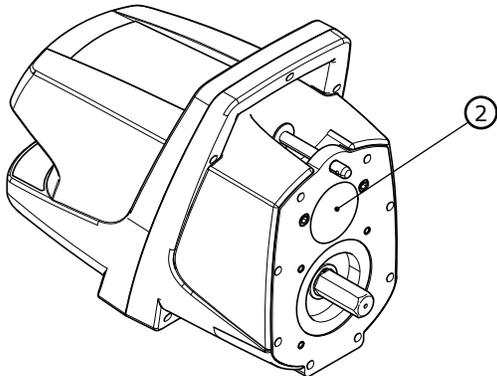
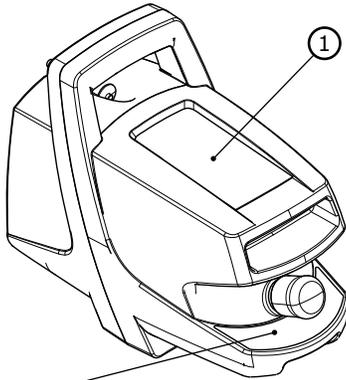
WARRANTY

WARRANTY FOR MOTOR CONTROL UNIT: *Note that the Motor Control Unit of the Powered Climb Assist System is subject to a limited warranty of three (3) years, whereas all other components of the System are subject to Capital Safety's standard limited lifetime warranty.*

POWERED CLIMB ASSIST SYSTEM: Warranty to End User - CAPITAL SAFETY warrants to the original end user ("End User") that its products are free from defects in materials and workmanship under normal use and service. This warranty extends for the lifetime of the product from the date the product is purchased by the End User, in new and unused condition, from a CAPITAL SAFETY authorized distributor. CAPITAL SAFETY'S entire liability to End User and End User's exclusive remedy under this warranty is limited to the repair or replacement in kind of any defective product within its lifetime (as CAPITAL SAFETY in its sole discretion determines and deems appropriate). No oral or written information or advice given by CAPITAL SAFETY, its distributors, directors, officers, agents or employees shall create any additional warranties or in any way increase the scope of this warranty. CAPITAL SAFETY will not accept liability for defects that are the result of product abuse, misuse, alteration or modification, or for defects that are due to a failure to install, maintain, or use the product in accordance with the manufacturer's instructions.

MOTOR CONTROL UNIT: Warranty to End User - CAPITAL SAFETY warrants to the original end user ("End User") that the Motor Control Unit (model # 6160051) for the DBI-SALA® Powered Climb Assist System is free from defects in materials and workmanship under normal use and service. This warranty extends for a period of three (3) years from the date the Motor Control Unit is purchased by the End User, in new and unused condition, from a CAPITAL SAFETY authorized distributor. CAPITAL SAFETY'S entire liability to End User and End User's exclusive remedy under this warranty is limited to the repair or replacement in kind of the defective Motor Control Unit (as CAPITAL SAFETY in its sole discretion determines and deems appropriate) within the three year warranty period. No oral or written information or advice given by CAPITAL SAFETY, its distributors, directors, officers, agents or employees shall create any additional warranties or in any way increase the scope of this warranty. CAPITAL SAFETY will not accept liability for defects that are the result of product abuse, misuse, alteration or modification, or for defects that are due to a failure to install, maintain, or use the product in accordance with the manufacturer's instructions.

CAPITAL SAFETY WARRANTIES APPLY ONLY TO THE END USER. THESE WARRANTIES ARE THE ONLY WARRANTIES APPLICABLE TO THIS PRODUCT AND ARE IN LIEU OF ALL OTHER WARRANTIES AND LIABILITIES, EXPRESSED OR IMPLIED. CAPITAL SAFETY EXPRESSLY EXCLUDES AND DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND SHALL NOT BE LIABLE FOR INCIDENTAL, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, LOST PROFITS, REVENUES, OR PRODUCTIVITY, OR FOR BODILY INJURY OR DEATH OR LOSS OR DAMAGE TO PROPERTY, UNDER ANY THEORY OF LIABILITY, INCLUDING WITHOUT LIMITATION, CONTRACT, WARRANTY, STRICT LIABILITY, TORT (INCLUDING NEGLIGENCE) OR OTHER LEGAL OR EQUITABLE THEORY.



Declaration of Conformity

We, Capital Safety Group, 3833 Sala Way, Red Wing, MN 55066, USA, the manufacturer, declare that the new PPE item(s) described hereafter:

Product no./models: Loop PCA Climb Assist

Type: Climb Assist System
Serial no. / Lot no. : Serial Production

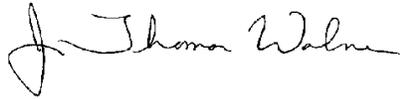
is in conformity with the provisions of the Council Directives:

The Machinery Directive 2006/42/EC
The EMC Directive 2004/108/EC

Technical File holder in EU:

SGS United Kingdom Limited
Bowburn South Industrial Estate,
Durham, Co Durham, DH6 5AD.

Authorized signatory:



Date: 17 January 2013

Place: Red Wing, Minnesota, USA

J Thomas Wolner
Vice President Engineering



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