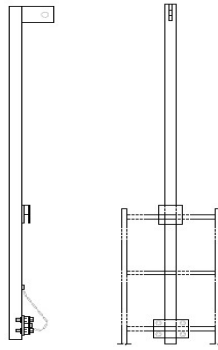




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Instructions for the following series product:
 LAD-TOP (Ladder Tie Off Post)
Models included:
 Series 1 & Series 2 (Z359.18 Anchor type A)

USER INSTRUCTION MANUAL

LAD-TOP Fall Protection anchor connector.

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

Important

LAD-TOP device shall only be used within the minimum service temperature range of -30 degrees F (-34 degrees C) and +130 degrees F (+54 degrees C)

Important: The LAD-TOP anchorage connector has been tested in compliance with ANSI/ASSE Z359.7. This testing only covers the LAD-TOP devices and associated components provided by the manufacturer and does not extend to the anchor or substrate to which the LAD-TOP device is attached. LAD-TOP device shall only be attached to an appropriate anchor that: i) can withstand 5,000 pounds (22.2kN) without failure, except that lower strengths are acceptable when permitted by applicable legislation; or ii) are certified by a professional engineer as having the required strength for fall arrest or travel restraint, as applicable.

Specifications / Materials

Series / Model / Component	Material	Overall Length	Material Dimension
Series 1	Galvanized Steel	5'-6 1/2"	2"X2" X 1/8" Tubing
Series 2	Galvanized Steel	8'- 6 1/2"	1-1/2" X 3" X 1/8" Tubing
Bolts (4)	ASTM A307	2 1/2"	5/8" Diameter
Lock Washer (4)	ASTM A307	NA	5/8" Internal Diameter
Nut (4)	ASTM A307	NA	5/8" Internal Diameter

1.0 APPLICATION

1.1 Purpose: LAD-TOP ladder tie off posts are designed to provide protection against falling for persons connected to the system while climbing fixed ladders. The average dynamic arresting forces and static load test measured during testing through the ISO 17025 approved testing laboratory are available upon request.

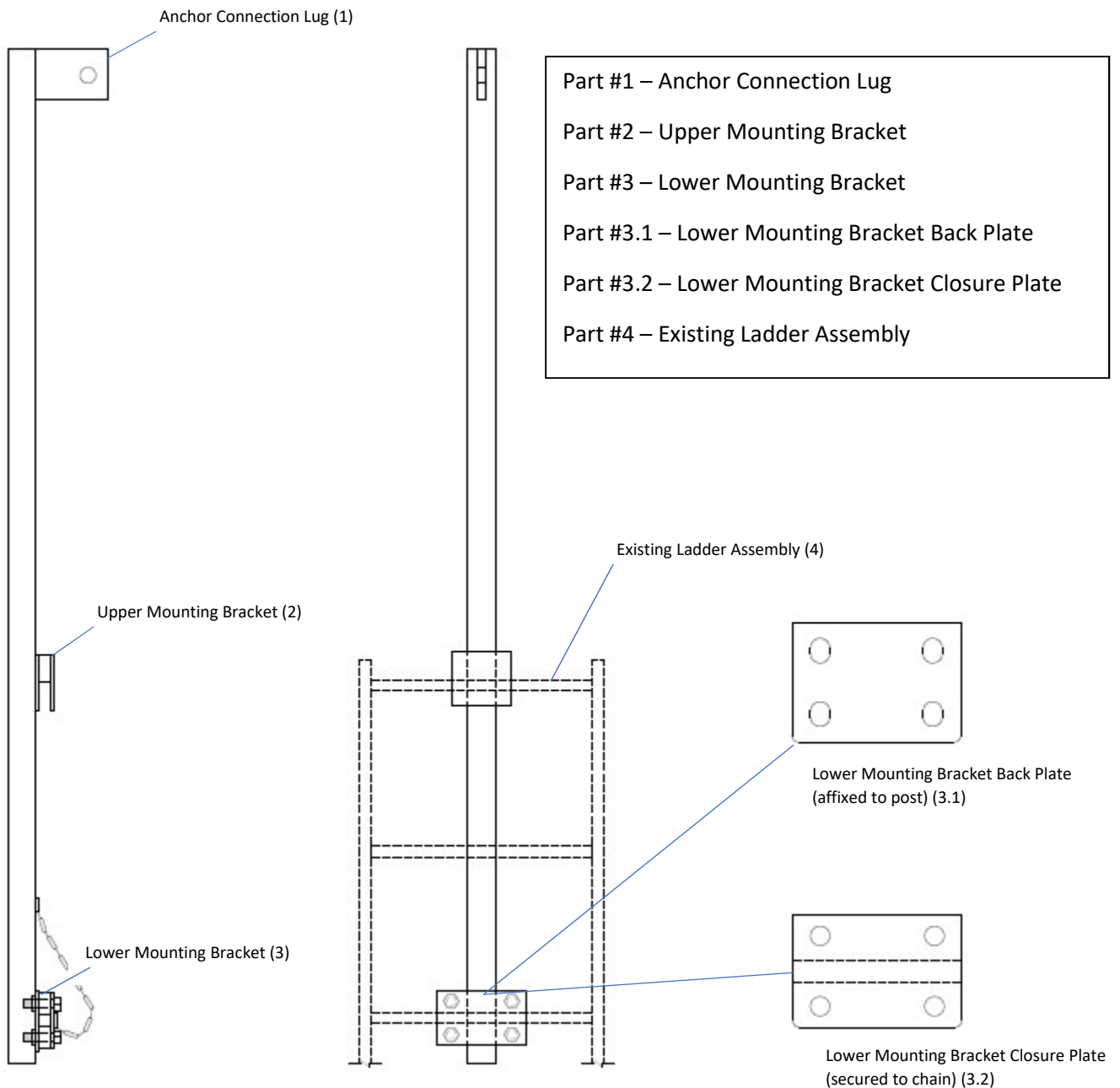
1.2 Limitations: The LAD-TOP system is not intended to be installed on portable ladders. These systems are designed for use on ladders that are generally vertical. Ladders must be at least 75 degrees from horizontal for proper system operation. The anchor or substrate in which LAD-TOP is attached must be deemed capable of withstanding the anchor requirements defined in this manual.

This device is specifically designed to be used as part of a personal fall arrest system and shall not be permitted or used for any other purposes. Only one person may be attached to the LAD-TOP designated anchor connection lug. The designated connector point shall be installed so that the elevation of the attachment point is located above the user harness connections so that the forces applied to the LAD-TOP are only applied in a downward direction.

No alterations of any kind are permitted to be made to the LAD-TOP device. If there is any question or problem with the LAD-TOP device, please contact Healthworks Safety for support. Only approved fall protection devices are to be used in conjunction with the LAD-TOP and must only be attached to the device at the anchor connection lug.

1.3 TRAINING: This equipment is intended to be installed and used by persons who have been trained in its correct application and use.

2.0 Component Descriptions



3.0 Installation and Use

3.1 Ensure the surface of the existing ladder rungs are free of any surface contamination that may prevent the rung surfaces from directly contacting the upper and lower mounting brackets of the LAD-TOP.

3.2 Secure an area below the installation area to ensure that personnel and equipment are protected from the potential of dropped objects during installation. There are potential for several loose fasteners and tools to be dropped so care must be taken to ensure they do not cause harm. It is suggested as an industry best practice to secure tools to tethering devices during installation.

3.3 Ensure that during installation where a fall hazard exists to the installer(s), personal fall arrest systems are utilized to ensure the fall is arrested if the condition exists. Personnel installing the LAD-TOP device shall be familiar with the associated fall hazards and have the appropriate training as defined in the applicable ANSI and OSHA fall protection standards.

3.4 Once all of the LAD-TOP components are located at the elevation where the LAD-TOP device is to be installed, begin by lifting the LAD-TOP assembly with the anchor connecting lug (1) located vertically in the top orientation and lower mounting bracket (3) in the

bottom orientation. It should be noted that the LAD-TOP device is intended to be used on existing ladder rung components with a nominal dimension of ¾" diameter and rung spacing of 12" on center for the device to securely attach to the existing ladder assembly. If the existing ladder assembly has nominal dimensions other than ¾" diameter rungs or rung spacing other than 12" on center, contact Healthworks Safety for alternative design dimension availability. Do not attempt to install the LAD-TOP device on an existing ladder assembly if the dimensions are not compatible as described.

3.5 Set the upper mounting bracket (2) on to the top ladder rung of the existing ladder assembly.

3.5.1 For a series 1 device, locate the horizontal positioning in the center of the ladder assembly.

3.5.2 For a series 2 device, locate the horizontal position either all the way to the left or right orientation on the ladder run to allow for the user to pass directly through the ladder when reaching the platform or walking / working surface.

3.6 With the LAD-TOP properly positioned in the correct horizontal orientation on the ladder assembly, line up the lower closure bracket closure plate (3.2) placed over the ladder rung and aligned with existing hole on the lower mounting bracket back plate (3.1)

3.7 Using the included fasteners provided with the LAD-TOP, insert the bolts through the front of the lower closure bracket closure plate (3.2) until it passes through the lower mounting bracket back plate (3.1). Place the lock washer on the bolt and then the nut on the bolt and tighten the nut to the recommended torque value of 30-35 ft-lbs. Continue this process for all four fasteners provided.

3.8 Once the LAD-TOP has been completely secured using all four fasteners, attach the connector device (i.e. self-retracting lifeline or equivalent) with the appropriate connector such as an approved fall protection carabiner or similar to the anchor connection lug (1) at the top of the LAD-TOP device. The design of the LAD-TOP is to ensure that the anchorage connection allows the user to minimize the free fall distance by having the anchor connector located as high as possible. **IMPORTANT:** User must ensure that the use of their personal fall arrest components (harness, SRL, lanyards, etc) are used in accordance those manufacturers' recommendations along with the requirements established in the applicable OSHA and ANSI fall protection standards.

WARNING: The LAD-TOP device is only to be used as part of a complete personal fall arrest system and shall never be used for any other purpose other than personnel fall protection applications.

4.0 Inspection, Maintenance and Storage

4.1 Authorized personnel should inspect the LAD-TOP device before each use to ensure there are no visible problem prior to using the device.

4.2 In addition to the daily visual inspection, a Competent Person shall conduct inspection of the LAD-TOP device annually at a minimum. The criteria for inspection shall be established by the program administrator and shall include at a minimum the requirements set forth in this user instruction manual and any applicable ANSI and OSHA requirements. This inspection shall be documented and retained by the program administrator using the specific serial number of each device contained on the LAD-TOP product label, date of inspection and name of competent or qualified person performing the inspection.

4.3 If an inspection reveals any of the following conditions, permanently remove the product from service or it shall undergo recommended corrective maintenance in collaboration with Healthworks Safety.

- Any defect in the device or fasteners such as cracks, corrosion, chemical attacks, alteration or excessive wear; or
- Damage to the device; or
- Inadequate maintenance of the device; or
- Absence or illegibility of product label; or
- Deformation of the device that may have been the result of the device being loaded beyond design criteria

4.4 If the LAD-TOP device has been involved in an arrested fall or found to be damaged, the equipment must be removed from service. Additionally, the device must be clearly labeled or marked to indicate it is not for use and either disposed of or serviced as recommended by Healthworks Safety.

4.5 The LAD-TOP is built to be corrosion resistant due to the galvanizing process, however it is recommended when not installed that the LAD-TOP device be stored in an environment with no potential to degrade the material and be protected from damage while in storage.

5.0 Product Label



LAD-TOP
Ladder Tie Off Post

This product complies with the following standards
ANSI Z359.18 Type A
OSHA 1910.140 & 1926.502

MFRD (YR/MO)	Serial #	Model	Minimum Breaking Strength (MBS)
			5000 Lbs (22kN)

Minimum Service Temperature Range: -30 degrees F (-34 degrees C) and +130 degrees F (+54 degrees