



**SPARTAN MOTORS**

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## Procedure for Draining Air System Tanks

### ***Issue: Routine Maintenance***

1. Make sure both air gauges on dash are reading 70 psi or less. If gauges read higher, bleed system down by pumping brake foot valve until gauges read 70 psi or less.
2. Start engine and run at high idle (1200 rpm's or higher) until air dryer purges in the back of the vehicle.
3. Make sure chassis is safely supported before you turn the unit off. Jack stands are preferred.
4. Turn the key to "off" position. Turn key back to "on" so gauges function and note the air pressure on both gauges. **DO NOT RESTART ENGINE.**
5. Locate the chassis air tanks under the front of the unit. The tanks are normally located just behind the front axle.
6. Locate the petcocks or moisture ejectors on the bottom of the air tanks. One tank (normally on the driver side) will have 1 petcock or moisture ejector. The other tank (passenger side) will only have one. The third tank will normally be located below these 2 tanks. Or locate the colored lanyards normally located in the passenger side front wheel well.  
**NOTE:** The wet tank can be located in the driver's side rear wheel well or the passenger side wheel well. Depending on chassis model
7. Drain the air *completely* from the "wet" or supply tank first. If the unit is equipped with moisture ejector cables, this can be done by pulling the Clear or Gray cable.
8. Go into the unit and observe the air gauges. *They should not read zero.* This is to ensure the check valve between the supply tank and the primary tank is functioning properly.

9. Now drain the primary tank *completely*. If the unit is equipped with moisture ejector cables, this can be done by pulling the Green cable.

10. Check the air gauges once again. You should see the rear air gauge is reading zero and the front air gauge is *not reading zero*. This is to ensure the check valve between the primary tank and secondary air tank is functioning properly.

11. If either of the check valves is not functioning properly, please take your unit into the nearest Certified Spartan Service Center and have the valve(s) cleaned or replaced.

12. Now drain the secondary tank *completely*. If the unit is equipped with moisture ejector cables, this can be done by pulling the Red cable.

13. Check the air gauges again. Both front and rear should be reading zero.

14. Make sure all petcocks are closed and start the unit. Run at high idle until the air dryer purges. The air system should now be full and ready for operation. Gauges should read approximately 130 p.s.i.

If you have questions or concerns regarding these procedures, please contact Spartan Motors Customer & Product Support at **1-800-543-4277**, option 1.