

# GENERAL OPERATING INFORMATION

## TWO BOX TRAILER OPERATION

### 1. Loading Containers

- A. Container and truck or trailer with roll-off frame *must be on level site for precaution against tipping*. Back up to container. Do not jack knife tractor.
- B. Set tractor/truck brakes and leave in neutral. Exit cab and lock the trailer brakes. Enter cab, engage P.T.O. and unlock tractor/truck brakes. Exit cab.
- C. Trailers equipped with air ride suspension, lower air lift axle(s) and dump air bags. Raise hoist frame to maximum, or until frame end barely clears ground, and back up squarely to front rollers of container. If equipped with stinger tail, extend out enough tail so that when tail barely touches ground with about one to two inches left, the tilt frame is at an approximate 45-50 ° angle.

**Note:**

- a. In the case of dead lift containers, it is not necessary to elevate tip frame at this time.
  - b. In the case of conventional containers, it is necessary to lift the tip frame so that the tip is one or two inches from the ground.
- D. Slack off line slightly as required, connect to container tow hook and finish raising tilt frame to completely touch the ground.
  - E. Use 1600-1900 RPM engine speed, and operate slowly to draw container *squarely* up tilt frame.
  - F. Lower frame once container has started well and the *load center of the container has passed the hinge point* of the trailer. **Caution:** Keep container rear rollers on the ground as long as possible while loading.
  - G. Lower hoist frame and draw container forward at the same time. Lower hoist frame completely. Continue to draw container forward until first container is 20" from the end of the tilt frame.
  - H. When picking up the container, the tractor brakes should be released, if possible, to pull the trailer or truck under the container. On trailers, use flipper brake lever next to hydraulic levers on trailer operating panel.
  - I. Dead lift: Draw cable in and lift the container until lower rails start to break over the flanged wheels. Elevate the tip frame to be parallel with the box rails. Continue to move the container up the tip frame rails while adjusting the tip frame action to assure complete engagement of the box rails to the tip frame side. As soon as the container is well over halfway on the tip frame, lower the frame to the

full down position. *Note: At the beginning of this lift, the trailer will move rearward under the container. It is recommended that the trailer brakes be set (control switch on control panel) as soon as the container is off the ground.*

## 2. Pulling the First Container Forward

- A. Temporarily secure the container to the trailer using one of the “D” rings or hold down straps provided. *There is a **danger** that the container may move forward or rearward when the tip frame cable is unhooked.*
- B. Pay out slack in main cable.
- C. Disengage the forward winch clutch. Pull out enough cable so that the container can be hooked. Remove main cable from container hook and secure forward cable to container hook. Engage the clutch, remove the temporary chain from the container and “D” ring. Pull the box all the way forward and engage the front stops. *Note: It is recommended that the rear of the container be secured to the “D” rings or hold down straps provided.*

## 3. Loading the Second Container

- A. Main Cable Reeving System: The main cable must be paid back out so that the hook is in position to pull the second container on board. Return to control station, raise tilt frame and pay out main reeving cable. *Go to step #2 under Main Cable Winch System.*
- B. Main Cable Winch System:
  - 1. The main cable must be paid back out so that the hook is in position to pull the second container on board. Hook the rear winch cable to the main winch cable with a 10’ tether chain (shackle) provided.
  - 2. When the main cable is in position, disconnect the cables from each other. Stow the rear winch cable at the rear of the trailer. You are now ready to pick up the second container.
  - 3. Install the removable stops or pull up the flip up stops at the forward end of the tip frame. Follow the procedure from “Loading Containers”, page 10.
  - 4. Inflate the air suspension. Recheck the security of the container, then release the trailer brakes at the control panel.  
**Note:** *It is necessary to engage the tractor parking brake before releasing the trailer brakes.*

**Caution:** It is recommended that the container be secured to the trailer “D” rings or hold down straps provided.

#### 4. Unloading the Rear Container

1. Position the trailer in the desired unloading area on level ground.
2. Remove container straps from the container, or ratchet binders from "D" rings, and stow.
3. Deflate the air suspension.
4. Set tractor brakes first, exit cab and lock the trailer brakes. Go back to cab and release tractor brakes.
5. Extend stinger, if so equipped, and begin to elevate the container and pay out a foot or so of cable. When the container begins to roll rearward, stop lifting and only pay out. *In the case of a loaded container, it is a good practice to never lift any higher than is necessary to get it off.* When the container is far enough off to where it is approaching the balance point, and the rear of the container is touching, or almost touching, the ground, begin lifting the tip frame again so as to keep the box rails on the tip frame rollers.
6. Alternately lift and pay out cable, and release & engage the trailer brakes until the container is on the ground in the desired position. Disconnect the cable, lower the tip frame and prepare to unload the forward container.

#### 5. Unloading the Forward Container

1. Remove container hold downs from box.
2. Remove container straps from the container, or ratchet binders from "D" rings, and stow.
3. Be sure that the tip frame is all the way down. On stinger models, be sure that the stinger tail is fully out.
4. Fold down the flip up stops at the forward end of the tip (tilt) frame.
5. Pull the tip frame cable all the way forward.
6. Release the rear winch clutch, walk the cable out, and wrap it back forward to attach to the rear of the container. A 10' tether chain is provided if needed.
7. Engage the rear winch clutch and disengage the forward winch clutch. Using the rear winch, pull the container as far to the rear as necessary.
8. Secure the container with a binder to one of the container straps or "D" rings provided. Disconnect the front winch cable, engage the clutch and stow the cable.
9. Connect the main frame cable to the container and pull up any slack.
10. Remove the rear winch cable and stow.
11. Follow the procedure "*Unloading the Rear Container*", steps 1 through

#### 6. Transporting Containers on Two Box Trailers

1. When two containers are on board, the rear container, on model TATBF48, will be extended beyond the rear bumper approximately four (4) feet. It is necessary to flag the unit for an over-hanging load for a fixed tail trailer. This does not apply to trailers with stinger tails.
2. Be sure to air the suspension back up before going on the road.

It is recommended by the manufacturer, and some states, that the container(s) be secured at all 4 corners by a suitable device. We suggest container straps or "D" rings.