



Brother's Equipment, Inc.

Manufacturer of Ace Products

Toll Free: 800-578-8471

Facsimile: (216) 458-0330

sales@theACEadvantage.com

Roll Off Trailer Training

Proper Connection to Trailer

1. Be sure to get out of tractor to inspect trailer prior to connecting
2. Back up Tractor to Trailer
3. Make sure tires of tractor are in line with the tires on trailer
4. Tractor 5th wheel height must be lower than trailer king pin plate
 - a. Adjust tractor air bags or trailer's landing gear to adjust for height
5. Back tractor underneath trailer until you hear or feel the jaws of the 5th wheel lock in place.
6. Pull forward to until you feel resistance from trailer.
 - a. To ensure trailer is securely connected
7. Connect all electrical and air lines are properly attached to trailer from tractor.
 - a. Service (Blue), Emergency (Red), Electrical (7-way plug),
 - b. If trailer is equipped with electric tarping system, connect plug.
8. Raise Landing Gear to proper level
9. Pre-Trip Inspection required by DOT and User company policy.

Hydraulic Connections

- a. Pressure Line – 1" - Closest brass connection to the valve
- b. Return Line – 1 ¼" – Directly to the left of the pressure connection as you are looking at it.
 - i. Sticker below stating that "Return line must be properly connected prior to operation of trailer."
 - ii. **THIS IS THE MOST IMPORTANT CONNECTION. IF NOT PROPERLY CONNECTED, CAN RESULT IN EQUIPMENT MALFUCTION, DAMAGE, AND OR INJURY. FAILURE TO CONNECT RETURN LINE RESULTS IN IMMEDIATE VOID OF WARRANTY OF RELATED COMPONENTS.**
- c. Be sure to test PTO & Pump and Trailers Hydraulic Valve prior to leaving facility to ensure there are not any leaking fittings, hoses, etc.
- d. Next test each function of Ace Roll Off Trailer



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- i. Hoist Up/Down
- ii. Cable In/Out
- iii. Tarp System Tower Raise/Lower
- iv. Tarp In/Out – If Applicable

Valve Controls – Left to Right (* Denotes – If Applicable)

Add Picture or drawing

1. Hoist
 - a. Pull – Raise
 - b. Push- Lower
2. Cable
 - a. Pull – Container On
 - b. Push- Container Off
3. Tarp Tower*
 - a. Pull- Raise Tower
 - b. Push – Lower Tower
4. Tarp *
 - a. Pull- Extend Tarp Over Container
 - b. Push- Retract Tarp

Loading of Container

1. Look up!
2. Make sure there are no powerlines or overhead obstructions near the container
3. Align trailer within 1 to 2 feet from container in reasonable straight alignment with container.
4. Lock trailer or tractor brakes (ONE OR THE OTHER – NOT BOTH)
 - a. If Wireless Remote Control is installed, operator must unlock tractor brakes and lock trailer brakes in the cab.
5. Raise any lift axles before loading
6. Extend stinger tail (If applicable)



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7. Raise lift cylinder, extend lift cylinder till the stinger or end of frame lightly touches the ground.
8. Push Valve Control #2 to extend cable winch to add slack to cable
9. Place cable eye on container load hook.
10. Pull container up onto the tilt frame (make sure container rails are outside tilt frame rails and are tracking straight)
11. Raise container 3 to 5 feet up on tilt frame past suspension trunnion center.
12. Lower tilt frame parallel with container frame.
13. Raise container
 - a. If container starts to lift off the front of the tilt frame, raise tilt frame to keep in line
14. Once rear rollers of container come off the ground, lower the tilt frame.
15. When tilt frame is fully down, finish sliding container up till it hits movable stops,
16. Retract stinger tail (If applicable)
17. Attached winch straps/chains to the frame rails container
 - a. Secure container to conform with state and federal laws
18. Transport
 - a. Lower lift axles if needed/applicable

Unloading/Dumping Container

1. Survey the area to ensure it is safe for operation
2. Drive or back tractor/trailer to position to unload/dump container
3. Release winch straps/chains
 - a. May not be necessary depending on length of container when dumping container
4. Extend stinger tail if applicable
5. Raise trailer frame to allow gravity to bring container towards rear of trailer
6. Extend cable control to allow slow and controlled unloading of container. May be necessary to raise and lower the trailer & container during unloading
 - a. If container is not lowering, tighten cable and raise trailer

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- b. Slack in cable when unloading can result in “dropping” of container and can damage container or trailer.
7. Once container is fully unloaded off trailer, release cable from container hook
8. Attached cable eye to cable hook on trailer
9. Drive forward a few feet to distance trailer from container
10. Lower trailer frame to down position
11. Tighten cable eye on cable hook of trailer
 - a. If loading another container, operator does not need to tighten cable
12. Ensure trailer is in safe condition for travel.