

GUARDIAN
FALL PROTECTION
PERFORMANCE SAFETY GEAR



Residential Guardrail System
Part #15173

USER'S MANUAL

DO NOT THROW AWAY THESE INSTRUCTIONS!
READ AND UNDERSTAND BEFORE USING EQUIPMENT!

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WARNING!

DO NOT:

- **Do not alter or misuse the equipment unless approved by manufacturer.**
- **Do not use combinations of components or subsystems that may affect or interfere with the safe, compatible function of each other.**
- **Do not expose the equipment to chemicals which may produce a harmful effect or degrade the equipment. Consult manufacturer in cases where doubt exists.**
- **Do not use the equipment around moving machinery or electrical hazards unless specifically designed for such use.**
- **Do not use the equipment around sharp edges or abrasive surfaces unless intended for such use.**

INTRODUCTION:

Thank you for purchasing the Guardian Residential Guardrail System. This manual should be read and understood in its entirety, and used as part of a training program as required by OSHA or any applicable state regulatory agency.

This and any other included instructions must be made available to the users of the equipment. The user must understand the proper equipment use and limitations.

This manual covers the maintenance, installation, and use of the Guardian Residential Guardrail System, Guardian part number 15173.

USER INFORMATION:

Date of First Use _____

Serial # _____

Trainer _____

User _____

GENERAL SYSTEM SELECTION CRITERIA:

Selection of fall protection shall be made by a Competent Person. All fall protection equipment shall be purchased new and unused.

The equipment is designed for use as a part of a personal fall protection system. Components shall not be used for any other operation other than that which it has been designed and approved.

Fall Protection Systems shall be designed to comply with OSHA or applicable state regulatory limitations. Systems must be used in a compliant manner.

This is not a fall arrest or fall restraint system and is not designed for use as an attachment point for a personal fall arrest system.

Consult a doctor if there is any reason to doubt a user's ability to withstand and safely absorb fall arrest forces or perform setup of equipment. Age, fitness, and health conditions can seriously affect the worker should a fall occur. Pregnant women and minors should not use this equipment.

TRAINING REQUIREMENTS:

The employer must ensure that each employee who might be exposed to fall hazards has been trained by a Competent or Qualified Person. The training program must include the following:

- The ability to recognize the hazards of falling
- The procedures to be followed in order to minimize these hazards.
- All Relevant Federal, State, and local regulatory requirements, procedures, and standards
- Correct erecting, maintaining, disassembling, and inspection of the fall protection systems being used
- Use of personal fall arrest systems.

RESCUE PLAN:

The user is required to have a rescue plan and the means at hand to implement it when using the equipment. The plan shall be project specific. Employees shall be trained in self-rescue or alternate means shall be provided for prompt rescue in the event of a fall.

DESCRIPTION OF RESIDENTIAL GUARDRAIL SYSTEM:

The Guardian Residential Guardrail System is used as part of a guardrail system that provides fall protection in lieu of, or in conjunction with, safety netting and/or personal fall arrest systems. Components are made of powder coated or galvanized steel for durability.

IMPORTANT!

ANY EQUIPMENT SUBJECTED TO THE FORCES OF A FALL ARREST MUST BE REMOVED FROM SERVICE IMMEDIATELY. CONTACT YOUR DISTRIBUTOR OR GUARDIAN ABOUT POLICIES REGARDING REPLACEMENT OF GUARDIAN COMPONENTS INVOLVED IN A FALL.

MAINTENANCE, CLEANING, AND STORAGE:

- Repairs to the Residential Guardrail System can be made only by a Guardian representative or person or entity authorized by Guardian. Contact Guardian for maintenance and repair.
- Cleaning after use is important for maintaining the safety and life of the equipment.
- Cleanse the equipment of all dirt, corrosives, and contaminants.
- If the Residential Guardrail System cannot simply be wiped clean use a mild soap and water, rinse, wipe to dry.
- Store the Guardian Residential Guardrail System where it cannot be affected by heat, light, excessive moisture, oil, chemicals, or other degrading elements.

INSPECTION:

- The date of first inspection should be recorded by the employer on the equipment, and any serial numbers shall be recorded on the Inspection Log contained in this manual.
- Formal inspections shall be made by either a Competent or Qualified Person on at least a semi-annual basis.
- Carefully check the base bracket for cracks, bending, distortions, corrosion, or other damage paying particularly close attention to the welded areas.
- Check the clamp and adjustment arm and make sure it moves easily.

PRIOR TO EACH USE:

- Inspect for defects, damage, deterioration, or missing components.
- Any suspected defective equipment shall be removed from service.
- Check the Residential Guardrail System for corrosion, deformation, cracks, or other damage.
- If the manufacturer's label is not legible or is missing, the equipment shall be removed from service.



PRODUCT APPLICATION INFORMATION:

The Guardian Residential Guardrail System is designed to be used as a fall protection system to protect workers from leading edge work, unprotected side hazards, holes, and any applicable other fall through or hazard where a passive guardrail system can perform properly. Do not hang, lift, or support tools or equipment from any Parapet Guardrails components.

- **GUARDRAIL SYSTEMS:** Provide protection and limited access to fall hazards by creating a barrier that must be negotiated before accessing the hazard.
- **PERSONAL FALL ARREST:** Guardian Residential Guardrail Systems are NOT RATED FOR FALL ARREST!
- **RESTRAINT:** Guardian Residential Guardrail Systems are NOT RATED FOR FALL RESTRAINT!
- **WORK POSITIONING:** Guardian Residential Guardrail Systems are NOT RATED FOR WORK POSITIONING!
- **RESCUE:** Guardian Residential Guardrail Systems are NOT RATED FOR USE AS A COMPONENT OF A RESCUE SYSTEM!

WARNING!

IF ANY COMPONENT OF THE RESIDENTIAL GUARDRAIL SYSTEM DOES NOT PASS INSPECTION, REMOVE FROM SERVICE IMMEDIATELY. CONTACT GUARDIAN ABOUT RETURNING DAMAGED UNITS.

APPLICABLE STANDARDS:

Standards might include OSHA regulations depending on the type of work, and also might include state regulations. Standards also include ANSI Z359.1-2007.

The Guardian Residential Guardrail System, when installed properly, with approved Guardrail Posts meet OSHA 29CFR-1910.23 & 1926.502 requirements for guardrail systems.

- Exceeds top rail loading of 200 lbs. in any downward or outward direction.
- Exceeds mid rail loading of 150 lbs. in any downward or outward direction.
- Mid rail 1'-9" between base and top rail.

WARNING!

- **Guardian Fall Protection equipment is designed to be used with Guardian approved components.**
- **Please contact Guardian if you have a question regarding compatibility.**
- **Making substitutions without approval from Guardian Fall Protection may lead to injuries or death by compromising the safety and reliability of the complete system.**

BEFORE INSTALLING THE RESIDENTIAL GUARDRAIL SYSTEM:

- The structure and surface that the Residential Guardrail System is intended to be used with must be capable of supporting the product and personnel installing it. A complete assessment by a Competent or Qualified Person must be made to determine if the walking and working surfaces have the strength and structural integrity to support the system and the users.
- Install the Guardian Residential Guardrail System on stable, dry, clean surfaces under adequate lighting.
- Use only approved screws or duplex nails that come with the system.
- Never erect Guardrail Systems near electrical wires. Keep systems a minimum of ten (10) feet from power lines to prevent injury.
- Inspect wood prior to installation.
- Care should be taken when transporting system components to ensure that they are secure and do not cause damage to other components or personnel.

INSTALLATION INSTRUCTIONS:

- All holes on the base bracket must be filled and must fully penetrate a truss.
- Do not install into wood that not structurally sound and able to provide a secure fastening location.
- Space brackets every six feet. Use 8ft 2x4s and allow 1ft. overhang on each side of the rail.
- For use with a 6/12-16/12 pitch
- Base brackets must be adjusted to the pitch of the roof and the silver support arm must come into contact with the roof surface.
- Secure silver support arm with the supplied pin.
- Use only the Guardian provided guardrail.
- Use only a 2x6 toe board.
- Secure the base bracket to the toe board by using a 16 penny nail.
- **Do Not** use residential guardrail or any of the components of the residential guardrail system as an anchor point for fall protection.

LABELS:

**This label must be present and legible on the
Residential Guardrail System at all times.**



INSPECTION LOG:

USER MUST INSPECT EQUIPMENT BEFORE EACH USE. COMPETENT PERSON TO INSPECT AND INITIAL AT LEAST EVERY 6 MONTHS.												
Date of First Use _____												
YR.	J	F	M	A	M	J	J	A	S	O	N	D

This is a permanent system and has no expiration date. However regular semi-annual inspection is required

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