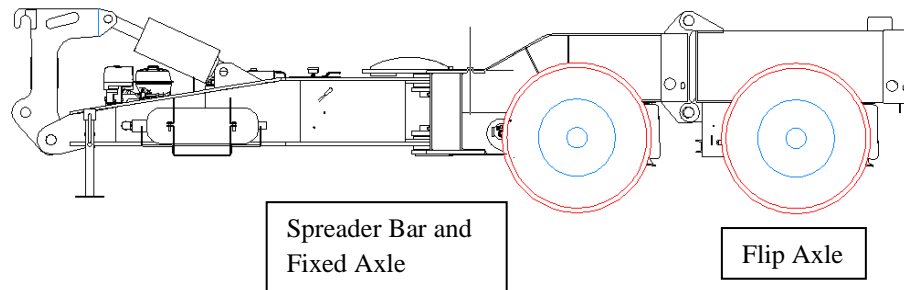




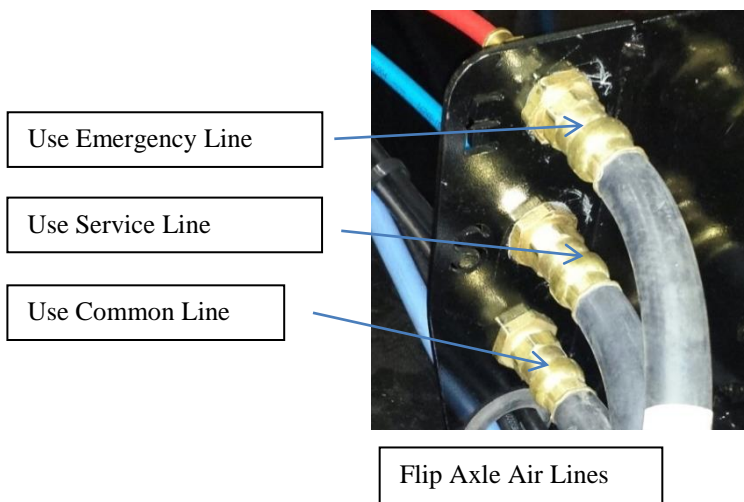
TRAIL-EZE[®]

Connecting Flip Axle To Spreader Bar Axle



Hook-up Procedure: Connecting Flip Axle To Fixed Spreader Bar Axle

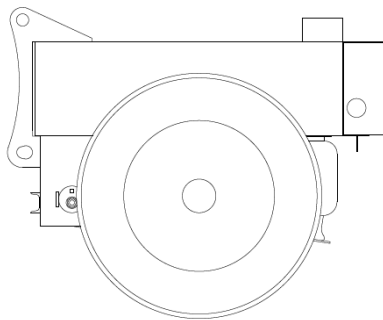
1. Position flip axle at rear of the fixed spreader bar axle in-line with attachment ears.
2. Push flip axle up against fixed spreader bar axle so flip axle & fixed axle attachment ears engage.
3. Insert the bottom lock pins. Insert the top lock pins.
4. Connect air & electrical lines. (Emergency, Service and Common)
5. Test brakes and lights.





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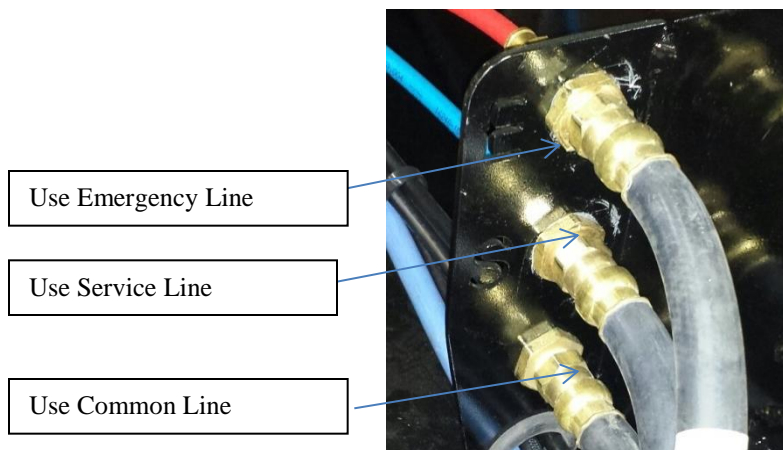
Connecting Flip Axle To Trailer



Flip Axle

Hook-up Procedure: Connecting Flip Axle To Trailer

1. Position flip axle at rear of the trailer in-line with attachment ears.
2. Push flip axle up against trailer so flip axle & trailer attachment ears engage.
3. Insert the bottom lock pins. Insert the top lock pins.
4. Connect air & electrical lines.
5. Test brakes and lights.
6. Turn flip axle air control to "CLOSE COUPLED" if equipped.

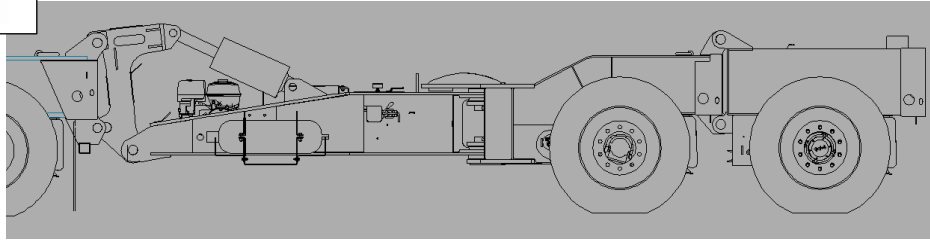


Flip Axle Air Lines





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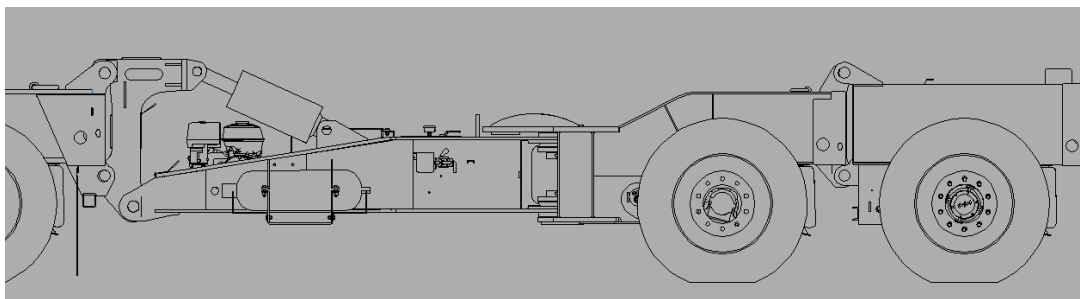


Connecting Booster To Trailer

Booster or Stinger Dolly

Hook-up Procedure: Using Hydraulic Spreader Bar

1. Position booster at rear of the trailer in-line with attachment ears.
2. Raise front of spreader bar approximately 3"- 4" higher than rear of trailer with the landing gear.
3. Start spreader bar engine. Extend hydraulic cylinders to rotate top spreader bar hooks forward.
4. Back up trailer to booster until booster and trailer attachment top ears engage.
5. Lower the front of the spreader bar until the landing gear is no longer touching the ground and the top hooks are engaging the top pins of trailer.
6. Using the spreader bar hydraulics, retract the cylinders until the lower ears of the spreader bar rotate forward and align with the lower ears of the trailer
7. Insert the bottom lock pins on booster.
8. Verify the lock pins on the flip axle are installed and restrained properly.
9. Retract landing gear fully.
10. Connect air & electrical lines to trailer.
11. Test booster brakes & lights.
12. Proceed to loading the stinger axle. **See Hydraulic Singer Operation*



Booster connected to trailer

2 Axle Hydraulic Stinger Operation

Increasing Stinger Axle Load

- 1) Using the load chart, determine the system hydraulic pressure that corresponds with the desired axle load.
- 2) Move master valve handle to open position.
- 3) Start engine
- 4) Move cylinder control lever to load position to begin loading the axle.
- 5) Watch hydraulic pressure gauge. When desired pressure is reached return cylinder control lever to center position. (Do not let handle become locked in the load position with engine running)
- 6) Let system equalize for at least 2 minutes. Re-check hydraulic pressure gauge to verify desired axle load has been achieved.
- 7) Turn off engine.
- 8) Turn Master Valve Handle To Closed Position.
- 9) Move cylinder control lever to load position and lock in the load position using the spring latch before traveling.
- 10) Re-check hydraulic system pressure after 5-10 miles of travel on level ground.
APPLYING HYDRAULIC PRESSURE OVER 2300 PSI WILL OVERLOAD THE STINGER COMPONENTS
- 11) Make sure pivot lock pin is not engaged before traveling.

Reducing Stinger Axle Load

- 1) Using The Load Chart, determine the system hydraulic pressure that corresponds with the desired axle load.
- 2) Move master valve handle to open position.
- 3) Un-Lock cylinder control lever and move to center position.
- 4) Slowly move cylinder control lever to lift position until lower desired pressure is reached.
- 5) Turn master valve handle to closed position.
- 6) Return cylinder control valve handle to the load position and lock in place.
- 7) If pressure is still above desired pressure, repeat steps 2 –5.
DO NOT START ENGINE FOR REDUCING STINGER LOAD

Raising Stinger off Ground-To Back Up

****Note This Must Be Done Before Backing Up****

1. Activate air operated locking pin, making sure it engages to prevent swinging of stinger axle.
2. Move master valve handle to open position.
3. Un-Lock cylinder control lever and move to center position.
4. Slowly Bleed off hydraulic pressure by moving cylinder control lever to the lift position until pressure gauge reads 0 PSI

5. Return handle to center position
6. Start engine.
7. Move cylinder control lever to lift position to raise axle off ground to desired height.
8. Turn engine off.
9. Turn master valve handle to closed position and continue backing up the trailer.

Lowering Stinger To Ground

1. Turn master valve handle to the open position.
2. Move cylinder control lever to the load position to lower to the ground.
3. Be sure that after lowering stinger axle back onto the ground that the air bags do not double over before traveling.

Transporting Stinger Unloaded

- 1) Move master valve handle to open position.
- 2) Start engine
- 3) Move cylinder control lever to load position to begin loading the axle.
- 4) Watch hydraulic pressure gauge. When pressure of 150 PSI is reached return cylinder control lever to center position.
- 5) Let system equalize for 2 minutes. Re-check hydraulic pressure gauge to verify pressure.
- 6) Turn off engine.
- 7) Turn master valve handle to closed position.
- 8) Move Cylinder Control lever to the load position and lock in the load position using the spring latch before traveling.
- 9) Re-check system pressure after 5-10 miles of travel on level ground.

It is recommended to detach stinger and haul on trailer bed-if this is not possible follow above instructions** Do not travel with stinger raised off of the ground

Hydraulic System Maintenance

1. When performing maintenance on any part of the hydraulic system make sure accumulator is fully discharged and pressure reading is 0 PSI.

Un-Loading Trailer

1. Always take pressure off of stinger axle(s) before unloading trailer. **If this is not done, the stinger may lift the trailer axles off ground once the load is removed.**