

Instruction Sheet

General Safety Information

⚠ DANGER *Danger indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.*

1. Unplug the unit from electrical outlet. Drain any compressed air from the tank.

⚠ DANGER *Failure to unplug the unit or failure to drain compressed air from the tank will cause serious injury.*

2. Remove shroud cover. To do this, remove the quick-connect coupler located by the pressure regulator. Then remove the two screws at both ends of the shroud and switch the on/off lever to the ON position.
3. Loosen the compression nuts on the exhaust tube.
4. Remove the screw that holds the front end bell/pump bracket of the pump/motor assembly to the tank base. Reserve the washers for later use.
5. Remove the motor strap mounting screw, then remove the motor strap that holds the motor to the base plate.
6. Remove the exhaust tube. Disconnect unloader tube from the push-type fitting in the check valve. Remove check valve. If there are any foreign objects stuck in the valve, note what they are in the warranty documentation.
7. Remove the screw that connects the piston assembly to the large drive pulley.

IF INSTALLING A NEW BELT, PROCEED TO STEP 8; OTHERWISE PROCEED TO STEP 17.

8. Remove the two pump motor wires from the pressure switch and cut off the wire tie that holds the fuse holder to the line cord.
9. Remove pump/motor by sliding it slightly away from the pressure switch.
10. Place pump/motor in a vise. NOTE: You may have to remove the black fan cover in order to clamp the motor in the vise.
11. Remove the small white fan by pulling firmly around its hub. Gently move the piston out of the way, taking care not to damage the piston ring.
12. Wrap the new belt around the small drive pulley. Using the window in the large pulley, clamp the belt to the pulley with vise grips. (Use just enough clamping force to hold the belt in place; too much force will damage the rubber.)
13. Roll the belt up onto the large pulley. This may require some rolling back and forth to work the belt properly into the grooves of the small pulley.
14. Gently move piston assembly back into place, taking care not to damage the piston ring. Attach the new fan (WL008400AV) by firmly pushing it onto the motor shaft. Make sure that the metal ring is facing away from the motor.
15. Replace the pump motor assembly. Be sure there is a metal washer and rubber grommet on the post of the front-end bell. Place post on the side of the front-end bell in keyway slot of

the base plate. Then slide pump/motor towards the pressure switch.

16. Connect motor wires to pressure switch. Wire-tie the fuse holder to the line cord
17. Place Loctite® 243 around the threads of the new piston screw. Reattach the piston assembly to the large pulley. Torque the screw to 360 in-lbs. Ensure that the pump spins freely with no rubbing on the sides of the belt.
18. Install new check valve (CV221506AJ). Be sure there is a metal screen in the check valve where the exhaust tube goes. Connect unloader tube to check valve by pressing the end of the tube firmly into the push-type fitting. Make sure the unloader tube is not kinked.
19. Place mounting strap on motor, but do not fasten.
20. Assemble exhaust tube with compression nuts and thicker rubber ferrules (ST085100AV). Insert exhaust tube in the fittings and start the nuts on the fittings.
21. Insert the pump bracket/front end bell screw with silver washer between base and pump/motor. Place small washer (from step 4) under head of screw (ST120200AV). Torque the screw to 140 in-lbs.
22. Insert motor strap mounting screw. Torque to 120 in-lbs.
23. Reassemble shroud cover, screws and coupler.