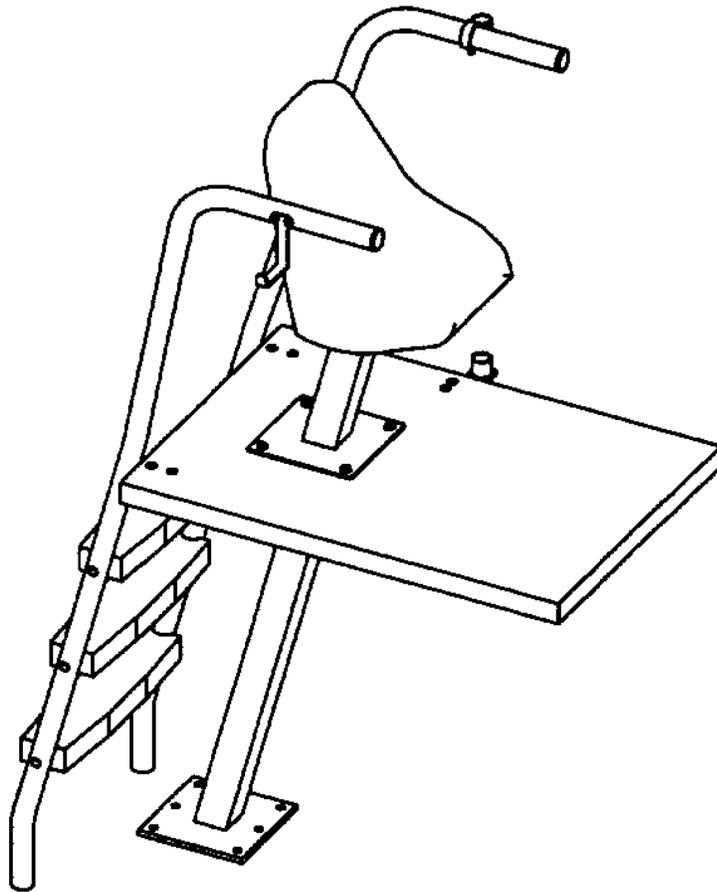


# Guardian Series Stimson & Stimson II



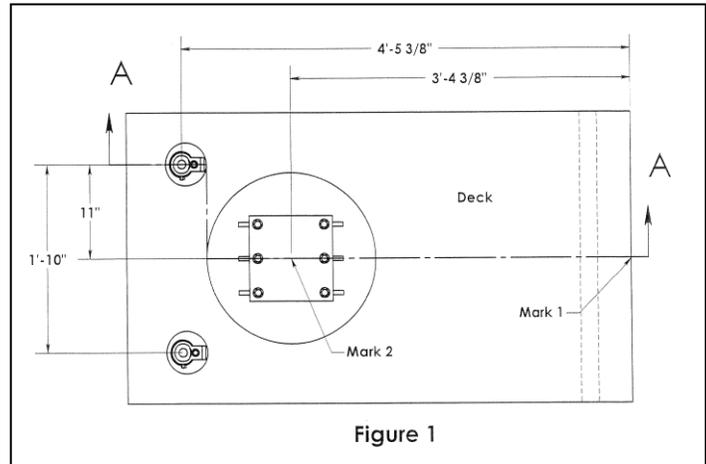
## Owner's Manual Assembly, Installation and Operation

### 1.90" O.D. Tubing Version Anchor Installation:

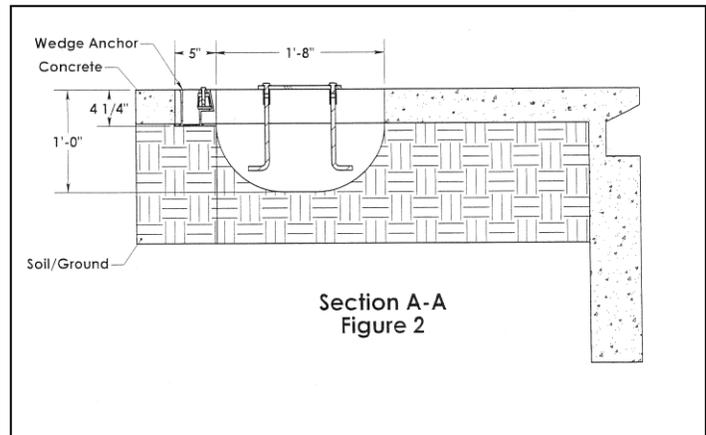
(Use the figure 1 and 2 for clarification, the pool edge is at the right side of the drawing).

Spectrum Anchor Assembly Part Number 20013-00 sold separately

1. Determine where on the pool deck you want to locate your new chair and make a mark at the pool edge.
2. Mark the anchor locations as follows:
  - a. Main Pedestal anchor setback: 3' 4 3/8" from the pool wall.
  - b. Wedge anchor setback: 4' 5 3/8" from the pool wall.



3. Using a jackhammer or concrete saw, cut out a 20-inch diameter hole in the concrete at the point of the Mark 2. The depth of the hole should be at least 12-inches.
4. Drill into the exposed sides of the existing concrete slab and insert new rebar to fuse the new concrete with the existing concrete.
5. Using a jackhammer or concrete saw, cut out two 5-inch diameter holes into the deck at the point of the wedge anchors. The depth of the holes should be at least 4 1/4-inches.
6. **NOTE: Consult with an electrician on local bonding requirements before proceeding with the rest of the installation.**



7. Attach a wire to the bonding bolt on one of the anchor rods of the main pedestal anchor. Lower the anchor into the hole and attach the other end of the wire to the bonding grid of the pool.
8. Square the pedestal anchor with the pool wall. The bottom of the plywood should be flush with the top of the pool deck. Level the anchor in the hole.
9. Attach a bonding wire to each of the wedge anchors and lower each anchor into its respective hole and attach to the bonding grid.
10. Fill each hole around the anchors with new concrete and allow it to cure for at least 48 hours before installing the guard chair.

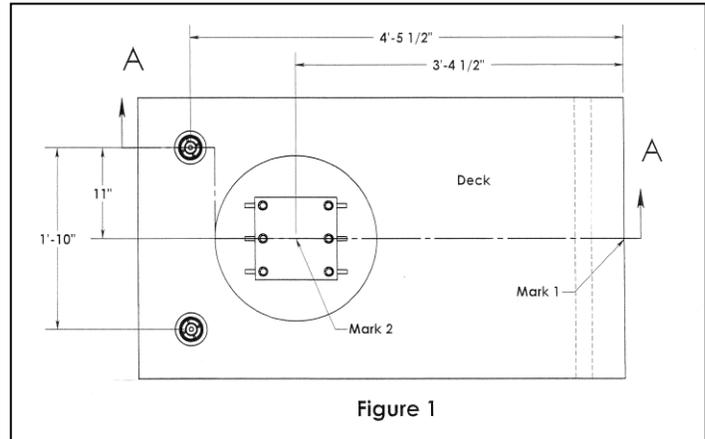
### 1.50" O.D. Tubing Version Anchor Installation:

(Use the figure 1 and 2 for clarification, the pool edge is at the right side of the drawing).  
Spectrum Anchor Assembly Part Number 20016-00 sold separately

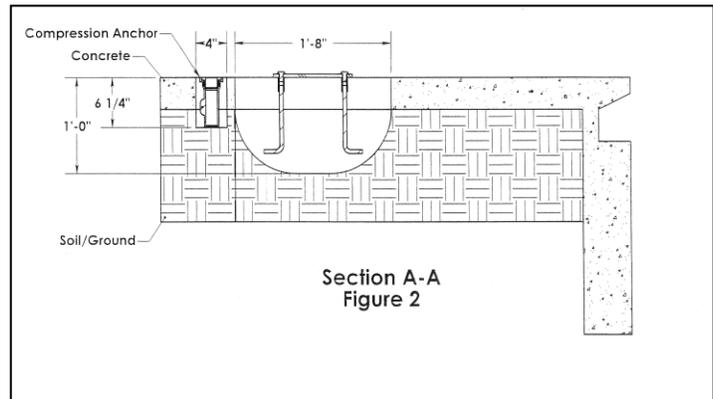
1. Determine where on the pool deck you want to locate your new chair and make a mark at the pool edge.
2. Mark the anchor locations as follows:

- a. Main Pedestal anchor setback: 3' 4 3/8" from the pool wall.
- b. Wedge anchor setback: 4' 5 3/8" from the pool wall.

3. Using a jackhammer or concrete saw, cut out a 20-inch diameter hole in the concrete at the point of the Mark 2. The depth of the hole should be at least 12-inches.



4. Drill into the exposed sides of the existing concrete slab and insert new rebar to fuse the new concrete with the existing concrete.
5. Using a jackhammer or concrete saw, cut out two 4-inch diameter holes into the deck at the point of the wedge anchors. The depth of the holes should be at least 6 1/4-inches.



6. **NOTE: Consult with an electrician on local bonding requirements before proceeding with the rest of the installation.**

7. Attach a wire to the bonding bolt on one of the anchor rods of the main pedestal anchor. Lower the anchor into the hole and attach the other end of the wire to the bonding grid of the pool.
8. Square the pedestal anchor with the pool wall. The bottom of the plywood should be flush with the top of the pool deck. Level the anchor in the hole.
9. Attach a bonding wire to each of the wedge anchors and lower each anchor into its respective hole and attach to the bonding grid.
10. Fill each hole around the anchors with new concrete and allow it to cure for at least 48 hours before installing the guard chair.

## Guard Chair Assembly & Installation – Hardware Lists

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### Hardware list: (1.90" Version)

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**Ladder to footboard Hardware:**

- (4) 3/8"x2 3/4" Button Head Bolts - 564956-03
- (4) 3/8" Flat Washer - 565250-03
- (4) 3/8" Lock Washer - 565200-03
- (4) 3/8" Hex Nut - 565050-03

**Step Tread Hardware:**

- (6) 3/8"x2 1/2" Step Bolt - 564826-03
- (6) 3/8" hex Nut - 565050-03
- (6) 3/8" Lock Washer - 565200-03
- (6) 3/8" Flat Washer - 565250-03

**Ring Buoy Hardware:**

- (2) 5/16"x2 1/2" Button Head Bolt - 562970-03
- (2) 5/16" Flat Washer - 563200-03
- (2) 5/16" Lock Washer - 563150-03
- (2) 5/16" Acorn Nuts - 563050-03

**Pedestal to Footboard Hardware:**

- (4) 3/8"x3" Hex Head Bolt - 564500-03
- (8) 3/8" Flat Washer - 565250-03
- (4) 3/8" Nylock Nut - 565150-03

**Quick Disconnect Hardware:**

- (4) 1/4"x1 1/4" Button Head Bolt - 561279-03
- (4) 1/4" Flat Washer - 561095-03
- (4) 1/4" Nylock Nut - 561080-03

**Umbrella Holder Hardware:**

- (2) 3/8"x2 3/4" Button Head Bolts - 564956-03
- (2) 3/8" Flat Washer - 565250-03
- (2) 3/8" Lock Washer - 565200-03
- (2) 3/8" Hex Nut - 565050-03
- (2) 5/16"x2 1/2" Button Head Bolt - 562970-03
- (2) 5/16" Flat Washer - 563200-03
- (2) 5/16" Lock Washer - 563150-03
- (2) 5/16" Acorn Nuts - 563050-03

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### Hardware list: (1.50" Version)

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**Ladder to footboard Hardware:**

- (4) 3/8"x2 1/2" Button Head Bolts - 564956-03
- (4) 3/8" Flat Washer - 565250-03
- (4) 3/8" Lock Washer - 565200-03
- (4) 3/8" Hex Nut - 565050-03

**Step Tread Hardware:**

- (6) 3/8"x2" Step Bolt - 564826-03
- (6) 3/8" hex Nut - 565050-03
- (6) 3/8" Lock Washer - 565200-03
- (6) 3/8" Flat Washer - 565250-03

**Ring Buoy Hardware:**

- (2) 5/16"x2" Button Head Bolt - 562970-03
- (2) 5/16" Flat Washer - 563200-03
- (2) 5/16" Lock Washer - 563150-03
- (2) 5/16" Acorn Nuts - 563050-03

**Pedestals to Footboard Hardware:**

- (4) 3/8"x3" Hex Head Bolt - 564500-03
- (8) 3/8" Flat Washer - 565250-03
- (4) 3/8" Nylock Nut - 565150-03

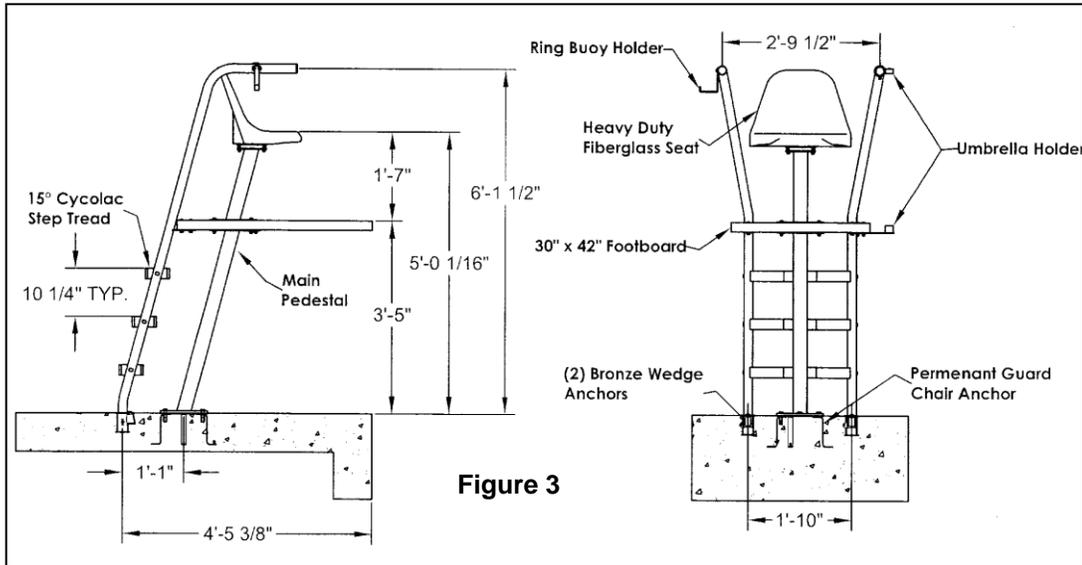
**Quick Disconnect Hardware:**

- (4) 1/4"x1 1/4" Button Head Bolt - 561279-03
- (4) 1/4" Flat Washer - 561095-03
- (4) 1/4" Nylock Nut - 561080-03

**Umbrella Holder Hardware:**

- (2) 3/8"x2 1/2" Button Head Bolts - 564956-03
- (2) 3/8" Flat Washer - 565250-03
- (2) 3/8" Lock Washer - 565200-03
- (2) 3/8" Hex Nut - 565050-03
- (2) 5/16"x2" Button Head Bolt - 562970-03
- (2) 5/16" Flat Washer - 563200-03
- (2) 5/16" Lock Washer - 563150-03
- (2) 5/16" Acorn Nuts - 563050-03

**Assembly Instructions:**  
(Use figure 3 for clarification).



Read the entire manual before assembly to familiarize yourself with the product. Actual assembly of the chair, less the anchor installation, should take approximately 1 to 2 hours depending upon your experience. Two persons are helpful when assembling the main pedestal to the footboard and lifting into place on the anchor.

**NOTE:** The instructions that follow cover assembly of both the 1.90" tubing and 1.50" tubing versions of the chair. Verify the hardware list of the appropriate model you are assembling. Differences are mainly in the size of hardware used.

1. Attach the Main Pedestal and chair pedestal to the footboard by sandwiching the footboard between the two pedestals and securing with (4) 3/8"x2 3/4" Button Head Bolts (3/8"x2 1/2" for 1.5 version), (4) 3/8" Flat Washers, (4) 3/8" Lock Washers and (4) 3/8" Hex Nuts.
2. Stand the assembly up and attach it to the permanent guard chair anchor already in the deck. The end of your footboard should come flush with the pool wall. Tighten the assembly to the anchor bolts using the 1/2" hardware supplied with your anchor.
3. Remove the seat from the quick disconnect swivel by pressing down on the tab at the back of the assembly and sliding the seat off and attach the quick disconnect swivel assembly to the top of the seat pedestal using the (4) 1/4" x 1-1/4" Button Head Bolts, (4) 1/4" Flat Washers and (4) 1/4" Nylock Nuts.
4. Slide the seat onto the quick disconnect swivel assembly until it clicks into place.
5. Insert the ladder rails into the rear wedge/compression anchors. Do not tighten the anchors at this time.
6. Attach the ladder rails to the footboard using the remaining (4) 3/8"x2 3/4" Button Head Bolts (3/8"x2 1/2" for 1.5 version), (4) 3/8" Flat Washers, (4) 3/8" Lock Washers and (4) 3/8" Hex Nuts.

7. Insert the step treads between the ladder rails and secure with the (6) 3/8"x2 1/2" tread bolts (3/8"x2" for 1.5 version), (6) 3/8" Flat Washers, (6) 3/8" Lock Washers and (6) 3/8" Hex Nuts.
8. Attach the lower umbrella holder to the footboard using (2) 3/8"x2 3/4" Button Head Bolts (3/8"x2 1/2" for 1.5 version), (2) 3/8" Flat Washers, (2) 3/8" Lock Washers and (2) 3/8" Hex Nuts.
9. Attach the upper umbrella holder to one of the ladder rails using (2) 5/16"x2 1/2" Button Head Bolts (5/16"x2" for 1.50" Version), (2) 5/16" Flat Washers, (2) 5/16" Lock Washers and (2) 5/16" Acorn Nuts.
10. Attach the ring buoy holder to the other ladder rail using (2) 5/16"x2 1/2" Button Head Bolts (5/16"x2" for 1.50" Version), (2) 5/16" Flat Washers, (2) 5/16" Lock Washers and (2) 5/16" Acorn Nuts.
11. Tighten all hardware and wedge/compression anchors.

## **Care and Maintenance**

### **The Importance of Proper Care and Cleaning:**

In spite of high resistance to corrosion, the 300-series stainless steel used in Spectrum products can be compromised in several ways. Iron-based rust can occur, regardless of the fact that being a nickel alloy, stainless steel does not ordinarily rust. This type of corrosion can happen by coming into contact with Halogen Salts (Chlorine and Bromine). Surface contamination and the formation of deposits are critical factors as well, which may lead to drastically reduced life of the product. Certain working environments can create more aggressive conditions, such as warm, high humid atmospheres above indoor swimming pools. These environments can increase the speed of corrosion, thus increasing the need for upkeep. Advice is often sought concerning the frequency of cleaning stainless steel surfaces, and the answer is quite simply "clean the metal when it is dirty in order to restore its original appearance". This time line could range from as often as once a day to as little as four times a year.

### **Cleaning, Care and Maintenance:**

While the surface appearance of stainless steel products is attractive and hygienic, it cannot be regarded as completely maintenance free. All grades of stainless steel may in fact stain, discolor or attain an adhering layer of grime in normal service. To achieve the maximum corrosion resistance, the surface of the stainless steel must be kept clean. Providing cleaning schedules are carried out regularly, good performance and long life will be achieved. The cost and frequency to maintain the appearance of stainless steel is generally less in comparison to other materials. These costs often offset the higher initial costs associated with stainless steel products.

### **Spectrum Products® Cleaning Kit:**

A technique known as passivation can be used to provide a chemically clean surface that will aid in the re-formation of the surface oxide layer. This oxide film forms naturally on clean surfaces exposed to the atmosphere, but contact with acid mixtures containing oxidizing agents can enhance its formation. An acid wash also serves the important function of dissolving any free-iron contamination on the surface of the stainless steel. Passivation is therefore recommended as a cleaning procedure to remove rust spots and free-iron deposits. Passivation is the removal of iron or iron compounds that build up on the surface of the stainless steel by means of a chemical dissolution. Periodic cleaning with Spectra-Clean™ System 1, Spectrum Part Number 202050-00, is recommended for stainless steels that are used in commercial aquatic facilities.

The use of stainless steel in the manufacturing of swimming pool equipment has a long successful history. With an understanding of its care and maintenance it will provide you years of service.