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## **User Instructions - Installation, Use, & Maintenance for Roof Anchors Models: MRA-R, MRA-R1, 1715, 1720, 1725, 1730, 1740**

*This manual is intended to meet the manufacturer's instructions as required by ANSI Z359.1-1992 and ANSI A10.14-1991 and should be used as part of an employee training program as required by OSHA*

### **WARNING!!!**

***This product is part of a personal fall arrest or restraint system. The USER must read and follow the manufacturer's instructions for each component part of the system. These instructions must be provided to the user of this equipment. The user must not use this equipment unless the user has read and fully understands or has these instructions explained to him before using this equipment.***

***Failure to observe the limitations, cautions and warnings in these instructions can cause a loss of protection and an exposure to a fall from which serious injury, disability or death may result.***

***Warning: Consult your doctor if there is any reason to doubt your fitness from a fall arrest. Age and fitness seriously effect a workers ability to withstand fall arrest forces.***

***Warning: Do not alter or intentionally misuse this equipment, your safety may depend on it. Consult FrenchCreek Production when using this equipment in combination with components or subsystems other than those described in these instructions.***

***Keep these instructions available for immediate reference, if you have any questions about any part of these instructions, please contact FrenchCreek Production at 877-228-9327.***

### **General Requirements**

- Users shall be provided with all instructions and warnings. These warnings and instructions must be read and understood prior to using the equipment.
- This product is designed for personal fall protection. Never use fall protection equipment for purposes other than which it was designed and intended for.
- This device must only be used by trained personnel.
- Users must be physically and mentally fit, in good health, and must not have a medical history of conditions that could be aggravated by a fall. Pregnant women and minors must not use this product.
- Users must reference ANSI Z359.1 and all applicable regulatory standards pertaining to occupational safety.
- All equipment must be visually inspected prior to each use. A more thorough inspection procedure is recommended by a competent individual on a regular basis (6 month intervals recommended). Refer to the inspection criteria for more details.
- A competent person must ensure system compatibility to minimize the potential for accidental disengagement.
- Equipment must not be altered in any way. Repairs or modifications must be performed only by the equipment manufacturer or persons authorized in writing by the manufacturer.
- Any products exhibiting deformities, unusual wear, deterioration, or not passing inspection must be immediately removed from service.
- Any products subjected to fall arresting forces must be removed from service.
- Fall arrest systems must be rigged to limit the free fall distance to 6' or less and ensure that no lower level is struck.
- Fall arrest systems, when stopping a fall, must limit the maximum arresting force to 1800 lbs. or less. Forces experienced during a fall as well as prolonged suspension may cause bodily injury. In order to minimize this risk of injury, the user shall have a rescue plan and the means at hand to implement it when using this equipment.
- Always check for obstructions below the work area to make sure the potential fall path is clear. Remember that shock-absorbers can elongate up to 3 ½'.
- Environmental hazards must be considered when selecting fall protection equipment. Equipment must not be exposed to chemicals which may have a damaging effect. All synthetic materials must be protected from slag, hot sparks, open flames, or other heat sources.
- This product should not be used around moving machinery, electrical hazards, sharp edges, and abrasive surfaces.
- The maximum working load is 310 lbs. unless otherwise labeled.

## **Anchorage Warnings**

- Anchorages must be capable of supporting 5000 lbs. per worker, or be designed, installed and used as part of a system which maintains a safety factor of at least 2:1 under the supervision of a qualified person.
- Avoid swing fall hazards.
- Make sure the anchor point is at a height that limit's the free fall distance to 6' or less and ensures that no lower level is struck.
- The anchor point must be compatible with the connecting device (snaphook or carabiner) and must not be capable of causing a load to be applied to keepers. Never use an anchor point that will not allow the snap hook or carabiner gate to close completely.
- DO NOT attach more than one worker per anchor
- DO NOT use this anchor for any purpose other than personal fall arrest or restraint
- DO NOT use on exposed rafter, joists, or trusses
- DO NOT install on eaves or overhangs
- DO NOT attach to decayed or substandard lumber, or structural members
- DO NOT work more than 30 degrees from the center line of the roof anchor
- DO NOT allow lifeline to become slack
- DO NOT work above rope grab attachment point
- DO NOT use horizontally
- DO NOT use this roof anchor if the user's weight exceeds 310 lbs
- DO NOT use this roof anchor if it has been used to arrest a fall

Install only in accordance to the specific anchor installation instructions.

### **Inspection Notes:**

**Please note:** If this anchor has been subjected to fall arrest, it must be immediately removed from service and destroyed. Extreme working conditions may require increasing the frequency of inspections.

**Frequency:** Before each use, visually inspect the anchor. It must be inspected by a competent person other than the user at least annually.

**Inspection criteria for roof anchors:** Check to see that there are no cracks and that the anchor is not bent. Look to see that there is no rust or corrosion.

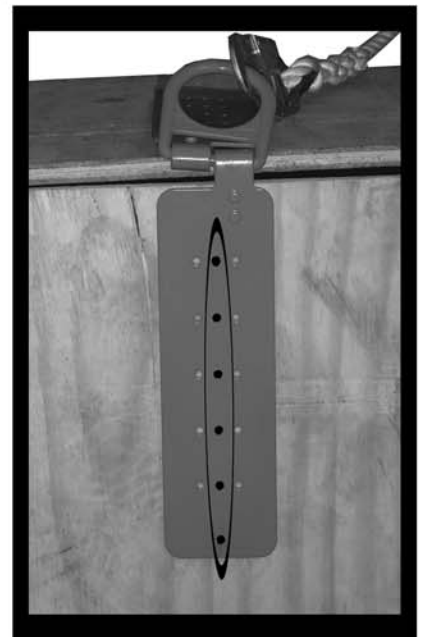
Remove from service if the anchor shows excessive wear, a defective condition, or any signs of structural deterioration or defects.

### **Maintenance**

After removing the anchor from the roof, thoroughly clean the anchor with a mild detergent. Remove any foreign residue without causing damage. Thoroughly dry the anchor before storing. Store in a dry area.

## **Note**

FrenchCreek roof anchors are part of a complete system and use of these roof anchors with non-approved components or subsystems may jeopardize compatibility between equipment and could affect the reliability and safety of the complete system.



### **Installation of 1715**

1. The roof anchor location MUST be capable of supporting a minimum 5,000 lbs static load or provide a 2:1 safety factor in the direction the fall arrest system may be activated.
2. The anchor is designed to be installed on the peak of the roof.
3. The anchor is to be attached over plywood sheathing into the structural member of the roof, such as trusses.
4. The anchor must be installed using the nails provided or screws of equivalent size and strength. A complete row of nails/screws is required on both sides of the roof peak.
5. If installing in a permanent application, screws must be used.

**WARNING:** DO NOT drive the screws in with a hammer. Screws must be properly installed by predrilling if necessary.

**WARNING:** Failure to properly secure the anchor to the roof joist with screws/nails will not provide the strength required to safely arrest a fall and the anchor could be pulled from the roof causing serious injury or death.

### **Removal**

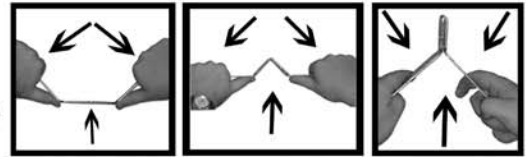
Remove the nails/screws securing the anchor. The holes in the roof deck can be covered over with an appropriate caulking material. DO NOT re-use these nails/screws. You must obtain new nails/screws the next time you install the roof anchor.



### **Installation of 1720**

**This anchor is intended for a one time installation.**

1. Before attempting to install the 1720 roof anchor, it must be formed into its proper shape. Grasp the two prongs of the anchor. Press down on the outside while forcing the middle upward. Continue in this motion until the carabiner holes align with each other and an inverted "Y" is formed.
2. The roof anchor location must be capable of supporting a minimum 5,000 lbs static load or provide a 2:1 safety factor in the direction the fall arrest system may be activated.
3. The 1720 is to be installed on the peak of the roof.
4. The anchor is to be attached over plywood sheathing into the structural member of the roof, such as trusses.
5. The anchor is to be installed using the nails provided. One nail in every hole on both sides of the anchor is required. Screws of equivalent size and strength may be substituted.
6. If installing for permanent application, screws must be used.
7. The 1720 is designed for use with a carabiner only.



**WARNING: DO NOT** drive in screws with a hammer. Screws must be properly installed by predrilling if necessary.

**WARNING:** Failure to properly secure the anchor to the roof joists with screws/nails will not provide the strength required to safely arrest and fall and the anchor could be pulled from the roof causing serious injury or death.

### **Removal**

Remove the nails/screws securing the anchor. The holes in the roof deck can be covered over with an appropriate caulking material. **DO NOT** reuse the anchor or the nails/screws.

### **Installation of 1725**

1. The roof anchor location **MUST** be capable of supporting a minimum 5,000 lbs static load or provide a 2:1 safety factor in the direction the fall arrest system may be activated.
2. The anchor is designed to be installed on the peak of the roof.
3. The anchor is to be attached over plywood sheathing into the structural member of the roof, such as trusses.
4. The anchor must be installed using the nails provided or screws of equivalent size and strength. One nail/screw in every hole is required.
5. If installing in a permanent application, screws must be used.

**WARNING: DO NOT** drive the screws in with a hammer. Screws must be properly installed by predrilling if necessary.

**WARNING:** Failure to properly secure the anchor to the roof joist with screws/nails will not provide the strength required to safely arrest a fall and the anchor could be pulled from the roof causing serious injury or death.

### **Removal**

Remove the nails/screws securing the anchor. The holes in the roof deck can be covered over with an appropriate caulking material. **DO NOT** re-use these nails/screws. You must obtain new nails/screws the next time you install the roof anchor.



### **Installation of 1730**

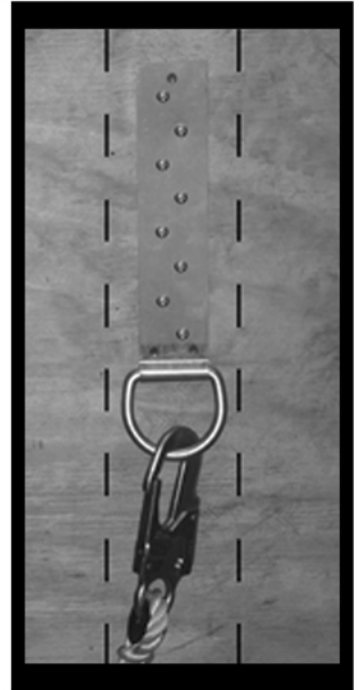
1. The roof anchor location MUST be capable of supporting a minimum 5,000 lbs static load or provide a 2:1 safety factor in the direction the fall arrest system may be activated.
2. The anchor is designed to be installed vertically as a wall mount. The direction of the force applied to the wall anchor must be in a vertical orientation, parallel to the wall and not perpendicular to the wall.
3. The anchor is to be attached to a structural member such as a truss or stud.
4. The anchor must be installed using the provided screws. One screw in every hole is required.

**WARNING:** DO NOT drive the screws in with a hammer. Screws must be properly installed by predrilling if necessary.

**WARNING:** Failure to properly secure the anchor to the truss/stud with screws/nails will not provide the strength required to safely arrest a fall and the anchor could be pulled from the roof causing serious injury or death.

### **Removal**

This anchor is intended for permanent installation. If removal of anchor is desired, remove the nails/screws securing the anchor. The holes in the wall can be covered over with an appropriate caulking material. DO NOT re-use these nails/screws. You must obtain new nails/screws the next time you install the roof anchor.



### **Installation of 1740**

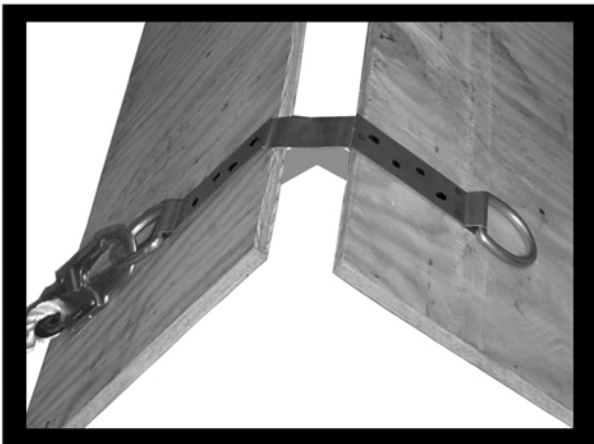
1. The roof anchor location MUST be capable of supporting a minimum 5,000 lbs static load or provide a 2:1 safety factor in the direction the fall arrest system may be activated.
2. The anchor is designed to be installed under the ridge cap and attached to the structural members such as joists or trusses.
3. The anchor must be installed using the provided fasteners. The model 1740 is provided with 16d nails, while model 1740S is supplied with #10 X 3" pan head screws. One fastener is in every hole on both sides of the anchor is required.

**WARNING:** DO NOT drive the screws in with a hammer. Screws must be properly installed by predrilling if necessary.

**WARNING:** Failure to properly secure the anchor to the roof joist with screws/nails will not provide the strength required to safely arrest a fall and the anchor could be pulled from the roof causing serious injury or death.

### **Removal**

This anchor is intended for permanent installation. If removal of anchor is desired, remove the nails/screws securing the anchor. The holes in the roof deck can be covered over with an appropriate caulking material. DO NOT re-use these nails/screws. You must obtain new nails/screws the next time you install the roof anchor.

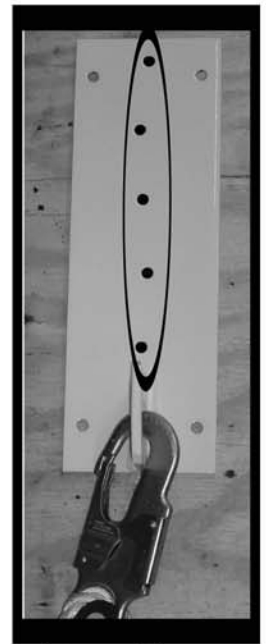


## **Installation of MRA-R and MRA-R1**

1. The roof anchor location **MUST** be capable of supporting a minimum 5,000 lbs static load or provide a 2:1 safety factor in the direction the fall arrest system may be activated.
2. The anchor **MUST** be installed 6 inches from the ridge line.
3. The MRA removable anchor is designed to be attached over plywood sheathing installed over trusses or rafters with 24" o.c. maximum spacing. The use of anything less than plywood will require dimensional lumber backing secured firmly by end nailing/screwing through the framing members prior to installing the anchor.
4. The anchor must be installed by using lag screws in the pre-drilled holes found in the anchor. First, use the longer screws (1/4" x 3 1/2") to fasten the anchor through the sheathing and into the truss. You must line up the center line holes in the anchor with the joist so that all screws penetrate the sheathing and the joist. Next use the shorter screws (1/4" x 1 1/2") to fasten the anchor's outside corners to the roof deck. This prevents excessive twisting and is an added safety feature.

**WARNING:** DO NOT drive the screws in with a hammer. Screws must be properly installed by predrilling as necessary.

**WARNING:** Failure to properly secure the anchor to the roof joist with all lag screws will not provide the strength required to safely arrest a fall and the anchor could be pulled from the roof causing serious injury or death.



## **Removing the roof anchor**

Remove the screws securing the anchor. The holes in the roof deck can be covered over with an appropriate caulking material. DO NOT re-use these screws. You must obtain new lag screws the next time you install the roof anchor.

Figure 1



**WARNING:** When attaching the lifeline to the connecting eye on the anchor, be sure to rig as in Figure 1. DO NOT rig so that the snaphook keeper will experience any force in the event of a fall (Figure 2).

Figure 2

