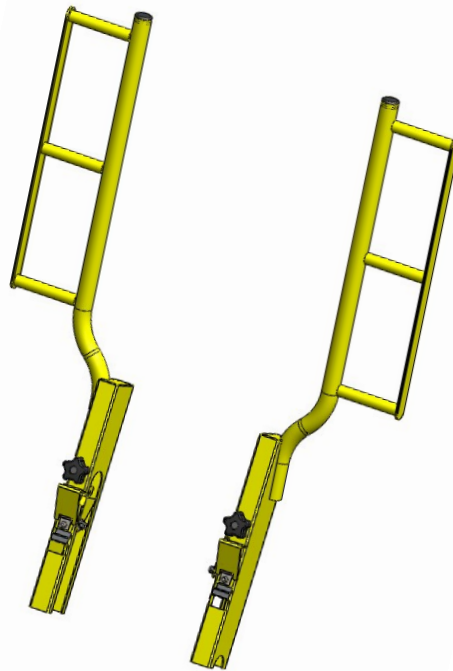
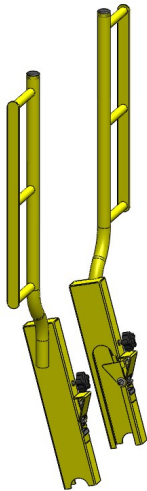


LES RAPTOR GRABSAFE PORTABLE™

U.S. Patent No. 6,095,283.

Ladder Extension Walk-through Safety Device

Instruction Manual



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 Raptor GrabSafe Portable™ complies with the requirements of the Federal Occupational Safety and Health Administration (OSHA), as well as ANSI A14.2 and 14.5 when set up and used according to the manufacturers' instructions.

LES RAPTOR GRABSAFE PORTABLE™ INSTRUCTION MANUAL

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Leading Edge Safety, LLC - Raptor GrabSafe Portable™ Instruction Manual

Published by Leading Edge Safety, LLC, North Kansas City, MO

LES RAPTOR COMPLETE MOBILE FALL PROTECTION SYSTEMS
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North Kansas City MISSOURI 64116
www.leadingedgesafety.net

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DIAGRAM OF PARTS

1.0 ASSEMBLY

After unpacking the GrabSafe Portable™, make sure that the black adjuster knobs are threaded into the corresponding nut. (See Fig. 1).



FIG. 1 Adjuster Knob.

2.0 APPLICATIONS

- 2.1 The GrabSafe Portable™ (GSP) is for roof access by transitioning to or from residential and commercial roofs, or elevated surfaces, using an extension ladder.
- 2.2 The GSP is for use on metal and fiberglass extension ladders.
- 2.3 **DO NOT** perform work while using the GSP. The GSP is **NOT** for increasing the reach of your extension ladder, except to obtain the OSHA required “3 feet of clearance” above the elevated surface.
- 2.4 **DO NOT** hang anything such as paint cans from the GSP.
- 2.5 The GSP complies with ANSI A14.2 and 14.5 standards for metal and fiberglass ladders. The GSP also complies with all applicable OSHA rules, including ensuring a 3 feet extension required above the roof surface.
- 2.6 Avoid gutter damage by using ladder standoffs. Most stand-off devices are compatible with the GSP.

3.0 BEFORE USING

- 3.1 Follow all ladder manufacturer rules for proper use including OSHA rules and ANSI A14 standards.
- 3.2 Keep away from electrical wires at all times. The GSP is a metal product and will conduct electricity.
- 3.2 First determine whether the GSP is compatible with your extension ladder. The GSP are compatible with most extension ladders that are rated up to 250 pounds and 32 feet. The GSP is compatible if the spring-loaded latch catches on the top rung, and the adjuster knob can successfully couple the stainless steel tongue with the ladder rail.
- 3.3 The GSP must always be used in pairs, with a left and right side mounted to the extension ladder at the same time.

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- 3.4 The GSP is rated for 310 lbs. If the ladder is rated for a different amount, always use the lesser of the two ratings.
- 3.5 Never load the ladder/GSP with more than 310 lbs. This includes body weight, and clothes and tool weight.

4.0 ERECTING THE LADDER AND GRABSAFE PORTABLE (See Fig. 2).

- 4.1 Lay the ladder on the ground near the base of the elevated surface.
- 4.2 Mount the GSP (both left and right sides) onto the ladder rails. Make sure the latches catch on the top rung of the ladder. **IMPORTANT:** Make sure the rubber pads are oriented to rest against the building. If the GSP is mounted backwards, the adjuster knobs could hit the building and damage or break.
- 4.3 Tighten the adjuster knob until the GSP is solidly coupled to the ladder.
- 4.4 Lifting the ladder/GSP in place requires two people minimum. Place ladder feet in bottom corner of wall/ground and carefully walk the ladder upright. Rest the ladder/GSP against the roof edge so that the GSP rubber pads are against touching the roof edge. Then pull the feet of the ladder out from the wall so that the ladder is at the correct angle (75 degrees). This can easily be checked by standing at the base of the ladder with arms extended straight out; you should be able to touch the ladder with your hand.
- 4.5 Always use common sense and caution when placing a ladder. Make sure the feet are on flat and firm ground, and make sure that the ladder rungs rest equally on the roof edge.
- 4.6 The ladder should be extended such that the top rung of the ladder is level with the roof or elevated surface. This will also ensure that the rubber pads are resting against the roof edge.
- 4.7 It is highly recommended to physically secure the ladder at both the base and the point of roof contact.
- 4.8 Avoid gutter damage by using ladder standoffs. Most stand-off devices are compatible with the GSP.



FIG. 2. Erecting the Ladder.

5.0 USING THE GRABSAFE PORTABLE

- 5.1 Climb the ladder normally, always using three-point control. (See Figs. 3,4).
- 5.2 Do not carry things while climbing the ladder.
- 5.3 When you approach the top of the ladder, continue climbing by grabbing the horizontal grab bars on either side. Use these to pull yourself through while stepping onto the roof or elevated surface.
- 5.4 **NEVER** grab the vertical rails of the ladder or GSP when climbing. Doing so **DOES NOT** help you maintain 3-point control, and holding the vertical rails will not aid you in the event of a fall. At all times only grab horizontal rungs and grab bars. See <http://www.fallsafety.com/pdfs/tpc.pdf> for a study on 3-point control and ladder falls.
- 5.5 To descend down the ladder from the roof, walk up to the GSP, turn around so that you are facing away from the ladder, and grab onto the top horizontal grab bars of the GSP. While holding onto the grab bars, step backwards and down onto the rungs of the ladder. Continue climbing down until you can grab onto the rungs of the ladder. Carefully finish your descent until reaching the bottom.



FIG. 3 Three-Point Control.



FIG. 4 Stepping onto Roof.

6.0 DISMANTLING THE GRABSAFE PORTABLE

- 6.1 Unfasten the ladder at the top before your last descent. After descending and unfastening the ladder at the bottom, use at least two people total to stand the ladder straight up against the wall, and carefully lean the ladder away from the wall, slowly grabbing onto the ladder until the top is at ground level.
- 6.2 Loosen the adjuster knob. Then hold the latch back while sliding the GSP off of the ladder. Make sure the adjuster knob is still connected to the GSP.

7.0 MAINTENANCE, CARE, AND TRANSPORT

- 7.1 Store the GSP in a safe place, free from weather elements.
- 7.2 Periodically check the GSP to make sure it is not bent or cracked.
- 7.3 Always store the GSP pair together, to prevent the sides from being used independently.
- 7.4 The GSP can be transported on top of a vehicle while attached to the ladder, if the spring-loaded latches are in the closed position past the first rung. In this configuration the GSP will not detach from the ladder without intentionally dis-engaging the latch and sliding the GSP off of the ladder. It is recommended that the GSP be firmly coupled to the ladder to prevent jostling of the GSP.

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8.0 WARNING LABELS

8.1 Main Warning Label. Each left and right device has a Main Warning Label on the base.

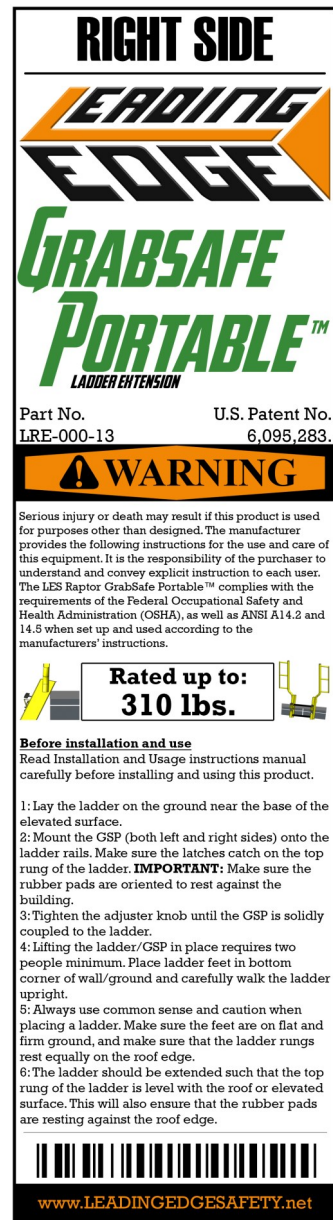
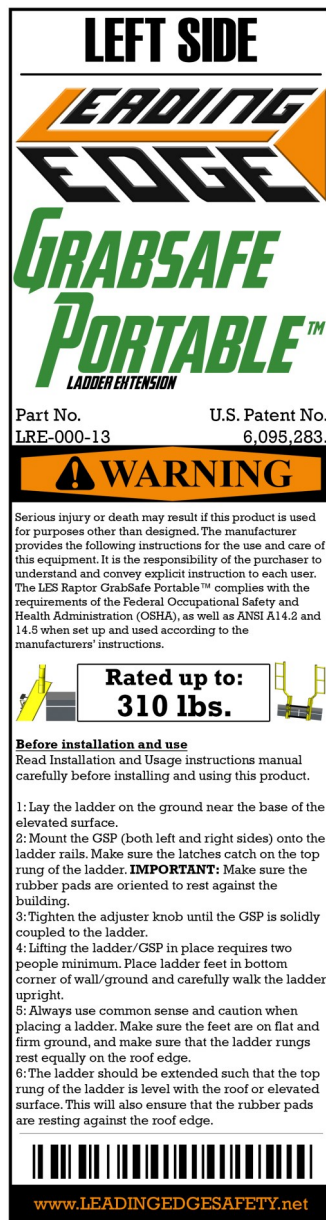


FIG. 3 Main Warning Label.

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- 8.2 Installation Label. Each left and right device has an Installation Label on the inside of vertical plate near the horizontal grab bars.

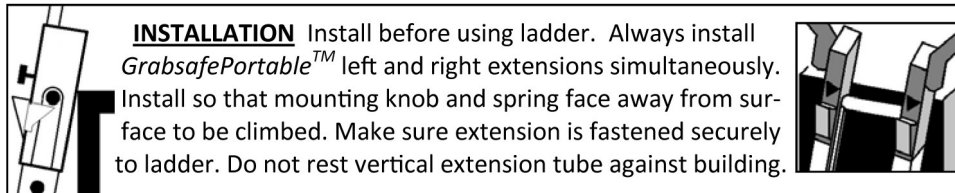


FIG. 4 Installation Label.

- 8.3 Usage Label. Each left and right device has a Usage Label on the inside of vertical plate near the horizontal grab bars.

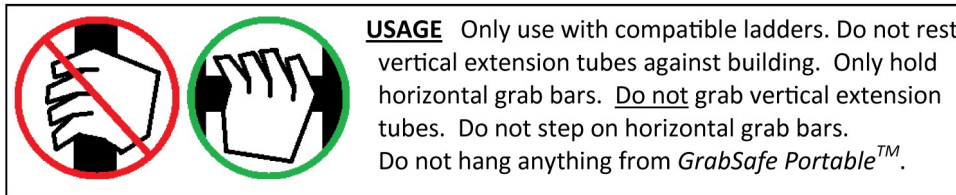
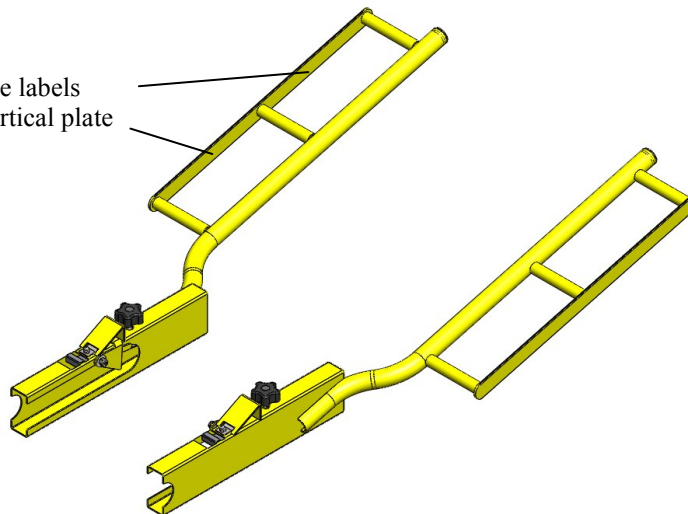


FIG. 5 Usage Label.

Installation and Usage labels found on inside of vertical plate next to grab bars





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