



ADVANTAGE ARTICULATED TRUCK WATER TANK OPERATING INSTRUCTIONS

These operating instructions are for the operation of the water tank controls and are not intended for the operation of the chassis the tank is mounted on. We would suggest that for the operation of the chassis to read and understand the manufacturers operating instructions.

1. It is always best policy to perform a visual inspection of the tank before you start the truck.
2. Check the hydraulic hoses where they enter the tank or exit in the rear for any sign of leakage.
3. Check around the hydraulic motor in the rear of the tank for hydraulic leaks.
4. Inspect the water pump for water leaks.
5. Also inspect the mounting brackets at the front of the tank and make sure the bolts are tight and the rubber between the mounts are in place.
6. Check the mounting pins at the rear of the tank to make sure they are in place.
7. Check the rubber pads between the bottom of the tank and the frame to make sure they are in place on the frame.
8. Once you have performed your visual inspection it is safe to start the truck.
9. Make sure before you start the truck that the bed hoist control is in the neutral position. On Volvo, Cat, Komatsu, John Deere, Terex this is performed by putting the existing bed hoist lever in the neutral position. On Bell trucks it is controlled by the up button which would be in the off position when the truck is started.
10. Make sure all the switches related to the spray heads and cannon in the cab are in the off position before starting the truck.
11. If the tank has been setting empty it is always advisable to make sure no debris got in the tank. If you are leaving the tank empty for an extended period of time it is advisable to cover the manhole on top of the tank.
12. Before engaging the bed hoist system to engage the water pump make sure there is adequate water in the tank. (Running the water pump without water in the tank can cause overheating and damage to the water system. The hydraulic system is cooled by the hydraulic lines going through the tank.)



13. At idle engage the bed hoist system to engage the water pump when you are ready to spray water.
14. Each spray head on the tank has a separate on/off switch clearly labeled in the cab. You can run one or all spray heads at one time.
15. If you are using the cannon be aware of where it is positioned. When you turn on the cannon it will start spraying in the direction it is pointed. Use the joystick control in the cab to direct the cannon to a safe spray area.
16. Higher engine RPM's create more water flow to the spray heads and the cannon. If you are using all the spray heads for proper water flow higher engine RPM's is required.
17. Continue the use of the spray system until the water in the tank is empty.
18. Once the tank is empty bring the truck engine to an idle and return the bed hoist cylinder to neutral. (running the hydraulic system with the water tank empty can lead to overheating and other damages to the water system)
19. The water tank has two ways to fill with water.
20. There is a 24" square manhole in the top of the tank. You can drive under a hydrant and fill until water comes out the top.
21. There is a 3" ground fill pipe mounted on the back of the tank with an air gap at the top. You can attach a hose to the 3" ground fill pipe and fill until the water exists the top.
22. When operating a truck with a full tank of water be aware that the water movement in the tank can cause the truck to balance differently then with a bed. (all our trucks have baffling systems to minimize the water movement) but caution should be used when driving a truck with a full tank of water at high speeds or on grades that could cause the truck to turn over.

Questions? We're here to help. Call us at 407-403-6770"