

Mariner System

[generic instruction]

These are instructions for installing the Mariner System for use with any of the SUMMIT-USA slides. First familiarize yourself with the written installation instructions. Always use a lubricant on stainless steel bolt threads to prevent galling.

To begin the layout: measure to locate POST#1 in accordance with the layout diagram included in your installation packet. Mount a 5" floor flange at the post number 1 location. First you will need to drill anchor holes in the concrete. After you have meticulously cleaned the holes and installed the anchors bolt down the first floor flange. Distribute the remaining floor flanges to their approximate positions and insert the short lengths of 5 inch pipe. Use the deck frame to establish locations of remaining flanges. Install masonry anchors and bolt all floor flanges. Use the same procedure to install floor flanges for any additional decks. If installing the aqua deluxe slide, use its frame and short piece of 3" pipe to determine the location of its center post, and install the 3" floor flange. Next set posts 1, 2, 3, and 4 and bolt them to the floor flanges.

Assemble the deck: Now slide the first deck frame from the top down, to the desired height. You may need to loosen a few or all bolts to facilitate this. After you level the deck frame in all directions drill and set the u-drives with a hammer. Set the deck cover in place and install the sunburst side rail panel into the lower tabs and then slide the upper retainers onto the posts and engage the stubs into the holes in the panels. Be sure to install any accessory features, such as space fillers or seat mounts, in the proper order.

Install the straight stairs: by 1st bolting on its handrails. Now set the stair in position to mark the location under the bottom stair for its 3 anchors. Remove the stairs and drill and install anchors. Replace stairs and install the bottom stair bolts loosely but do not tighten. Bolt the top stair and handrails to the deck making sure to slip the upper handrail ends into their sockets. Last tighten the 3 bottom stair bolts. Install U-drives to secure the top riser to the deck.

Assemble the upper deck: Install posts and load the spiral stair treads. Stagger them to evenly distribute their weight. Next install the second frame to its correct height making sure it is level, and secure in place with U-drives. Set deck cover and install side panels. Make sure the posts are aligned and plumb before installing x-braces and u-drives.

Install the spiral stair: Start at the top and rotate the stairs into their correct position. Set the spiral handrail on the stairs and begin bolting the balusters on from the top down. Install the spacer balusters as you go, with long bolts, making sure they are plumb. Bolt the remaining balusters to the treads with the shorter bolts. Install the newel post through the handrail socket and into its 3" floor flange. Mark the anchor locations and remove post. Drill and install anchors and reinstall post permanently. Make sure to check the entire structure for fit, level and plumb and make any final adjustments. Install all remaining U-drives, and then proceed with the slide installation.