

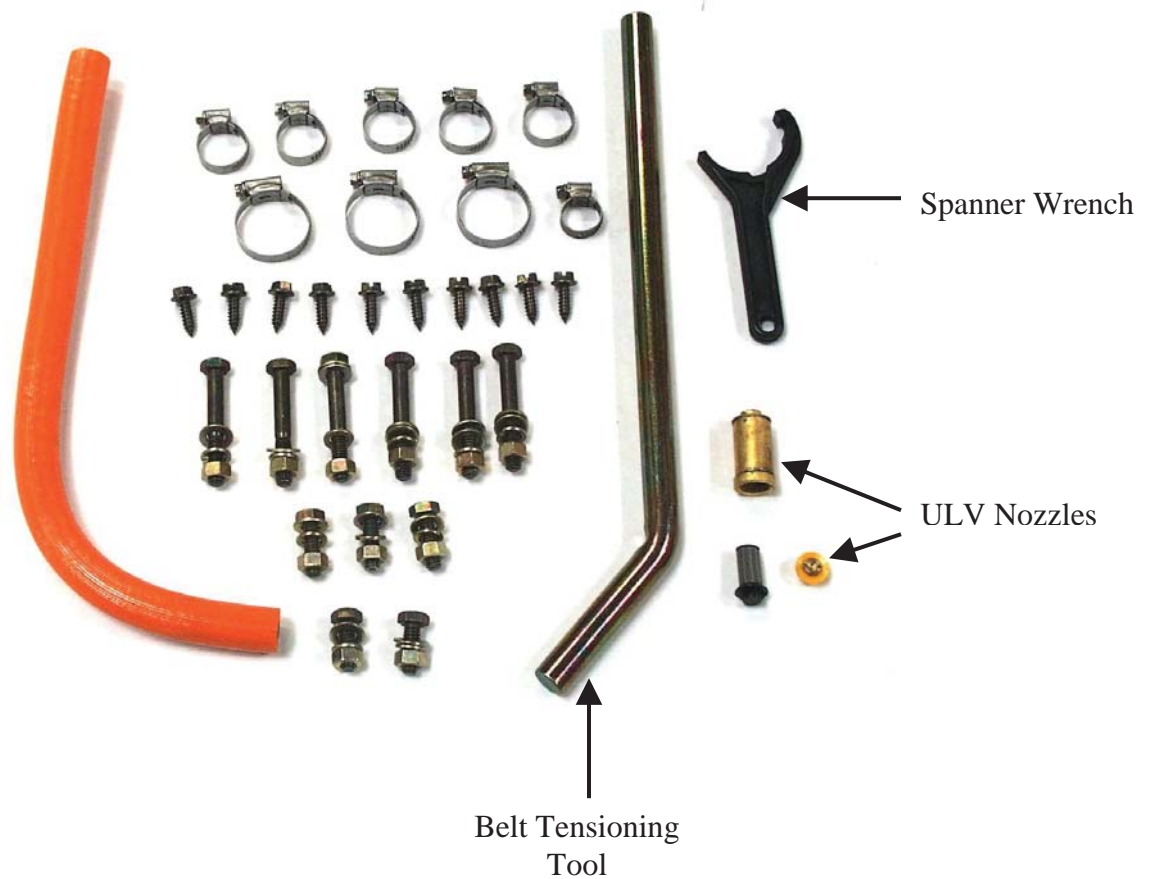
AJ401 Assembly Instructions

1) Remove sprayer and components from the crate it was shipped in. The picture below shows the components that will need to be assembled to the sprayer. The components shown below consist of the accessory box, movable duct, directional handle, control valve, in line filters with hoses attached, fan cage, and clean water tank.



Accessory Box

1) The picture below shows the parts that you will find inside the accessory box. The hardware will be used in the assembly of the sprayer. You will also find the following accessories in the box consisting of the special tool to adjust belt tension, spanner wrench to tighten hose fittings, and the ultra low nozzles for both the main duct and auxiliary duct.



Movable Duct Assembly

1) Install the directional handle to the movable duct before installing movable duct assembly to the fan housing outlet, since the three bolts that attach the handle to the duct are tightened from inside the duct. Also route the two supply hoses through the holes in the stationary duct. Note that the holes are two different diameters so make sure you route the appropriate hose through the hole. Next place the movable duct onto the fan housing outlet with the rotation bail facing towards the tractor as shown below. Please note it is easier to install the bolts into the duct flange if the rotation bail is pushed down allowing the flange to lay flat onto the fan housing outlet. Install the bolts to the duct flange and fan housing. Note: Two of the bolts are supplied with only one flat washer. These bolts are for installing the in line filters. Attach the suction filters as shown below.



Directional Handle



Rotation Bail



In Line Filters

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Control Valve and Hoses

1) Install the control valve to mounting bracket on the sprayer's chassis with the two bolts supplied as shown below. Next install the blue hoses to the control valve attaching the two return hoses to the fittings on the back and the inlet hose, from the pump, to the bottom fitting with hose clamps. By applying liquid dish soap to the inside of the hoses and the fittings will help make this assembly easier. Attach the small piece of orange hose found in the accessory box to the hose reducer located on the end of the smaller hose coming out of the fan housing and then attach this to the suction filter. This is the supply line for the auxiliary duct. Next install the two orange supply lines to the control valve. Note the center fitting on the control valve is for the main duct nozzle.



Return Hoses

Inlet Hose



Control Valve

Fan Cage Assembly and Clean Water Tank

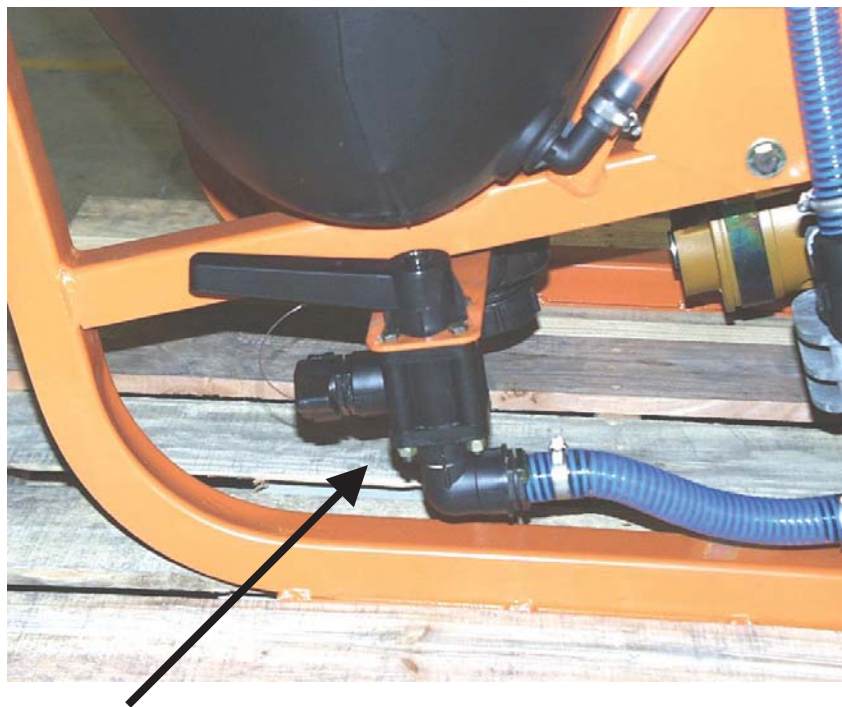
- 1) Install the fan cage onto the fan housing using the 10 sheet metal screws supplied.
- 2) Install the clean water tank into the bracket on the side of the sprayer as shown below.



Fan Cage

Final Assembly and Inspection

- 1) Perform final inspection of hose clamps, fittings and fasteners to make sure they are tightened properly.
- 2) Attach sprayer to the tractor's three point hitch. 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 must lift the sprayer until the shortest distance between the sprayer drive shaft and the tractor's PTO drive shaft is obtained. The PTO shaft should have 1 ¼ inch of free play at this point. Measure the PTO shaft and cut both ends equally to achieve the free play indicated above.
- 3) Prime the pump by removing the cap on the three way valve and turning the valve handle to allow water to flow for 1 second to bleed out any air. See picture below. Return the valve handle back to the operating position. Note the position of the handle in the picture below shows the valve in the operating position.
- 4) Engage PTO shaft with tractor RPM at low speed and then raise RPM until you reach 540 RPM at PTO.



Three way valve