

**Comfort GlideLoc
Fall Arrester**



**Comfort² GlideLoc
Fall Arrester**



**Universal II GlideLoc
Fall Arrester**



GlideLoc[®] **Vertical Height Access Ladder System Kits**

User Instruction Manual

Manuel D'utilisation / Manual de Instrucciones para El Usuario

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Thank You

Thank you for your purchase of Miller Fall Protection equipment. Miller brand products are produced to meet the highest standards of quality at our ISO 9001 certified facility. Miller Fall Protection equipment will provide you with years of use when cared for properly.

WARNING

All persons using this equipment must read, understand and follow all instructions. Failure to do so may result in serious injury or death. Do not use this equipment unless you are properly trained.

Questions?

CALL
1.800.873.5242

It is crucial that the authorized person/user of this fall protection equipment read and understand these instructions. In addition, it is the employer's responsibility to ensure that all users are trained in the proper use, inspection, and maintenance of fall protection equipment. Fall protection training should be an integral part of a comprehensive safety program.

Proper use of fall arrest systems can save lives and reduce the potential of serious injuries from a fall. The user must be aware that forces experienced during the arrest of a fall or prolonged suspension may cause bodily injury. Consult a physician if there is any question about the user's ability to use this product. Pregnant women and minors must not use this product.

1.0 Purpose

The innovative GlideLoc® Vertical Height Access Ladder System Kit is designed to be permanently installed to existing vertical fixed ladders to provide superior worker maneuverability and fall protection in ladder climbing applications. It is ideal for wind power/turbines, telecommunications, utilities, industrial facilities, drilling rigs/platforms, shipbuilding, crane installation and confined space. The GlideLoc System meets OSHA, CSA Z259.2.1-98 and ANSI A14.3-08.

2.0 General Requirements, Warnings and Limitations

2.1 General Fall Protection Warnings

All warnings and instructions shall be provided to authorized persons/users. Warnings and instructions must be read and understood prior to using this equipment.

All authorized persons/users must reference the regulations governing occupational safety, as well as applicable standards (i.e, ANSI or CSA).

Proper precautions should always be taken to remove any obstructions, debris, material, or other recognized hazards from the work area that could cause injuries or interfere with the operation of the system.

All equipment must be inspected before each use according to the manufacturer's instructions.

All equipment should be inspected by a qualified person on a regular basis.

To minimize the potential for accidental disengagement, a competent person must ensure system compatibility.

Equipment must not be altered in any way. Repairs must be performed only by the equipment manufacturer, or persons or entities authorized, in writing, by the manufacturer.

Any product exhibiting deformities, unusual wear, or deterioration must be immediately discarded.

Do not use if the unit or any part of the system appears to be damaged.

Any equipment subject to a fall must be removed from service. (Refer to 9.0 Inspection and Maintenance.)

The user shall have a rescue plan and the means at hand to implement it when using this equipment.

Never use fall protection equipment for purposes other than those for which it was designed. Fall protection equipment should never be used for towing or hoisting.

Never remove product labels, which include important warnings and information for the authorized person/user.

2.2 System Warnings and Limitations

System Compatibility

GlideLoc Kits are designed for use with Miller approved components. Substitution or replacement with non-approved component combinations, sub-systems, or both, may affect or interfere with the safe function of each other and endanger the compatibility within the system. This incompatibility may affect the reliability and safety of the total system.

GlideLoc Kits must be used in conjunction with the Comfort GlideLoc Fall Arrester with auto-locking carabiner, Comfort² GlideLoc Fall Arrester with auto-locking carabiner, or the Universal II GlideLoc Fall Arrester with auto-locking carabiner and a Miller full-body harness equipped with a front attachment point designated for ladder climbing.

[NOTE: All instructions and warnings provided with the fall arrester and harness must be read and understood before using the equipment.]

System Capacity

The GlideLoc System can sustain multiple users so long as the load-bearing capacities of the base structure, ladder and ladder attachment are adequate. One (1) person per guide rail section is permitted. The distance between users must not be less than 7 ft. (2.1m) to ensure that, in the event of a fall, the person falling will not strike a user below. The maximum number of workers allowed by ANSI A14.3 is four (4) per system.

Fall Clearance

Ensure that adequate clearance exists in the fall path to avoid striking a lower level, some other object, or another user.

Maximum Arrest Distance

The maximum arrest distance of the Comfort, Comfort² and Universal II fall arresters when dynamically tested in accordance with the requirements of the CSA Z259.2.1-98 standard is 6 in. (152mm).

Fall Arrester Capacity

Fall arresters are designed for use by one person only. Maximum capacity is 310 lbs. (140.6kg). **DO NOT EXCEED THIS WEIGHT.**

Environmental Hazards

Use of this equipment in areas where environmental hazards exist may require additional precautions to limit the possibility of injury to the user or damage to the equipment. Hazards may include, but are not limited to, extreme temperatures, caustic chemicals, corrosive environments, high voltage power lines, explosive or toxic gases, moving machinery, and sharp edges. Do not expose the equipment to any hazard which it is not designed to withstand. Consult the manufacturer in cases of doubt.

- Guide rail must be kept clean--free of dirt, residual mortar, and other substances.
- Use of this system is not suitable when the user is positioned on an unstable surface, fine-grain material, or particulate.

3.0 System Requirements

Before installation of a GlideLoc Kit, the structure and ladder on which the system is to be affixed must be certified to be capable of withstanding the potential loads that may be applied in the event of a fall arrest and must meet the specified ladder requirements.

Ladder Requirements

For the kits, a ladder must be a fixed ladder with rungs having outer diameters between 3/4 inch (19.1mm) and 1-1/4 inches (31.8mm). For ladder rungs with larger diameters, rung clamps with longer hardware are available which will accommodate rungs up to 1-3/4 inches (44.5mm).

According to ANSI A14.3, the minimum width of the ladder must be 16 inches (406.4mm) from inside rail to inside rail.

For non-standard ladder rungs, please contact Miller Technical Services at 800-873-5242 for additional information and installation assistance.

The integrated shock absorber of the Comfort, Comfort² and Universal II fall arresters limits fall arrest forces to 832 lbf. (3.7kN) using a 220 lb. (100 kg) rigid weight. This is the maximum force on a ladder system for a single user.

To calculate the maximum working load rating on a ladder system with more than one user, the following formula can be used as a guide:

$$\text{Ladder Working Load Rating} = (\text{Fall Arrest Force} + (\text{Maximum \# of Users} - 1 \times \text{Weight of Worker}))$$

Example: Ladder rated for 4 users at 250 lbs. each

$$\begin{aligned} \text{Ladder Working Load Rating} &= (832 \text{ lbs.} + (3 \times 250 \text{ lbs.})) \\ &= 1582 \text{ lbs. Ladder Working Load} \end{aligned}$$

To calculate the maximum working load rating on an individual ladder rung for more than one user, the following formula can be used as a guide:

$$\text{Ladder Rung Working Load Rating} = \frac{(\text{Fall Arrest Force} + (\text{Maximum \# of Users} - 1 \times \text{Weight of Worker}))}{\text{\# of Ladder Clamps}}$$

Example: Ladder rated for 4 users at 250 lbs. each on a GS0040 system:

$$\begin{aligned} \text{Ladder Rung Working Load Rating} &= \frac{(832 \text{ lbs.} + (3 \times 250 \text{ lbs.}))}{7} \\ &= 226 \text{ lbs. per Ladder Rung} \end{aligned}$$

Important Notes:

1. Working load rating DOES NOT INCLUDE A SAFETY FACTOR.
2. Specific ladder compliance standards may vary and must be used when required to determine rung force requirements and safety factors.
3. The maximum fall arrest force of 832 lbf (3.7kN) is equal to the impact force for up to a 310 lb. (140.6kg) user.

4.0 Kit Diagram and Description of Components

4.1 GlideLoc System Kit

1) Gated Top End Stop

- Prevents incorrect insertion of the fall arrester and unintended disengagement of the fall arrester from the rail.

2) Rung Clamp

- Secures guide rail to ladder rungs.
- Available in galvanized steel, stainless steel and aluminum.

3) Comfort or Comfort² Fall Arrester

- *Fall arrester purchased separately.*
- Durable stainless steel and aluminum construction (Comfort) or complete stainless steel construction for maximum corrosion-resistance (Comfort²).
- Quick and easy to install with single-hand operation.
- The safety pin protruding from the side of the fall arrester, together with the end stop, prevents the fall arrester from being inserted incorrectly in the rail.
- Allows smooth, hands-free climbing with or without leaning back.
- Locks quickly in the event of a fall.
- Integrated shock absorber/fall indicator limits fall arrest forces to 832 lbf. (3.7kN) and provides for ease of inspection.

OR

Universal II Fall Arrester

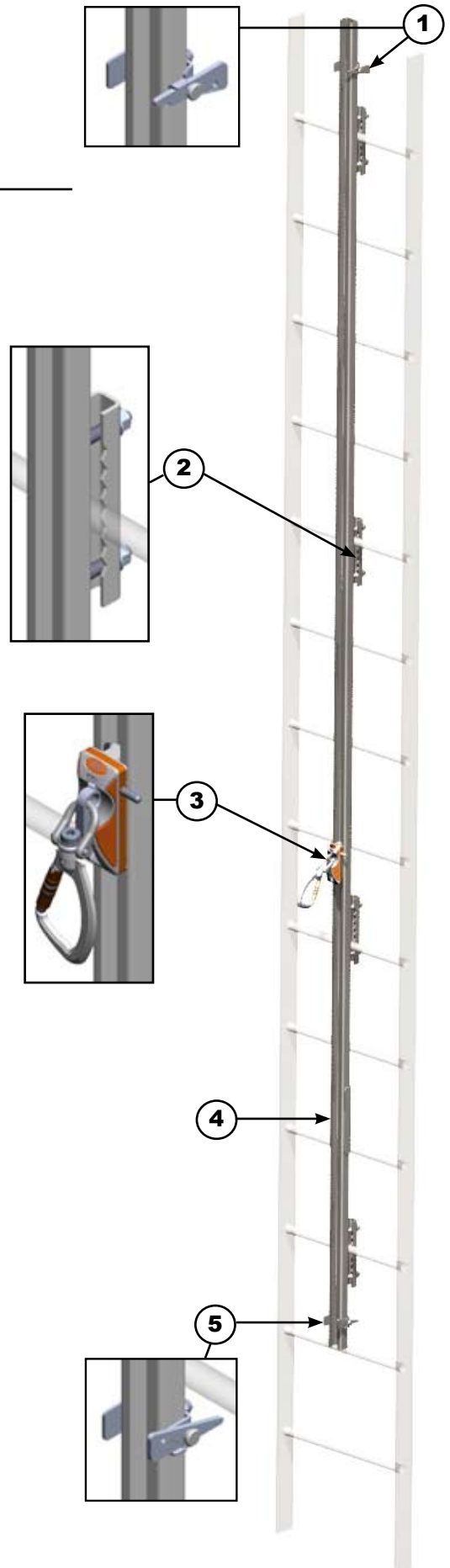
- *Fall arrester purchased separately.*
- Complete stainless steel construction for maximum corrosion-resistance.
- May be inserted or removed at any point along the guide rail.
- Quick and easy to install with single-hand operation.
- Failsafe design ensures correct usage.
- Allows smooth, hands-free climbing.
- Locks quickly in the event of a fall.
- Integrated shock absorber/fall indicator keeps fall arrest forces to 832 lbf. (3.7kN) and provides for ease of inspection.

4) Guide Rail w/Rail Connector

- Installs easily to vertical fixed ladders with varying rung diameters and spacing.
- Markings identify the upper end of the rail to prevent incorrect installation.
- Rail connector connects two guide rails sections.
- Rail available in 10 ft.-1 in. (3.08m) increments in galvanized steel, stainless steel and aluminum

5) Gated Bottom End Stop

- Prevents incorrect insertion of the fall arrester and unintended disengagement of the fall arrester from the rail.



4.2 System Replacement Parts

Part No.	Component	Description
14622	Galvanized Vertical Rail with Rail Connector	10 ft.-1 in. (3.08m) length of galvanized steel rail with rail connector and hardware.
16852	Stainless Steel Vertical Rail with Rail Connector	10 ft.-1 in. (3.08m) length of stainless steel rail with rail connector and hardware.
15729	Aluminum Vertical Rail with Rail Connector	10 ft.-1 in. (3.08m) length of aluminum rail with rail connector and hardware.
21050	Stainless Steel Gated Top End Stop	Allows for entering and exiting the top of the system with the fall arrester; includes hardware.
21049	Stainless Steel Gated Bottom End Stop	Allows for entering and exiting the bottom of the system with the fall arrester; includes hardware.
10903	Galvanized Rung Clamp	Secures rail to ladder rungs with up to 1 in. (25.4mm) diameter; includes hardware.
14809	Stainless Steel Rung Clamp	Secures rail to ladder rungs with up to 1 in. (25.4mm) diameter; includes hardware.
14804	Galvanized Rung Clamp	Secures rail to ladder rungs with up to 1-1/4 in. (31.8mm) diameter; includes hardware.
14813	Stainless Steel Rung Clamp	Secures rail to ladder rungs with up to 1-1/4 in. (31.8mm) diameter; includes hardware.
14805	Galvanized Rung Clamp	Secures rail to ladder rungs with up to 1-3/4 in. (44.5mm) diameter; includes hardware.
14814	Stainless Steel Rung Clamp	Secures rail to ladder rungs with up to 1-3/4 in. (44.5mm) diameter; includes hardware.
Part No.	Optional Component	Description
11634	Stainless Steel Rigid End Stop	Prevents the fall arrester from being removed from the system; may be installed at the top or bottom of the system; includes mushroom head square neck bolt, B4 DIN 9021 washer, and M8 DIN 985 self-locking nut.
19091	Galvanized Side Mount Clamp	Enables mounting rail along the side of the ladder; includes hardware.
17065	Stainless Steel Shaft Entering Device	Allows for safe entry into a shaft, such as a manhole; includes hardware; must be used in conjunction with the coupling (Part #16191).
16191	Stainless Steel Shaft Entering Device Coupling	Attaches to the top of GlideLoc rail to allow use of shaft entering device (Part #17065); includes hardware.
23724	Foldable Foot Rest	Provides workers with a rest platform within the system; includes hardware.
Model No.	Fall Arrester	
22697	Comfort GlideLoc Fall Arrester with swivel auto-locking carabiner. Constructed of stainless steel and aluminum.	
23331	Comfort ² GlideLoc Fall Arrester with swivel auto-locking carabiner. Constructed completely of stainless steel.	
23531	Universal II GlideLoc Fall Arrester with swivel auto-locking carabiner. Constructed completely of stainless steel.	

5.0 System Installation

- Before installation, carefully inspect all components of the system according to the manufacturer's instructions (see 9.0 Inspection and Maintenance). Do not use if there are any damaged or missing parts (see 4.2 System Replacement Parts).
- Ensure that the structure/ladder on which the GlideLoc Kit is to be affixed is capable of withstanding loads resulting from a fall (see 3.0 System Requirements).
- Guide rail sections must be clean--free of dirt, residual mortar, and other substances--before installing.
- When installing components throughout the system, bolts must be inserted from the front of the system to the back to ensure proper operation of the fall arrester on the rail.
- Use only Miller approved components and fasteners in this system. Do not use substitute parts.

WARNING: Secondary personal fall protection is required during installation. Persons installing the system must use caution and shall not be exposed to a fall hazard during the installation procedure. Do not connect to any partially installed component within the system.

System Installation Overview: The GlideLoc System may be installed from the bottom of the ladder up or from the top down. Consideration should be given to the length of the system, the ladder application, the availability of scaffolding, the top rail requirements, etc.

Top Rail Requirements -- The top rail section of the system must be a complete 10 ft.-1 in. (3.08m) section. The top rail section cannot extend above the top ladder rung by more than 36 in. (914mm). It is recommended that the bottom rail section be modified or cut to meet these requirements. Therefore, if it is not possible to measure or calculate whether the top rail section will meet these requirements due to the length of the ladder and system, it may be necessary to install the system from the top of the ladder down to ensure compliance.

Tools Required for Installation: 3/4" and 11/16" or 19mm and 17mm tools required for most hardware.

5.1 Installation of the Bottom Guide Rail Section to Ladder using Rung Clamps

IMPORTANT: To prevent incorrect installation of the guide rail to the ladder, all rail sections are marked by the manufacturer with a red plastic ribbon attached at the upper end of the rail and an arrow stamping placed directly underneath the upper oblong hole (see Fig. 1a). During installation, the arrow stamping must always point upwards. In addition, the front of the guide rail (where the fall arrester will slide) must face outwards on the front of the ladder.

NOTE: Rung clamps must be spaced a maximum of 7 ft. (2.1m) apart (from center to center - see Fig. 1b) throughout the system. Never install a system with fewer than four (4) rung clamps.

1. Place the back of the guide rail section flat against the rungs of the ladder at the desired height and hold in place.
2. Install the rung clamp by placing the clamp jaws over a ladder rung and aligning the holes on the rung clamp with the oblong holes in the guide rail. Insert first bolt through the aligned holes above the ladder rung and attach washer, lockwasher and nut (see Fig. 1c - *Note: Stainless steel and aluminum rung clamps do not require a lockwasher as a self-locking nut is used*). Insert second bolt through the aligned holes below the ladder rung and attach washer, lockwasher and nut. Torque fasteners to 18.5 ft. lbs. (25Nm).

Follow above procedure to install additional rung clamps ensuring that clamps are spaced according to specifications.

Fig. 1a

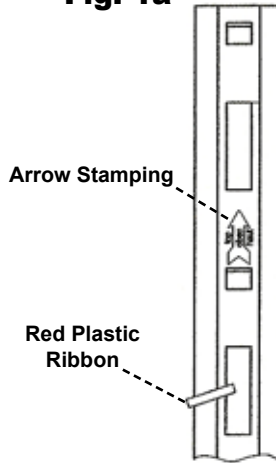


Fig. 1b

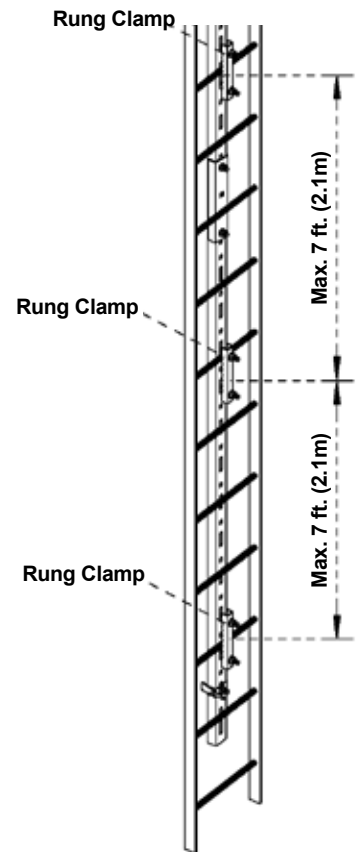
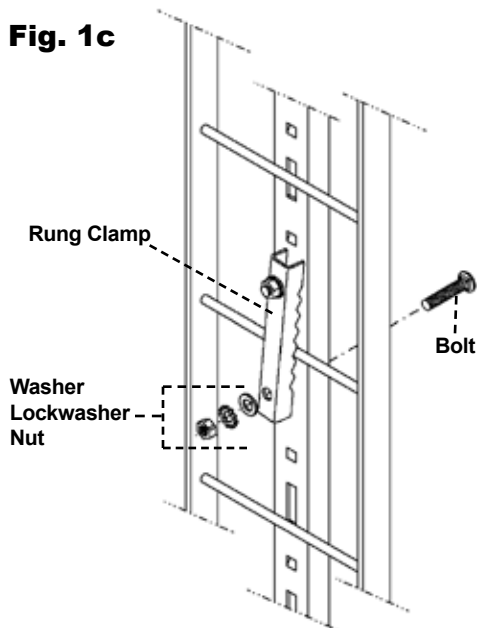


Fig. 1c



5.2 Installation of Gated Bottom End Stop

1. Fix the bottom end stop to the back of the bottom guide rail section, aligning the hole in the end stop with the oblong hole in the guide rail located above the second notch (see Fig. 2a). NOTE: The gate on the end stop must be located on the right side of the guide rail when facing the front of the system.
2. Insert bolt (front to back) through the aligned holes and attach washer and nut. Tighten fastener until snug.

WARNING: In order to prevent incorrect insertion of the fall arrester to the guide rail, it must only be inserted after the Bottom End Stop has been installed.

IMPORTANT: If the ladder is not mounted at ground level, a second bottom end stop must be installed (see Fig. 2b). The second bottom end stop should be located approximately 5 ft. (1.5m) from the bottom of the rail. This will ensure maximum safety for a worker when descending.

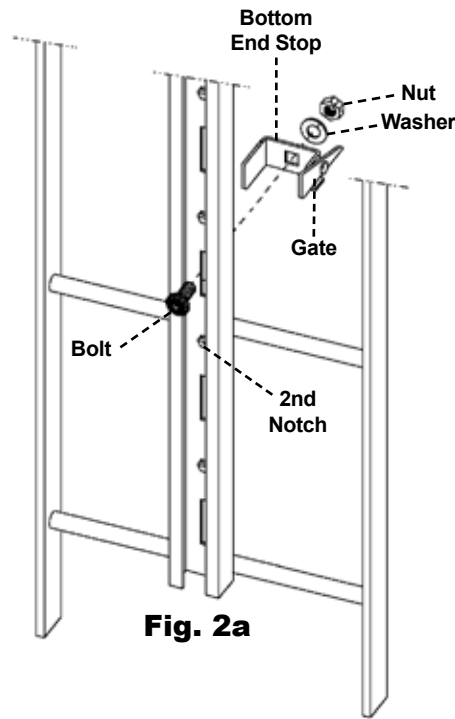


Fig. 2a

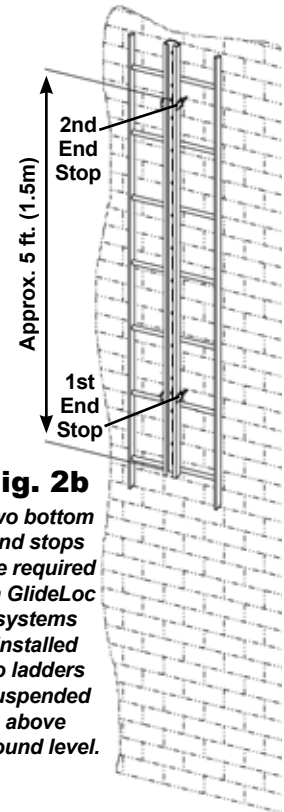


Fig. 2b
Two bottom end stops are required on GlideLoc systems installed to ladders suspended above ground level.

5.3 Installation of Additional Guide Rail Sections

1. Remove upper bolt from rail connector if attached.
2. To install additional guide rail, rest the next rail section against the ladder and insert it vertically into the previously fixed guide rail section (see Fig. 3a).

NOTE: Under positive ambient temperature, the minimum gap width between guide rail sections is 1/16 in. (2mm). Under negative ambient temperature, the minimum gap width is 2/16 in. (3mm). The maximum gap width of 3/16 in. (5mm) must not be exceeded, independent of ambient temperature.

3. Insert upper bolt through added rail section and rail connector and attach washer, lockwasher and nut. (NOTE: The nut should only be tightened when the added rail section is in alignment to the lower section and at least one rung clamp of the upper section has been installed.)
4. Secure additional guide rail section using rung clamp(s). Follow step 2 in section 5.1.
5. Torque rail connector fasteners to 18.5 ft. lbs. (25Nm).

WARNING: Bolts pre-assembled at the manufacturer must also be tightened to required torque specifications.

6. The red plastic ribbon on lower guide rail section may now be cut.

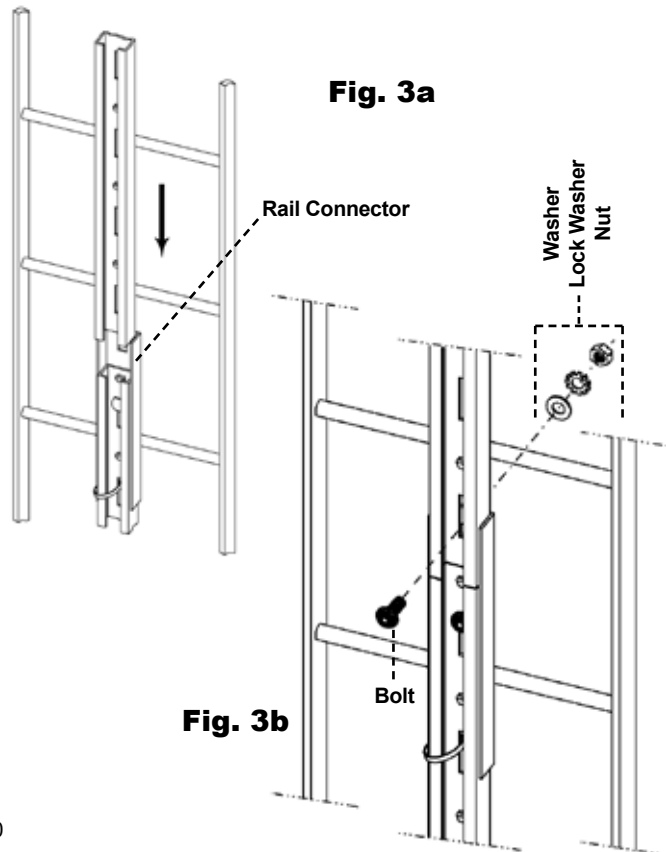


Fig. 3b

If the ladder rungs impede the connection of two guide rail sections, the rail sections can be bolted together using the alternative holes on the rail connector (see Fig. 3c). In this case, the guide rail must be fixed on the long side of the rail connector at a maximum of 22 in. (560mm) away from the joint (where the rung clamp is installed on the ladder rung - see Fig. 3d).

Fig. 3d

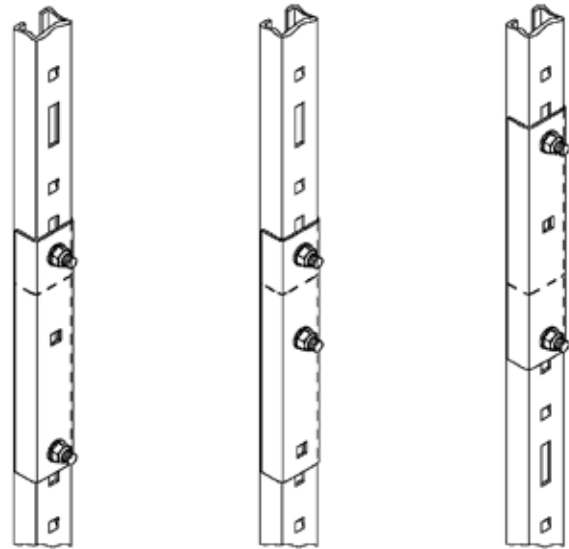
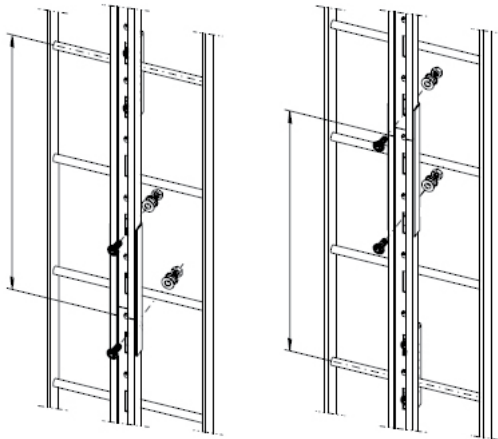


Fig. 3c

Follow these steps to install additional guide rail while proceeding up the ladder. Follow section 5.4 when installation of the final guide rail section is required.

5.4 Installation of Top Guide Rail Section

The top guide rail section may be installed to end with the top of the ladder or it may extend a maximum of 36 in. (914mm) above the top ladder rung to provide for safe entry onto a platform. In either case, the top rail section of the system must be a complete 10 ft.-1 in. (3.08m) section and must be secured as specified below.

If the top guide rail is to end with the top of the ladder [a maximum of 12 in. (305mm) above the top ladder rung], one rung clamp is required on the top ladder rung (see Fig. 4a). Follow procedures for installing rung clamp.

If the top guide rail section is to extend above the ladder [a maximum of 36 in. (914mm) above the top ladder rung], three rung clamps must be installed—one on each of the top three ladder rungs (see Fig. 4b). Follow procedures for installing rung clamps.

Fig. 4a

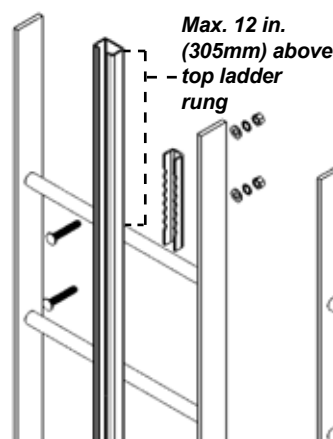
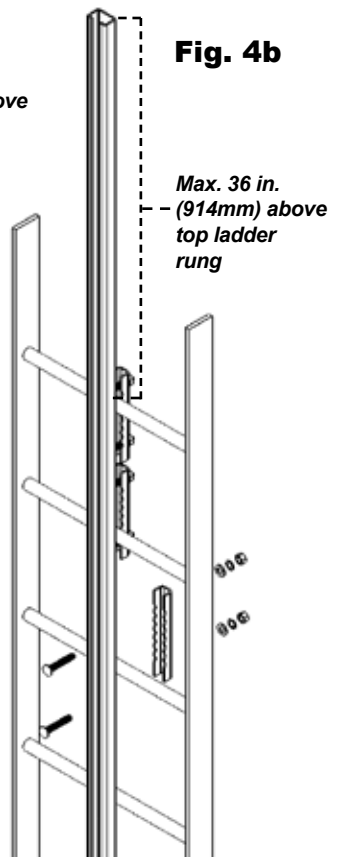
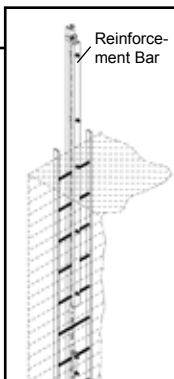


Fig. 4b



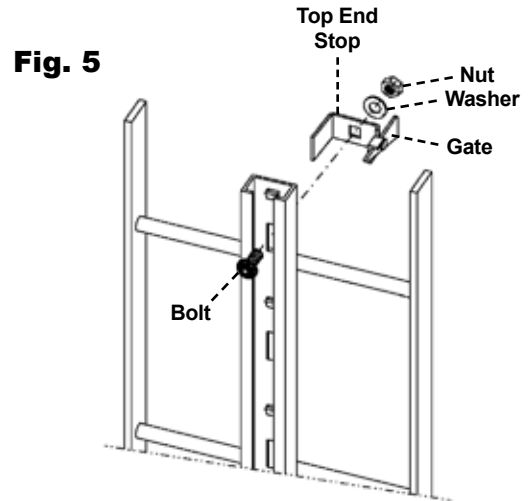
ANSI NOTE: With the top guide rail section extending above the top of the ladder, a guide rail reinforcement bar must be used to meet ANSI A14.3-08 standards. Call Miller Technical Services at 800-873-5242 for information on available reinforcement bars and their use.



5.5 Installation of Gated Top End Stop

1. Fix the top end stop to the back of the top guide rail section, aligning the hole in the end stop with the uppermost closed oblong hole in the guide rail.
NOTE: The gate on the end stop must be located on the right side of the guide rail when facing the front of the system.
2. Insert bolt through the aligned holes and attach washer and nut. Tighten fastener until snug.

IMPORTANT: After installation is complete, a final inspection of the system, ladder and structure is required.

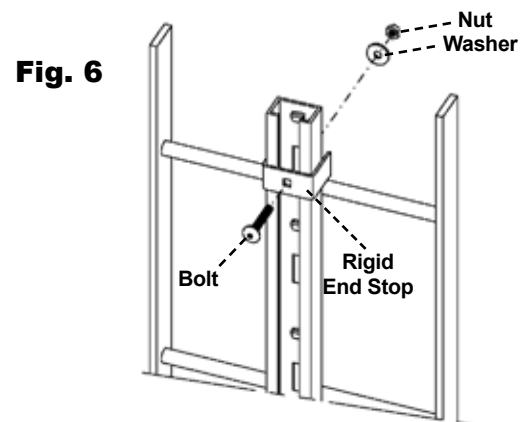


5.6 System Options

Rigid End Stop

The rigid end stop may be installed at the bottom or top of the system to prevent the fall arrester from being removed.

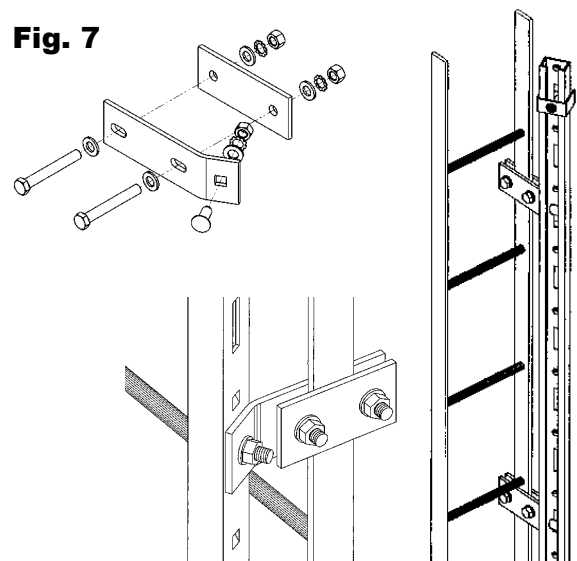
1. Fix the rigid end stop over the front of the guide rail, aligning the hole in the end stop with the uppermost closed oblong hole in the guide rail if installing at the top of the system or with the oblong hole in the guide rail located above the second notch if installing to the bottom guide rail of the system.
2. Insert bolt through the aligned holes and attach washer and nut. Tighten fastener until snug.



Side Mount Clamp

The side mount clamp permits the guide rail to be installed on the side of a ladder with a maximum 3" (76.2mm) wide side rail. NOTE: Side mount clamps must be spaced a maximum of 7 ft. (2.1m) apart (from center to center) throughout the system. The same guidelines apply for side mount clamps as for rung clamps with regard to securing the top guide rail section (refer to 5.4 Installation of Top Guide Rail Section). If the top guide rail ends with the top of the ladder, one side mount clamp is required between the top two ladder rungs. If the top guide rail extends above the ladder, three side mount clamps must be installed 12" (304.8mm) apart with the uppermost side mount clamp located between the top two ladder rungs.

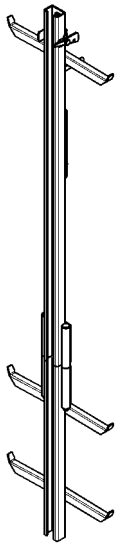
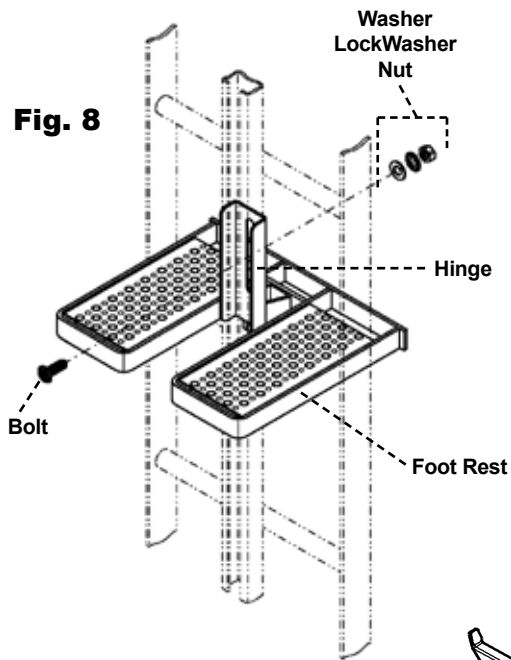
1. Install the side mount clamp by holding the two clamping plates on the side of the ladder. Note: The angled plate must face the inside and front of the ladder. Insert the bolts through the aligned holes in the clamping plates and attach the washers, lockwashers and nuts (see Fig. 7). Torque fasteners to 18.5 ft. lbs. (25Nm).
2. Attach guide rail to the side mount clamp by aligning the hole on the angled end of the clamping plate with the oblong hole in the guide rail. Insert the bolt (front to back) through the aligned holes and attach washer, lockwasher and nut (see Fig. 7). Torque fasteners to 18.5 ft. lbs. (25Nm).



Foldable Foot Rests

Foldable foot rests provide workers with a rest platform within the system and conveniently fold out of the way when not in use.

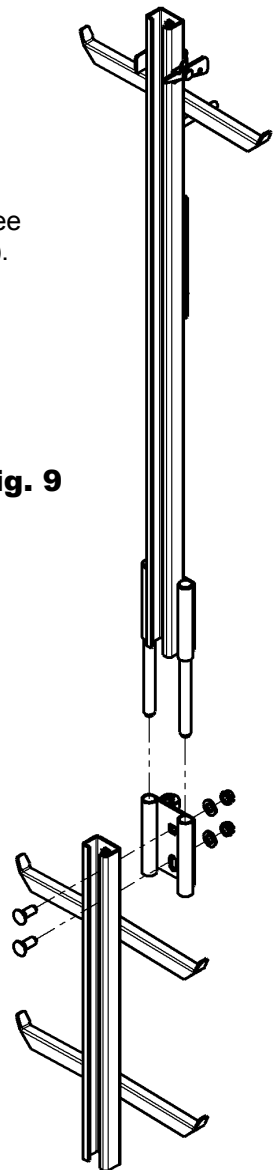
1. Shift the hinge over the back of the guide rail and align the holes in the foot rest hinge with the oblong hole in the rail.
2. Fix it on by inserting bolt through the aligned holes and attach washer, lockwasher and nut. Torque fastener to 18.5 ft. lbs. (25Nm).



Shaft Entering Device with Coupling

1. Install coupling to the top of the uppermost guide rail section by aligning the holes in the coupling with the holes in the guide rail and inserting the bolts (see Fig. 9). Attach lockwashers and nuts. Torque fasteners to 18.5 ft. lbs. (25Nm).
2. Insert shaft entering device vertically into the coupling as shown.

Fig. 9



6.0 Fall Arrester Installation

- All persons using a GlideLoc Fall Arrester must read, understand and follow the instructions contained in this manual as well as all instructions provided with the fall arrester at the time of shipment.
- Before installation, carefully inspect the fall arrester according to the manufacturer's instructions (see 9.0 Inspection and Maintenance). Do not use if there are any damaged or missing parts.
- Only one person may be secured to a fall arrester at any given time.
- Use only with GlideLoc systems.

WARNING: Personal fall protection must always be used in a situation where a fall hazard exists. A back-up fall arrest system is required when transitioning on and off the system at a height.

6.1 Comfort and Comfort² Fall Arresters

1. With the safety pin protruding from the side of the fall arrester on the right and the engraved arrow on the side of the fall arrester pointing upward, insert the fall arrester into the bottom of the rail (see Fig. 10). NOTE: Together with the gated end stop, the safety pin prevents the fall arrester from being inserted upside down and from being inadvertently disengaged from the system.
2. Pivot the gate of the end stop to allow the fall arrester to enter the system. Then lower the gate such that it would prevent the fall arrester from disengaging from the system.

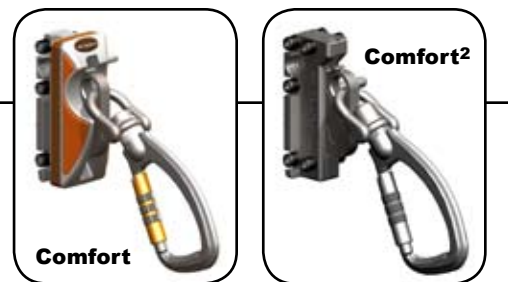
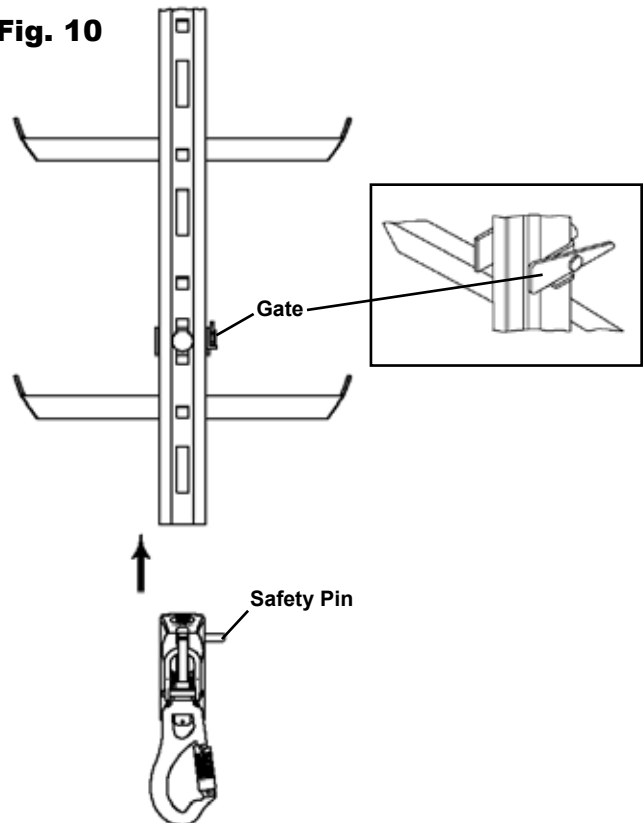


Fig. 10

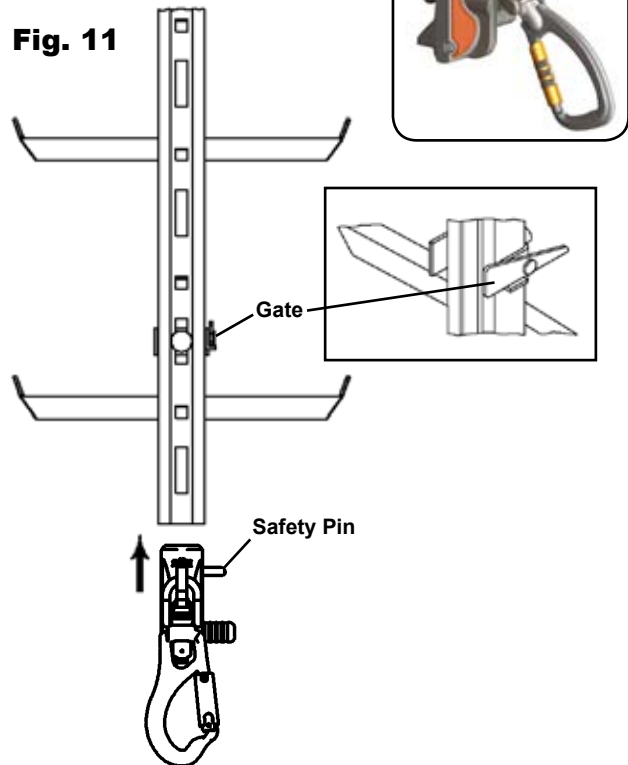


6.2 Universal II Fall Arrester

For Insertion at the Bottom of the Rail

1. With the locking pin protruding from the side of the fall arrester on the right and the engraved arrow on the side of the fall arrester pointing upward, insert the fall arrester into the bottom of the rail (see Fig. 11). NOTE: Together with the gated end stop, the safety pin prevents the fall arrester from being inserted upside down and from being inadvertently disengaged from the system.
2. Pivot the gate of the end stop to allow the fall arrester to enter the system. Then lower the gate such that it would prevent the fall arrester from disengaging from the system.

Fig. 11



WARNING: The rollers of the locking axle must be located in the guide rail during use! You may need to push the locking axle through the housing and towards the guide rail from above.

For Insertion at any Point along the Rail

1. Pull the locking pin and fold the shock absorber out. Then turn the locking axle 90° out of the travelling position (see Fig. 12a). Insert into the guide rail.
2. Swing the fall arrester in the running direction (see Fig. 12b).
3. Push into the guide rail (see Fig. 12c).
4. Turn the locking axle (see Fig. 12d).
5. Close the shock absorber (see Fig. 12e).

Fig. 12a

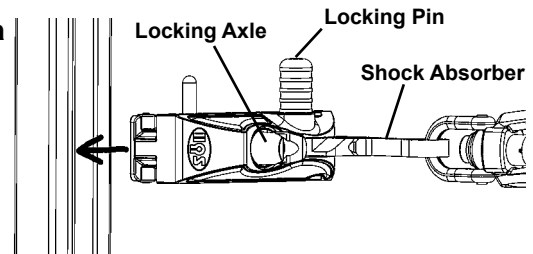


Fig. 12b

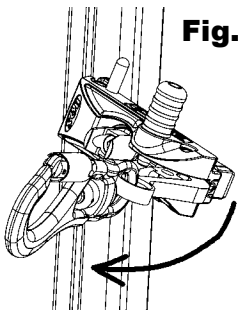


Fig. 12c

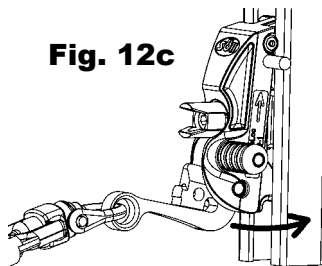


Fig. 12d

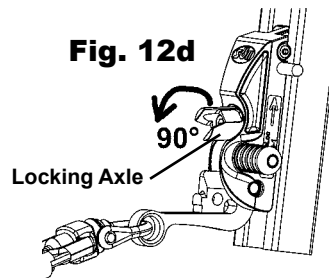
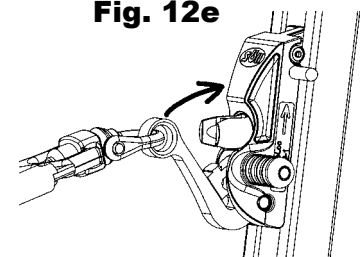
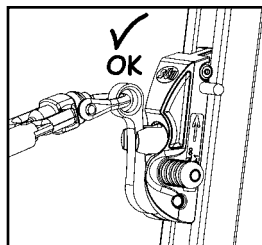


Fig. 12e



Carry out a brief functional check before using.



WARNING: The rollers of the locking axle must be located in the guide rail during use! The shock absorber must engage properly. In the engaged position, the shock absorber must prevent the locking axle from twisting.

To remove the fall arrester, pull the locking pin and proceed with the installation steps in reverse order.

7.0 System Operation

1. Don a Miller full-body harness according to the manufacturer's instructions. Check harness to ensure that all straps are connected, buckles are secure, and harness is adjusted to provide a snug fit. [NOTE: All instructions and warnings provided with the body wear must be read and understood before using the equipment.]
2. Install the fall arrester to the guide rail, following the manufacturer's instructions.
3. Attach the fall arrester to the front attachment point, designated for ladder climbing, of the full-body harness using the auto-locking carabiner.

WARNING: The maximum length of the connector from the attachment point on the harness to the rail must not exceed 9" (228mm).

4. Verify that the carabiner keeper/gate is closed and locked.
5. Safely ascend and descend the ladder.

WARNING: Personal fall protection must always be used in a situation where a fall hazard exists. A back-up fall arrest system is required when transitioning on and off the system at a height.

8.0 Training

It is the responsibility of the user and the purchaser of this equipment to assure they are familiar with these instructions and are trained in the proper use, installation, operation, inspection, maintenance and limitations of this product. Training should be conducted periodically and without exposing the trainee to a fall hazard.

Training is an integral part of our Total Solution in fall protection, since no fall protection equipment – regardless of how effective – can save an employee who is not trained in its use. To meet this crucial requirement, Miller Training provides the knowledge and skills necessary to achieve a safe, more productive work environment. For more information on Miller Training, contact a representative today: 800.873.5242.

9.0 Inspection and Maintenance

Inspection

The GlideLoc System is designed for today's rugged work environments. To maintain its service life and high performance, all components should be inspected frequently. Visually inspect before each use. Regular inspection by a competent person for wear, damage or corrosion should be a part of your safety program.

Replace equipment if any of the defective conditions explained in this manual are found.

System and Fall Arrester Inspection

Before each use, visually inspect system and fall arrester for misaligned, bent, cracked, distorted, worn, malfunctioning or damaged parts; loose fasteners or missing parts/components; deterioration; corrosion; signs that indicate the product has been subjected to a fall arrest; or any other indications of damage/problems that may affect the integrity and operation of the product. Ensure that guide rail is free of dirt and debris. If in doubt, contact the manufacturer.

Ensure that the fall arrester and all its parts are functioning properly and only as intended by the manufacturer. Check for signs that the shock absorber element of the fall arrester has been deployed due to fall forces. If in doubt, contact the manufacturer.

**Activation of
Integrated Shock-
Absorbing Element**



If inspection reveals a defect in condition or operation, or if the equipment has been subjected to the forces of arresting a fall, the equipment must be removed from service immediately!*

****IMPORTANT: In the event of a fall, the section of rail in which the fall occurred, the rung clamps located directly above and below the fall occurrence, and the fall arrester must be removed from service. The ladder, the attachment of the ladder to the structure, and the remaining rail, rail connectors, and rung clamp assemblies must be thoroughly inspected for cracks, deformation or breakage. If the components do not pass inspection, they must be replaced. In addition, the harness must always be replaced after a fall.***

Cleaning and Storage

Basic care of all Miller Fall Protection equipment will prolong the life of the unit and will contribute toward the performance of its vital safety function. Proper storage and maintenance after use are as important as cleansing the equipment of dirt, corrosives, or contaminants. Clean system components using a cloth dampened with water and mild soap or detergent and towel dry. Fall arresters should be removed from outside systems and stored properly after use. Storage areas should be clean, dry and free of exposure to fumes, corrosive elements, or heat sources.

Servicing

Servicing must only be carried out by a qualified person. A record log of all servicing and inspection dates for this system must be maintained. Only original Miller Fall Protection replacement parts are approved for use in this system. Contact Miller Technical Services at 800.873.5242 if you have any questions.



MILLER® FALL PROTECTION PRODUCTS
TOTAL SATISFACTION ASSURANCE

At Miller Fall Protection, we have been providing quality Miller brand fall protection equipment to millions of workers worldwide since 1945.

LIMITED LIFETIME WARRANTY
BACKED BY OVER 60 YEARS IN THE FALL PROTECTION BUSINESS

We sincerely believe that our fall protection equipment is the best in the world. Our products endure rigorous tests to ensure that the fall protection equipment you trust is manufactured to the highest standards. Miller fall protection products are tested to withstand normal wear and tear, but are not indestructible and can be damaged by misuse. Our Limited Lifetime Warranty does not apply to normal wear and tear or abusive treatment of the product.

In the unlikely event that you should discover defects in either workmanship or materials, under our Limited Lifetime Warranty, we will repair or replace the product at our expense. If a replacement is necessary and your product is no longer available, a comparable product will be substituted. Should a product issue surface, contact us at 800.873.5242.

Manufacturing specifications are subject to change without notice.

PRODUITS MILLER® FALL PROTECTION
ASSURANCE DE SATISFACTION TOTALE

Chez Miller Fall Protection, nous fournissons des équipements de protection contre les chutes de marque Miller de qualité à des millions de travailleurs dans le monde entier depuis 1945.

GARANTIE LIMITÉE À VIE
ASSURÉE GRÂCE À PLUS DE 60 ANS PASSÉS DANS LE DOMAINE DE LA PROTECTION CONTRE LES CHUTES

Nous croyons sincèrement que notre équipement de protection contre les chutes est le meilleur au monde. Nos produits sont soumis à des tests rigoureux, afin d'assurer que les équipements de protection contre les chutes dans lesquels vous avez confiance sont fabriqués selon les normes les plus exigeantes. Les produits de protection contre les chutes Miller sont soumis à des essais pour vérifier qu'ils résistent à une usure normale; ils ne sont cependant pas indestructibles et peuvent s'endommager en cas de mauvaise utilisation. Notre garantie limitée à vie ne s'applique pas à l'usure normale ou à un usage abusif du produit.

Dans le cas peu probable où vous découvririez des défauts, soit de fabrication, soit de matériau, dans le cadre de notre garantie à vie, nous réparerons ou remplacerons le produit à nos frais. En cas de remplacement, si votre produit n'est plus offert, vous recevrez un produit comparable. En cas de problème sur un produit, nous contacter au 800-873-5242.

Les caractéristiques de fabrication peuvent être modifiées sans préavis.

PRODUCTOS ANTICAÍDAS MILLER®
GARANTÍA DE SATISFACCIÓN TOTAL

En Miller Fall Protection, venimos suministrando desde 1945 los equipos de protección anticaídas con la calidad Miller a millones de trabajadores en todo el mundo.

GARANTÍA LIMITADA DE POR VIDA
NOS RESPALDAN MÁS DE 60 AÑOS EN LA FABRICACIÓN DE EQUIPO ANTICAÍDAS

Sinceramente creemos que su equipo de protección contra caídas es el mejor del mundo. Nuestros productos resisten rigurosas pruebas para garantizar que el equipo de protección contra caídas en el que usted confía está fabricado de conformidad con las normas más elevadas. Los productos anticaídas Miller son sometidos a pruebas para que resistan el desgaste normal, pero no son indestructibles y su incorrecta utilización puede dañarlos. Nuestra Garantía limitada de por vida no se aplica al desgaste normal ni al maltrato del producto.

En el poco probable caso de que usted descubriera defectos de mano de obra o materiales, por nuestra Garantía limitada de por vida, repararemos o sustuiremos el producto por cuenta nuestra. Si un reemplazo es necesario y nuestro producto ya no está disponible, se lo sustuiremos por otro comparable.

En caso de que surja un problema con el producto, contáctenos al 800.873.5242.

Las especificaciones de fabricación están sujetas a modificaciones sin previo aviso.



Toll Free: 800.873.5242
Fax: 800.892.4078

Download this manual at: www.millerfallprotection.com
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