

SECTION 3.0

SAFETY OPERATING THEORY

GENERAL SAFETY OPERATING THEORY

The following guidelines are for general precautions and must be carefully adhered to when operating the Sto-Away Power crane or its accessory features.

The **STO-AWAY** bumper crane is built to make lifting and transporting your payload much easier and safer and once you the owner/operator understands how it works then using and servicing the **STO-AWAY** bumper crane will be a snap.

The standard **STO-AWAY** Power Bumper Crane, replaces the truck's rear step bumper. Each standard **STO-AWAY** bumper crane may have several added options that allow the **STO-AWAY** to perform different functions.

The main feature of the **STO-AWAY** Power Crane is:

1. A fold away truck crane that is hinged on one side of the bumper and is manually erected from the stored (horizontally) to the upright (vertically) working position and is locked in the working position by manually inserting a large lock pin through both the bumper and the crane.

The crane does its lifting by the means of a hand held controller that operates on a 12V or 24V winch motor and the payload is manually rotated on a set of bearings.

The towing functions on the **STO-AWAY** Power Crane are performed by a choice of two (2) different options.

1. Standard built in 2" receiver (CLASS 3)
2. Optional face plate pintle mount for a bolt on 16,000# pintle hook (CLASS 4)

The **STO-AWAY** can also perform the function of being used as a rear winching system by the choice of two (2) packages.

1. Converting the cranes lifting system
2. Investing in the optional auxiliary rear winching system, which is an independent winching system separate from the cranes lifting drive. The auxiliary winching package possesses the greatest amount of versatility due to its high pulling capacity and reaching distance.

GENERAL OPERATING SAFETY GUIDELINES

***“NO JOB IS SO IMPORTANT THAT IT CAN'T
BE DONE SAFELY”***

“YOU ARE THE KEY TO SAFETY”

By law no one can make you work in an unsafe working environment but

“YOURSELF”

You the operator/owner of this **STO-AWAY** Bumper Crane **MUST** understand how it works and the complete reading of this manual is mandatory.

In all the individual accident cases that I have investigated and studied, the only real cause to these accidents comes down to four (4) basic items:

I: ASSUMED


I: DIDN'T KNOW

I: DIDN'T THINK

You may be thinking that I can't count because that's only three, wrong the first item is **"I"**. Keep in mind that you invested in a **STO-AWAY** to help you lift objects that are awkward, heavy, and may be dangerous.

Just because these objects are now on a hook doesn't change the fact these objects are still heavy and potentially dangerous if you handle them carelessly. Below are a few common sense guidelines that you should always keep in mind:

1. Wear all your personal safety equipment
 - A. Steel toe shoes with metatarsal protection
 - B. Safety glasses with side shields
 - C. Leather palmed work gloves
 - D. Hard hat
2. Perform an inspection of the **STO-AWAY** as you set the unit up
(**READ THE INSPECTION SECTION OF THIS MANUAL**)
3. If you notice any abnormal behavior stop and do a more thorough inspection, write down any description of any strange noises, any uncommon operation, and use a danger "**DO NOT OPERATE**" tag on the hand control, then notify your supervisor
4. Keep all bystanders clear of the work area.
5. Never divert your attention from the **STO-AWAY** Power Crane. Use your ears as well as your eyes. Sometimes you can hear trouble before you can see it.
6. Don't overload the **STO-AWAY** Power Crane. If you don't know the weight of your payload, call your supervisor and if he can't answer you, using a simple calculator and a tape measure, one can easily calculate an estimated weight.
7. If you estimated that the weight of the object you are lifting is near the capacity of the crane, then proceed with great caution. If it looks like the **STO-AWAY** can't lift this object of unknown weight then it's time to get a bigger crane. Because even **STO-AWAY** has its limits.
8. **NEVER** use the bumper crane to drag a load to the truck. **STO-AWAY** was designed to lift loads straight up and down. **NEVER** pull a load sideways, you will void the warranty.
9. **NEVER** subject the **STO-AWAY** bumper crane to shock loads, bouncing loads, or work with it in a jerking fashion. It is very easy to take a crane that has a payload near its maximum capacity and bounce it into the overloaded state.
10. **NEVER** lower a load into a basement, manhole, or ditch unless your **STO-AWAY** is equipped with the **B.L.G.L. (below level ground lifting) winch**
11. **NEVER** use any crane that has a lifting cable with broken strands, kinks, and flattened sections or that has a bent, or non-operating safety latch on the eye hook.
12. **NEVER** use the **STO-AWAY** if the hand control does not operate properly in a clean and crisp action.

				
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