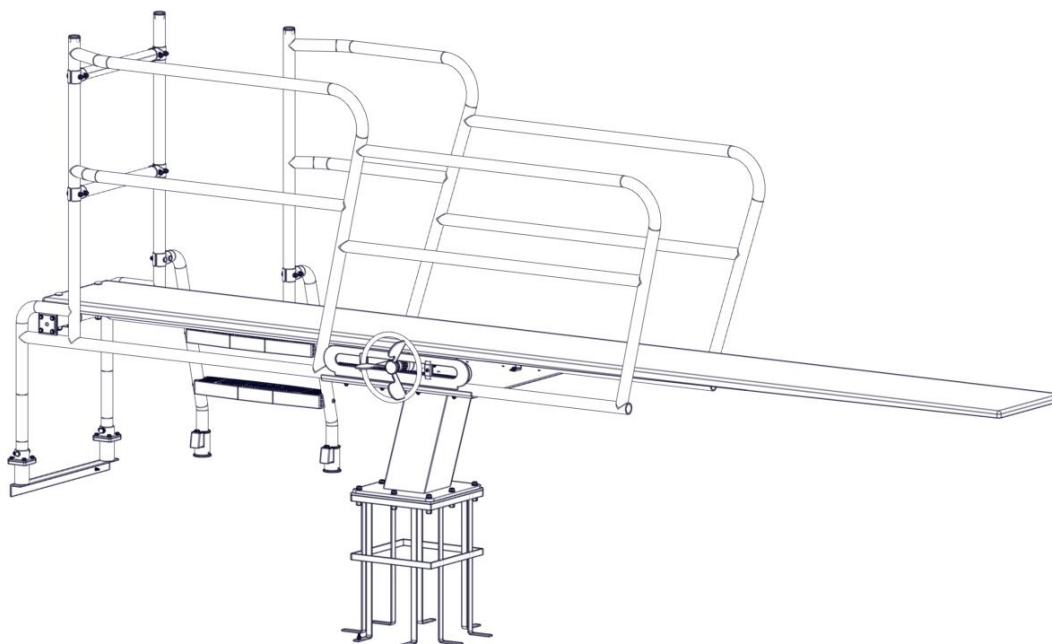


# CHEYENNE DIVE STAND

LEFT/RIGHT/REAR ENTRY

1m 3/4m 2/3m 1/2m HEIGHT, 1.90" &  
1.50" RAIL DIA



7100 Spectrum Lane | Missoula MT 59808 | 800.791.8056 | [www.spectrumproducts.com](http://www.spectrumproducts.com)

Cheyenne OM

**READ OWNERS MANUAL IN ENTIRETY BEFORE BEGINNING INSTALLATION.**

You have purchased a Spectrum Products Cheyenne Dive Stand. Providing the unit is installed correctly and properly maintained, it will furnish you with many years of trouble free use. It is important to read this entire manual prior to beginning assembly or operation.

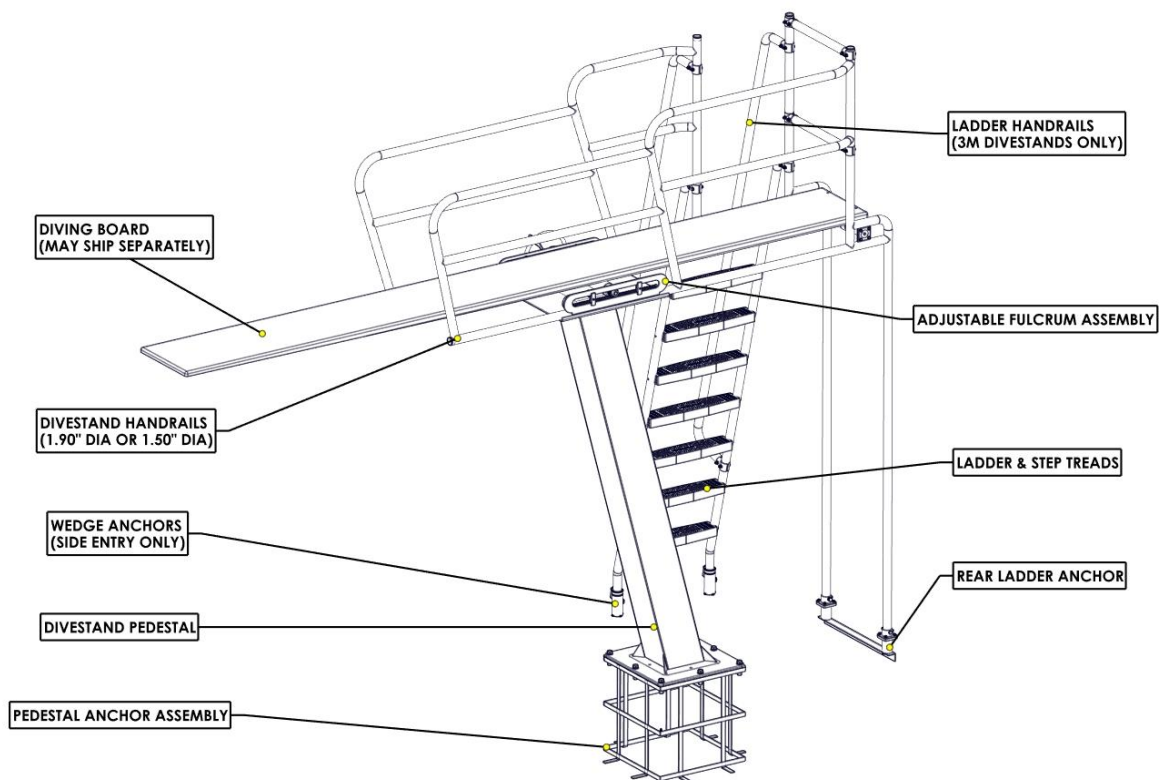
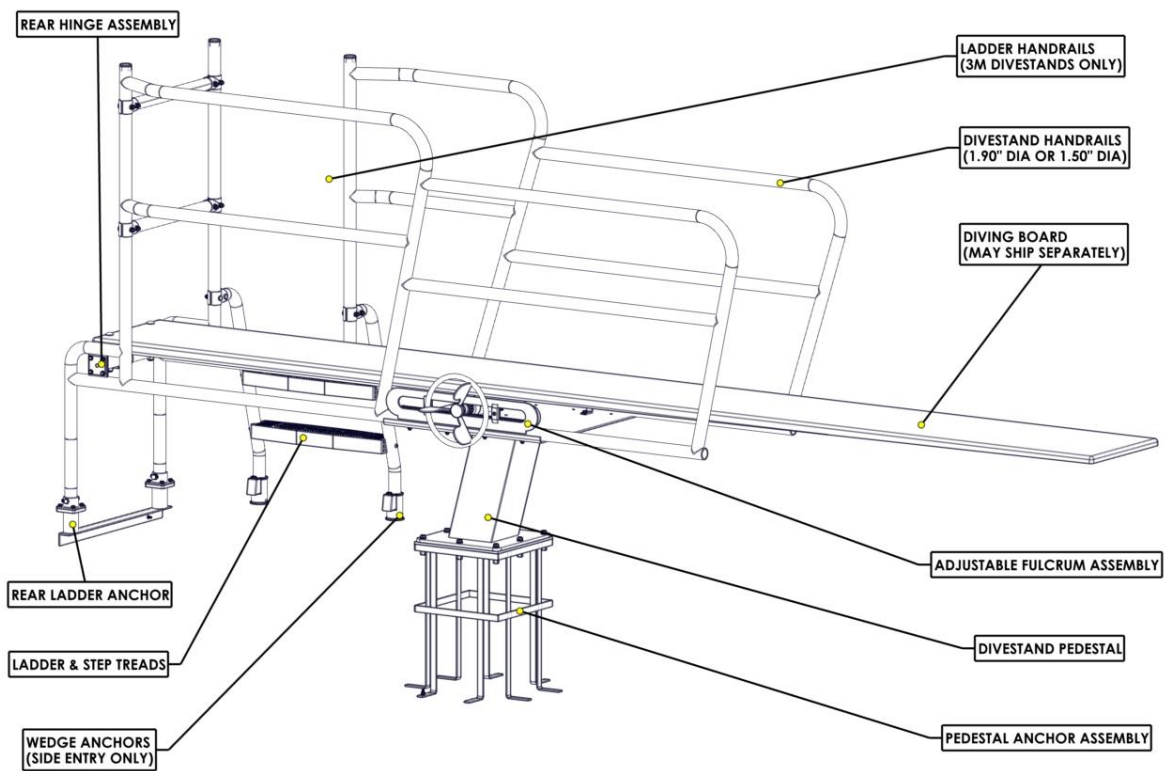
**Shipping Information:**

Each Dive Stand will arrive partially assembled. Before accepting the lift from the carrier, inspect for visible damage and match the contents with those listed below. Spectrum is not responsible for lost or damaged freight.

The box will contain all structural components and hardware. The following is a list of the components included with your shipment from Spectrum. Use Components and Hardware Figure, page 2, as a reference to identify each item listed.

1	REAR HINGE ASSEMBLY	1	REAR LADDER ANCHOR ASSEMBLY
1	ADJUSTABLE FULCRUM ASSEMBLY	1	PEDESTAL ANCHOR ASSEMBLY
1	HANDRAILS (1.90" OR 1.50" DIA)	1	LADDER SUPPORTS/STEP TREADS PACKAGE
1	LADDER HANDRAILS (3M ONLY)	1	DIVING BOARD (MAY SHIP SEPARATELY)
1	DIVESTAND PEDESTAL	2	WEDGE ANCHORS (SIDE ENTRY ONLY)

## **Components and Hardware**



## Anchor Installation Overview

1. Set the cage anchor, rear ladder anchors, and wedge anchors (side entry stands only) in concrete at the setbacks from the pool wall shown on the final submittal drawing. The concrete surrounding the anchors should match or exceed the dimensions per the specifications shown on the previous page. **It is very important that the anchors are level & flush with the finished deck as well as square with the pool edge. The anchor set tool can be used to assist in leveling the rear ladder anchor assembly.**
2. After the cage anchor and rail anchors are set, allow the concrete 7-10 days to cure before dive stand use. Allow 48 hours before continuing with installation. All anchors should be bonded according to National Electric Code Section 680-22 using a No. 8 AWG solid copper wire.

## Assembly Instruction

1. Place the pedestal and install with the hardware shown in Figure A below. Tighten ½"-13x1-3/4" bolts to 43 ft-lbs. Check daily for tightness.

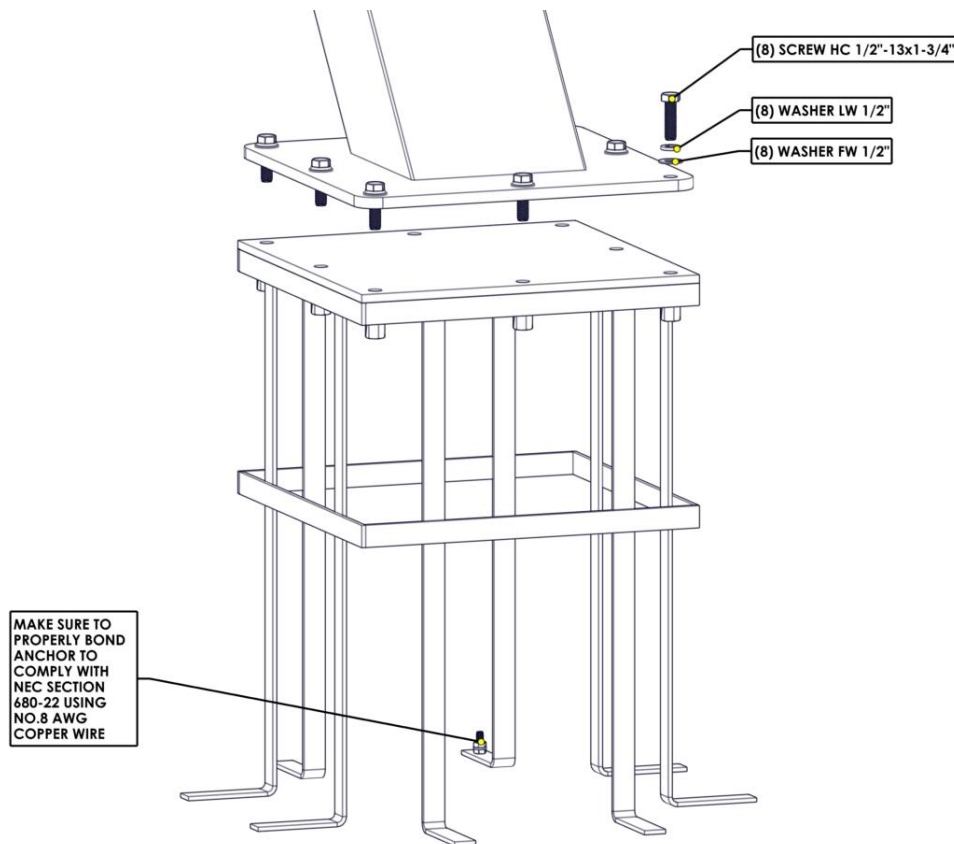


Figure A: Pedestal Anchor and associated hardware

2. Install the ladder treads on the ladder supports (rear or side) using the hardware shown in Figure B. Check ladder tread fasteners daily for tightness.

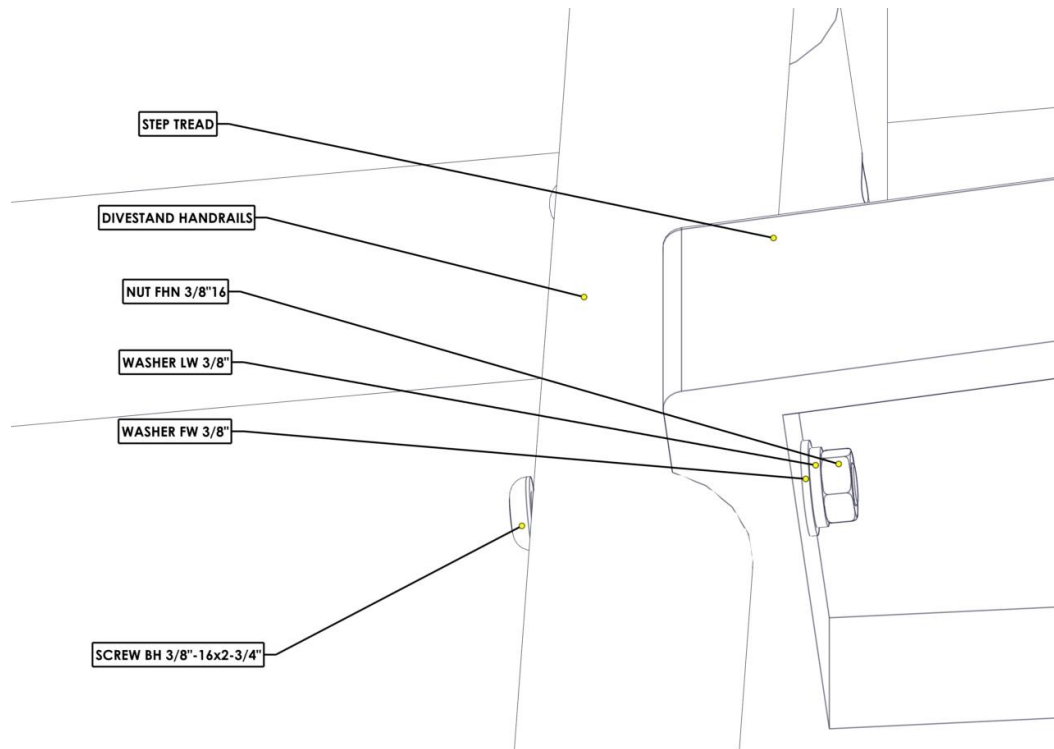


Figure B: Ladder Treads and associated hardware

3. Join all rail weldments together using Split Tees. Use the hardware shown below in Figure C for all Split Tee joints.

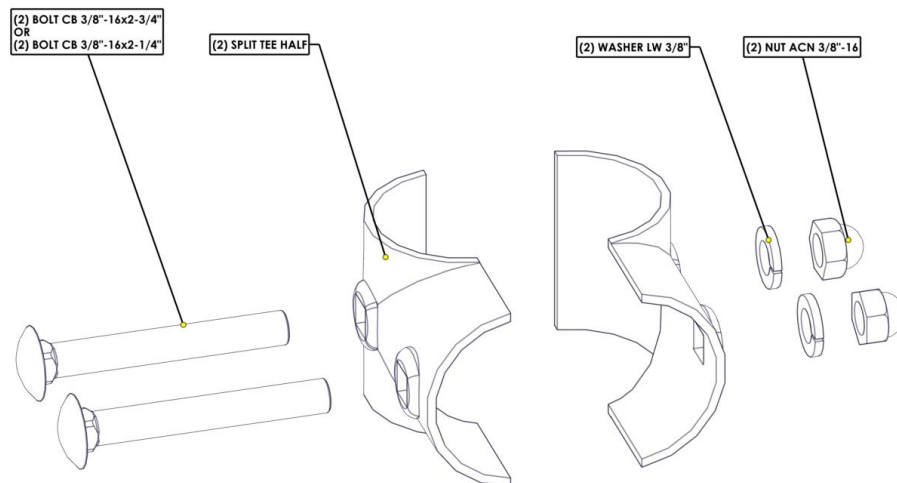


Figure C: Split Tees and associated hardware

4. Insert rear ladder supports into the rear ladder anchor using the hardware shown in Figure D. **1/2"-13x3" bolts must be installed through anchor collar.** Tighten 3/8"-16x3/4" bolts to 20 ft-lbs. Check all hardware daily for tightness. NOTE: If the dive stand has a side entry, install the ladder supports in the two bronze wedge anchors.

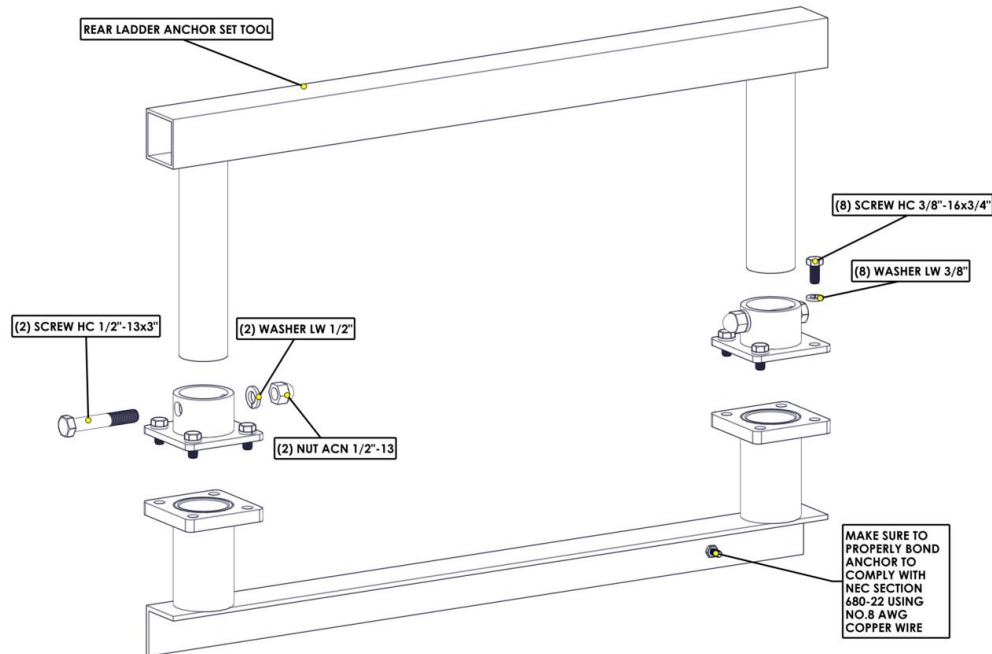


Figure D: Rear Ladder Anchor and associated hardware

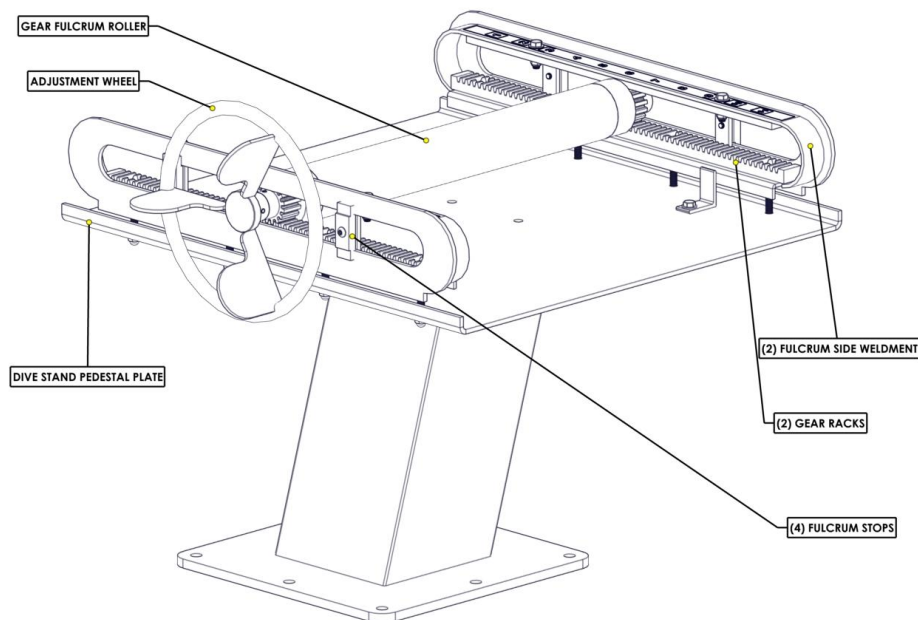


Figure E: Overall Adjustable Fulcrum Assembly Components

5. Position one of the Fulcrum Side Weldment's over part of Handrail Assembly and align with the four mounting holes in the tube and the two mounting holes of the Dive Stand Pedestal Plate. Using the hex bolts & hardware shown in Figure F, fasten the two L-brackets to the pedestal plate. Repeat this process on the opposite side. Check hardware for tightness daily.
6. Fasten the Fulcrum Side Weldment and the Gear Rack to the Dive Stand Pedestal Plate (through the horizontal rail) by first placing the Gear Rack on the lower surface of the Fulcrum Side Weldment and aligning the four holes. Place the button head screws shown in Figure F in the holes of the Gear Rack and drop them through the Side Fulcrum Side Weldment, the Horizontal Rail and the Dive Stand Pedestal Plate. Secure the bolts with remaining hardware shown in Figure F. Tighten bolts. Check hardware for tightness daily.

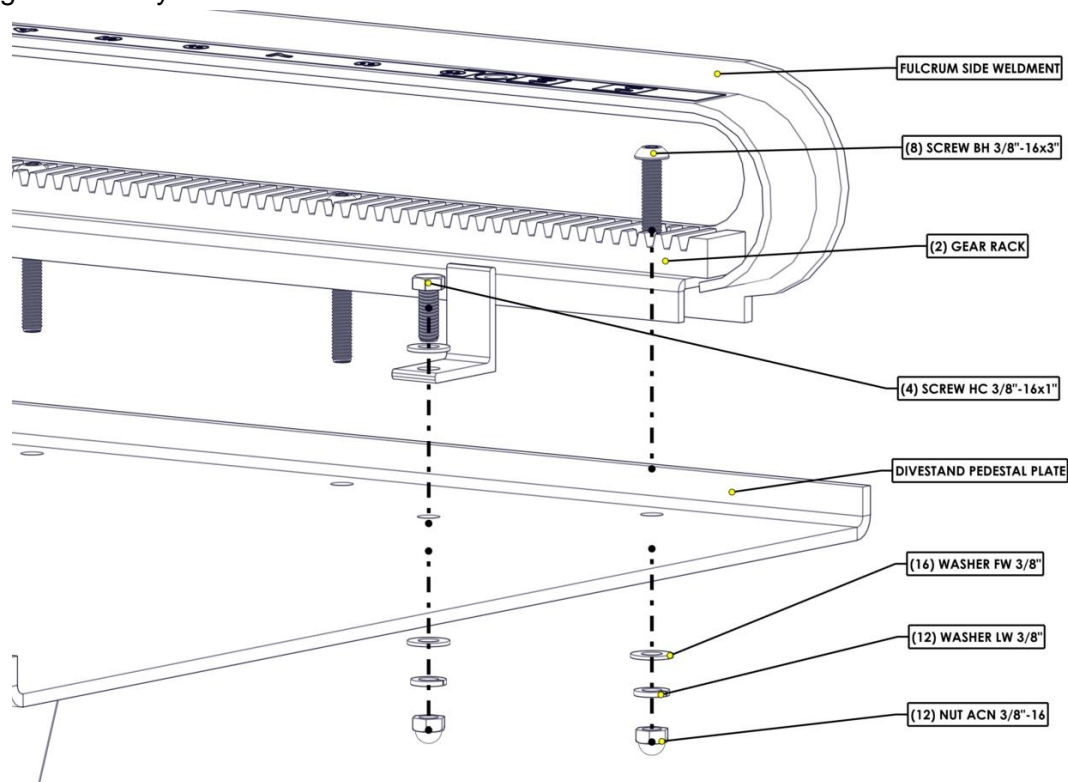


Figure F: Fulcrum Side Weldment & Gear Rack with associated hardware

7. **Fulcrum Stops should be installed on arrival of the product.** It is highly recommended that these stops are not tampered with since Spectrum sets allowable adjustment based on the board that will be utilized with the dive stand. If adjustments are needed, loosen the button head screws in order to move the Fulcrum Stop locations to desired location.
8. Position the Gear Fulcrum Roller diagonally between the two Fulcrum Side Weldments at the middle of the assembly. Rotate the Gear Fulcrum Roller until it is perpendicular to the Fulcrum Side Weldments, and the pinion gears line up with the teeth of the Gear Racks.



9. Slide the Adjustment Wheel on the mating shaft of the Gear Fulcrum Roller, and spin the wheel until the hole in the shaft lines up with the hole in the Adjustment Wheel. Insert the 1/4"x1-1/2" Roll Pin into the hole, and gently tap into position using a hammer (the Roll Pin is fully installed when it is flush with the outside surface of the Adjustment Wheel shaft).
10. For each side, slide a Fulcrum Spacer into the gap between the pinion gear of the Roller & Pinion Gear Assembly and the top inside surface of Fulcrum Side Weldment, and align with the two mounting holes. Fasten the Fulcrum Spacer to the Side Plate Assembly using the hex bolts & fasteners shown in Figure G. tighten the bolts and check regularly for tightness.

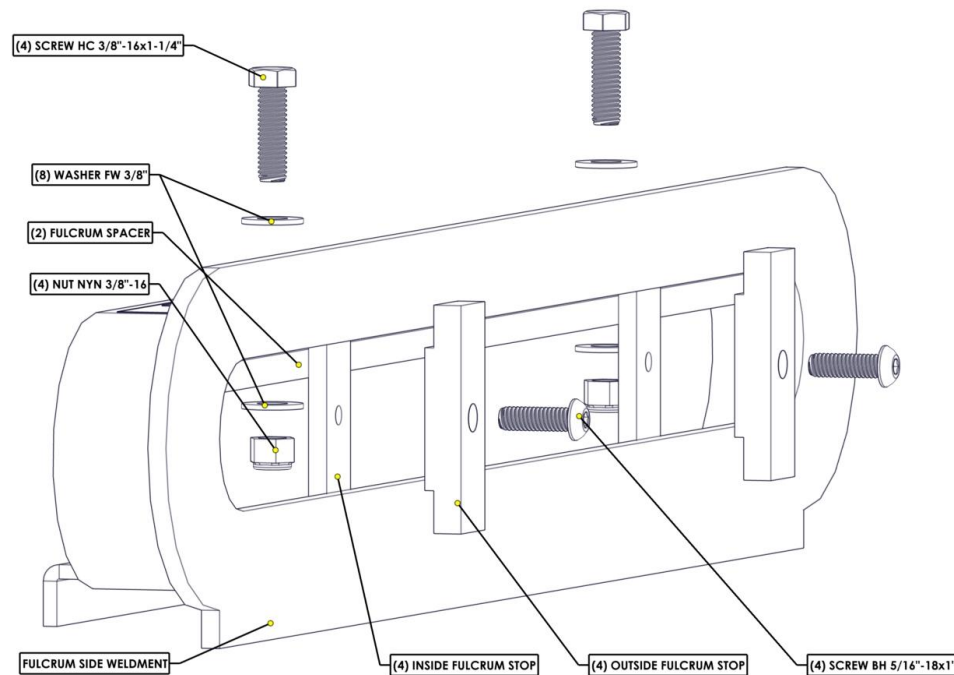


Figure G: Fulcrum Spacers/Stops with associated hardware

11. The rear hinge assembly comes mostly assembled. Unpack the assembly and remove the captivation plates from the end of the hinge pin. Refer to Figure H to determine the orientation of the rear hinge; the plastic blocks should be facing away from the pool. (This is important because it can affect the overhang of the diving board). Slide the hinge pin into position. This should be done from between the side rails so that the actual hinges do not need to be removed. Install the captivation plates from outside the side rails using the hardware shown in Figure H on the following page. Check hardware daily for tightness.
12. Mount the diving board to the dive stand. Follow any recommendations the manufacturer of the board may have and use the corresponding hardware listed for the manufacturer's product in Figure H. Attach the rear of the board to the rear hinge assembly. **Make sure to use the load distribution plate that comes with the rear hinge assembly.** Secure all hardware and check daily for tightness.

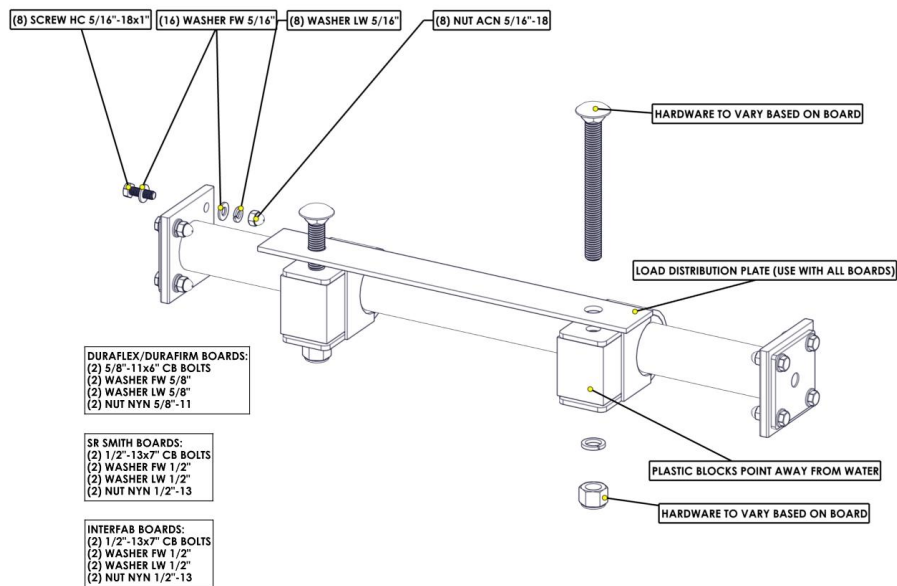


Figure H: Rear Hinge Assembly, Captivation Plates, and associated hardware.

## Proper Product Care & Maintenance

Check the dive stand for any signs of corrosion and test hardware tightness daily. Remove any discoloration or corrosion with a 3M scratch pad (stainless steel components only). Wipe clean with a sponge dampened with Spectra Clean. Repeat these steps several times to passivate the stainless steel. Clean the Cheyenne Dive Stand regularly with non-chlorinated water. It is also recommended that Spectra Shield be applied semi-annually to annually to maintain the pristine condition of your new dive stand. Spectra Clean, Spectra Shield, as well as replacement parts can be purchased through your local distributor as well as Spectrum Aquatics Customer Service at 406-532-6321.

## Note to Installer

This dive stand was manufactured in Accordance with the ANSI/APSP/ICC-5 2011 standard. Some of the articles are listed on the following pages. It is important that this Dive Stand is installed in compliance with these articles and installed on the correct type of pool. If any of the criteria can't be met during installation contact the manufacturer immediately.

For any questions, comments, or concerns, please contact Spectrum Aquatics customer support at:

[800.791.8056](tel:800.791.8056)

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Thank you!