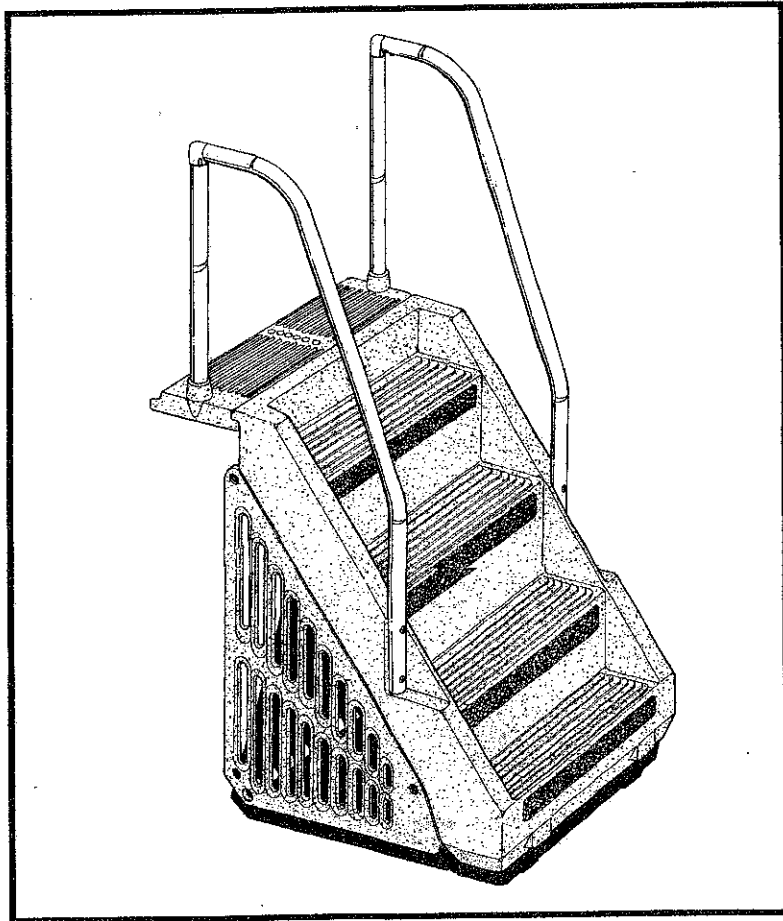


# Pool Entry System In Pool Deck Stairs

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## Owner's Guide and Warranty

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## SAFETY PRECAUTIONS

### READ AND FOLLOW ALL INSTRUCTIONS

Failure to follow important safety instructions and precautions may result in serious personal injury.

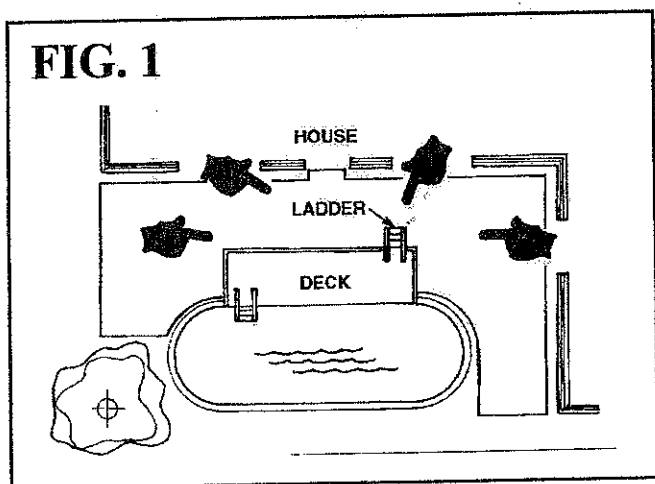
1. The Stair Entry System must be installed in accordance with these instructions.
2. NEVER JUMP OR DIVE from the platform or steps. The Stair Entry System is for sitting, standing, and entering or exiting the pool only.
3. Keep the Stair Entry System free of pool toys and other objects or debris that people could trip over causing personal injury.
4. Always use the handrails when entering or exiting the pool.
5. **CAUTION:** Never install the stairs on a sloping uneven pool bottom that could result in tilted or rocking steps. Uneven, unbalanced footing may lead to personal injury.
6. **DANGER! ELECTRICAL HAZARD.** Use extreme caution when using an electric drill when near water. Never use an electric drill when standing in or touching water. **Always use a cordless drill when working in or near water.**

## PREPARATIONS

See Fig. 1

The Stair Entry System may be installed at any point around the pool frame that provides a solid flat surface for mounting the platform. **The in-pool stairs must rest on a flat level pool floor.** See SAFETY PRECAUTIONS above.

To prevent unauthorized access to your pool, select a position on your pool that can be viewed from all directions.



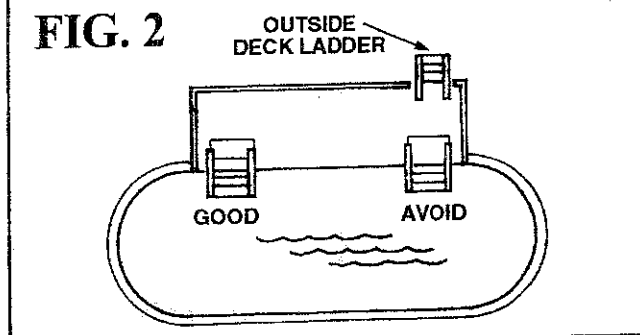
**FIG. 1**

## SELECT LADDER LOCATION

See Fig. 2

Locate the stairs for convenient access to and from the pool. Avoid locating the stairs adjacent to an outside deck ladder or stairway traffic.

**FIG. 2**



## Tools Required

You will need the following tools for installation:

- Flat-bladed Screwdriver
- Phillips Screwdriver
- Hacksaw
- Drill (cordless type recommended)
- Drill bits - 1/8" for spacer pipe & side panels holes, 5/32" for riser holes, 5/16" for 1/4" bolts.
- Pencil

## Materials Required

To neutralize the steps natural buoyancy, you must weight down the pool steps using two (2) or more 8" x 16" x 2" thick concrete block wall capstones, or use a similar material of equal weight.

## Before You Begin

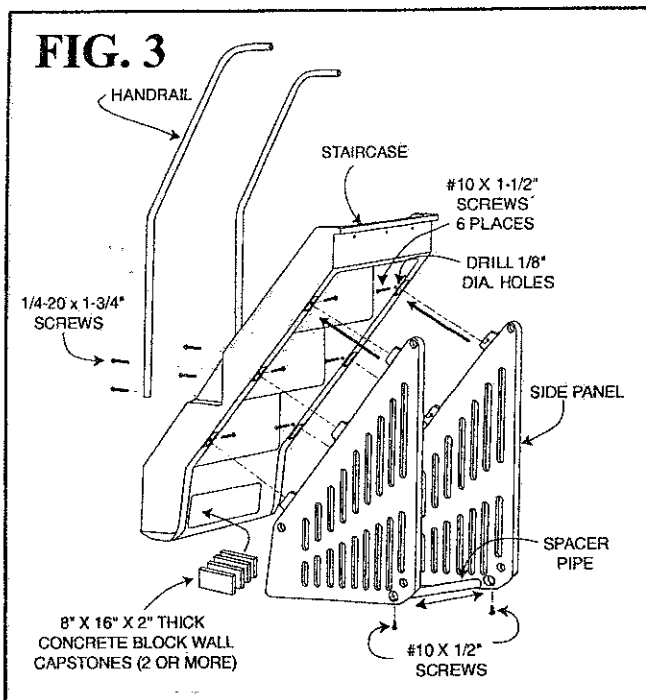
Unpack each carton and inventory the parts within against the parts list on page 5. Be sure that you have all the parts listed before you begin assembly. Report any missing parts to your pool dealer for prompt replacement.

## Hardware

Refer to the illustration below to identify the hardware used for assembly.

## HARDWARE

330-1151 1/4-20 x 1" TRUSS HEAD SCREW Stairs to Platform	
330-1279 1/4-20 X 1-3/4" SCREW Handrails to Steps	
330-1225 1/4-20 x 2-1/8" SCREW Platform to Platform Spacer	
426-1000 1/4" SAE FLAT WASHER Platform to Stairs	
330-1025 #12 x 1-1/8" SCREW Riser to Connector Elbow	
330-1286 #12 x 2-1/2" SCREW Platform to Platform Spacer	
510-1001 #10 x 1-1/2" SCREW Riser to Platform	
330-1008 #8 x 1/2" SCREW Handrail to Connector Elbow	
330-1172 #10 x 1/2" SCREW Side Panels to Spacer Pipe	

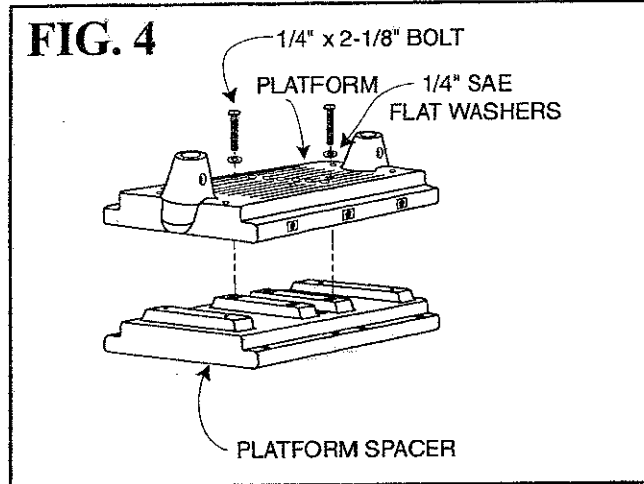


### Assemble Stairs

See Fig. 3.

Locate the stairs, and turn them upside down (stair treads facing the ground). Place a piece of cardboard under the stairs to prevent scratching or marring the stair surfaces. Locate the side panels and insert the raised bosses into the recesses on the bottom of the stair rails as shown. At each boss location, drill a 1/8" diameter hole through the inside stair rail and one wall of the side panel boss. **Be careful not to drill completely through both sides of the stair rails.** Secure each side panel to the stairs using three (3) #10 x 1-1/2" long screws.

Locate the spacer pipe and insert each end into a side panel hole as shown. Drill a 1/8" diameter hole into the pipe using the predrilled hole in the side panel as a guide. Fasten the spacer pipe to the side panels using two (2) #10 x 1/2" screws. Complete the assembly by tightening all screws securely.



Turn the assembly upright. Locate two (2) handrails and attach them to the stairs using four (4) 1/4" x 1-3/4" long screws. Tighten securely.

**NOTE:** If your pool is not filled with water, moving the stair assembly into the pool will be easier if you attach the handrails after the stairs are inside the pool.

### Attach Platform Spacer to Platform 48" Tall Pools Only - See Fig. 4

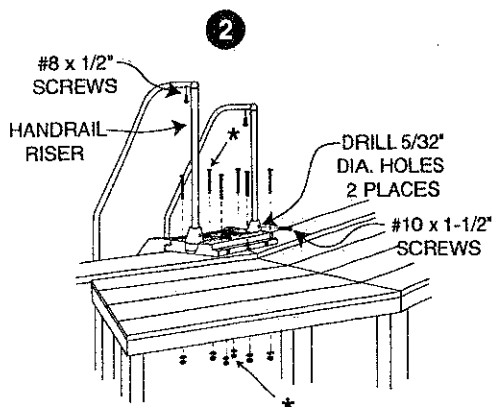
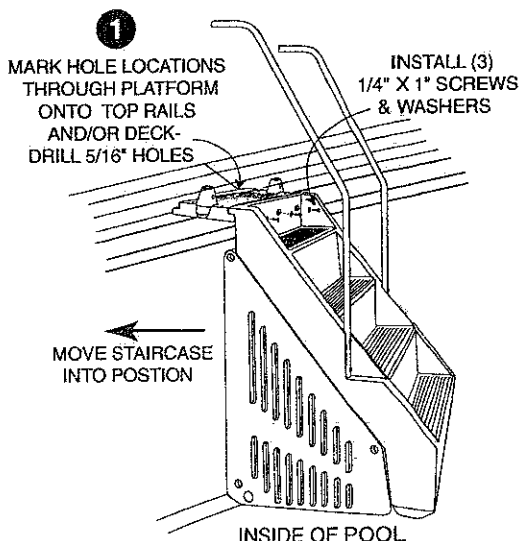
Temporarily attach the platform spacer to the underside of the platform as shown using only two (2) 1/4" x 2-1/8" long screw and washers. Tighten securely.

### Move Stair Assembly into Pool

**CAUTION:** Always enlist the aid of at least one other person when moving and lifting large components. Move the stair assembly as near as possible to the selected installation location. Carefully lift the assembly and rest it on the pool's top rails and/or deck.

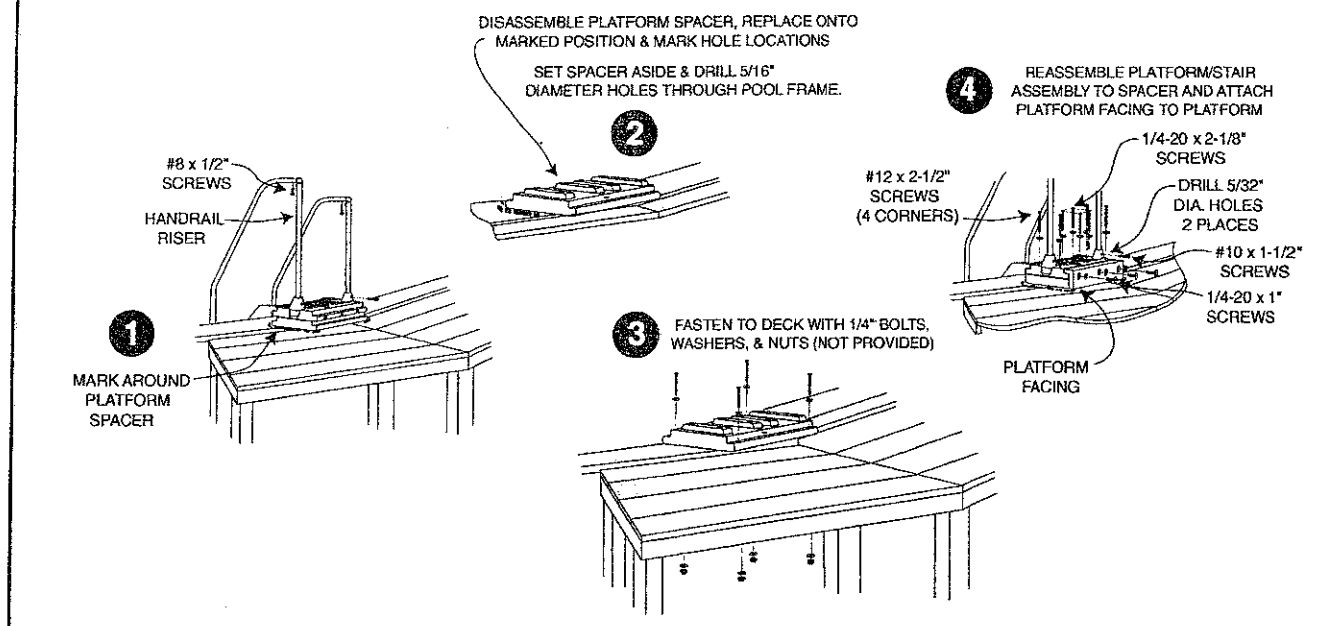
**CAUTION:** The stair assembly may be too heavy for some top rails to support. To avoid damage to pool top rails, always rest the stair's weight on the deck or over a vertical support location for additional support.

## FIG. 5A - 52" TALL POOLS



\* 1/4" BOLTS, WASHERS & NUTS NOT PROVIDED.

## FIG. 5B - 48" TALL POOLS



Lift the stair assembly into the pool being careful not to contact and/or damage the pool liner with the handrail ends if they are already installed (see NOTE above). Turn the assembly upright as shown and position it near the selected installation location.

**Filled Pools:** Tilt the stairs so that trapped air can escape through the small predrilled vent holes.

### Install Concrete Blocks

See Fig. 3

You must insert two (2) or more 8" x 16" x 2" thick concrete block wall capstones into the stair cavity as shown in Fig. 3. The blocks counteract the stairs natural buoyancy and will help to stabilize the completed assembly. **CAUTION: Don't install the blocks until the stair assembly is in the pool.** The blocks could fall out causing damage to the pool and/or deck or cause personal injury. When installing blocks when the pool is filled, be sure that you have someone to assist you.

### Remove Top Connector (If required)

If the platform is to be located over a vertical support, remove the pool's top connector from the area selected for platform installation so the platform can lay flat on the pool's top rails. **DO NOT REMOVE SCREWS THAT ATTACH THE TOP RAILS TO THE VERTICAL END CAP.**

### Locate and Drill Mounting Holes

See Fig. 5A for 52" Tall Pools

See Fig. 5B for 48" Tall Pools

Move the inside stair assembly to the selected installation location and position it **completely against the pool wall at its final location.**

Lay the platform (52" Pools) or platform with spacer (48" Pools) attached onto the top rails and align its threaded brass holes with the holes in top edge of the staircase. Install three (3) 1/4" x 1" long screws with 1/4" flat washers through staircase holes into the platform. Tighten securely.

Recheck the staircase and platform position in relation to the pool wall and make any final adjustments to its location. **Be sure that both side panels are as tight as possible against the pool wall.**

**IMPORTANT:** For additional strength, it is recommended that you install at least two #14 sheet metal screws into the vertical end cap when the platform is located over a vertical support. If possible, locate hole positions where bolts and nuts will be on the outside of the pool wall. **Avoid hole locations where the drill bit could contact and damage the pool wall or liner.**

**52" Pools Only (See Fig. 5A):** When satisfied with the platform's position, select the holes you will use for fastening the platform to the pool's frame. For maximum stability, you should connect the platform to the pool frame in at least four places. Use a pencil to mark hole locations through the platform onto the top rails and vertical end cap.

After marking holes, move the staircase/platform assembly aside and drill 5/16" diameter holes at the marked locations on the top rails. Drill 7/32" diameter holes for connection to vertical end caps with #14 x 3-1/2" screws.

**48" Pools Only (See Fig. 5B):** When satisfied with the platform's position, use a pencil to mark the platform spacer's location onto the top rails. Move the staircase aside and disassemble the spacer from the platform. Return the spacer to the position previously marked and select the holes you will use for fastening the platform spacer to the pool's frame. For maximum stability, you should connect the platform spacer to the pool frame in at least four places. Use a pencil to mark hole locations through the spacer onto the top rails and vertical end cap.

After marking holes, move the platform spacer aside and drill 5/16" diameter holes at the marked locations on the top rails. Drill 7/32" diameter holes for connection to vertical end caps with #14 x 3-1/2" screws.

### **Attach Staircase/Platform Assembly To Pool Frame**

Due to differences in deck construction, fasteners for securing the platform to your deck are not provided. However, it is recommended that you use 1/4" diameter bolts, washers, and nuts for the best results. Lag bolts or wood screws ARE NOT recommended as they tend to strip out and loosen over time.

**48" Pools only - See Fig. 5B:** Fasten the platform spacer to the pool frame using 1/4" bolts, washers, and nuts (not provided). Use #14 x 3-1/2" screws with washers when fastening to the vertical end cap. Move the staircase assembly back into position and reassemble the platform to the platform spacer using four (4) 1/4 x 2-1/8" long screws and washers at the central locations. Drill four (4) 1/8" dia. holes at the four corner locations and install four (4) #12 x 2-1/2" screws

**52" Pools only - See Fig. 5A:** Move the staircase assembly into position and fasten the platform to the pool frame using 1/4" bolts, washers, and nuts (not provided). Use #14 x 3-1/2" screws with washers when fastening to the vertical end cap.

### **Attach Riser Tubes to Platform & Handrails See Fig. 5A or 5B**

With the risers at the correct height and aligned with handrails ends, drill a 5/32" hole through the bottom of the each riser tube (1 side only) using the predrilled holes in the platform sockets as guides. Secure each riser tube to its socket using one (1) #10 x 1-1/2" screw. Push the handrail ends over the connector elbows and secure them using #8 x 1/2" long screws.

### **Attach Platform Facing to Platform 48" Tall Pools Only - See Fig. 5B**

Fasten the platform facing to the platform using three (3) 1/4" screws and washers.

## **REPAIR & MAINTENANCE**

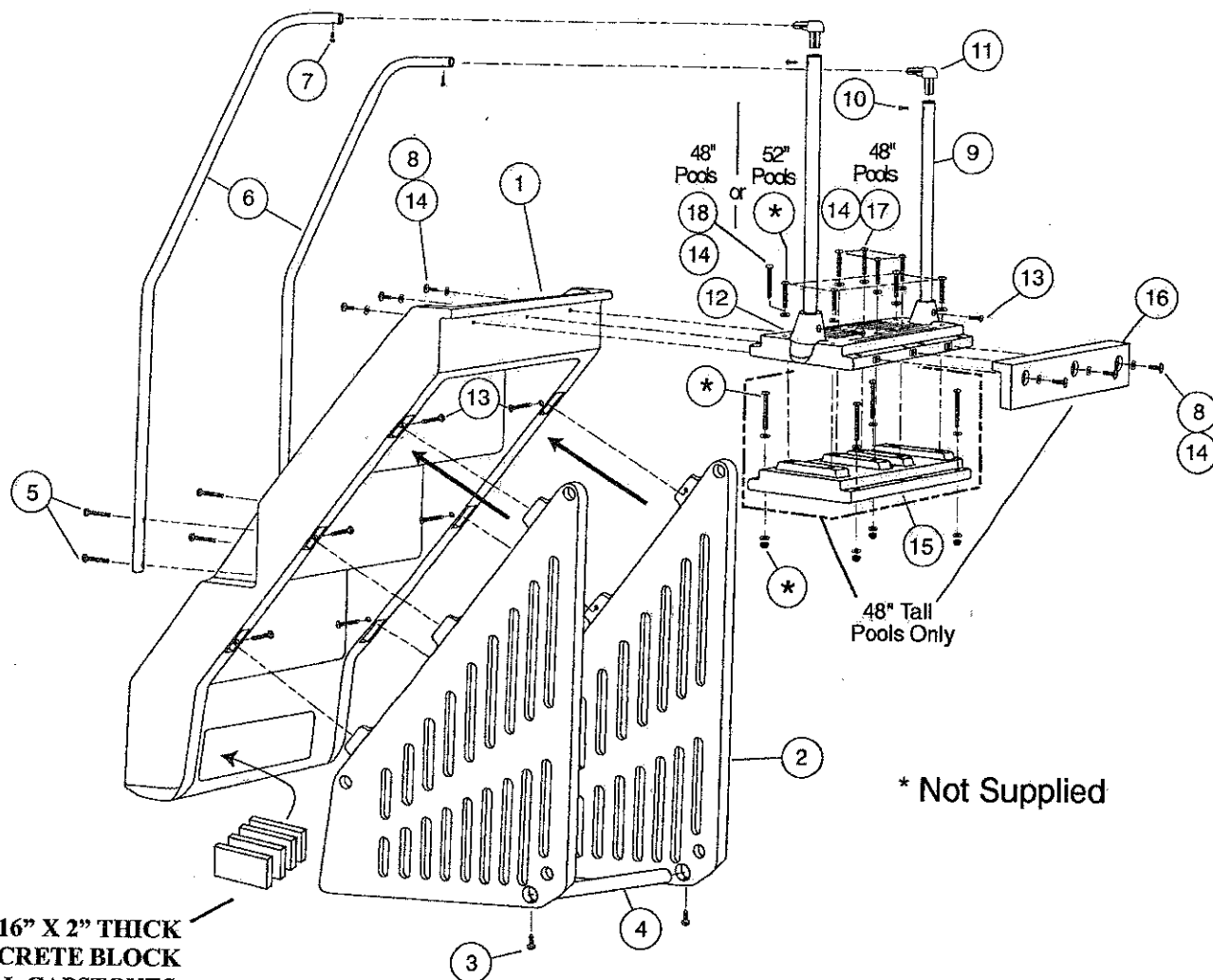
Contact your local dealer for original replacement parts. Retain this owner's guide for reference when ordering parts or making a warranty claim.

Periodically inspect the Stair Entry System to detect loose or missing hardware. Tighten all loose screws and always replace any that are missing.

## **CLEANING**

Clean your Stair Entry System with mild detergent and water only. NEVER USE SOLVENTS OR ABRASIVE CLEANERS TO CLEAN THE STAIR ENTRY SYSTEM.

# EXPLODED ASSEMBLY



8" X 16" X 2" THICK  
CONCRETE BLOCK  
WALL CAPSTONES  
(NOT PROVIDED)

In Pool Stair Entry System - Deck			
*Model _____ *(write model number here)			
ITEM #	PART NO.	QTY.	DESCRIPTION
1.	* _____	1	Stair Pack *(write pack number here)
2.	349-1048	1	Inside Stairs
3.	349-1039	2	Side Panel
4.	* _____	1	Deck Hand Rail Pack *(write pack number here)
5.	330-1172	2	#10 X 1/2" Screw
6.	341-1394	1	Side Panel Spacer Pipe
7.	330-1279	4	1/4-20 x 1-3/4" Phillips Head Mach. Screw
8.	580-2077	2	Handrail-Deck
9.	330-1008	2	#8 x 1/2" Screw
10.	330-1151	3	1/4-20 x 1" Truss Head Mach. Screw
11.	580-2086	2	Handrail Riser
12.	330-1025	2	#12 x 1-1/8" Screw
13.	340-2268	2	Connector Elbow
14.	349-1031	1	Platform
15.	510-1001	8	#10 x 1-1/2" Screw
16.	426-1000	14	1/4" SAE Flat Washer
17.	349-1033	1	Platform Spacer — 48" pools only
18.	349-1042	1	Platform Facing — 48" pools only
19.	330-1225	8	1/4-20 x 2-1/8" Phillips Head Mach. Screw
20.	330-1286	4	#12 x 2-1/2" Pan Head Screw
21.	365-2020	1	Owner's Guide & Warranty

# In Pool Stair Entry System

## FIVE YEAR LIMITED WARRANTY

### TERMS AND CONDITIONS

Retain this warranty along with your sales receipt and/or proof of purchase.

1. Hoffinger Industries is the warrantor of this product.
2. This warranty is extended to the original purchaser (consumer) only.
3. Hoffinger warrants the Stair Pool Entry System for a period of five (5) years from date of purchase against all defects in materials and workmanship.

**To exercise this warranty, the consumer must return the unit to the dealer where it was purchased.**

4. The unit will be repaired or replaced promptly after your pool dealer determines that there is a defect in materials or workmanship.  
The method of proration on this warranty is to repair or replace free of charge any part(s) found defective in the first three (3) years from the date of purchase. For the next two (2) years part(s) found to have manufacturing defects will be replaced at a prorated cost equal to the following percentages of the then existing manufacturer's suggested retail prices.  
The percentages below are paid by the consumer and apply at the beginning of the year listed:  
Years 1-3      0%  
Years 4-5      65%
5. **This warranty is null and void if the design of this product is altered in any way. Thus, the product must be assembled according to the factory directions and no changes or modifications may be made to any of the parts.**
6. Damage from chemical misuse or ice damage is not covered under warranty.
7. This warranty gives specific legal rights; the purchaser also has implied warranty rights which may vary from state to state.

Terms of sale of our warranty exclude liability for willful carelessness.

**Change of Design:** Hoffinger Industries expressly reserves the right to change or modify the design and construction of any product in due course of our manufacturing procedures, without incurring any obligation or liability to furnish or install such changes or modifications on products previously or subsequently sold.



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