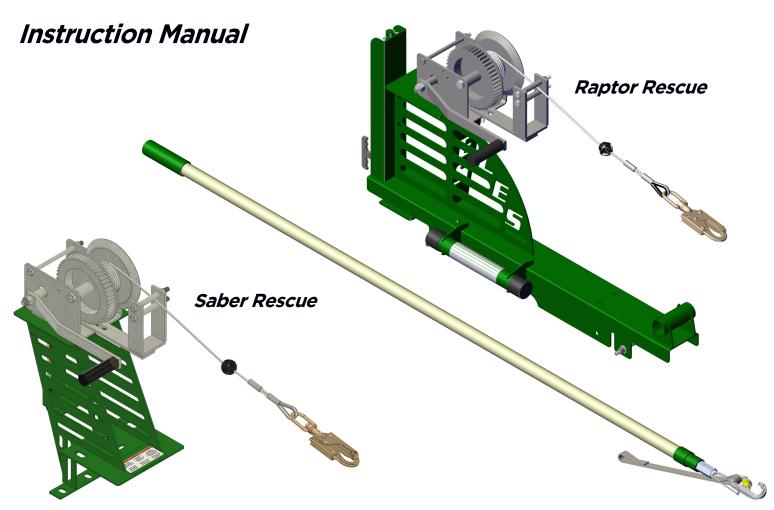


INSTRUCTION MANUAL

PERSONNEL RESCUE RETRIEVAL SYSTEMS



WARNING

Serious injury or death may result if this product is used for purposes other than designed. The manufacturer provides the following instructions for the use and care of this equipment. It is the responsibility of the purchaser to understand and convey explicit instruction to each user. The AES Manufacturing/Leading Edge Safety Personnel Rescue Retrieval Systems comply with the requirements of the Federal Occupational Safety and Health Administration (OSHA) when set up and used according to the manufacturers' instructions.

LIT ID: RMS-IM-24.0123

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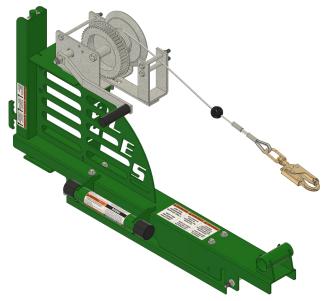
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LEADING EDGE SAFETY, LLC PERSONNEL RESCUE RETRIEVAL SYSTEMS Instruction Manual

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RAPTOR RESCUE

RMS-000-16

PERSONNEL RESCUE RETRIEVAL SYSTEM

MODEL# RMS-000-16

- 100' GALVANIZED STEEL CABLE
- RAISING & LOWER CAPABILITY
- FRICTION BRAKE PREVENTS FREE-WHEELING UNDER LOAD
- INCLUDES RETRIEVAL POLE
- COMPATIBLE WITH TRIREX, R2000, STINGER, & R1000 MOBILE FALL CART MODELS

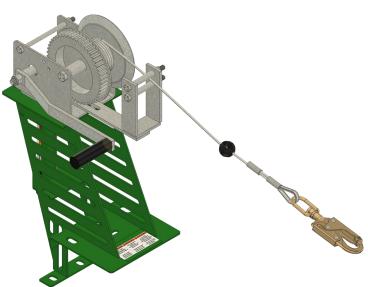
SABER RESCUE

RMS-SBR-0000-23

PERSONNEL RESCUE RETRIEVAL SYSTEM

MODEL# RMS-SBR-0000-23

- 100' GALVANIZED STEEL CABLE
- RAISING & LOWER CAPABILITY
- FRICTION BRAKE PREVENTS FREE-WHEELING UNDER LOAD
- INCLUDES RETRIEVAL POLE
- COMPATIBLE WITH SABER MOBILE FALL CART MODELS



RESCUE POLE

RPCC-12

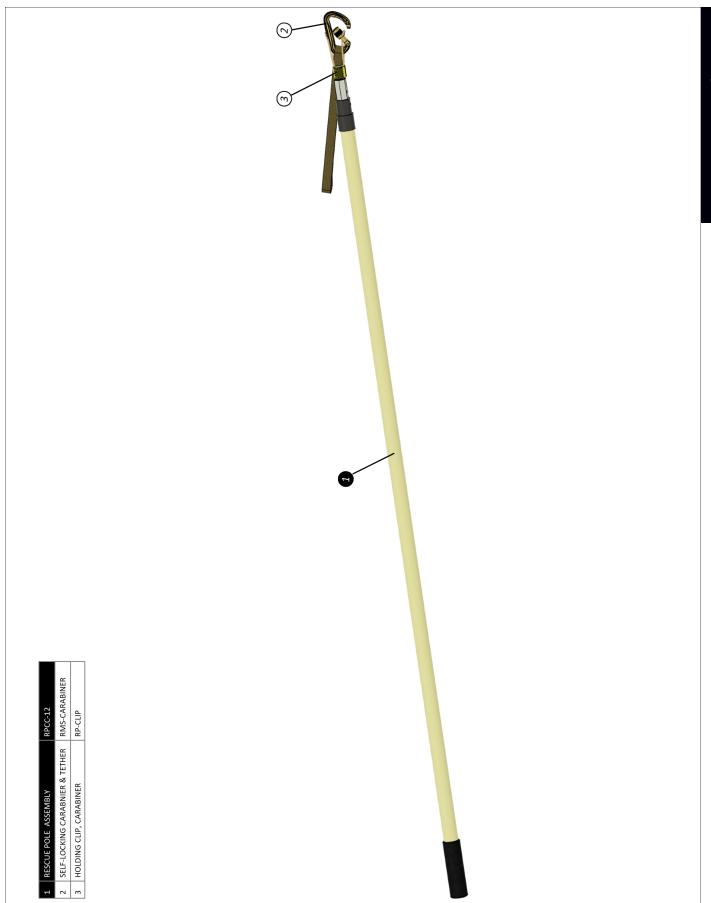
TELESCOPING RETRIEVAL POLE WITH CARABINER & CLIP

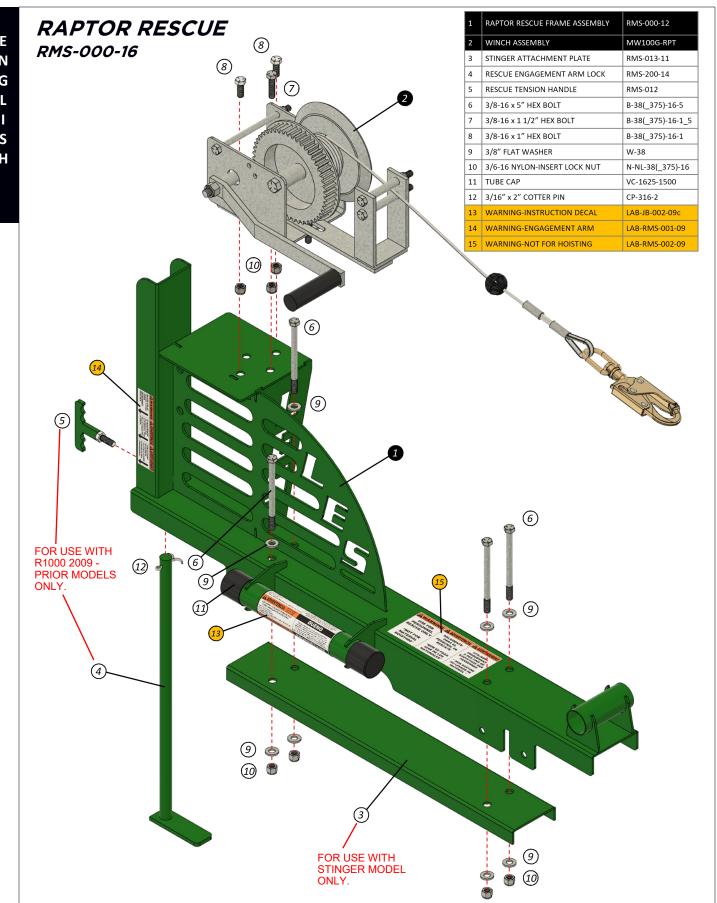
MODEL# RPCC-12

- EXTENDS 6' 12'
- SELF-LOCKING TWIST-LOCK CARABINER W/ TETHER

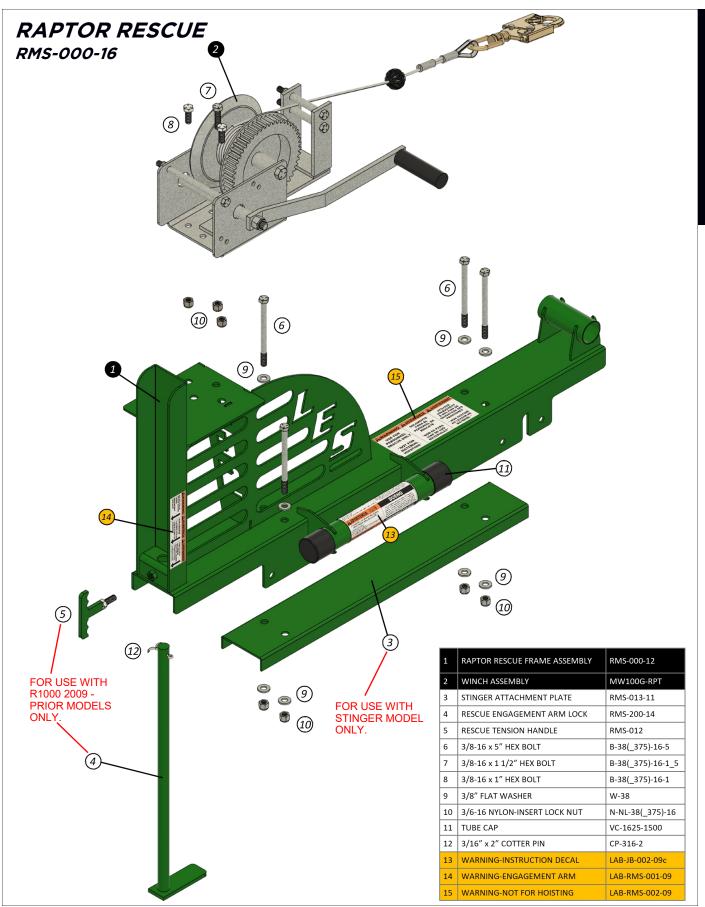


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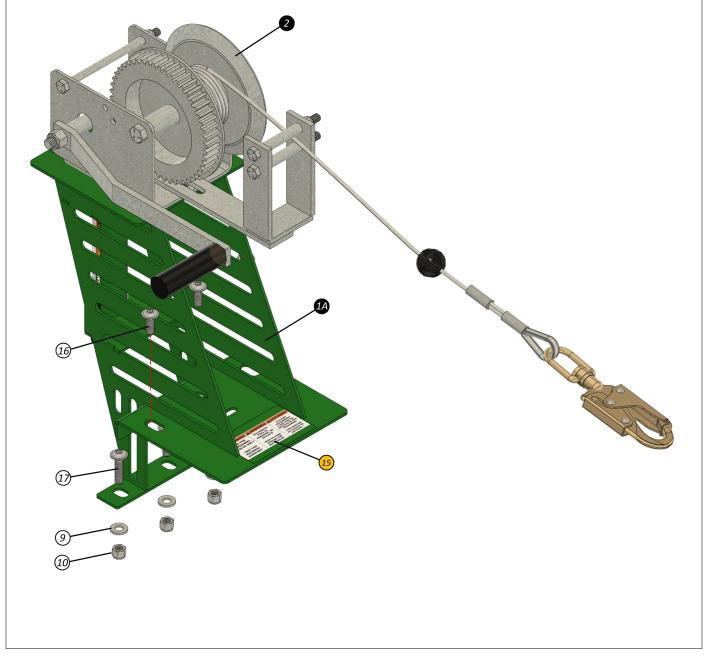


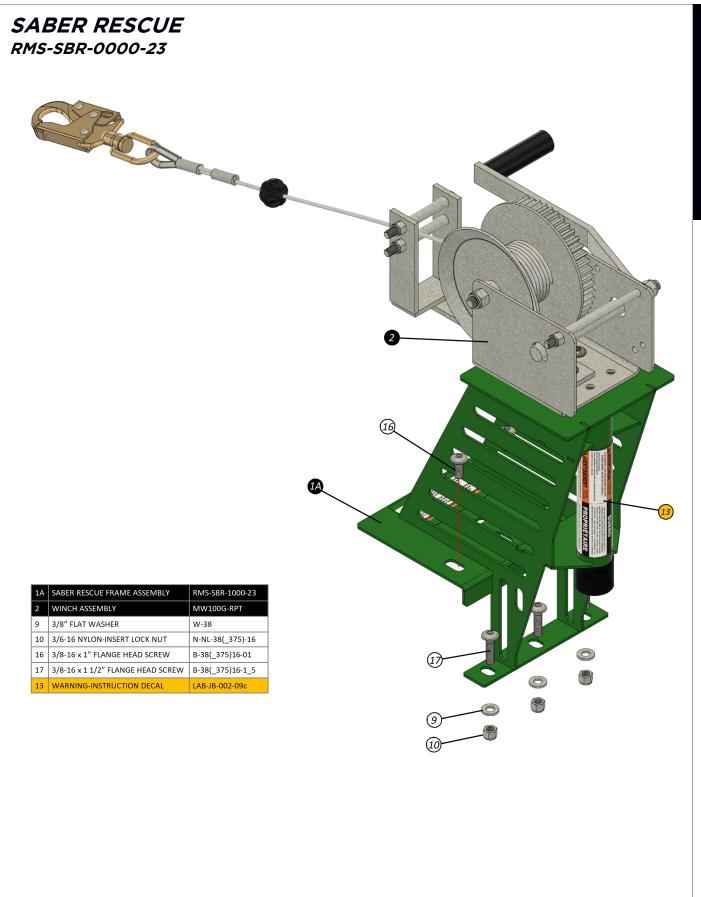
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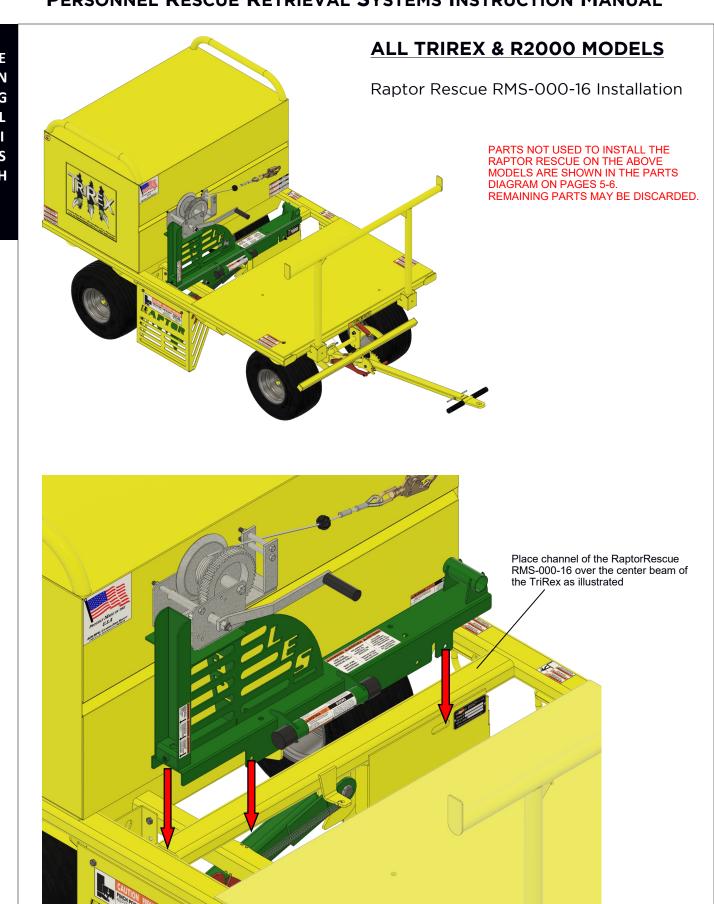


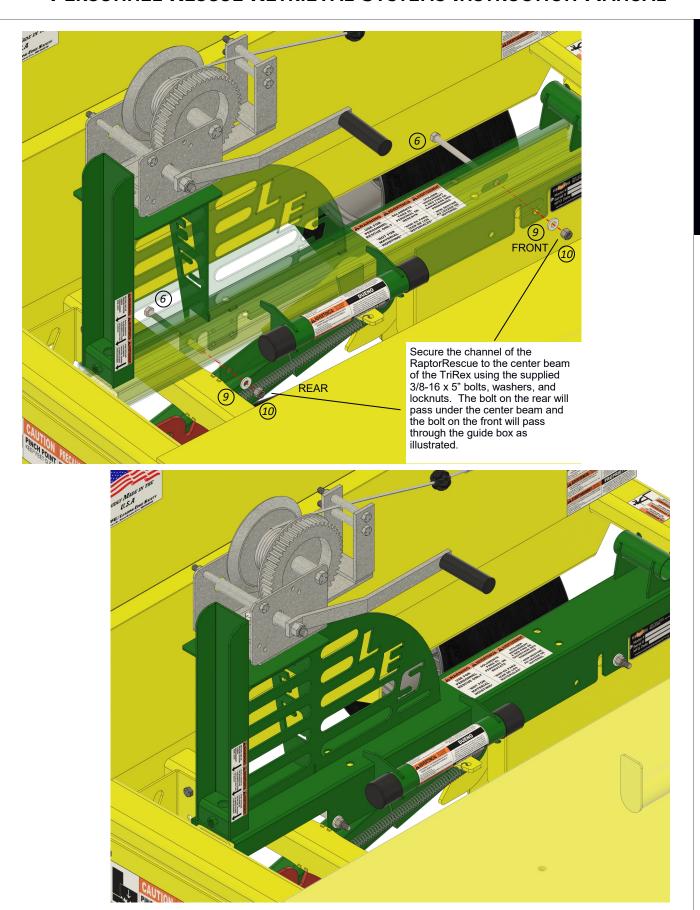
SABER RESCUE RMS-SBR-0000-23

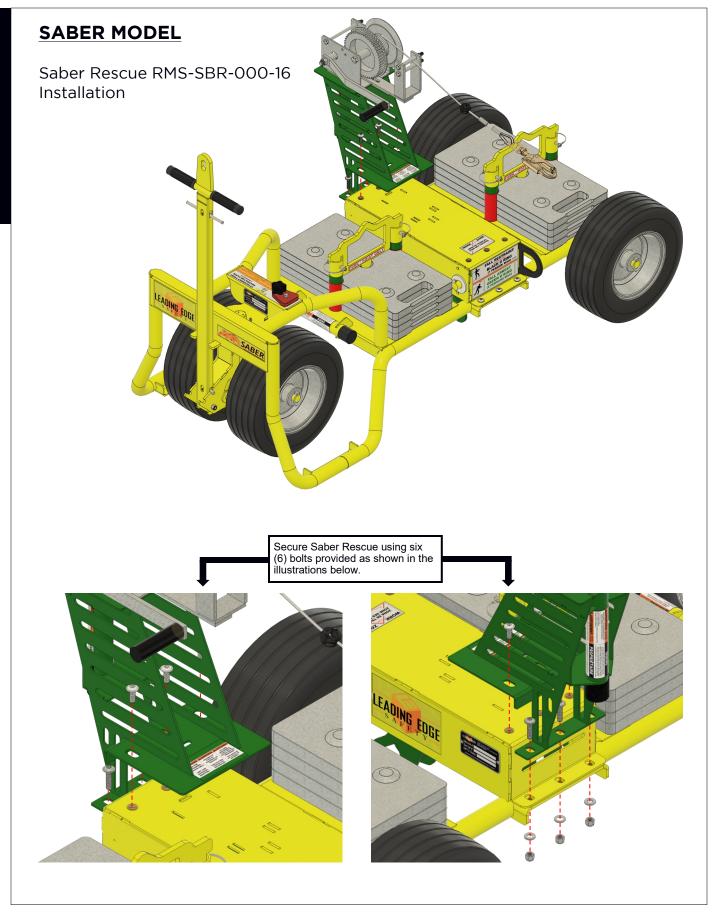
1A	SABER RESCUE FRAME ASSEMBLY	RMS-SBR-1000-23
2	WINCH ASSEMBLY	MW100G-RPT
9	3/8" FLAT WASHER	W-38
10	3/6-16 NYLON-INSERT LOCK NUT	N-NL-38(_375)-16
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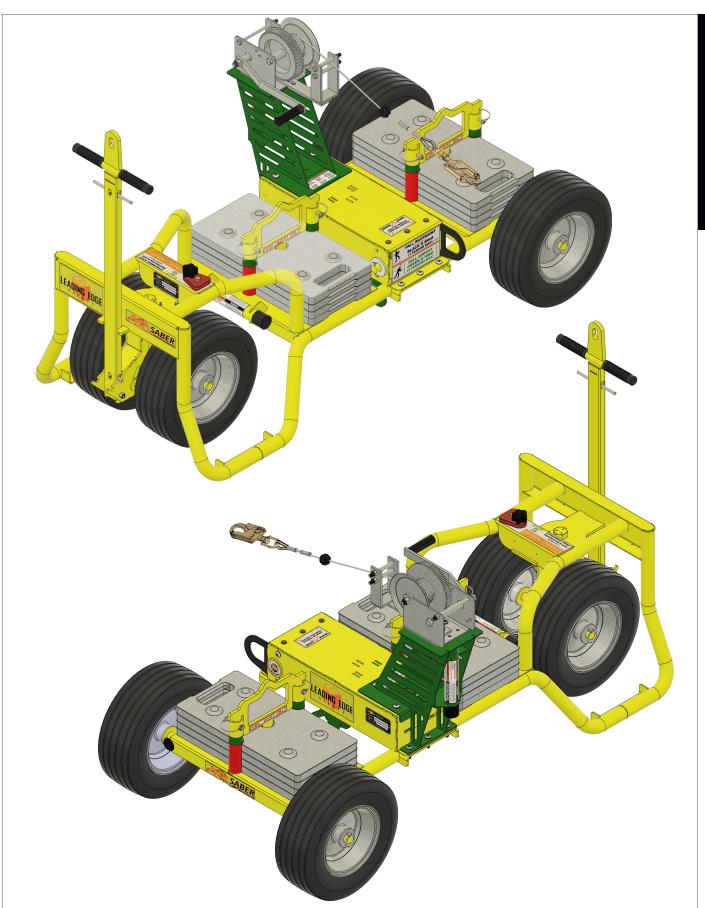


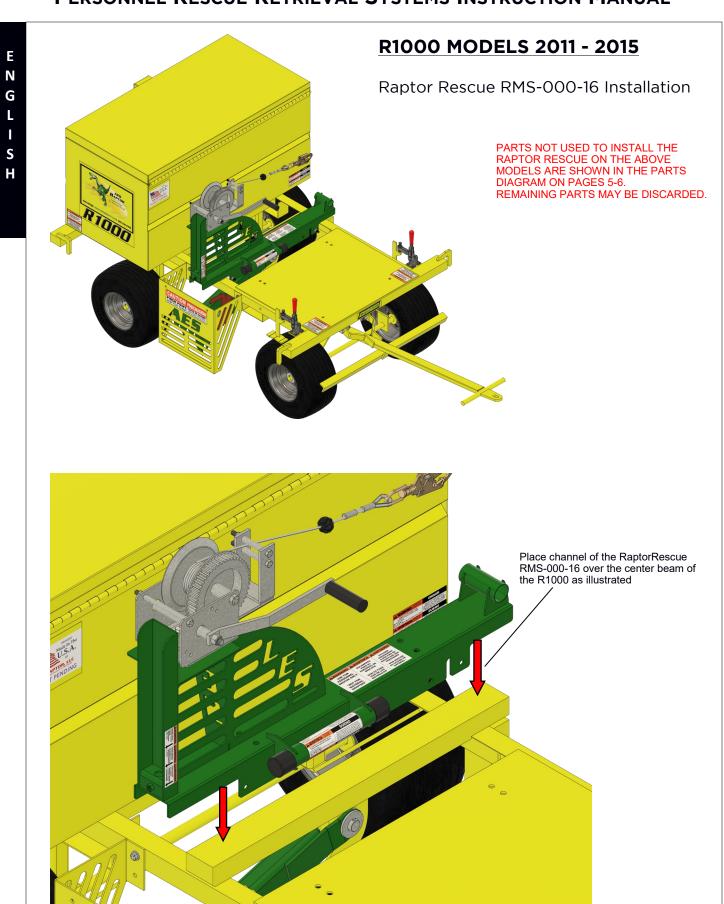


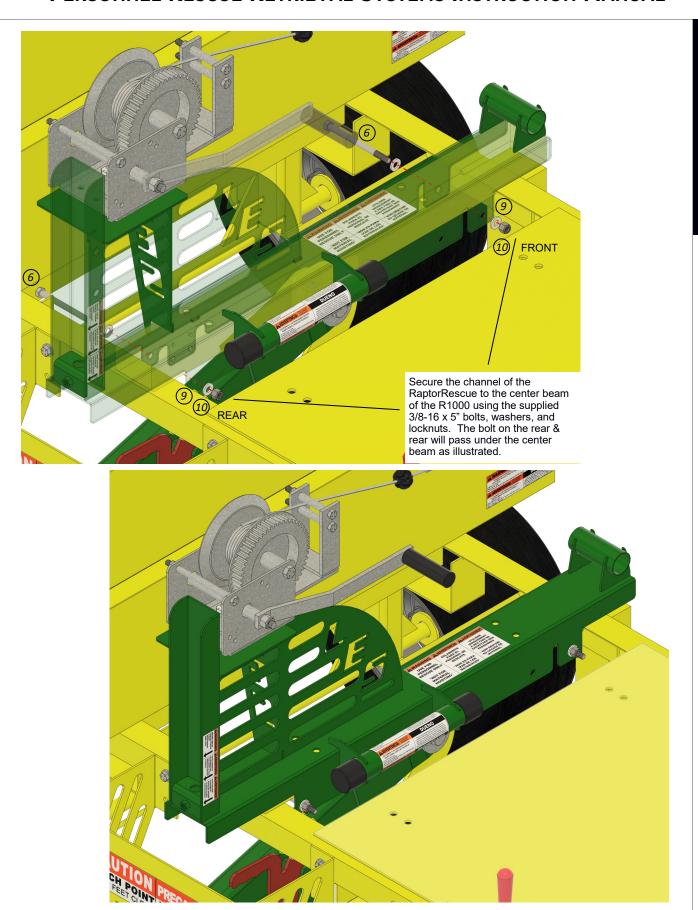


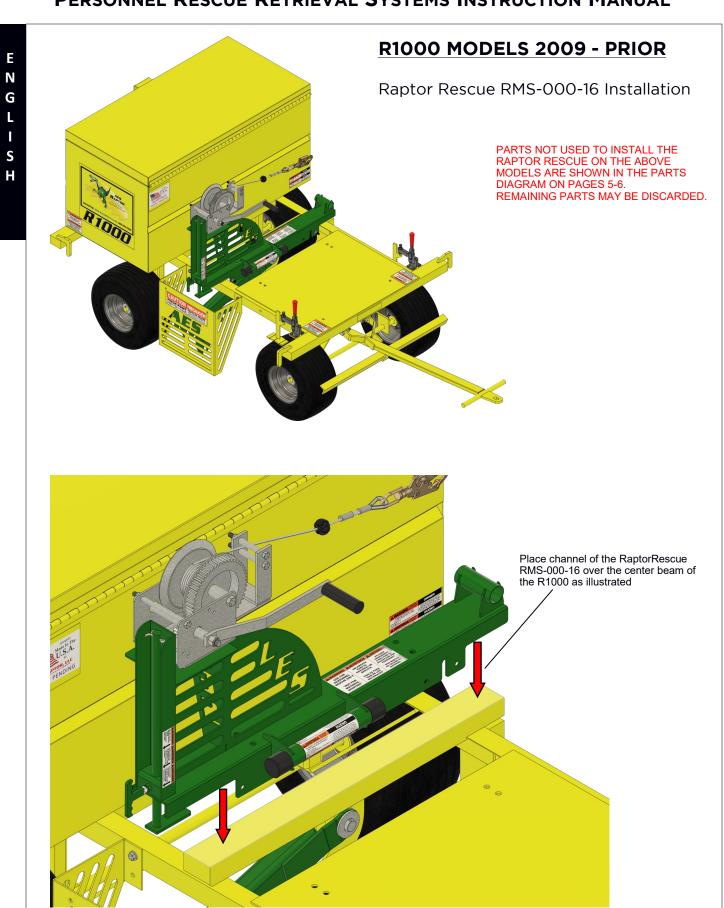


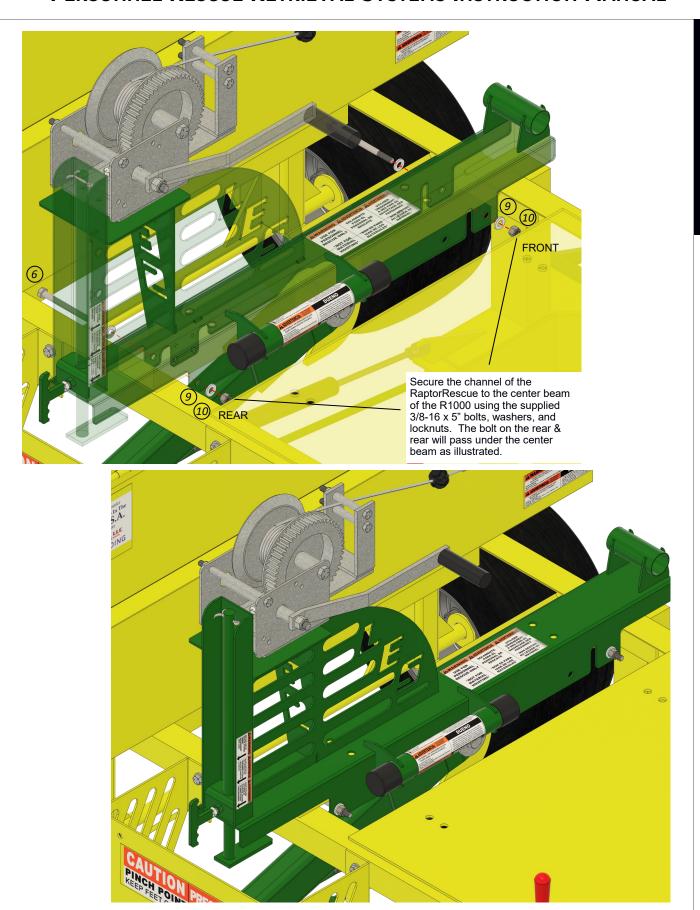


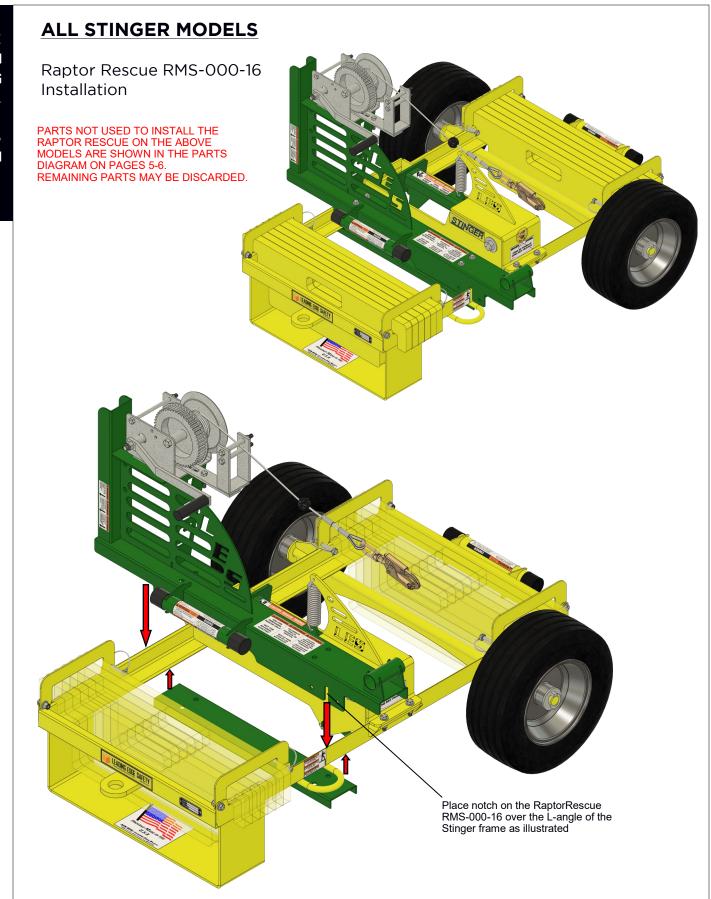


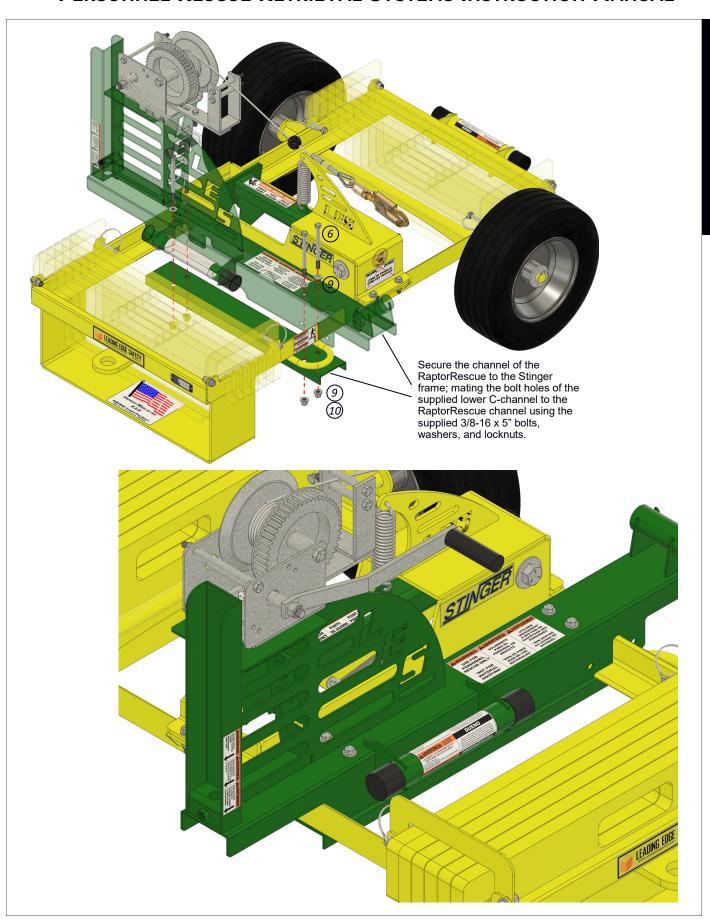












1.0 STANDARDS AND REQUIREMENTS

- 1.1 OSHA 1910.140(c)(21) "The employer must provide for prompt rescue of each employee in the event of a fall."
- **1.2** OSHA 1926.502(d)(20) "The employer shall provide for prompt rescue of employees in the event of a fall or shall assure that employees are able to rescue themselves.

2.0 APPLICATIONS

2.1 Personnel Rescue Retrieval Systems, including the Raptor RescueTM and Saber RescueTM, are designed exclusively for use with Leading Edge Safety Mobile Fall Protection Carts and shall only be used on the approved models listed below:

TRIREX STINGER R2000 R1000 SABER

- 2.2 Leading Edge Safety Personnel Rescue Retrieval Systems shall only be used in conjunction with approved Leading Edge Safety mobile fall protection cart and in the event of a fall and to assist with the prompt rescue of a fall victim.
- 2.3 Leading Edge Safety Personnel Rescue Retrieval Systems shall only be utilized to lower or raise no more than one person at any given time.

3.0 DEFINITIONS

- 3.1 Prompt Rescue Rescue be performed quickly in a time to prevent serious injury to the worker.
- 3.2 Suspension Trauma also known as harness hang syndrome and orthostatic intolerance, occurs after a worker has fallen into a fall arrest harness and is suspended in a hanging position until rescue arrives. When hanging in a fall harness, the leg straps support the body's weight. During this time, the leg straps of the fall protection harness crush the femoral arteries on the inside of the legs, cutting off blood circulation. An effect which occurs when the human body is held upright without any movement for a period of time.

4.0 USE AND LIMITATIONS

4.1 Procedures for Rescue

4.1.1 CALL 911 AND REPORT THE ACCIDENT BEFORE ATTEMPTING RESCUE

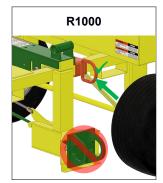
- 4.1.2 Assess the situation and address any additional risks that may have been created by the fall.
- 4.1.3 Ensure personnel attempting rescue are protected from falling; utilizing an independent certified anchorage point or the fall restraint connection point on a mobile fall protection cart. DO NOT CONNECT ADDITIONAL USERS TO THE FALL ARREST CONNECTION POINT OF THE CART.

IMAGE 4.1.3 - FALL RESTRAINT ATTACHMENT POINTS



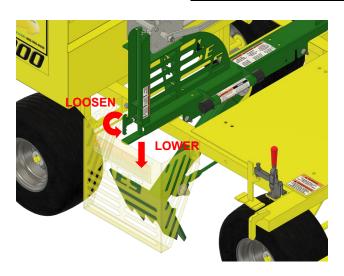


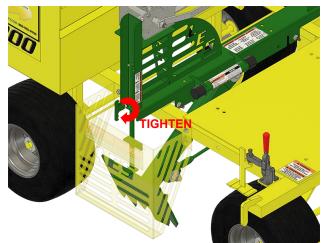




- **4.1.4** Ensure the Engagement Arm is locked.
 - **4.1.4.a** TRIREX, R2000, SABER, STINGER, and R1000 (2011-2015 models) have a ratcheting lock system that automatically locks the claw into it's deepest point of penetration when a fall occurs.
 - **4.1.4.b** R1000 (2009 prior models) require lowering the Rescue Engagement Arm Lock to engage the top of the claw and lock in place with the Rescue Tension Handle.

IMAGE 4.1.4.b - R1000 ENGAGEMENT ARM LOCK





4.1.5 Release cable from the winch by turning the winch handle counterclockwise, while another worker in fall restraint keeps tension on the cable and pulls the swivel snap hook end toward the fall victim.

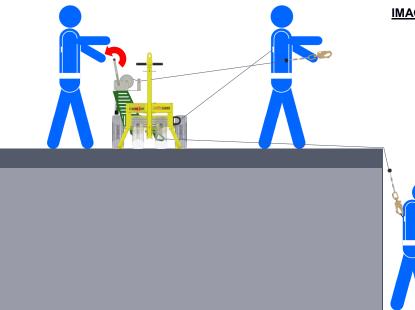
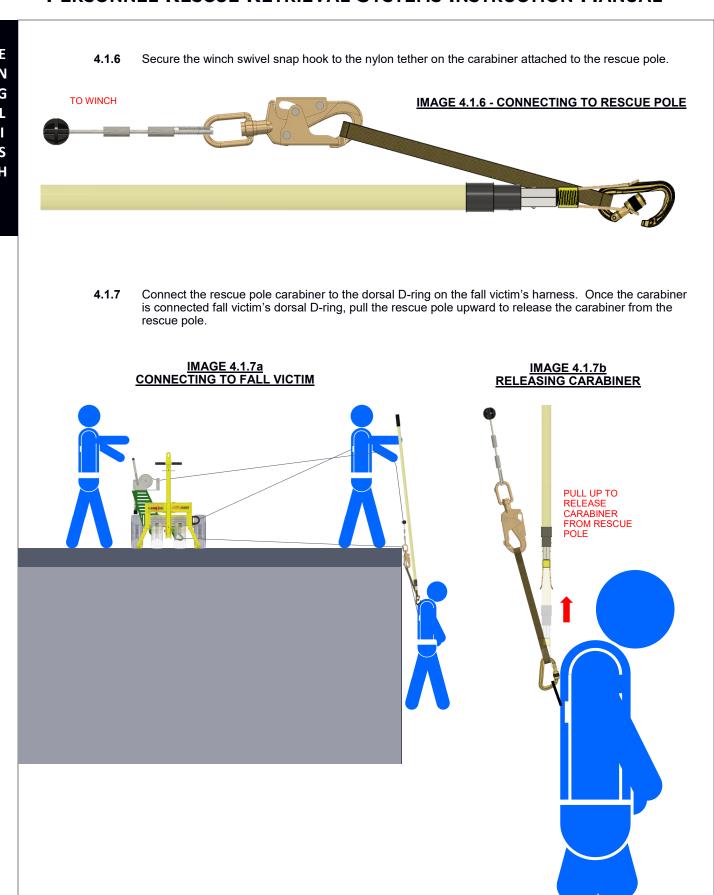
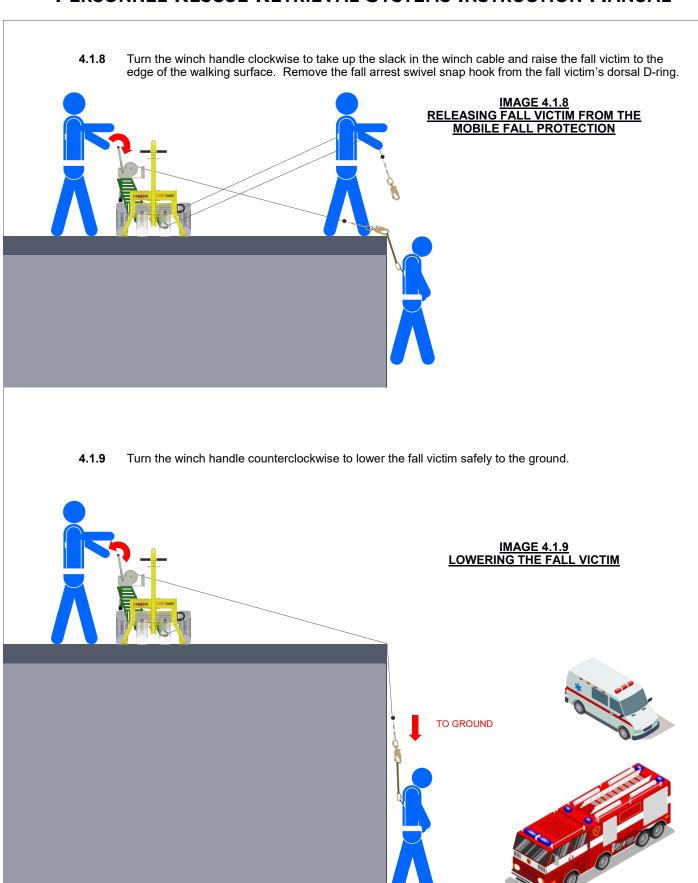


IMAGE 4.1.5 - UNSPOOLING THE WINCH





4.2 Capacity

- **4.2.1** Do not exceed the working load limit of 310 lbs.
- 4.2.2 FOR PERSONNEL USE ONLY.

5.0 GENERAL SAFETY

- **5.1** Ensure all users have read and understand the instruction manual for both the mobile fall protection unit and the rescue system prior to use.
- **5.2** Always uses caution and common sense when operating this equipment. Additional workers may be needed to safely rescue a fall victim.
- **5.3** This equipment shall not be operated or used by persons whose ability or alertness is impaired by fatigue, intoxication, prescription or illegal drugs, or any other physical or mental cause that may expose the user or others to injury.
- 5.4 Always wear proper Personal Protective Equipment.
- **5.5** Keep hands and feet clear of moving parts.
- **5.6** Do not operate the unit while wearing baggy clothing.
- **5.7** Do not use the unit near electrical lines.
- **5.8** Do not use this equipment on wet, slippery, or icy substrates.
- 5.9 DO NOT USE DAMAGED EQUIPMENT OR EQUIPMENT THAT HAS BEEN MODIFIED IN ANY WAY.

6.0 BEFORE EACH USE

- **6.1** Before using this unit, a rescue plan and procedure in accordance with OSHA Standards must be in place to ensure prompt rescue in the event of a fall.
- **6.2** Inspect the unit for any damage. A maintenance log has been provided in the manual that my be copied and used to track inspections, damage, and repairs.
 - 6.2.1 Ensure the Personnel Rescue Retrieval System is properly secured to the Mobile Fall Cart.
 - **6.2.2** Check winch for freedom of movement by turning the winch handle in both clockwise and counterclockwise directions. A ratcheting sound will only be heard during clockwise winding.
 - **6.2.3** Check the swivel snap hook and ensure proper opening, closing, and locking of the gate.
 - **6.2.4** Check for loose, bent, or damaged parts.
 - **6.2.5** Check for corrosion on entire unit.
 - **6.2.6** Ensure all safety labels are present and fully legible. (Reference parts list pages 5-8)
 - 6.2.7 DO NOT USE DAMAGED EQUIPMENT OR EQUIPMENT THAT HAS BEEN MODIFIED.

INSPECTION AND MAINTENANCE LOG PLEASE COPY THIS LOG, FILL IT OUT BEFORE EACH USE, AND KEEP IT IN YOUR RECORDS. **EQUIPMENT MODEL #**: **EQUIPMENT SERIAL #: INSPECTION DATE:** DATE OF PURCHASE: Corrective Action Inspection Item Maintenance Performed Needed? Properly installed and secured to mobile fall cart Yes No Inspected By: Winch operates correctly Yes No Inspected By: Swivel snap hook Opens, closes, and locks properly Yes Inspected By: Loose, bent or damaged parts Yes No Inspected By: Corrosion on unit Yes No Inspected By: Warning labels in place & legible (ref pages 5-8) Yes Inspected By: Other damage or modifications Yes Inspected By:



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