

CYCLONE™

ASSEMBLY AND INSTALLATION INSTRUCTIONS

S.R. Smith LLC™



*** * CAUTION * ***

S.R. SMITH CYCLONE™ SLIDES ARE MANUFACTURED FOR INSTALLATION AND USE ON INGROUND SWIMMING POOLS ONLY. THE CYCLONE™ IS NEVER TO BE INSTALLED AND USED ON ABOVEGROUND POOLS, ONGROUND POOLS, HOUSEBOATS, BOAT DOCKS, FLOATING DOCKS OR PLATFORMS OR OTHER BODIES OF WATER SUCH AS LAKES, PONDS, RIVERS, ETC.

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INTRODUCTION

The Cyclone™ slide is designed and manufactured for installation and use on inground swimming pools only. Cyclone™ slides are NEVER to be installed and used on aboveground pools, onground pools, houseboats, boat docks, floating docks or platforms, or other bodies of water such as lakes, ponds, rivers, etc. Proper and complete assembly, use and supervision is essential for proper operation and to reduce the risk of accident or injury.

****IMPORTANT****

Check entire boxes and inside all packing materials for parts. Before beginning assembly, read the instructions and identify parts using the figures and parts listed in this document. It is critical that all parts be carefully inspected by the installer prior to installation to ensure that no damage occurred in transit and that a damaged part is not used. Proper installation cannot be overstressed, as an improper installation voids S.R. Smith's warranty and may affect the safety of the user.

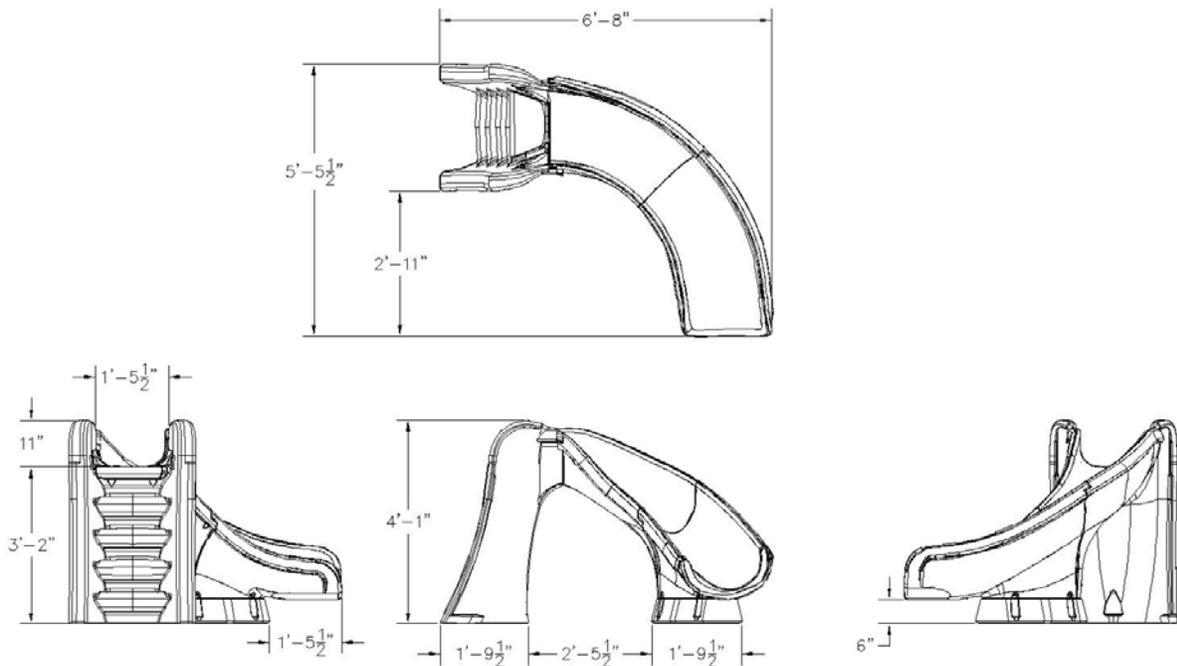


FIG. 1

CYCLONE™ PARTS LIST

ITEM #	PART #	DESCRIPTION	QTY.
1	5-139	3/8" Hex Nut	2 ea.
2	5-151	3/8" Lock Washer	2 ea.
3	05-14-115	1/2" Lock Washer	7 ea.
4	5-145	3/8" Flat Washer	16 ea.
5	5-245	3/8" x 2-1/2" Lag Screw	10 ea.
6	5-240	3/8" x 3-1/2" Lag Screw	2 ea.
7	5-238	3/8" x 6" Hex Head Cap Screw	2 ea.
8	5-241	1/2"-13 Anchor 5.5" Long w/Nut & Washer	7 ea.



(1)



(2)



(3)



(4)



(5)



(6)



(7)



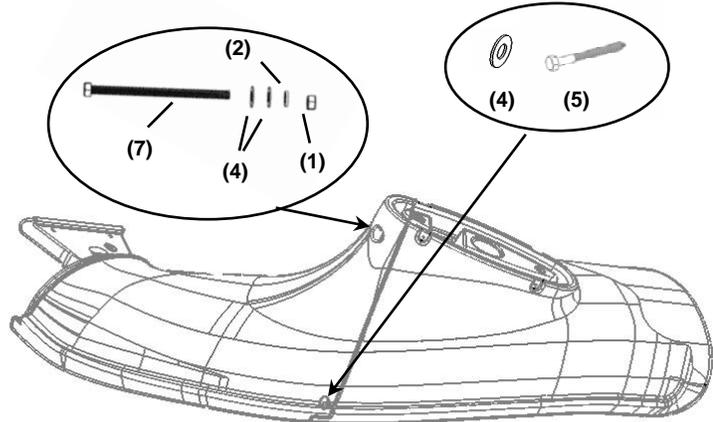
(8)

Tools Required:

1. Ratchet handle
2. 9/16" deep socket
3. 9/16" wrench
4. 1/2" socket or wrench
5. 1/2" concrete drill bit
6. 1/4" drill bit
7. Power drill

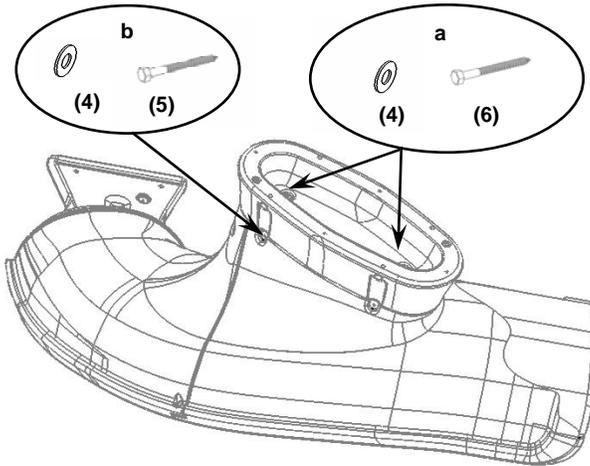
ASSEMBLY INSTRUCTIONS

1. Place the upper & lower slide runway sections on the ground. Assemble and fasten as shown.

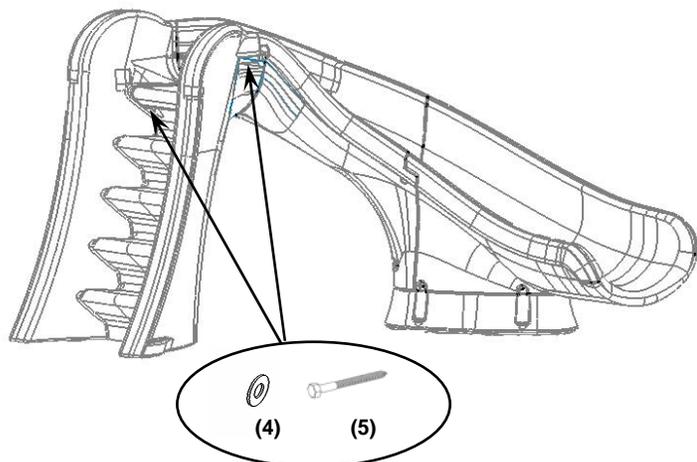


2. a. Attach the pedestal to the upper & lower slide sections as shown in (2) locations.

b. Attach the pedestal as shown in (4) locations. Mark and drill a 1/4" pilot hole in the center of each recess before fastening with the lag screws.

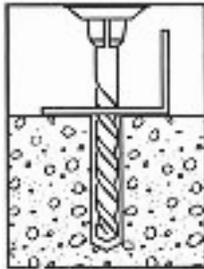


3. Attach the assembled slide runway to the ladder using the hardware shown.



ON-DECK MOUNTING INSTRUCTIONS

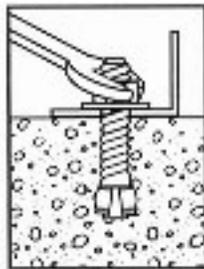
1. Place the assembled slide on the deck relative to the pool wall. Ensure that the exit flume clears any coping. Slide may be angled slightly providing all dimensions are maintained as noted in the **Manufacturer's Placement Instructions** noted in the following section.
2. With the slide in its proper location, center punch or otherwise mark through the (7) mounting holes at the bottom of the ladder and base so that a visible mark is apparent on the concrete.
3. Move the assembled slide aside to facilitate drilling of the anchoring holes.
4. Using a power drill and a 1/2" concrete drill bit, drill the holes to a depth of 4". Use tape or a marking on the drill bit to ensure that the hole for the anchor is drilled to the required depth. Maintain drill hole straight and perpendicular for proper holding strength of anchor stud.



5. Clear the holes of all debris. Assemble anchor with nut and washer so that the top of the nut is flush with the top of the anchor. Move the slide over the holes and insert the anchors. Drive anchor through the slide mounting holes so that nut and washer are flush with the surface material.

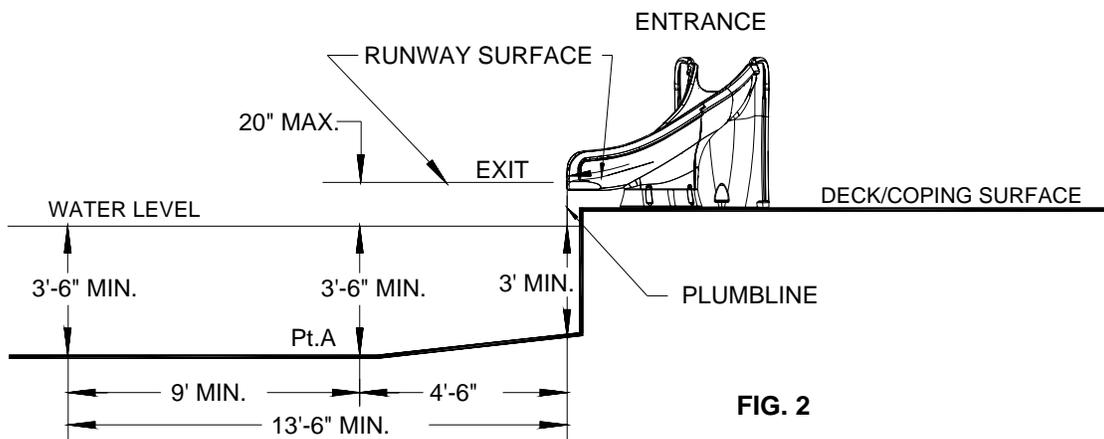


6. Expand anchor by tightening nut 3 to 5 turns. Once anchor is set remove nut and install a lock washer, item # (3), and retighten nut to a torque of 55 ft.-lbs.



MANUFACTURER'S PLACEMENT INSTRUCTIONS

1. The critical dimensions for placement of the CYCLONE™ are as shown in **FIG. 2** and **3**.
 - A. The slide exit runway surface shall not exceed twenty inches (20") above the water surface as shown in **FIG. 2**.
 - B. The slide shall be positioned so that all water flowing off the runway exit drops into the pool. The recommended overhang is 4 inches.
 - C. The minimum depth of water below the exit lip of the slide shall be three feet (3') and increase to three feet six inches (3'-6") at Pt. A, which is a distance of four feet six inches (4'-6") from the exit lip of the slide as shown in **FIG. 2**.
 - D. A minimum depth of three feet six inches (3'-6") shall be maintained at a distance of nine feet (9') along the extended centerline of the slide from Pt. A. as shown in **FIG. 2**.



2. A minimum clearance area in front of the slide shall be maintained at all times as follows:
 - A. The minimum clearance distance on either side of the extended centerline of the slide runway shall not be less than three feet six inches (3'-6") at a point no less than two feet six inches (2'-6") from the exit lip of the slide and extending a distance of thirteen feet six inches (13'-6") in front of the slide as shown in **FIG. 3**.
 - B. The minimum clearance area in front of a properly installed diving board on an inground swimming pool is a minimum distance of three feet six inches (3'-6") on either side of the board's centerline as shown in **FIG. 4**. Pt. C extends a minimum distance of "C" from the tip end of the board as shown in **FIG. 4**. The width distance "W" on either side of Pt. C is given in CHART 1 and shown in **FIG. 4**.

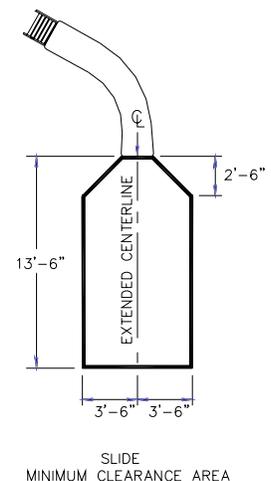


FIG. 3

CHART 1

BOARD MINIMUM CLEARANCE AREA		
POOL TYPE	"C" DIMENSION	"W" DIMENSION
I	14'-6"	5'-0"
II	14'-6"	6'-0"
III	16'-6"	6'-0"
IV	18'-6"	7'-6"
V	21'-0"	7'-6"

See Article 5 contained in ANSI/NSPI-5 2003 STANDARD FOR RESIDENTIAL INGROUND SWIMMING POOLS and refer to FIGURE 3 and Table 1 for Minimum Water Envelope Dimensions AB, BC and Width at Point C.

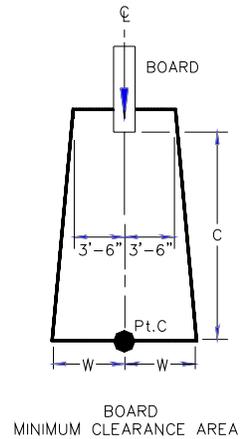


FIG. 4

"C" DIMENSION FOR BOARD = AB + BC
 "W" DIMENSION FOR BOARD = WIDTH AT PT.C

- C. The minimum clearance area of a slide or diving board shall not intersect any coping or rope and float line as shown in **FIG. 5**. The minimum clearance area of a slide or diving board may intersect each other provided that they are not used simultaneously.

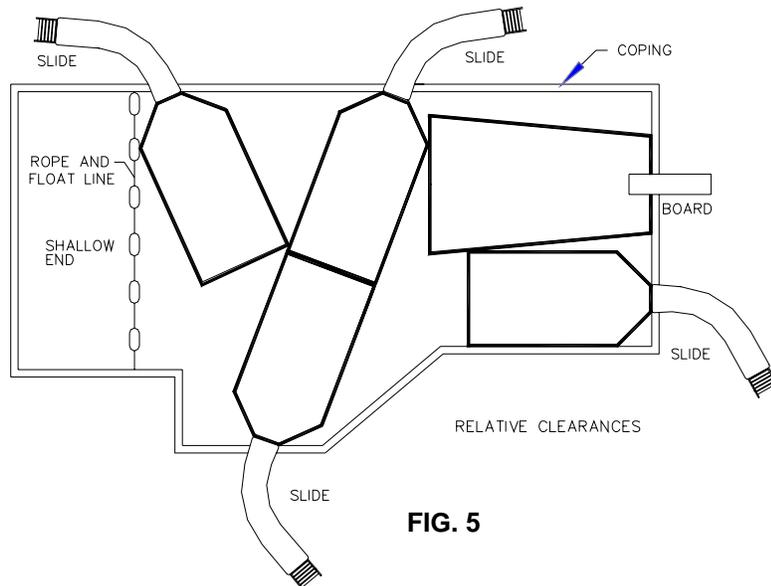


FIG. 5

INSTALLED CYCLONE™ STRUCTURAL & INSTALLATION CHECKLIST

1. Inspect the runway for visible cracks or tears.
2. Inspect the ladder for sharp edges, protrusions, cracks or tears.
3. Inspect all fasteners to make sure they are fully tightened.
4. Inspect the ladder for rigidity and attachment.
5. Measure the following dimensions and compare with the Manufacturer's Placement Instructions on pages 6 and 7.
 - Measure the depth of water in front of the slide exit. (3'-6" min. depth at a distance of 4'-6" from exit end of slide.)
 - Measure the height of the slide runway exit above the water. (20" max.)
 - Measure the distance between the slide centerline and the edge of other pool equipment.
6. Observe the position of the exit of the slide as shown in **FIG.'S 2, 3 and 5** on pages 6 and 7.

IMPORTANT

PERSONALLY GIVE TO SLIDE OWNER THE CYCLONE™ OWNER'S MANUAL, THE WARRANTY CARD AND ANSWER ALL QUESTIONS.