

J2600 Assembly

1) Remove the sprayer and components from the crate it was shipped in. In the crate you will find the following components to assemble: axle, tire and wheel assembly, stationary duct, movable duct, vertical hydraulic cylinder and bracket, side step, auxiliary ducts and JA nozzles, fan cage cover for disconnect, rear bumper, trailer tongue, tongue jack, tank level indicator, PTO shaft and bracket. In the accessory box you will find the required fasteners to assemble the sprayer.



Accessory Box

1) The picture below shows the parts and fasteners that you will find inside the accessory box. The hardware will be used in the assembly of the sprayer. You will also notice 2 clevis pins and a spanner wrench for your convenience.



Stationary Duct Assembly

1) Install the stationary duct on the top of the fan housing. It is recommended the 4 bolts that attach the stationary duct to the frame be installed first to help align the other 12 holes around the flange of the duct. Please note two of the 4 bolts need to be installed from the inside of the duct opening to the frame. It may be difficult to align the remaining holes and in some instances loosening the bolts that hold the fan housing to the frame may be necessary. The duct flange bolts can usually be threaded into the holes to help with alignment. You will notice one bolt is inserted into the flange from the factory due to the fact the horizontal cylinder is already installed and does not allow this bolt to be removed. The picture below shows the proper positioning of the stationary duct.



Movable Duct

1) Position the upper duct onto the stationary duct with the duct facing towards the rear of the sprayer. Align the two holes in the duct with the bushing holes in the stationary duct and insert the bushings supplied into the pivot holes. The bushing must seat properly into the recess in the stationary duct holes or the duct will not move up and down freely. Next install the two bolts through the bushings while making sure the bushings stay aligned and then tighten the bolts.



Hydraulic Cylinder Assembly

1) Install the vertical hydraulic cylinder to the movable duct by first installing the pin that attaches it to the stationary duct. Next install the two brackets with the pins on the cylinder inserted into the holes on the brackets. Pay close attention to the positioning of the two brackets as shown below and install the three mounting bolts. Be careful not to over tighten these bolts or damage to the duct may occur. Install the paired hydraulic hoses to both the horizontal and the vertical cylinders.

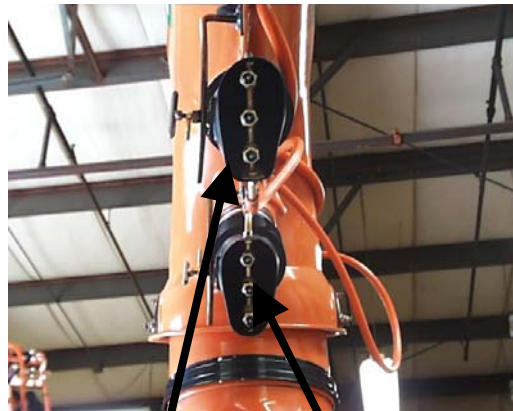


Auxiliary Duct Assembly

1) Install the two auxiliary ducts onto the movable duct with clamps as shown below. Next install the hoses that connect to the main duct nozzle and auxiliary duct nozzles and tighten the hose clamps. Route the two supply hoses through the hose retainer clips on the duct and tighten. The 6 JA nozzles and swirl cores need to be installed on the auxiliary duct nozzle branches by removing the nozzle caps and removing the protective disc and inserting the nozzle filter, nozzle and swirl core.



Retainer Clips



Auxiliary Duct
Nozzle Branches

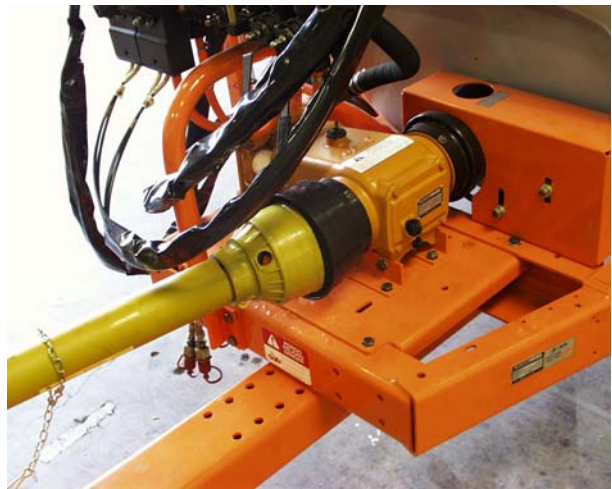
Axle and Bumper Assembly

- 1) Put the trailer on jack stands to allow for the assembly of the axle assembly. Slide the axle under the trailer and position it under the mounting holes. Using a floor jack under the axle raise it into place and install and tighten the 4 bolts that mount the axle to the frame. Next install the tire and wheel assemblies onto the hubs of the axle and properly tighten the lug nuts.
- 2) Using the 4 bolts supplied install the rear bumper to the chassis as shown below.



Trailer Tongue and PTO Shaft Assembly

- 1) Install the trailer tongue onto the chassis. It will make assembly easier if a floor jack is used to hold the tongue in place. The bolts that are used for the trailer tongue have a metal strip connecting the bolts together. Install the bolts from the top of the chassis into the mounting holes through the holes in the tongue and place the metal plates onto bolts then tighten the nuts. Note the tongue length is adjustable to various lengths depending on which holes you use on the tongue when mounting. Install the trailer tongue jack onto the tongue using the pin located on the jack. Next install the PTO shaft bracket to the stud on the front of tongue. Note this bracket is for the PTO shaft to rest in when the sprayer is not in use.
- 2) Install the PTO shaft onto the drive shaft by first sliding the black PTO collar onto the end of the PTO shaft implement end and then aligning the key way and sliding PTO shaft onto drive shaft. Install PTO shaft retaining bolt through the hole in the PTO shaft. Next using the 3 bolts install the collar onto the flange on the piston pump.

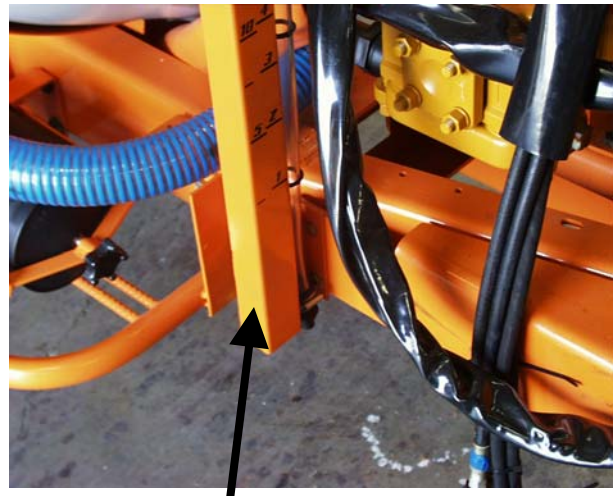


Side Step and Tank Level Indicator

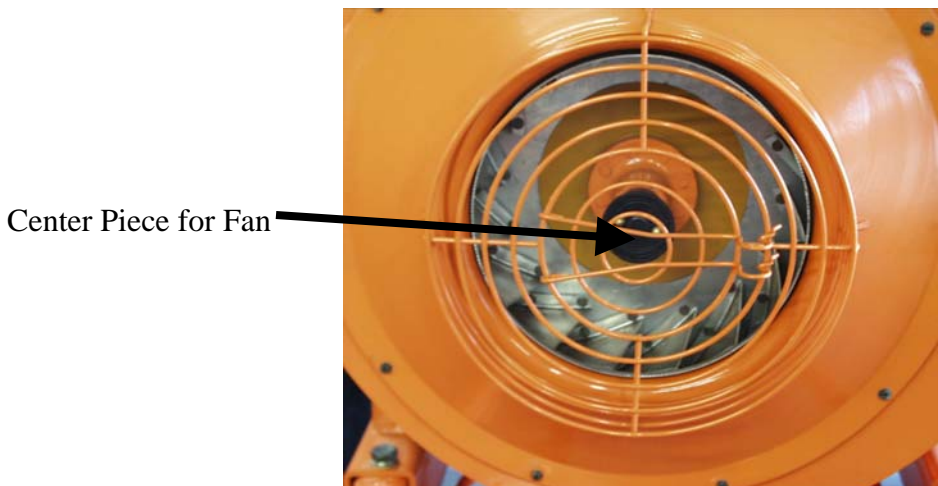
- 1) Install the side step to left side of chassis with the two bolts supplied as shown below.
- 2) Install the tank level indicator on right front portion of chassis, as shown below, with two bolts supplied and attach hose from bottom of tank to fitting on bottom of indicator simply by pushing into place. Note make sure orange ball float is in indicator tube before installing hose.
- 3) Install center piece for the fan cage for the fan disconnect as shown below and crimp the ends onto the fan cage to keep the center piece from coming loose.



Side Step



Tank Level Indicator



Center Piece for Fan

03/23/05

J2600 Assembly – DRAFT

Prepared for Jacto
Service Seminar 3/2005
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Final Assembly and Setup Tips

- 1) Attach the outlet hose to the piston pump and tighten fitting. Perform final inspection of hose clamps, fittings and fasteners to make sure they are tightened properly. Also check oil level in gearbox.

- 2) Attach sprayer to the tractor's drawbar. DO NOT attach PTO shaft to tractor's PTO drive until the PTO shaft has been cut to the proper length. To determine the proper length required for the tractor being used the operator needs to find the shortest distance from the sprayers drive shaft to the tractor's PTO drive that may occur during maneuvering or operation. Usually the shortest distance obtained would be on a sharp turn. The PTO shaft should have 2 inches of free play at this point. Measure the PTO shaft and cut both ends equally to achieve the free play indicated above.

- 3) Make sure fan disconnect is engaged before spraying. NEVER attempt to engage or disengage the fan disconnect when the fan is turning.

- 4) Add water to tank and bleed air from system by loosening the wing nut on the end of the filter until water flows (usually about 2 seconds). Tighten the filter wing nut and ensure the filter shut-off valve is in the open position (pin in out position)

- 5) Engage PTO shaft with tractor's RPM at low speed and then raise RPM until you reach 540 RPM at PTO.