

### Boat Hoist Operating Instructions

Your new Shore Station Boat Hoist is designed to give years of safe, dependable service. Reading, understanding and following these instructions will insure its dependability and your safety. Should you not understand any of these instructions, please contact your dealer before operating this hoist.

Midwest Industries, Inc.  
Ida Grove, IA 51445

#### RAISING AND LOWERING THE PLATFORM

The lift wheel must always be turned clockwise when raising the platform. Doing so will allow the self-energizing clutch to operate properly thus causing the platform to be held in its raised position as well as give a controlled lowering procedure.

**WILL NOT CAUSE DAMAGE TO EITHER THE HOIST, BOAT OR YOURSELF.**

Once the hoist is installed, check to see that the winch mechanism is functioning properly. This is accomplished by raising the empty platform approximately half way up, then releasing your grip on the hand wheel. The wheel and platform should stay in this position. Perform this same test again the three-quarters and full raised position. You should receive the same results.

If the above test is successful, repeat this same test again with your boat on the platform. The winch mechanism is functioning properly if it holds the load in position when the grip is released. If it don't, contact your local dealer for further assistance.

**NEVER TAMPER WITH THE WINCH MECHANISM!**

**WARNING**

FAILURE TO FOLLOW THESE STEPS WILL RESULT IN UNCONTROLLED SPIN-DOWN, WHICH MAY LEAD TO CABLE FAILURE AND/OR POSSIBLE SERIOUS INJURY.

1. Lift wheel **must be turned clockwise** for lifting.
2. **DO NOT** raise hoist by turning wheel in down/counterclockwise direction.

Note: **DO NOT** work on or play on, around or under unit with boat on hoist.

4850351

**DO NOT** attempt to stop spinning hoist wheel. Serious personal injury may result.

**IMPORTANT: READ OWNER'S MANUAL CAREFULLY BEFORE OPERATING HOIST!**

**DOWN** **UP**

Never raise the platform by turning the operators wheel counterclockwise.

Never flip the ratchet located at the lower left corner of the winch case.

Doing either of the above can cause an uncontrolled down-spin and possible injury to both the operator and the hoist.

#### CHECKING THE WINCH MECHANISM

The following is a test procedure to use on your hoist to make sure the winch mechanism is functioning properly. **SHOULD YOU EXPERIENCE AN UNCONTROLLED DOWN-SPIN AT ANY TIME DURING THIS TEST, DO NOT TRY TO STOP THE HAND WHEEL FROM ROTATING. STAND BACK AND ALLOW THE PLATFORM TO SPIN DOWN FREELY. THIS**

#### SAFETY TIPS FOR OPERATING THIS HOIST

1. This hoist is a piece of heavy equipment and must be treated with respect by all operators.
2. Make sure that all persons operating this hoist understand the proper operating procedure.
3. Never exceed the maximum lifting capacity of this hoist. Doing so may cause mechanical failure and potential injury.
4. Lower the platform and remove any load on it before removing the cover and inspecting the winch mechanism.
5. Never reach through the wheel and manipulate any of the winch mechanism when the platform is raised.
6. Be careful not to get grease on the self-energizing brake

components when greasing the chain inside the winch. Doing so will cause the brake system to malfunction.

7. Do not allow passengers to board your craft while it is raised on your hoist.

8. Never allow anyone to play near or under the hoist.

9. Padlock your hand wheel with the wheel lock provided when it is going to be unattended for any length of time.

10. Remove the drain plug from your boat when leaving it unattended for any period of time when you do not have a canopy. Entrapped water inside the boat from a rain can create an enormous additional load for your hoist which may cause failure.

11. Make sure that your boat is properly positioned on the platform with the motor against the motor stop before raising.

12. The platform should only be lowered enough to allow your boat to be removed from the platform. This will give you more control and also help in centering your boat when returning it to the hoist after use.

13. Check all cables to make sure they are not fraying. If so, replace them immediately.

14. Check all pulleys to make sure they are turning properly and do not show abnormal wear.

15. Make sure the hoist is installed level. Out of level installation may cause platform hang up and possible personal injury.

16. Do not work on or under your boat when it is on the hoist.

## MAINTENANCE TIPS

Your new **ShoreStation** Boat Hoist requires very little maintenance. We do recommend the following items be done to extend its usable, trouble free operation.

1. Grease the drive chain inside the winch case at the start of each season.

2. Apply grease to the winch cable where it winds on the drum. This will extend the life of the cable.

3. At the start of each season lower the platform to its lowest level. Remove the acorn nut and flat washer that holds the large hand wheel to the drive shaft. Un-thread the hand wheel from the shaft by turning it counter- clockwise. Remove. Remove and examine the brake disc pad. If it has a glaze buildup on the surface, rough surface with emery paper or else replace the complete disc. Check for grease. If there is grease on the plate faces that contact the brake disc pad, remove with a solvent. Allow to dry before reinstalling parts. Place a small amount of grease inside the hub of the large hand wheel. Re-thread the hand wheel back onto the drive shaft by turning it clockwise. Replace the acorn nut and washer holding the hand wheel to the shaft. Tighten. Check the operation of the winch as described in the "**Checking the Winch Mechanism**" section before using. If you are not familiar and are unsure with the operation of the winch, contact your certified **Shore Station** dealer for assistance.