

# *SAFARI SERIES SLIDES*

for

## **Above-Ground Swimming Pools**

from

# **SUMMIT-USA**



## **Installation Instructions**

Please Retain for Your Records  
Includes Warranty & Maintenance Procedures  
and Should Accompany the Slide if Sold

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## *Safe and Responsible*

As the owner of this apparatus you have accepted the responsibility for its proper use.

Most pool related accidents can be prevented. You can prevent them by instructing and supervising your children.

It is safer to slide feet-first into your pool than to jump directly into the water, hence, most slide accidents occur on the ladder, as a result of carelessness or horseplay.

### **Before use:**

Maintain a 7-foot wide (2.1m) by 8-foot (2.5m), clear ‘splashdown’ area in front of the slide exit.

Water depth in front of the slide should be at least 3’ (36”, 91cm).

Allow a 21-inch (.5m) minimum clearance around the slide to prevent hand injuries.

Ensure all fasteners are tight. Do this as a regularly scheduled maintenance procedure.

Check the integrity of the deck and the slide’s fastenings to the deck (or Sand Stakes).

Check the slide’s ground wire.

Check for water leaks. These can cause soil erosion around mountings.

### **In Use:**

***NEVER*** slide headfirst or backwards.

***ALWAYS*** slide ‘feet-first’, in a sitting position. The most comfortable position *is* the safest.

Maintain the previously noted ‘splashdown’ zone.

Check to ensure the splashdown area is clear before sliding.

Use it as a slide, not for jumping or diving into the pool.

Handrails must be used to safely ascend the ladder.

The slide should never be used without adult supervision.

The slide is wide enough for one slider at a time. It must be used by only one slider at a time.

# ***SAFARI SERIES***

## **ABOVE-GROUND POOL SLIDES**

from

**SUMMIT-USA**

**Finally!!** Above-ground pool slides from Summit-USA.

We've brought our rotational molding expertise to this neglected area of pool accessories and the result is simply Sensational!

**COMPARE**

**COMPARE**

**COMPARE**

We invite you to compare our Safari Series slides with any aboveground pool slide. The appearance and performance of the Safari slides cannot be duplicated with a fiberglass or thermoformed acrylic slide. Our Safari Series slides are simply the best you can get.

The difference begins with the material. We use Polyethylene, a naturally slippery plastic. PE becomes even more slippery when wetted. Polyethylene is most familiar to you as the common milk bottle, or plastic ground sheets (Visqueen). This is the material that has become the international standard for playground slides due to its durability and low maintenance. We use colored resin and UV inhibitors to ensure your slide's appearance and finish will endure for many years. PE is so slippery that water requirements are quite stingy. Some of our slides use a mere ½ cup per minute. The Safari will use about 1 gallon per minute, but even this can be throttled. You may find its performance satisfactory with NO water.

Rotational molding requires expensive molds and expensive molding equipment, but the result is worth it. Rotomolding produces double-wall parts. All exposed surfaces are finished surfaces, exhibiting the textures that we choose to apply to them. There are no raw, unfinished surfaces. Double-wall components are strong, as you would expect, hence can be molded with thinner walls than a single wall component. One advantage of thinner walls is to make the part more resilient and comfortable to use, giving the slide a "soft" feel.

Our ladders are 3/16" extruded aluminum, Heliarc welded for strength, powder coated for appearance. Deck covers are rotomolded to make them comfortable, and self-bailing to make them safe. The entire structure is engineered to be extremely sturdy.

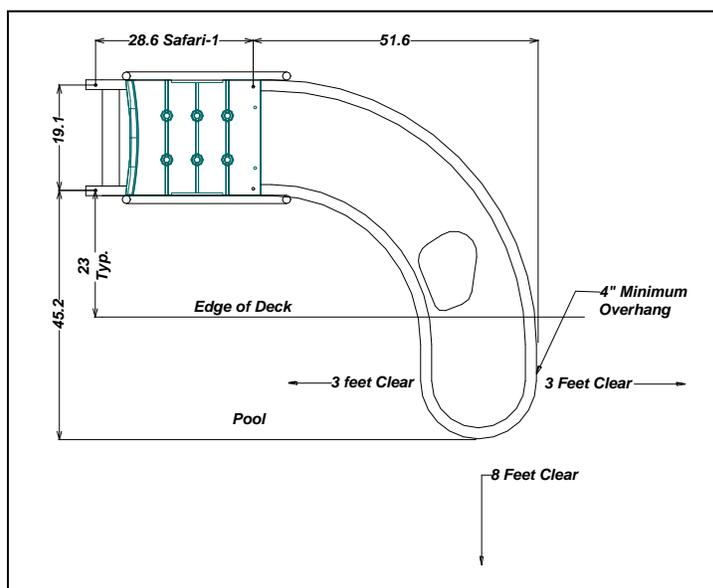
The most important feature, however, is performance. Safari slides are fun! Safari slides are fast! Deep bedways keep the slider safe. The horizontal runout sector corrects the slider's trajectory before depositing him gently, at the correct attitude, into the pool. It is even possible to enter the water with no splash. The slider will not be flipped onto his back or head before entering the water.

So...Have FUN, *but be SAFE*, but have FUN!

# Safari-1

## Parts List

- ❑ Slide Flume, Plastic
- ❑ Foot, Plastic
- ❑ Ladder, Aluminum
- ❑ Ladder Posts (2), Galvanized Steel
- ❑ Deck Frame, Aluminum
- ❑ Deck Cover, Plastic
- ❑ Handrails (2), Aluminum
- ❑ Angle Brackets for Foot (2), Stainless
- ❑ Bolt Pack, (3/8-16 unless noted)
  - 3/4" Bolts (15)
  - 1-1/4" Bolts (4)
  - NYLOC Nuts (2)
  - Flat Washers (21)
  - 1/4-20 x 3" Connector Bolts (2)
  - 5mm Allen Wrench
  - Ground Lug and Tek Screw
  - Watering Kit (optional use)
  - Optional Sand Stakes



## **Assembling and Installing Safari-1**

**\*\*NOTE:** Because Stainless threads gall easily, use a lubricant (oil, wax, or threadlocking compound) on these bolts before attempting to assemble them.

1. **Layout the proposed location** using the diagram above, and insure there are no conflicts with any pool surroundings or the splashdown area (page 2). Maintain a 21" margin on either side of the slide path to prevent hand injuries.
2. **Unpack and inventory** the components. Familiarize yourself with each item. Notify your dealer immediately if parts are missing or damaged. Make sure the required tools are available. You can use the packaging materials as a work surface to protect the finish of the parts as you handle and assemble them.
3. **Lay the LADDER on its side** and place the DECK FRAME, on its side, next to it. Bolt the two pieces together with 1-1/4" bolts, using 2 washers and NYLOC nut. (\*\*Lubricate threads)
4. **Drill the four (4) mounting holes** for the ladder and posts. Bolt LADDER to deck. Bolt two (2) steel LADDER POSTS to deck. Bolt DECK FRAME to LADDER POSTS with 1-1/4" bolt/washers. (You may wish to assemble the entire unit first, to check for fit and location, and then come back to this step)

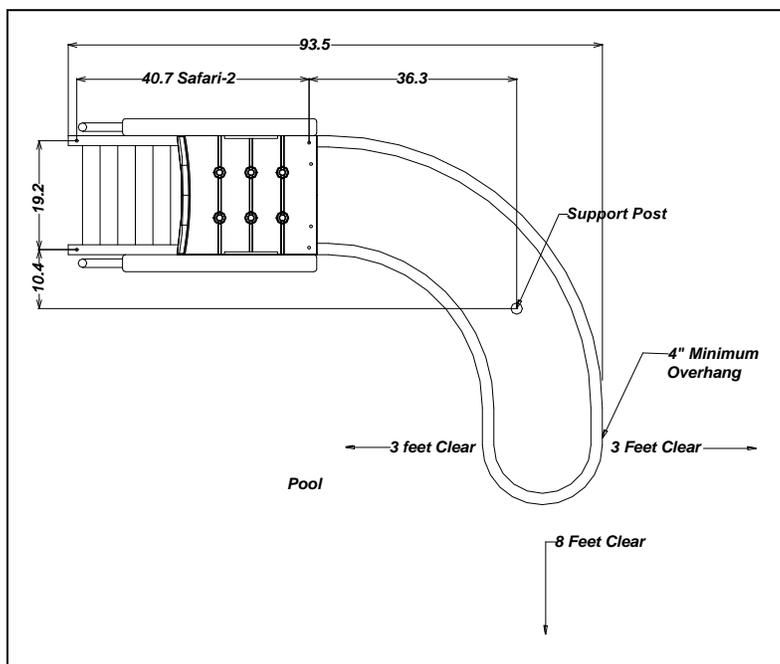


5. **Bolt HANDRAILS** (left and right) to the LADDER assembly with  $\frac{3}{4}$ " bolt/washer, three (3) places each.
6. **Bolt SLIDE FOOT** to SLIDE FLUME with two (2)  $\frac{3}{4}$ " bolt/washers. Bolt ANGLE BRACKETS to SLIDE FOOT with  $\frac{3}{4}$ " bolt/washers.
7. **Bolt SLIDE FLUME** to DECK FRAME with three (3)  $\frac{3}{4}$ " bolt/washers.
8. **Bolt DECK COVER** to DECK FRAME with two (2) connector bolts (top) and two (2)  $\frac{3}{4}$ " bolt/washers (underneath).
9. **Bolt angle brackets** on FOOT to your deck.
10. **Make the water connection** (optional). (See page 11)
11. **Install the GROUND LUG** to a convenient part of the ladder by drilling a  $\frac{5}{32}$ " hole and attaching with the TEK screw. Connect to your bonding grid, ground plane, cold water pipe, or ground rod with #6 copper wire (*National Electric Code 680-22*).

## Safari-2

### Parts List

- ❑ Slide Flume, Plastic
- ❑ Ladder, Aluminum
- ❑ Ladder Posts (2), Galvanized Steel
- ❑ Support Post, Galvanized Steel
- ❑ Support Bracket, Aluminum
- ❑ Deck Frame, Aluminum
- ❑ Deck Cover, Plastic
- ❑ Siderails (2), Plastic
- ❑ Handrails (2), Aluminum
- ❑ 2 Strips of Non-Slip Tape
- ❑ Sit-down Bar, Aluminum
- ❑ Bolt Pack, (3/8-16 unless noted)
  - 3/4" Bolts (7)
  - 1-1/4" Bolts (5)
  - 2-1/2" Bolt (8)
  - NYLOC Nuts (8)
  - Flat Washers (28)
  - 1/4-20 x 3" Connector Bolts (2)
  - 5mm Allen Wrench
  - Ground Lug and Tek Screw
  - Watering Kit (optional use)
  - Optional Sand Stakes



## **Assembling and Installing Safari-2**

**\*\*NOTE:** *Because Stainless threads gall easily, use a lubricant (oil, wax, or threadlocking compound) on these bolts before attempting to assemble them.*

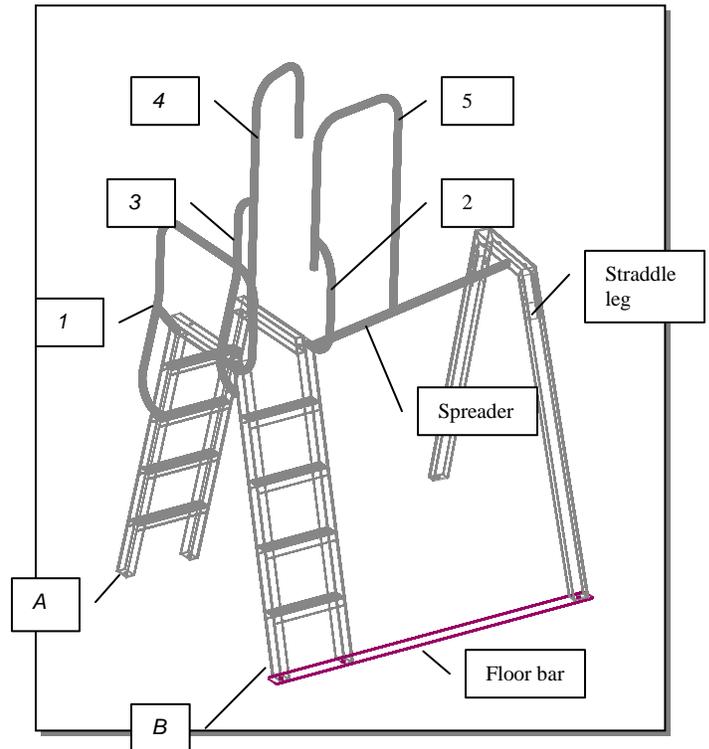
1. **Layout the proposed location** using the diagram above, and insure there are no conflicts with any pool surroundings or the splashdown area (page 2). Maintain a 21" margin on either side of the slide path to prevent hand injuries.
2. **Unpack and inventory** the components. Familiarize yourself with each item. Notify your dealer immediately if parts are missing or damaged. Make sure the required tools are available. You can use the packaging materials as a work surface to protect the finish of the parts as you handle them.
3. Refer to separate instruction sheets for assembling the Cascade Ladder System, but leave the SIDERAIL bolts loose until the slide has been bolted in place. This will facilitate placement of the DECK COVER.
4. If you are using SAND STAKES, layout their location and **dig the four holes** for SAND STAKES and one hole for the slide support post (see layout diagram). Use a 4-ft level to synchronize the height of the SAND STAKES.
5. **Mount the LADDER SYSTEM** to the deck or SAND STAKES.
6. **Bolt SUPPORT POST BRACKET** to SUPPORT POST with 1-1/4" bolt/washer.

7. You will need a helper to **bolt SLIDE FLUME to DECK FRAME** with three (3)  $\frac{3}{4}$ " bolt washers, and bolt **SUPPORT BRACKET** to slide midpoint with (2)  $\frac{3}{4}$ " bolt/washers. Set the **SUPPORT POST** into the previously dug hole. You can raise and lower the **SUPPORT POST** to achieve optimum height of the slide over your pool's sidewall. We suggest a 3" clearance to allow for slide flex.
8. **Bolt DECK COVER** to **DECK FRAME** with two (2) connector bolts (top) and tighten all six **SIDERAIL** bolts. Apply non-slip tape to upper section of **HANDRAILS**, preparing the surface, first, by wiping with alcohol.
9. **Make the water connection** (optional). (See page 11)
10. **Install the GROUND LUG** to a convenient part of the ladder by drilling a  $\frac{5}{32}$ " hole and attaching with the **TEK Screw**. Connect to your bonding grid, ground plane, cold water pipe, or ground rod with #6 copper wire (*National Electric Code 680-22*).
11. **Backfill and tamp** (or mortar) the **SAND STAKES**, if used.

## Safari-3

### Parts List

- ❑ Slide Flume, Plastic
- ❑ Floor Bar, Aluminum
- ❑ Ladder (A) & (B), Aluminum
- ❑ Deck Rails (A) & (B), Aluminum
- ❑ Straddle Legs (A) & (B), Aluminum
- ❑ Straddle Leg Cross-bar, Aluminum
- ❑ Straddle Spreader Bar, Aluminum
- ❑ 3-Step Deck, Plastic
- ❑ Handrails 1, 2, 3, 4, & 5, Aluminum
- ❑ Bolt Pack, Stainless Steel (3/8-16 unless noted)
  - 3/4" Bolts (10)
  - 1-1/4" Bolts (4)
  - 1-3/4" Bolts (2)
  - 2" Bolt (7)
  - 2-1/2" Bolt (1)
  - NYLOC Nuts (12)
  - Flat Washers (38)
  - 1-3/4" Nylon Bolt Sets (3)
  - Ground Lug and Tek Screw
  - Watering Kit (optional use)
  - Optional Sand Stakes



## **Assembling and Installing Safari-3**

**\*\*NOTE:** Because Stainless threads gall easily, use a lubricant (oil, wax, or threadlocking compound) on these bolts before attempting to assemble them.

1. **Layout the proposed location**, reserving a 24" x 84" area outside the pool for the ladder, and insure there are no conflicts with any pool surroundings or the splashdown area (page 2). Maintain a 21" margin on either side of the slide path to prevent hand injuries.
2. **Unpack and inventory** the components. Familiarize yourself with each item. Notify your dealer immediately if parts are missing or damaged. Make sure the required tools are available. You can use the packaging materials as a work surface to protect the finish of the parts as you handle them. The parts are numbered in the approximate order of assembly.
3. **Lay LADDER-A and LADDER-B on their sides** and attach Inside and Outside DECK FRAMES with 1-1/4" bolts, using 2 washers and NYLOC nut. (\*\*Lubricate threads) **REFER TO FIG. 1.**
4. Set this assembly upright and **install HANDRAIL-1** with (4) 3/4" bolt/washers. **REFER TO FIG. 1.**
5. Using two of the NYLON BOLT SETS, **bolt the FLOOR BAR** to the base of LADDER-B (pool side).
6. **Assemble the STADDLE LEG** with (8) 1-1/4" bolt/washer/nut sets. (\*\*Lubricate threads) Use NYLON BOLT SET to attach inner STRADDLE LEG to FLOOR BAR. Bolt the angle-cut end of the SPREADER BAR loosely to the STRADDLE LEG using 1-1/4" bolt/washer. **REFER TO FIG. 2.**

7. **At the ladder** , insert HANDRAIL-2 between the SPREADER-BAR and LADDER-B, seating the coped end of the bar over the thru-hole in the HANDRAIL. Using a 2-1/2" bolt/washer, carefully bolt through the LADDER and HANDRAIL into the end of the SPREADER-BAR. **REFER TO FIG. 3.** Tighten both ends.
8. **Place this assembly in the pool.** With a helper, carefully rock the assembly back until you can "walk" the FLOOR BAR into position inside the pool. Make sure there are no objects between the FLOOR BAR and the pool's floor. Make sure there are no wrinkles in the pool floor under the FLOOR BAR.
9. **Set 3-STEP DECK** atop LADDER and bolt in place from below using (2) 3/4" bolt/washers through the OUTSIDE DECK FRAME into threaded inserts in underside of the DECK.
10. With a helper, **lift the SLIDE FLUME into position** so that the slide entry rests on the shelf-and-hook molded into the 3-STEP DECK. The lower support bolts should line up with two holes in the STRADDLE LEG. Install (2) 3/4" bolt/washers through the STRADDLE LEG CROSS-BAR and into the threaded inserts in the SLIDE FLUME. Align and bolt the SLIDE FLUME entry to the 3-STEP DECK with (2) 1-3/4" bolt/washers through the DECK shelf and into threaded inserts in the SLIDE FLUME.
11. **Bolt HANDRAIL-3 to LADDER-A** with 3/4" bolt/washer. Also, bolt HANDRAIL-3 to the 3-STEP DECK and SLIDE FLUME with (2) 2" bolts (no washers) through handrail into threaded inserts in plastic parts. Install HANDRAIL-4 with 3/4" bolt/washer through LADDER-A into threaded insert in the handrail. Finally, bolt through HANDRAIL-3 into HANDRAIL-4 with 2" bolt (no washer). **REFER TO FIG. 4.**
12. **Install HANDRAIL-5** with (2) 2" bolts (no washers) into threaded inserts in DECK and FLUME. Bolt through HANDRAIL-5 into HANDRAIL-2 with 2" bolt (no washer). Finally, bolt through SPREADER-BAR into HANDRAIL-5 with 2" bolt (no washer). **REFER TO FIG. 5.**
13. **Tighten all bolts** snugly without overtightening.
14. **Move the assembly into its final position**, ensuring all fasteners are still properly engaged. Mark locations for anchors or SAND STAKES. Move the entire assembly enough to drill anchor holes or dig SAND STAKE holes. Use a level to ensure SAND STAKE heights are synchronized. Bolt slide to anchors or SAND STAKES. Tamp or mortar SAND STAKES.
15. **Make the water connection** (optional). (See page 11)
16. **Install the GROUND LUG** to a convenient part of the ladder by drilling a 5/32" hole and attaching with the TEK screw. Connect to your bonding grid, ground plane, cold water pipe, or ground rod with #6 copper wire (*National Electric Code 680-22*).



Fig 1

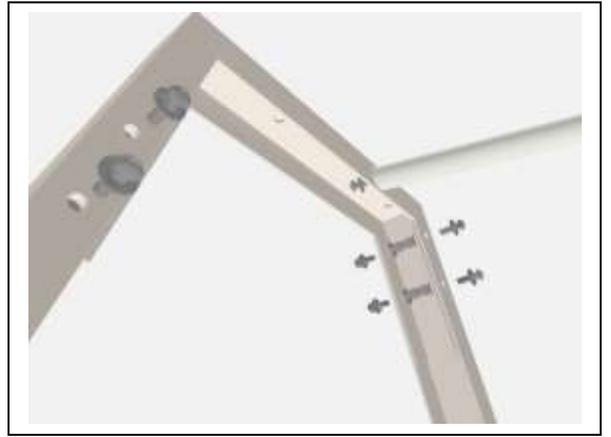


Fig 2



Fig 3



Fig 4

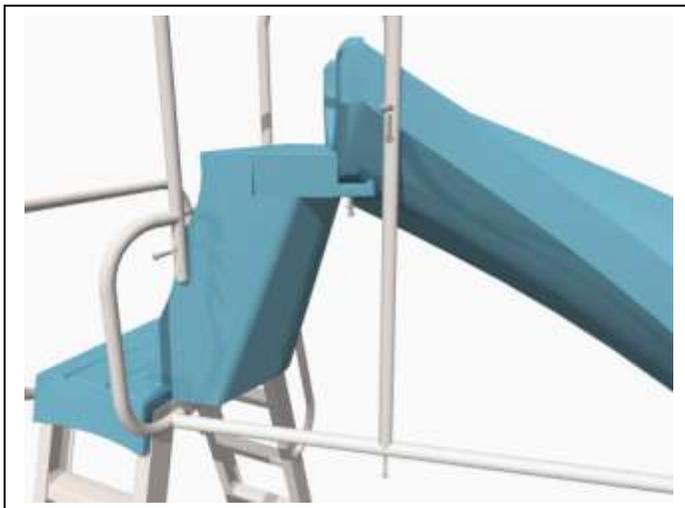


Fig 5

## WATER CONNECTIONS

The slide can be used without water, but a thin film of water will improve its performance. You may wish to wax the slide flume to further increase its speed, but try it without this step, first. There are several ways to feed water to the slide and all are easy.

- 1) We provide two sizes of PVC “*saddle-tap*” to tap into your recirculating pump discharge line.
    - a) Our *saddle-taps* are for 1.5” pipe and 2” pipe (clipped corner). Determine the pump discharge pipe diameter. You can differentiate the ‘suction’ side and the ‘discharge’ side of the pump by noting the location on the pump housing. The suction side is generally at the end of the housing and is normally a larger pipe size. The discharge pipe usually comes off the side of the pump housing and is a smaller diameter (pressurized).
    - b) Turn off the pump and close supply and return valves. Select the proper size saddle-tap and select the best location on the pump discharge piping for the tap. Drill a 3/8” hole in the discharge pipe and dry it completely. Using PVC Primer and PVC Cement, install the saddle-tap, following instructions on the primer and cement cans. Wait two hours for the cement to cure before making tubing connections.
    - c) To install the water valve, first select a convenient location for the mounting bracket. Drill the two mounting holes using a 1/8” (#30) drill. After mounting the bracket, snap the “Speedfit” valve into it. There are two barb-to-Speedfit adapters. They slip easily into both the valve (smooth side) and the vinyl tubing (barb side). To disengage the Speedfit adapter from the valve, use a flat blade screwdriver to depress the lock collar around the adapter, while gently pulling it free.
    - d) Connect 3/8” id vinyl tubing from the saddle tap barb to the water valve, then to the slide’s water injector barb. Turn on the pump and check for leaks. If you need more tubing, most hardware stores carry 3/8” tubing and couplings.
  - 2) If you want a quick, temporary connection, you can use plumbing fittings to adapt your garden hose to the 3/8” barb fitting on the Safari’s water injector. We do not recommend this procedure for several reasons. We think that a garden hose stretched over the ground near the pool could become the cause of an accident. Additionally, the fresh water you add to the pool may dilute your pool’s chemicals and result in some deterioration of the metal parts of the filtration system.
  - 3) You can install a separate mini submersible pump to lift water from the pool to the slide’s injector. This is expensive and necessitates having another electrical connection near your wet children.
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## MAINTAINING YOUR INVESTMENT

We have selected materials for your slide that require little maintenance. Occasional cleaning with soap and water will help to maintain a “new” appearance.

Additional surface protection can be achieved with *Paste Wax* or *Liquid Wax*. The flume is impervious to most chemicals.

The slide’s speed can be reduced with 60-grit sandpaper or increased with wax or furniture polish. **Do not wax handrails or ladder rungs.**

Disconnect and drain or blow-out water lines for winter. No other winterizing is necessary. Take care, however, to avoid impacts to any plastic during freezing weather.

# WARRANTY

## SUMMIT-USA

WARRANTS, FOR A PERIOD OF THREE YEARS FROM THE DATE OF CUSTOMER INVOICE, THAT ALL MATERIALS AND WORKMANSHIP SHALL BE FREE OF DEFECTS. IN ORDER FOR THIS WARRANTY TO BE VALID, ALL PRODUCTS MUST HAVE BEEN INSTALLED IN A WORKMANLIKE MANNER AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND STANDARD PRACTICE.

WARRANTY CLAIMS MUST BE SUBMITTED IN WRITING TO THE DEALER FROM WHOM THE PRODUCT WAS PURCHASED. SUMMIT-USA IS OBLIGATED ONLY TO REPLACE THE DEFECTIVE PART. TRANSPORTATION AND INSTALLATION ARE NOT COVERED

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. SUMMIT-USA IS NOT RESPONSIBLE FOR DAMAGES THAT ARISE FROM IMPROPER INSTALLATION OR USE OF ITS PRODUCTS.

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## Return Policy

Should it become necessary to return a slide to the manufacturer for refund, there will be a 20% restocking fee. You must contact us prior to returning the item. The returned item must be shipped via prepaid freight to:

Summit-USA    700 Colorado St.                      Kelso, WA 98626

We will examine the returned item to determine whether any additional deductions are merited in order to return the item to new, resalable condition. Additional deductions could include, 1) cost of cleaning or re-painting, 2) replacement of damaged or missing components, 3) replacing damaged or destroyed packaging. Summit-USA will issue a check to the original purchaser in the amount of the original invoice minus 1) freight, 2) 20% restocking charge, and 3) any restoration charges.

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## Replacement Parts

Replacement parts are available from Summit-USA, through your dealer.

