

## Installation Instructions For JR 1250 Lifts

1. Check all parts on the packing lift ensure that you have all the parts listed for assembly.
2. If this is a rotating lift the piling should be cut down to where it is 5" above the dock. This will allow the lift to rotate and provide a place for the cradle to sit down without touching the top of the dock and possibly scarring the wood from the weight of the cradle and Jetski.
3. Lift location must be structurally sound to support the weight of the lift and boat to be picked up. A JR1250 lift must be attached to at least a 6" diameter piling and preferably an 8" piling. The piling should be tied back to a piling on the other side of the dock using a ½" Stainless Steel all thread rod. This will spread the weight of the lift out and prevent the piling from leaning out away from the dock. For sand bottoms ensure that the piling is set at least 8' in the ground.  
**Important...the face of piling away from the dock must be square to the water I both directions.** If it is out of alignment it can allow a jetski on the lift to swing.
4. Attach the mounting brackets to the ride pipe using 4- ½"x1 ¼" bolts/nuts (no lock washers.) On each ride pipe tab there is a small welded nipple on one side. Ensure that the mounting bracket is placed on the opposite side from the nipple. Tighten all 1 ¼" bolts. Using the ½"x 3 ½" bolts/nuts and lock washers, put the top bracket together.
5. Install the ride pipe on the piling. Drop the top bracket over the piling and tighten it leaving the top of the square portion of the ride pipe approximately level with the surface of the dock. Now install the rest of the back piling brackets around the piling. Ensure that the pipe is plumb fore to aft and side to side. Now lock the clamps in place with ½"x 3" Lag bolts. This will help prevent the lift from twisting out of alignment if it gets caught in a large storm. **CAUTION... The ride pipe must extend at least 2 feet below the surface of the water at the lowest expected water level.** The mounting structure must be structurally sound to support the weight of the lift and the intended jetski.
6. If you are **dock mounting the lift:** The Dock Angle (DA) mounts to the top tab on the Ride Pipe using 4 1-1/4" galvanized hex head bolts and nuts (no lockwashers). The DA has to sit on a solid foundation edge of the dock/seawall/bulkhead. The DA has 5 mounting holes for lagging into the understructure. The center hole is for the ¾" galvanized lag and must go into either the top of a piling, top of the waler on the seawall/bulkhead or into a doubled stringer under the dock decking. The other 4 holes on the DA are for the ½" galvanized lags into the decking or seawall/bulkhead cap.
7. Slide the ½"x 3 ½" round rotate sleeve over the round top of the ride pipe letting it slide down and resting against the square tube portion of the ride pipe. Install the cradle by sliding it over the rotate tube and letting it sit on the dock.

8. Lay out the winch components and the rotate tube with the switch mounting plate (1/4"x 4"x8") and cord support bracket (looks like a "Z"). Mount the switch, or the block of wood for the optional remote to the switch mounting plate. The switch mounting plate will mount on the top 2 winch mounting bolts and the cord support bracket will mount on the single lower bolt.



9. Mount the motor, large pulley and belt on the winch unit using supplied hardware, making sure to properly align the motor and winch pulleys. Mount the winch unit on the rotate tube with the stainless steel back plate between the winch and rotate tube, using the 3 - 1/2"x1 1/2" stainless steel bolts, lockwashers, & nuts. The stainless steel back plate will mount with the flange away from the rotate tube. Insert the bolts through the slots inside the winch so the lockwashers and nuts will be installed on the outside.



10. Remove the small bolt and cable clamp from winch drum and discard. Insert cable in hole immediately next to the drum center on the gear side and pull out about 2 ft. Insert cable into the crush sleeve so approximately 1/4" of the cable is extended past the end of the sleeve and hammer flat. CAUTION - - Failure to adequately secure the crush sleeve may allow the cable to pull free from the drum. Pull the cable back through the hole until the crush sleeve is tight against the side of winch drum. Slide the rotate tube/winch assembly onto the ride pipe until it contacts the rotate sleeve. Rotate the assembly several times to ensure even distribution of the grease. Remove the cable sheave (pulley) from the cradle and lay the cable in the bracket with the cable thimble towards the ride pipe, and

reinstall the cable sheave. Using the shackle, connect the cable thimble to the tab on the rotate tube directly under the winch. **CAUTION - - Shackle pins must be securely installed.** Connect the motor to electrical power. Keeping tension on the cable, wind the cable onto the drum, wrapping the cable tightly. The correct direction of wrap is such that the cable will drop from the drum on the side away from the ride pipe. **IMPORTANT - - The cable must wrap in the correct direction or contact with the rotate tube tab will occur.**



11. Measure the width of the watercraft and divide by 2. Measuring out from the guide pipes stubs, mark the center line of the watercraft on the cradle. This will be the centering mark for the bunk boards. For jet skis, mount each bunk 7" from the center line using the bunk board brackets and bolts supplied. Make sure that the bunk boards are resting on a flat part of the jetski and the jetski is not touching the steel at any point and the boat is snug against the guide pipes.



12. When operating the lift, make sure that the cable is wrapping on the outboard side of the drum and is not wrapping over itself until each layer on the drum is completely full.

- Grease the Zerk fittings on the winch unit; they are near the top of the gear, under the motor mount. Rotate the cradle over the water, lower and raise lift several times to make sure it is operating satisfactorily. Grease the Zerk fittings again. The gears must be well greased at all times. On rotating models, raise lift to the point it will clear the dock or seawall and rotate it back and forth several times to check for proper operation.



- cable must be kept tight with no slack. The cradle must never rest on the bottom, this could allow the cable to go slack and over wrap itself causing the cable to fray and creating an unsafe condition when operating the lift. If the cradle is rested on the dock, caution should be taken to ensure no slack is allowed in the cable.
- Install a PVC cap on each of the 2 ft guide pipes. Slide guide pipes over guide stubs on cradle.
- Install the white vinyl motor/gear cover onto the stainless steel backing plate using the two plastic push-clips (on top with point in) and two stainless screws on lower sides. Install the rubber grommet in between the vinyl cover and metal frame.

**WARNING - - Unplug lift and stow cord prior to rotating!**