

BUCKINGHAM MFG.

INSTRUCTIONS FOR THE BUCKINGHAM ROOF TOP TEMPORARY FALL PROTECTION KIT Model # 3111 & 3111G

PURPOSE : The roof top temporary fall protection kit is designed to fall protect persons installing roof-top equipment. This kit is not intended to be used as a restraint system.

USE REQUIREMENTS : This kit is intended for use when working on sloped roofs and when working within 10 feet of the edge of flat roofs.

COMPONENTS :

Model 3111

- Full body harness - model U6393600 (refer to instructions in kit on proper fit and adjustment of a harness)
- Deceleration Lanyard – BuckStop model 5V+5113H (3' overall length lanyard with a rope grab at one end and locking rope snap on opposite end.)
- 100 feet of 5/8" diameter Multiline rope – model 7+K+K4A1100 (captive eye carabiners spliced at each end).
- Carry bag - model 45400R2-18
- Throw Bag Kit – model 16-16R-150 (16 oz. Throw bag with 150' of Slickline)
- Throw Line Bag – model 4560

Model 3111G

- Full body harness - model U6393600 (refer to instructions in kit on proper fit and adjustment of a harness)
- Deceleration Lanyard – BuckStop model 5V+5114M (4' web lanyard stitched to a rope ascender at one end and locking rope snap on opposite end.)
- 100 feet of 1/2" diameter Multiline rope – model 74V41100 (locking rope snap one end, 4" length spliced eye on the opposite end.)
- Carry bag - model 45400R2-18
- Throw Bag Kit – model 16-16R-150 (16 oz. Throw bag with 150' of Slickline)

1. Throw Line Preparation

Remove throw line from packaging and secure one end to a stationary object. With a gloved hand, firmly grasp throw line at secured end and pull entire length, removing all kinks and knots. This will ensure your line does not get tangled when throwing your weight.

Throw Line Techniques



The user can tie a slippery half hitch in line, waist high. This gives him a good finger hold.



The line can be passed back through the steel ring creating two finger holds. It is then swung back and forth between the legs and tossed into the tree. Both techniques achieve great distance and accuracy.

OVER

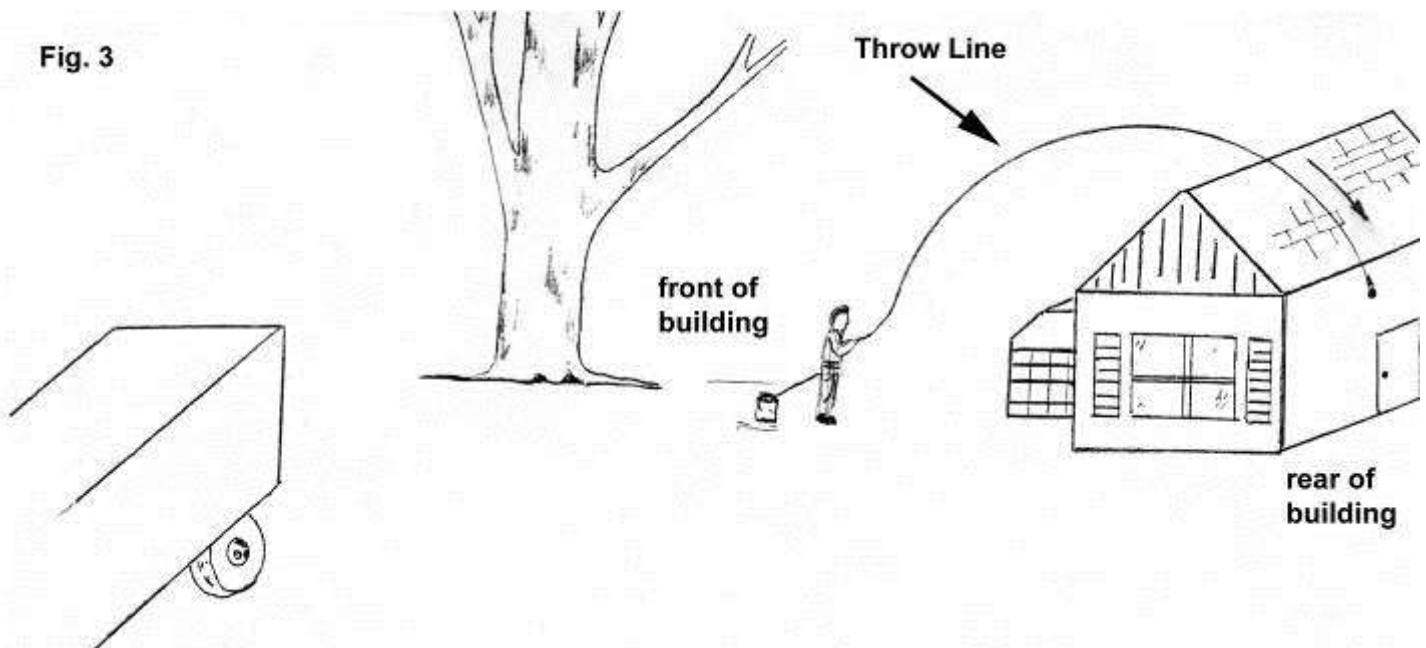
2. Proper storage of Throw Line (Model 3111 Only)

Take one end of the throw line and secure to the web loop in the bottom of the throw bag (model 4560). At this point the throw line is simply “Flaked” or “piled” end for end into the bag. Secure opposite end to the steel ring on the bag and close the bag using draw string closure.

TO INSTALL THE ROOF TOP TEMPORARY FALL PROTECTION KIT:

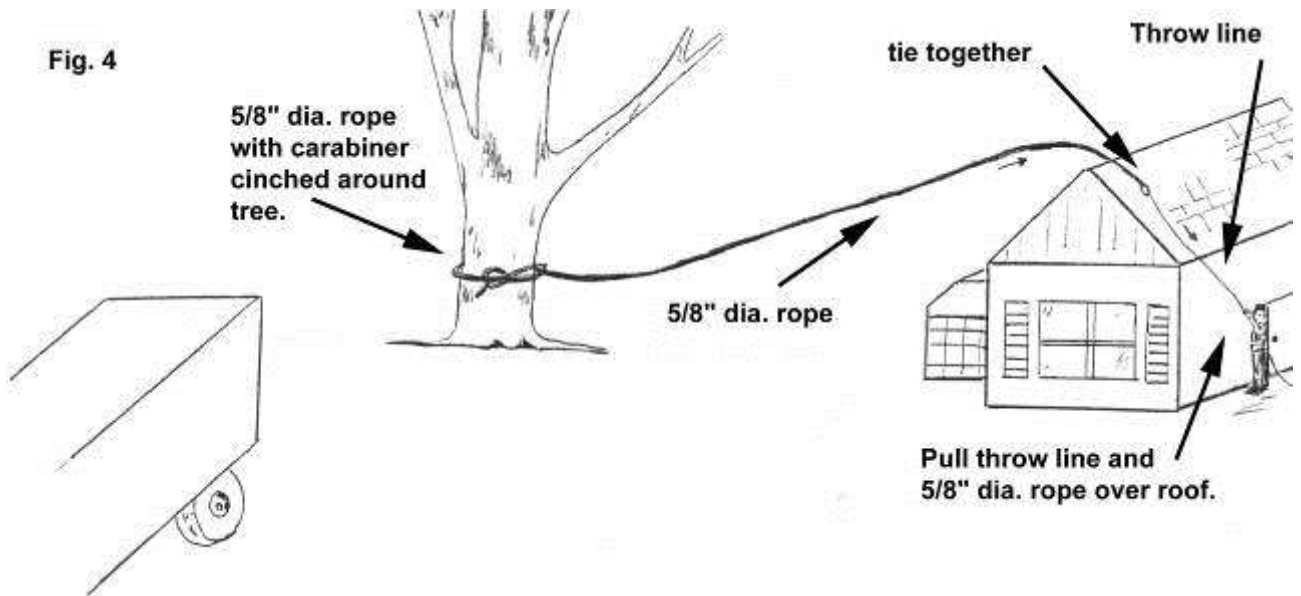
1. Determine the safest direction in which to throw the throwbag weight. (ie. If hazards exist at the rear of the building such as vehicles, power lines or trees it will be necessary to throw the throwbag from the rear to the front.) See figure 3.
2. Place throw line bag between you and your intended target. Open bag, untie end of throw line from steel ring and secure throwing weight (model 3111 only). If not already attached, securely tie the throwbag to the throwline. The weight can be thrown using either a one or two hand method. See figures 1 & 2. Prior to throwing weight, alert others with a verbal warning by shouting “Stand Clear”. Throw weight over building being careful not to come in contact with windows or other hazards on or on opposite side of building.
3. Once throw line is in place over the building, untie weight and secure one end of lifeline to throw line and carefully pull lifeline over the building. See figure 4.
4. At this point it will be necessary to determine the area of the roof on which you will be working. If you will be working on the rear side of the peak, you will need to attach your lifeline to a suitable anchor point on the front side of the building. If you will be working on the front side of the peak, you will need to attach your lifeline to a suitable anchor point on the rear side of the building.

*NOTE: If you will be working on both sides of the peak, the lifeline must be attached to a suitable anchorage on both sides of the building. It will also be necessary to have second deceleration lanyard/rope grab. This will ensure you are never disconnected from the lifeline at any point.



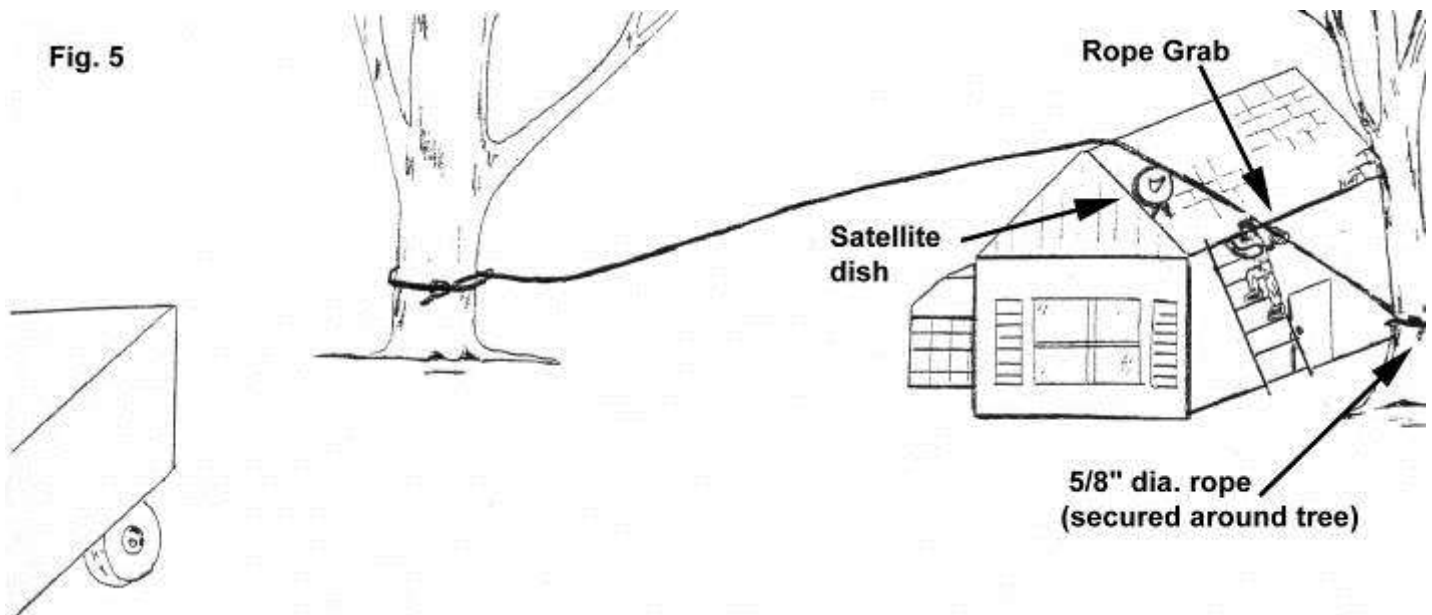
5. Anchor points (a tree, pole, or truck are all possibilities) must support a minimum of 5000 lbs. per attached worker. The technician needs to assess the complete working environment and make a judgment that the anchor point to be chosen is properly located, rigid, in good condition and adequate to meet the 5000 lb. anchor requirements. General guidelines for tying off to a tree include but are not limited to: Tree must be a healthy, sound tree with a minimum of 10" diameter; Tie off must be low to the base of the tree; Ensure the tree has no excessive decay, root rot, etc. If unsure that the anchorage point is capable of supporting the required loads, have verified by a qualified person before use. Once chosen, connect one of the connectors attached to the lifeline to the anchorage.

Fig. 4



6. Place ladder against the building or house on the side the equipment is to be installed.
7. Put on your harness and adjust it for proper fit. Attach the rope grab to the lifeline. Connect the deceleration lanyard snaphook to harness dee ring.
8. Before you climb, ensure the lifeline is secured to a suitable anchorage near the base of the ladder (do not tie or secure to ladder) or tied to a heavy object to ensure the rope grab travels up the rope.
9. If you should fall from an elevated position, the rope grab will lock, preventing serious injury or fatality.

Fig. 5



10. To aid in allowing the rope grab to easily slide down the rope as you come down the roof and ladder, you can hold the trip lever cam on the rope grab open. If you slip, remove your hand and the ascender rope grab will lock, stopping your fall.

WARNINGS:

- Read understand and follow these and all other instructions and warnings attached and/or packed with this product before use.
- This product is designed to be used by a person with a maximum weight of 350 lbs. when fully equipped.
- This equipment is intended for use by properly trained professionals only.
- Consult your doctor if there is any 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.
- Fall protection equipment, (i.e. fall arrest, work positioning belts, retrieval, suspension etc.) should not be resold or provided to others for re-use after use by original user.
- Avoid rubbing against abrasive surfaces and sharp edges.
- Use Caution when using this equipment around moving machinery and electrical wires.
- Use this product only in combination with compatible equipment.
- Equipment subjected to impact loading must be immediately removed from service, destroyed and discarded or contact manufacturer for information regarding possible repair or recertification.
- Always visually check that the carabiner or snaphook freely engages the anchor point and the gate is completely closed. Never rely on the feel or sound of a carabiner or snaphook engaging.
- Never disable the locking mechanism on the carabiner or snaphook, punch holes in or alter a connecting device or any part of this kit in any way.
- Do not let any part of this kit come into contact with any chemicals, corrosive materials, acids or basic solvents.
- Avoid working where components of this kit will be in contact with, or abrade against unprotected sharp edges. If working near sharp edges is unavoidable, protection against cutting must be provided by using a heavy pad or other means over the exposed sharp edge.
- Product covered under these instructions / warnings should not be resold / redistributed or re-used after use by original user.
- Employer - instruct employees as to proper use, warnings and cautions before use of this equipment.

MAINTAINANCE:

- Proper maintenance and storage of your equipment will prolong its useful life and contribute toward its performance. Clean equipment with water and mild soap and allow to dry thoroughly without using excessive heat. Lubricate as necessary.
- Apart from visual examination of product before and after each use, it should be inspected at least once a year by an authorized person.

INSPECTION:

Prior to and after each use, carefully inspect each component. The inspection should include, but not be limited to information contained in individual component instructions packed with this product.

NOTE: Ensure proper fit / size of product before use. This product can not be returned unless it is in new / unused condition.

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