
TGS-1600 HYDRAULIC CONNECTIONS

Assembly of the TGS-1600 is usually easier if the unit is already mounted to the dump body of the truck.



Step A:

Remove the plugs from the auger motor ports.

Step B:

Install the two O' ring adapters into the motor ports. Use a light hydraulic oil on the O' rings to lubricate them. Do not use thread sealant.

Step C:

Install a 3/4" hose into the adapter on the left hand side of the motor. Use thread sealant on this connection.

Step D:

Install the 20" hose into the adapter on the right hand side of the motor, also using thread sealant.

Step E:

Connect the opposite end of the 20" hose to the J.I.C. elbow that is already fastened to the quick disconnect mounted on the spreader frame. The other half of the quick disconnect is supplied and should be connected to a 3/4" hose for the pressure line .

Step F:

Connect two 1/2" hoses to the ports on the spinner motor using thread sealant. Be sure to run the hoses inside of the boxed channel. The hose that is connected to the port closest to the front of the truck is the pressure hose.



1. Two separate hydraulic circuits are recommended to operate the auger and spinner. This system should allow individual control of both speed and power to the individual motors.
2. There are numerous methods for connecting the pressure and return hoses to the hydraulic system of the truck. It is recommended that you use hydraulic quick disconnects so that the entire unit can be easily disconnected from the truck during servicing.
3. It is important that all hydraulic lines be supported so that they are neither hanging on their own weight or are rubbing against anything. The lines running to the spinner motor must be checked to insure that they do not keep the spinner assembly from remaining level during the raising of the dump bed.
4. After installing the hoses, open the auger cover and make sure that there is nothing in the trough to interfere with the auger and open the bottom of the trough to be sure there is no material inside. Close the cover and the trough making sure that there will be nothing coming out of the spreader during initial start-up. Also make sure nothing has been left on the spinner and that the spinner itself is securely fastened to the spinner motor.
5. Start the unit and check the hoses and fittings for leaks and that the motors are turning the proper direction.