

# BUCKINGHAM MFG.

## BUCKINGHAM LADDER LOCK SYSTEM

### MODEL 355 T - TOP STRAP INSTRUCTIONS / WARNINGS

Ladder Lock Systems provide a ladder safety solution that includes ladder stabilizing straps and the convenience of storing the straps on the ladder.

The Buckingham Ladder Lock System is a combination of a ladder stabilizing strap and a redi-access storage bag that is attached to the ladder. The top stabilizing strap is used to secure the top of an extension ladder to a utility pole, suspension strand or tree to aid in stabilizing the top of the ladder to prevent kick-out, excessive rocking, or falling. It is not intended for any other use. The redi-access storage bag for the strap is designed to be attached between either the first and second rungs from the top of the fly section, or, the second and third rungs if the ladder is equipped with a V bracket.

Top stabilizing straps may not always be required depending on the circumstance and individual company directives.

**NOTE:** This product cannot thoroughly secure the ladder unless the ladder base is also secured, see Buckingham Model 355B. The strap is not intended to compensate for poor or uneven footing or improper ladder angle.

#### Components of the Ladder Lock System

The strap is constructed of red fabric webbing 1 inch wide with a slip through cam buckle and a snap-hook and D-ring on each end of the strap. The snap-hooks and D-rings are used to secure the ends of the strap around each side rail of the ladder and the cam buckle is used to tighten and secure the strap in place.

The redi-access storage bag is made of orange water resistant material with a hook and loop opening and adjustable friction buckles in each corner.

#### Installation of the redi-access storage bag

The bag is mounted with the hook and loop opening facing the technician, making the enclosed strap readily accessible.

With the ladder laying on the ground, the top propped up off the ground and the bag facing the technician, attach the two upper corner straps to an upper rung on the fly section of the extension ladder, the first or second rung from the top, snug up close to the bottom edge of the rung using the plastic buckles.

Now turn the ladder over and loop the two lower straps around the next rung down, slide the loose end of the strap through the plastic buckle and pull the ends to tighten.

All four straps should be as close to the side rails as possible and tight (See Fig. 1).

Now the top redi-access storage bag is ready for use. It too stays attached to the ladder during storage on the truck's ladder rack, transportation and use.

#### Installation of the Buckingham Ladder Lock System

Fig 1



#### Securing Ladder to Pole or Tree:

Step 1: Place ladder against pole at approximately a 4 to 1 ratio (for every 4 foot of ladder length, base should be out 1 foot) Fig. 2. Ensure the bottom of the ladder has been stabilized then carefully ascend the ladder and secure yourself with proper fall protection equipment, reference Fig. 3

Step 2: Open the hook and loop fastener of the storage bag mounted between the upper rungs and remove the stabilizing strap. Fig. 3

Step 3: Wrap one end of the strap around ladder side rail beneath the first, second or third rung, depending on application (V brackets are considered the first rung) and secure the snap to the D-ring with the snap facing out. Fig. 4

Step 4: Wrap the strap away from the body around the pole while keeping snug and pulling out slack, for optimum ladder stability/security, wrap the strap around the pole one and one half times crossing over itself on the backside of the pole. Then wrap around the opposite side rail and attach the snap to the D-ring with snap facing out. Fig. 5

Step 5: Tighten the strap fully by pulling slack (pull away from body and pole) through the cam buckle until tight. Fig. 6



Fig 2



Fig 3

**Note:** Do not move the base of the ladder after the top of the ladder has been secured to the pole.

**Securing Ladder to Suspension Strand - With Hooks Above Strand:**

- Step 1: After following all required safety procedures for placing the ladder against the strand, and ensuring that proper footing has been obtained for the bottom of the ladder, carefully ascend and secure yourself with proper fall protection equipment.
- Step 2: Attach the loop to the ladder rail below the 3<sup>rd</sup> rung with the snaps facing out.
- Step 3: Feed the entire strap up and around the second rung of the ladder and the suspension strand three full wraps, keeping strap as snug as possible.
- Step 4: Attach the other loop of the strap to the opposite ladder side rail below the third rung.
- Step 5: Tighten the strap by pulling slack through the cam buckle (pull away from body and ladder) until taught.

**Note:** Do not move the base of the ladder after the top of the ladder has been secured to the strand.

**Securing the Ladder to Suspension Strand - With Hooks On Strand:**

- Step 1: After following all required safety procedures for placing the ladder against the strand, and ensuring that proper footing has been obtained for the bottom of the ladder, carefully ascend and secure yourself with proper fall protection equipment.
- Step 2: Attach the loop to the ladder side rail below the second rung with the snaps facing out.
- Step 3: Feed the entire strap up and around the strand two full wraps directly next to the strand hook.
- Step 4: Cross the strap over the front (facing you) of the strand hooks, keeping strap snug, and make two full wraps around the strand directly next to and outside the opposite strand hook.
- Step 5: Attach the other loop next to the ladder side rail below the 1st rung. (Ensure spring lever is facing away from technician).
- Step 6: Tighten the strap by pulling slack through the cam buckle (pull away from body and ladder) until taught.

**Note:** Do not move the base of the ladder after the top of the ladder has been secured to the strand.

**Removal**

When the work operation is complete, remove the top strap by compressing the spring lever on the cam buckle, this will allow the strap to release and loosen.

Disconnect the snap hooks from the D-rings and remove the strap from the ladder side rails.

After removing the strap, simply roll it up, place it back into the redi-access storage bag and secure the hook and loop closure.

**Inspection of Top Strap:**

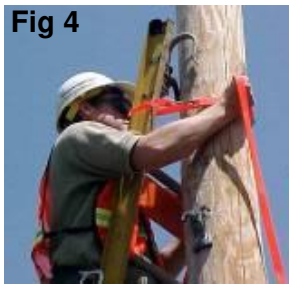
The Top Stabilizing Strap must be inspected when first received and prior to each use. The entire strap assembly must be inspected whenever there is suspicion of physical damage, such as, but not limited to cuts, abrasions, excessive stress, contact with acids, solvents or other chemicals.

Inspect the cam buckle, snaps and D-rings to ensure they are working properly. Check for cracks or breaks in the metal and ensure springs are working freely.

Through inspection, if any defects are found, the Top Strap must not be used and replaced immediately. The defective strap should be cut in half to prevent accidental reuse and disposed of in accordance with local procedures.

Inspect the bag and straps for cuts, holes or loose stitching and the buckles for any broken parts.

**NOTE:** This product can not be returned unless it is in new / unused condition.



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