

SECTION 5.0

OPERATING

OPERATING - CRANE

Be sure Section 3.0 of this manual has been read and

Fully understood, before proceeding with actual lift.

The key in using the **STO-AWAY** Bumper Crane is to take a few moments to **pre-plan your actions**. Examine the load or the job that you wish to perform with your **STO-AWAY** Bumper Crane. Take note of any potential obstacles or hazards. (Keep in mind the prerequisites that we outline in the General Safety Section of this manual.)

Step 1. Park the truck in a position that gives you the maximum working range and is free from as many obstacles as possible.

Step 2. Position the truck so that the crane is as level as you can possibly get it. **Set your parking brake and block your wheels as necessary.** Maintaining a level bumper crane means that you will have greater control in rotating the load once it's lifted.

Step 3. Unscrew your outrigger leg lock bolt and allow it to swing down. Adjust the height to where there is a minimal amount of distance between the outrigger leg and the ground. A special note: If the outrigger leg is positioned over soft or sandy terrain, we recommend that a 10" square piece of 3/4" plywood (or equal) to be placed underneath the outrigger foot to assure firm positioning.

Step 4. If your **STO-AWAY** Bumper Crane comes with a steel or aluminum locking top, you need to completely open both the large and small hinge covers.



Step 5. Walk over to the top of the mast (this is usually on the driver's side of the truck) and use your right hand to grab the back rib and start pulling up this end of the crane.



As soon as you can, place your left hand underneath the folded crane and instead of continuing to pull the crane up,

We recommend that you walk and

Push the crane to the fully erected position.





Step 6. Take the large mast locking pin, from storage, and start inserting it through the face of the bumper. Gently bring the crane's mast to a right angle from the top of the bumper. **NOTE:** The end of the lock pin is tapered so that once you start applying inward pressure to the pin and at the same time positioning the mast in its upright

NOTE: The crane will actually go slightly past the up and down position with it resting against the passenger side of the bumper. This is not the working position for the crane. It is only a temporary resting point so that if you have to switch hands to insert the mast locking pin, you can do this safely without worrying about the cranes mast falling back into the bumper.

Step 7. Unlatch the lifting hook from its resting point; remove the cotterless safety pin from the boom's support arm



And use both hands to raise the boom to one of its working heights setting.



NOTE: Both the safety yellow and hand guard on the boom's support arm is to indicate the location of a potentially serious pinch point zone. Keep your hands out of this area.

Once you have the desired working height; re-insert the safety cotterless pin completely through the support arm. The function of this safety pin is to assure that the boom stays locked in place should your hook receive a sudden upward movement, i.e.: when you pull a fence post out of the ground and it suddenly

breaks free, **if that safety pin is not completely locked in, the boom will get enough momentum to raise itself from its resting point and slap itself against the mast in an extremely quick and violent action.**

"ALWAYS COMPLETELY INSERT THIS SAFETY PIN AND CHECK TO SEE THAT IT LOCKS THE ARM IN PLACE"

Step 8. Insert your hand control into the socket on the end of the bumper. The plug is polarized and will only go in one way. Now you're ready to operate the **STO-AWAY** Power Crane.

KEEP IN MIND THAT YOU ARE THE KEY TO SAFETY

A LITTLE COMMON SENSE IN USING THE STO-AWAY BUMPER CRANE WILL PREVENT POSSIBLE DAMAGE TO MATERIALS, THE CRANE, OR YOURSELF.

SAFELY LIFTING WITH THE CRANE

(SOURCE - RULE MANUAL)

At this point, you should understand the General Safety and Operating Theory of this manual. Also, you should have done a complete and thorough inspection and found the **STO-AWAY** ready to work. Below are very important guidelines that must be followed:

Safety 1. Wear all protective equipment: i.e.; safety glasses, hard-hat, metatarsal shoes, and leather gloves.

Safety 2. When powering out the cable, always keep it taut.

Safety 3. Always make sure the lifting hook is positively attached to the payloads lifting eye, and cable or sling. **NEVER, NEVER**, hook the tip of your hook into a link of chain. This is the wrong angle for the lifting hook to safely function. If you practice that type of lifting, you will get someone seriously hurt or perhaps killed.

Safety 4. Position yourself so that you are not between the payload and the truck. Keep yourself clear of all pinch points.

Safety 5. **NEVER** lower a payload **below ground** unless your **STO-AWAY** is equipped with a **B.L.G.L. winch**.

Safety 6. **NEVER** stand or lay beneath the payload.

Safety 7. **ALWAYS** lift your payload straight up and down, no side pulls.

Safety 8. **UNDER NO CONDITION** should you wrap the lifting cable around the payload and place the hook back onto the cable. You will run the risk of ripping the hook from the eye of the cable if your load is heavy enough.

Safety 9. **NEVER** allow the cable to come in contact with sharp, or cutting edges.

Safety 10. **ABSOLUTELY NEVER** allow an untrained, inexperienced operator handle the **STO-AWAY** Power Crane.

- Never and I mean Never, hang your payload in the air and then decide to reposition your vehicle or trailer. Performing this task will cause serious damage to your payload and your vehicle. Also, you run the extreme risk of serious injury or possible death to you or any surrounding coworkers. Take your time if you need to reposition your vehicle or trailer, make sure your payload and crane is secured before moving the vehicle. (performing this act officially qualify you as a bonehead)
- Make sure the vehicle or trailer doesn't move. Make sure the vehicle is in Park and set your parking brake. If the truck is a manual transmission, make sure it's in neutral and set the parking brake and block the wheels. It would be wise to take the keys out of the ignition and place them in your pocket. As an added precaution OSHA may require that the truck be locked out / tagged out using a steering wheel cover indicating that the crane is in use.