



## DEMOUNTABLE CONCEPTS

• AMERICA'S SWAP BODY •



# Air Line-Haul Trailer Quick Reference Guide

Toll Free: (844) 364-4021

Web: [demount.com](http://demount.com)



1. **Line-haul tractor-trailer** that mounts, demounts, and line-hauls multiple containers at a time to a remote location.



2. **Demountable containers,** standard truck bodies equipped with retractable legs.

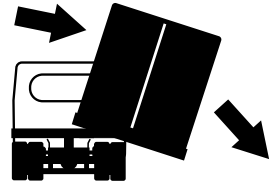


3. **Straight trucks** with a lifting system installed on their chassis for mounting, demounting, and transporting containers.



## WARNING

- Improperly secured containers that fall off a trailer or truck can result in injury or death
- Do not drive the tractor-trailer or straight-truck with containers unlocked
- Drivers are responsible for making sure containers are properly secured to the trailer or truck before each trip
- Report any and all equipment deficiencies or concerns to your supervisor
- All people must be clear of vehicles when mounting and demounting containers
- All legs must be properly set before pulling out from a free standing container
- Never drive on road with trailer in the fully raised or lowered position
- Do not operate equipment without proper training from Demountable Concepts or an authorized training provider



## IMPORTANT

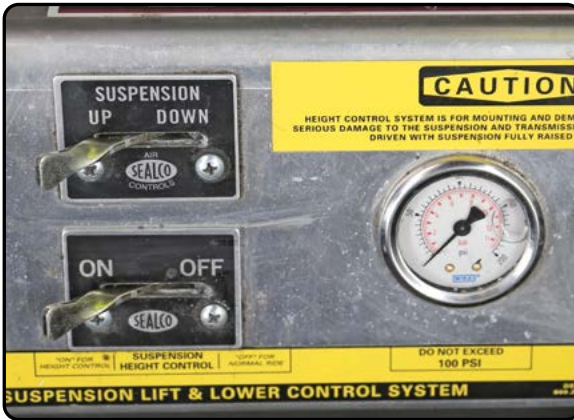
- Read and understand all operating instructions and safety labels on the equipment
- Failure to check that trailer is centered and straight when pulling out is the primary cause of damage
- It is important that any driver who will be operating this equipment be given time to practice these steps hands-on before making an actual run
- As a professional driver you should always have a good tight-fitting pair of work gloves, a flashlight, and a rubber mallet for cold-weather operations

**Training videos available online at [demount.com/support-center](https://demount.com/support-center)**

## Prepare to Demount



1. Set tractor brakes, put truck in neutral, release trailer brakes and increase the engine idle, using the throttle, to keep the air pressure at about 110 lbs.



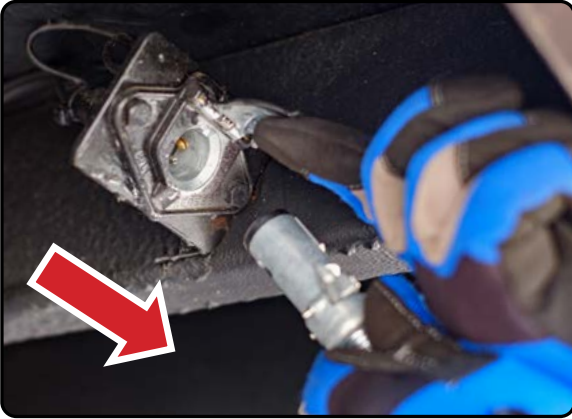
2. Raise tractor air-suspension - If tractor **IS NOT** equipped with a factory-installed smart valve move suspension switch to UP and height control switch to ON.



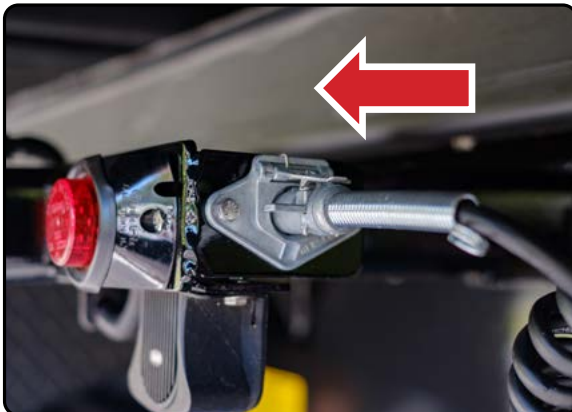
- 2A. Raise tractor air-suspension - If tractor **IS** equipped with a factory-installed smart valve push the "suspension raise" button on the dash in for one second.



3. Leave the cab and double check that tractor suspension is fully raised.



4. Disconnect the light plug from front container.

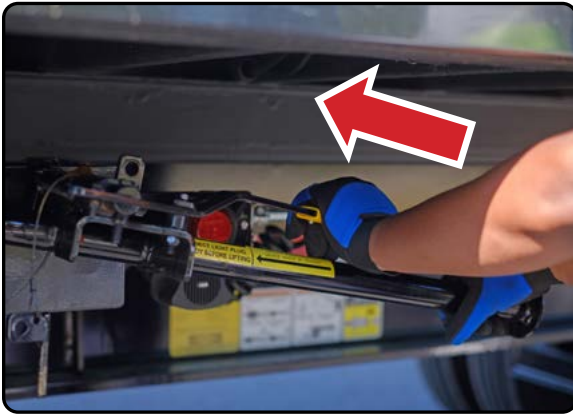


5. Plug light plug into the storage holder in the side of the trailer.

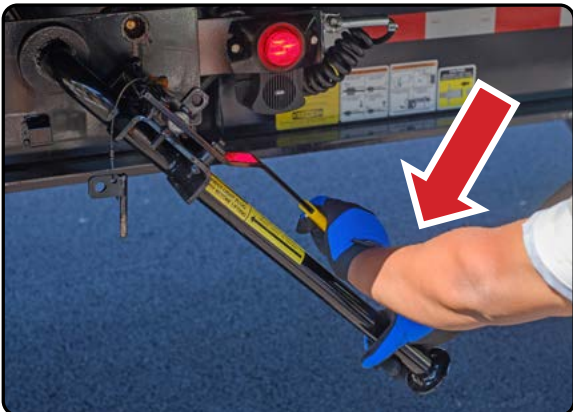
## Unlock Containers from Trailer



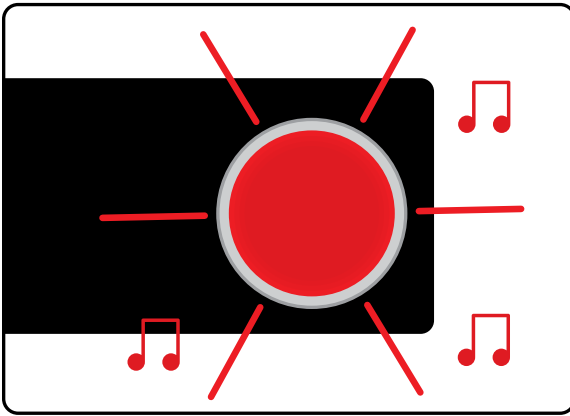
6. At front locking bar under front container, remove locking key.



7. Push yellow safety handle inward to release the locking assembly.



8. Lower the large black locking bar to unlock container.



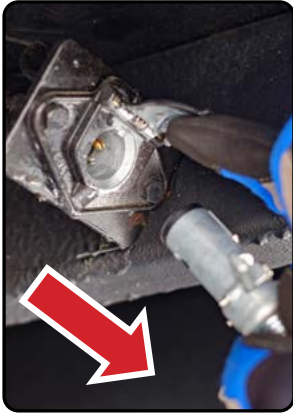
9. The alarm and flashing light will activate.



10. At the trailer's air-suspension control box lower the center stops by pulling the knob out.

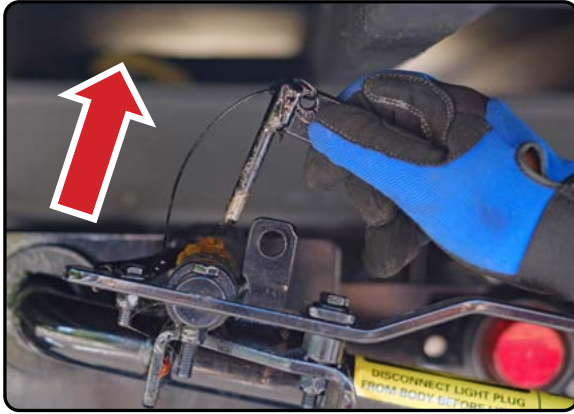


11. Raise the trailer's suspension at the control box. Push the handle in and then rotate and hold it to the right until the suspension is fully raised.

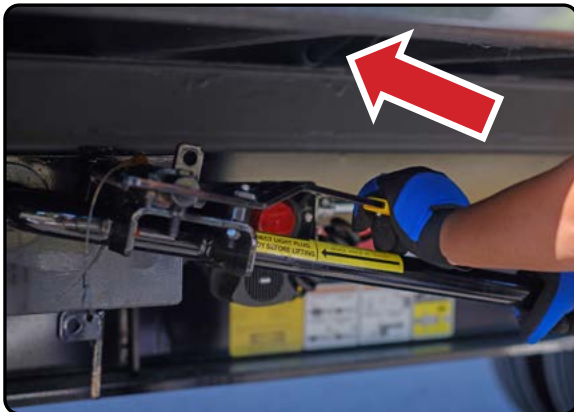


12. Disconnect rear light plug from rear container.

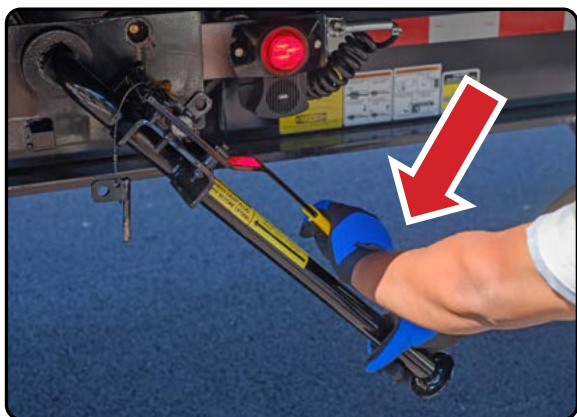
Plug it into the storage holder on the trailer.



13. At rear locking bar under the rear container, remove locking key.



14. Push yellow safety handle inward to release the locking assembly.



15. Lower the large black locking bar to unlock the rear container.

**The alarm and flashing light will activate.**

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## Set All Legs



When working with legs always wear gloves for hand protection and never put fingers into the holes in the legs.



If you are right hand dominate, stand to the side of the leg with your left shoulder facing the container.

If you are left hand dominate, stand to the side of the leg with your right shoulder facing the container.



16. Start with the leg on the passenger side nearest the cab and work around containers to the driver's side. Unlock and remove chained pin from the pin retainer.



**Important, Step 17** - Experience shows that the 4th hole works best for most trailer operations. This may be different for your operation. Remove the small pin, the setting is 0. Count 4 holes and reinsert the pin. When you determine the best pin setting for your equipment have a maintenance person mark all the legs at that position.



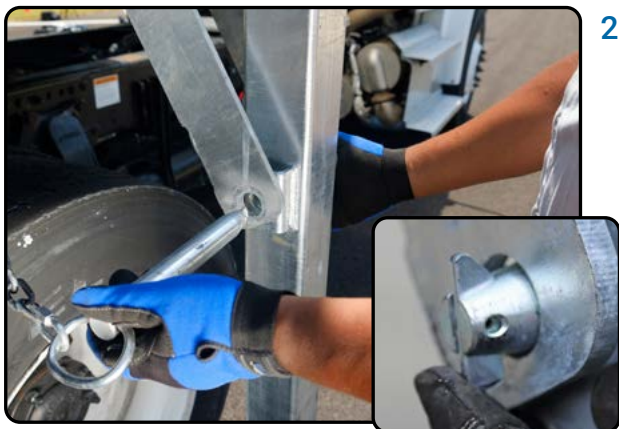
17. Grab footpad ring and pull partially out and adjust the lower leg height. Remove small pin, slide leg out, insert pin into correct hole.



18. Pull leg the rest of the way out and lower to vertical position.



19. Push leg assembly into housing until the brace touches the container side rail.



20. Put chained pin through upper brace and leg and finish by making sure all leg pins are secure and in the locked position (see inset photo).

Repeat steps 1 through 6 for all legs.

## *Pull Trailer Out from Under Containers*



### **Before lowering trailer make sure:**

- ALL PEOPLE ARE CLEAR
- All legs are set, locked, and pinned.
- Light plugs are disconnected.
- Containers are unlocked.
- Center stops are in the fully lowered position.



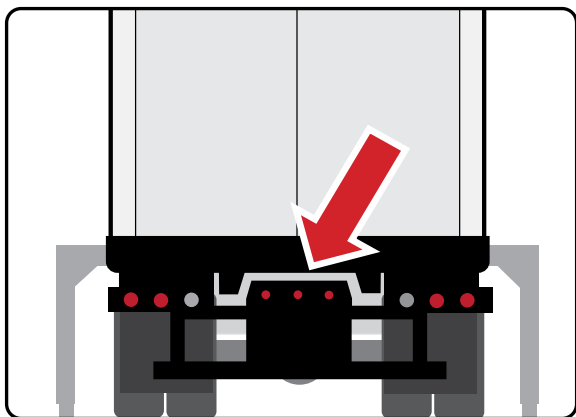
21. Lower the trailer suspension - Go to the trailer suspension control box. Push the handle in and then rotate and hold the handle to the left until the suspension is fully lowered.



22. Lower tractor air-suspension - If tractor **IS NOT** equipped with a factory-installed smart valve move suspension control switch to DOWN.



- 22A. Lower tractor air-suspension - If tractor **IS** equipped with a smart valve:
1. Make sure the valve is set to ride height
  2. Lower the tractor suspension by pushing the air-suspension toggle switch to lower.



23. Walk to the rear of the trailer and make sure there is proper clearance the entire way between the trailer's main rails and the container's long rails.



24. Pull straight out slowly until the entire trailer clears the front container. The alarm will continue to flash and sound until the locking assembly is engaged.



**Before pulling trailer out from under containers make sure:**

- All people are clear.
- There is proper clearance between the trailer's main rails and the container's long rails.
- All legs are set. Not setting all the legs will result in damage, injury, or death due to a falling container.
- The locking hooks are unlocked and in the down position.

## Preparing to Mount

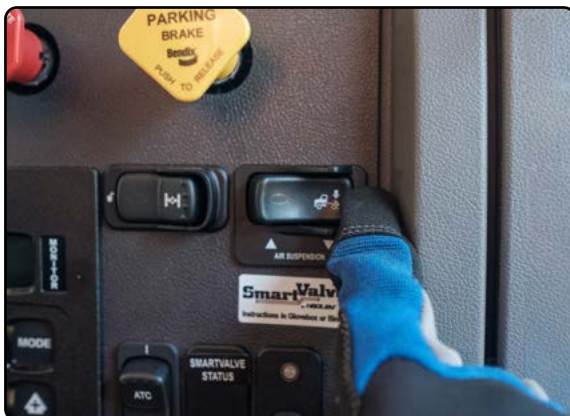


### Before You Back Up Make Sure

- Containers are lined up end-to-end with bumpers touching.
- The locking hooks are in the unlocked and down position.
- All center stops are in the lowered position.
- Tractor and trailer air suspension are completely lowered.



1. Lower tractor air-suspension - If tractor is **NOT** equipped with a factory-installed smart valve move suspension control switch to DOWN.



- 1A. Lower tractor air-suspension - If tractor **IS** equipped with a factory-installed smart valve lower the tractor suspension by pushing the air-suspension toggle switch to "lower".



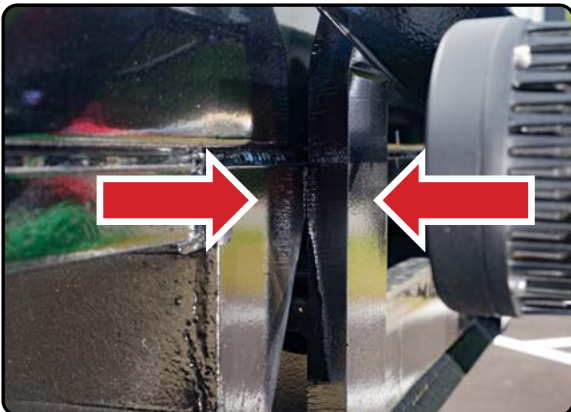
2. Turn on flood lights. The switch is located near the front of the trailer.



3. Start backing up SLOWLY.

G.O.A.L. =  
**Get Out And Look.**

Not getting out to look is the number one cause of damage.



4. Slowly back straight under containers. Reposition trailer as needed. Do not over steer. Front stops must contact container.

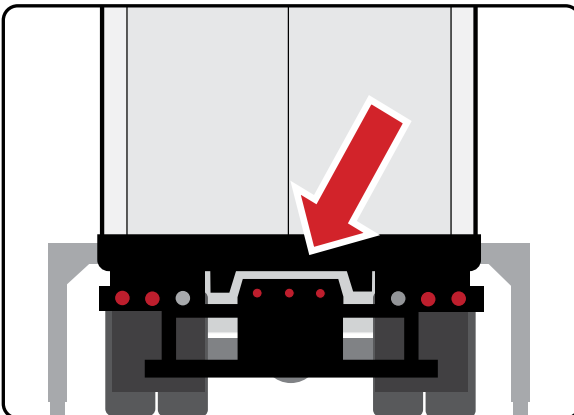
## Raise Suspension



5. Apply the parking brake to the tractor **ONLY** - Leave the trailer brake released.



6. Walk to the suspension control box and raise the center stops by pushing the knob in. Visually inspect all stops are raised.



7. Walk to the rear of the trailer and make sure there is proper clearance the entire way between the trailer's main rails and the container's long rails.



8. Raise the trailer suspension. At the trailer suspension control box, push handle in and then rotate and hold the handle to the right until suspension is raised.



9. Inside the tractor's cab apply the trailer brakes and release the tractor brakes.



10. Raise tractor air-suspension - If tractor **IS NOT** equipped with a factory-installed smart valve move suspension up control switch to UP.



- 10A. Raise tractor air-suspension - If tractor **IS** equipped with a factory-installed smart valve push the “suspension raise” button in for one second.



11. Leave the cab and make sure all the legs are off the ground.

### Lock Containers to Trailer



12. Move to the front container and lift up the locking bar to lock it onto the trailer. The spring loaded safety handle will lock in place.



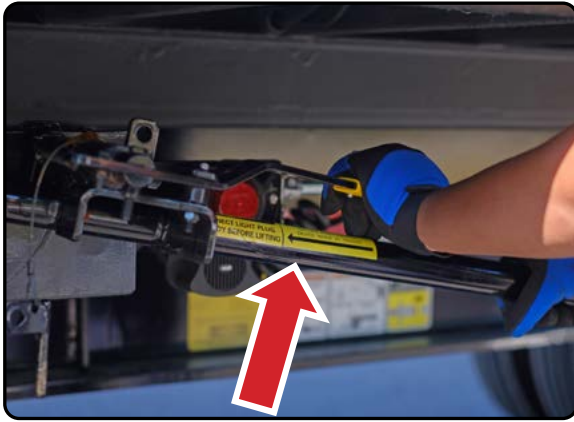
13. Insert the safety key. The alarm and flashing lights will turn off when the containers are properly locked to the trailer.



**WARNING** - A container that is not locked onto the trailer can result in serious injury or death. Visually confirm the front container is locked onto the trailer. The yellow locking hooks must be engaged over the locking bar on the container.



14. Disconnect front light plug from the storage holder on trailer. Plug it into the receptacle on the container.



15. Move to the rear container and lift up the locking bar to lock it onto the trailer. The spring loaded safety handle will lock in place.

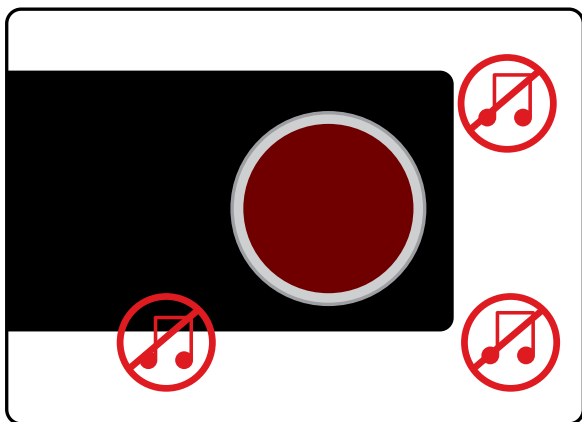


16. Insert the safety key. The alarm and flashing lights will turn off when the containers are properly locked to the trailer.



17. Disconnect rear light plug from the storage holder on trailer.

Plug it into receptacle on the rear of the container.



18. The alarm and flashing light will turn off when containers are properly locked onto the trailer.

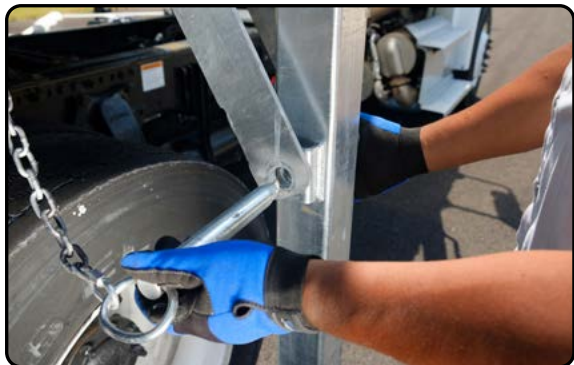


**WARNING** - A container that is not locked onto the trailer can result in serious injury or death. Visually confirm the rear container is locked onto the trailer. The yellow locking hooks must be engaged over the locking bar on the container.



When working with legs always wear gloves for hand protection and never put fingers into the holes in the legs.

### Store All Legs



19. Start with the leg on the passenger side nearest the cab and work around containers to the driver's side. Remove the chained pin at the upper leg stabilizing brace.



20. While holding stabilizer brace in place, lift entire leg to horizontal position and slide partially into the leg housing.



21. Remove lower leg pin, slide in inner leg and insert pin through inner and outer leg at last hole.



22. Make fists and keep fingers clear. Push leg completely into housing.



23. Insert pin through leg retainers on container and loop on foot pad.



24. Flip lock on pin into place. Check to be sure all legs are locked into place.

### Set Tractor-Trailer to Ride Height



25. Lower the trailer suspension at the trailer suspension control box. Then set the trailer to ride height by pulling the handle out.



**WARNING** - Containers that are not locked onto the trailer can result in serious injury or death. Visually confirm that both containers are locked onto the trailer. The yellow locking hooks must be engaged over the locking bars on the containers.



26. Turn off flood lights, the switch is located near the front of the trailer



27. Return to the cab and set the tractor to ride height. If your tractor does NOT have a smart valve move the height control switch to OFF and suspension switch to UP.



28. If your tractor IS equipped with a smart valve set the tractor to ride height by holding the suspension button on the dash down for one second.



Never drive on the road with a tractor or trailer suspension in the fully raised or lowered position. It may result in damage to equipment.

## Add the Following to Your Pre-Trip

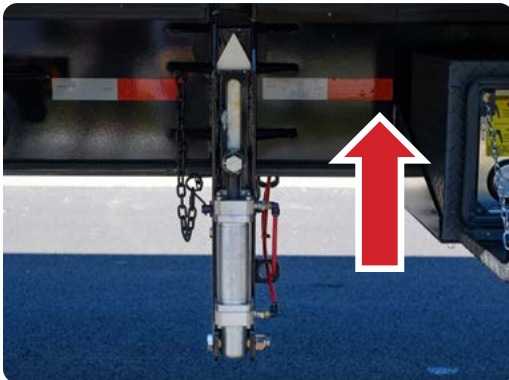


1. Visually confirm containers are properly locked onto the trailer. The yellow hooks on the locking mechanism must be engaged over the locking bar on the containers.



2. Be sure light plugs are inserted into their receptacles and containers have working marker lights.

Note: the red lights on the front container will not be illuminated.



3. Driver- and passenger-side center-stops must be in the raised position.

**Check these items every shift.  
Report any defects on your Daily Vehicle Inspection Report  
and turn into your supervisor**



4. All legs must be properly stowed with leg pins secured.



5. Both the tractor and trailer suspension must be in the ride-height position.



6. Be sure that each driver who will be operating the demountable equipment is given ample time to practice.

**See [demount.com/support-center](https://demount.com/support-center)  
for periodic maintenance details**



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## Watch the Training Video



**Contact Info: US, Canada & Mexico**

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