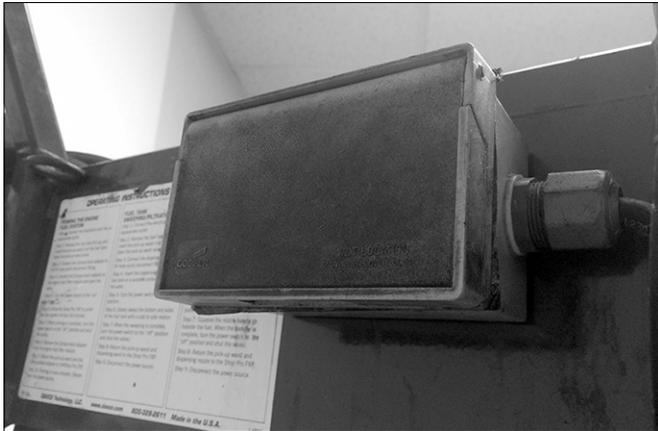


1. Make sure the Shop Pro FXP is disconnected from the 120VAC power source.



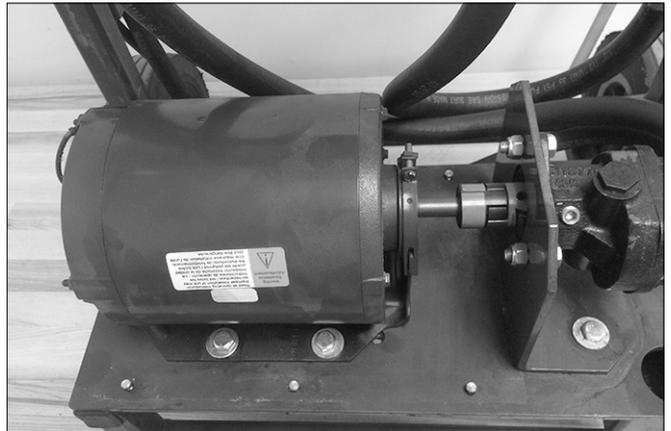
2. Remove the vent cap and drain the filtration unit completely then close the drain valve. Leave the cap off until instructed to replace it.



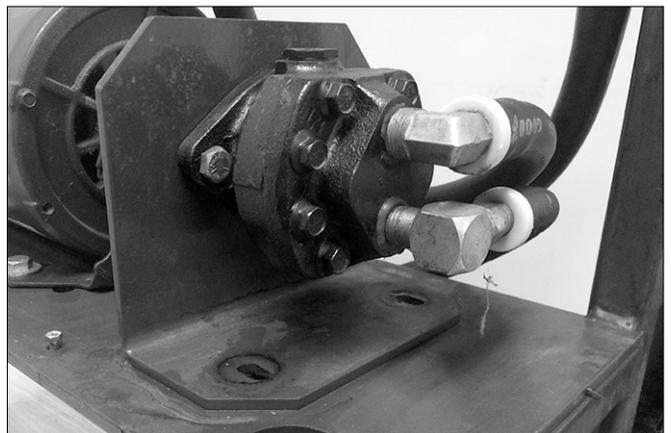
3. Replace the drain hose in the clip.



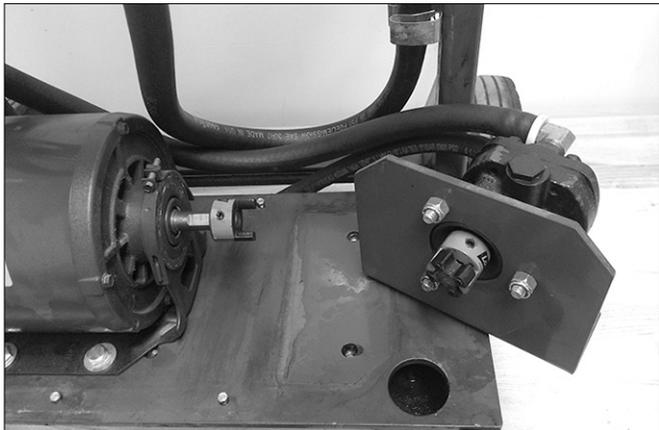
4. Loosen the five 1/4" headed bolts slightly until the motor cover slides to the left and remove the cover.



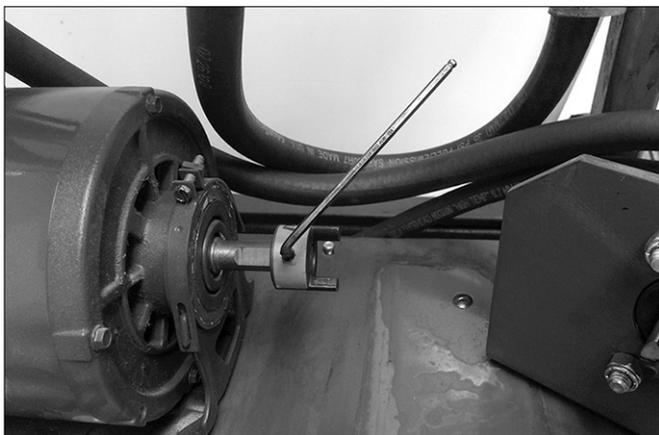
5. Remove the two 1/2" headed pump bracket bolts/washers and discard.



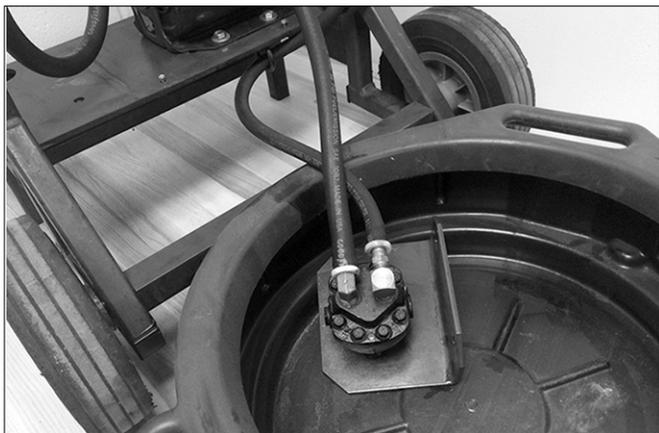
6. Slide the pump and bracket to the right as shown.



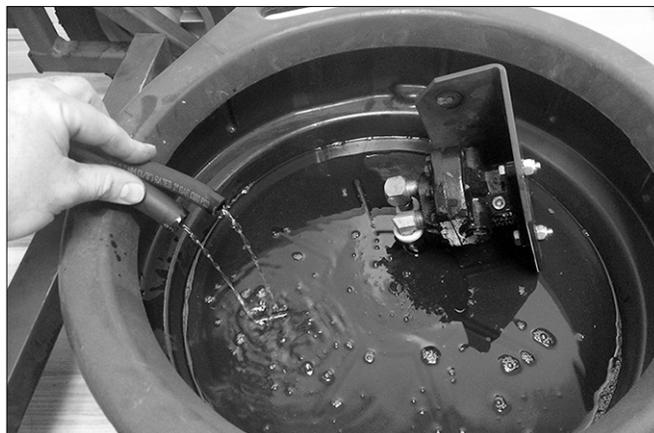
7. Remove the Lovejoy couple from the motor and discard.



8. Place the pump and bracket into a drain pan as shown.



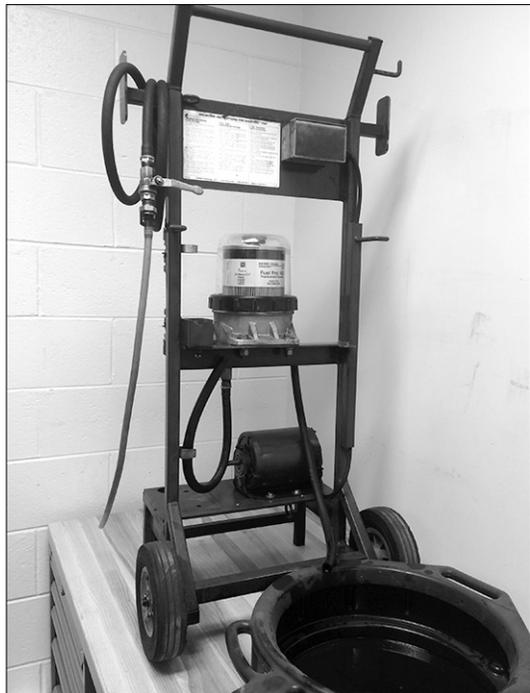
9. Cut the hoses as close to the fittings as possible and drain the fuel from the hoses.



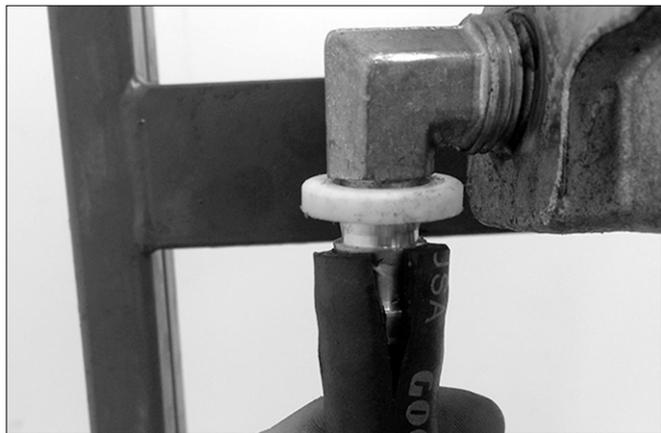
10. Pull the discharge (pressure) hose back through the eyelets as shown.



11. Remove the discharge (pressure) hose from the Shop Pro and set it aside for later use.



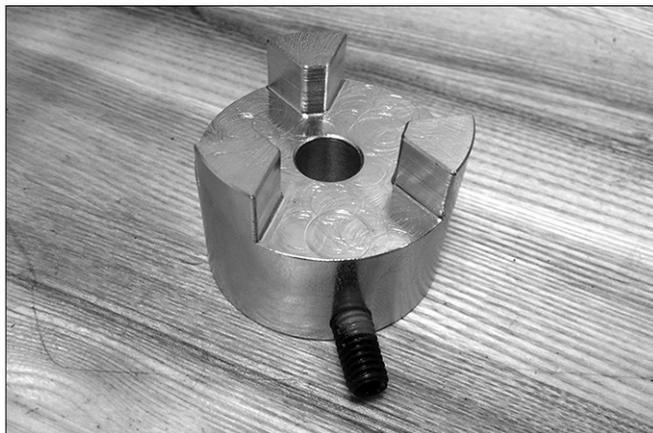
12. Remove the hose from outlet of filtration unit by carefully slitting the rubber. Discard the hose.



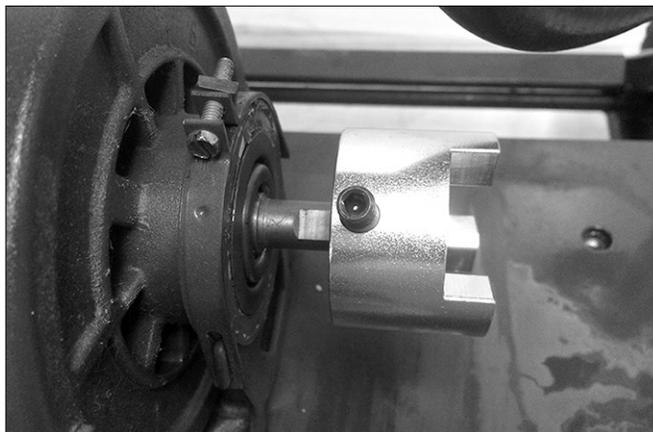
13. Place a rag on motor to catch residual fuel from filtration unit.



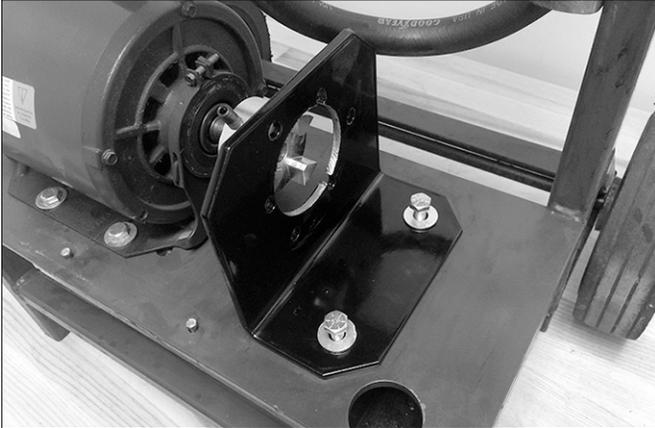
14. Install the 5/16" set screw into the motor coupler.



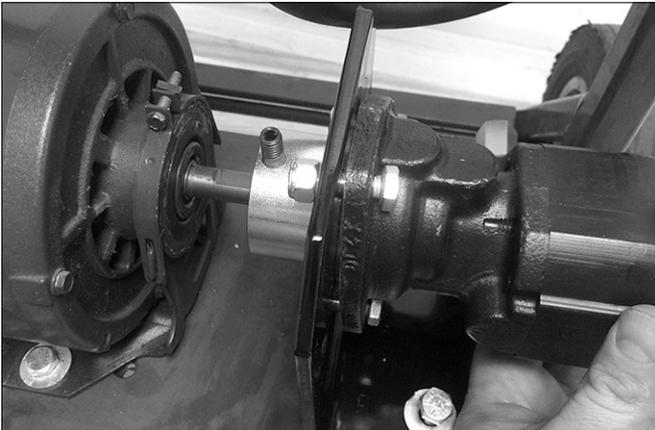
15. Install the motor coupler onto the motor as shown.



16. Install the new pump bracket onto the Shop Pro cart as shown using the new bolts and washers – hand tighten only.



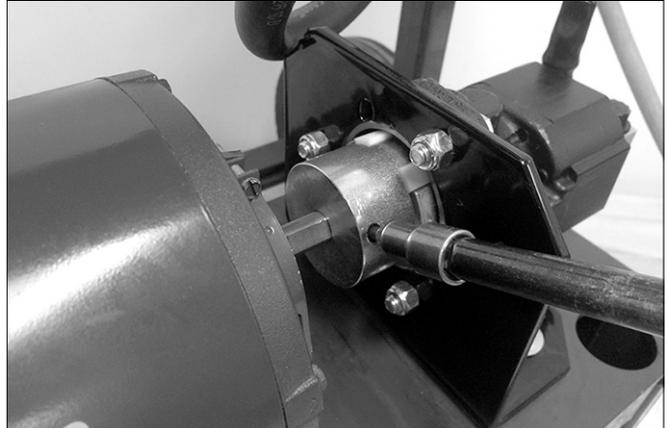
17. Install the new pump onto the bracket using the new bolts and lock nuts. Rotate/adjust the motor coupler as needed for proper engagement.



18. Tighten the three pump to the bracket bolts.



19. Adjust the coupler depth so there is ~1/8" air gap between the face of the couple and the face of the pump drive hub. Torque the coupler set screw.



20. Rotate the pump shaft/coupler by hand; it should rotate freely without binding. If it is binding and can be felt, shim the pump bracket or the motor accordingly.



21. Remove the packaging plugs from the fuel pump and discard.



22. Lubricate one end of the 20" suction hose and install it on the outlet of the filtration unit as shown.



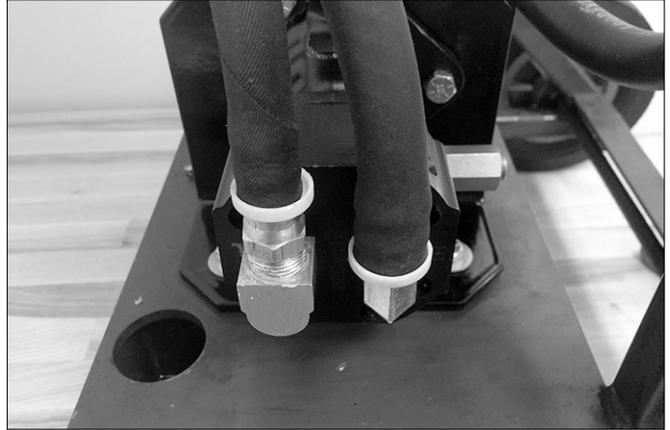
23. Lubricate the other end of the suction hose and install it on the fuel pump as shown.



24. Route the end of the new discharge (pressure) hose through the eyelet on the Shop Pro upright as shown.



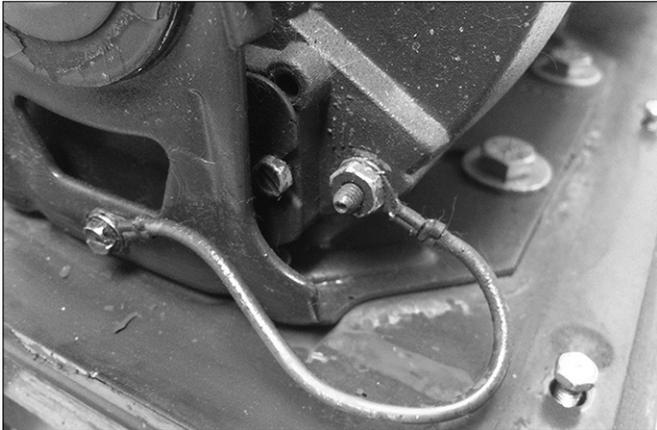
25. Apply liquid thread sealant to threads on hose end and install on fuel pump as shown.



26. Wrap the discharge (pressure) hose around cart as shown.



27. Remove the grounding nut as needed.



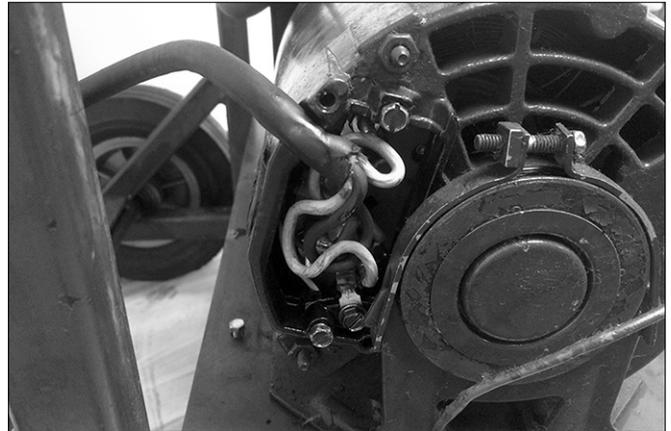
28. Loosen the motor clamp bolts slightly until the motor pivots in the cradle freely.



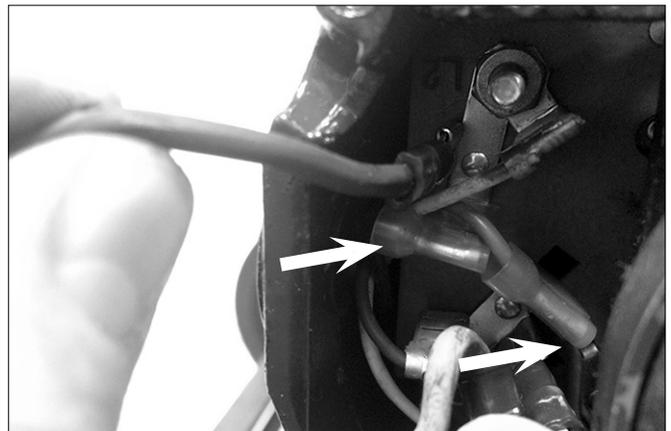
29. Rotate the motor upward exposing the electrical connection access plate.



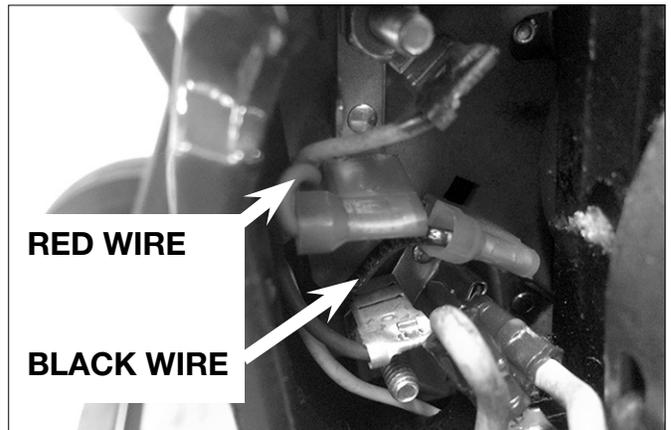
30. Loosen the access plate screws slightly and remove the plate from motor.



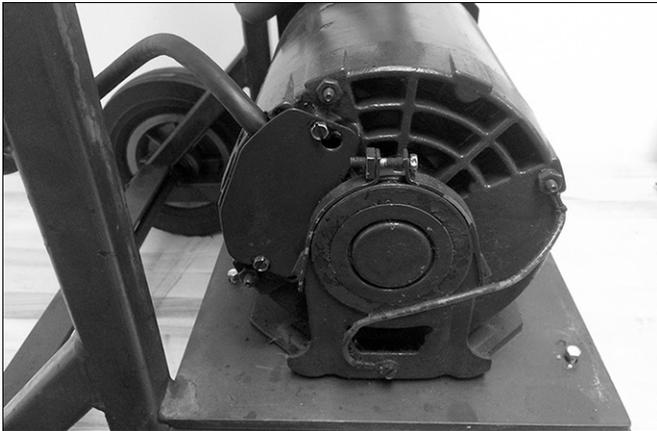
31. Pull the power cord back to expose the electrical connections on the circuit board.



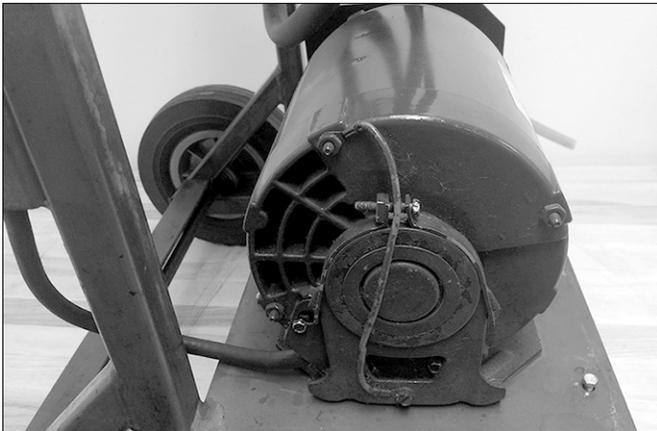
32. Using needle nose pliers swap L1 and L2 (red and black wires) to reverse the motor rotation.



33. Bundle the power cord back into the electrical cavity and replace the access panel.



34. Rotate the motor on pivot so the electrical cord is down towards the motor mounting plate and tighten the motor clamp bolts.



35. Align pump/motor and confirm pump rotation - attach the tubes to the suction and the dispensing hoses and place them in a bucket of fuel.



36. Open both valves as shown.

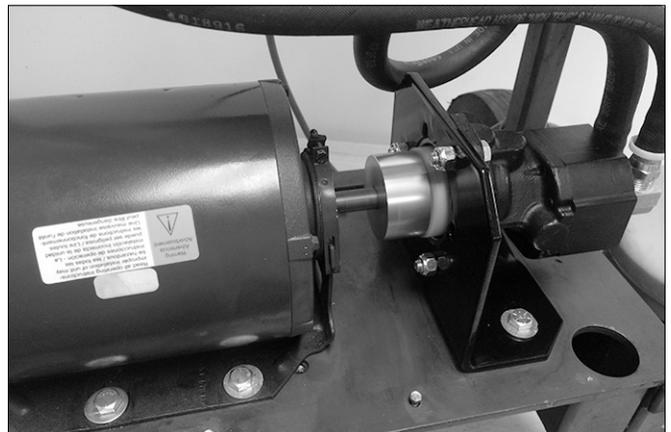


37. Connect an extension cord to the power box on the back of the cart.



38. Align the motor/pump - carefully turn the power switch on and note the sound and appearance of the motor/pump coupler. The sound should be smooth and coupler should spin concentric.

39. Tighten the two pump bracket bolts up to finalize the alignment then shut off the power switch.



40. Fill the Shop Pro filtration unit with clean diesel fuel and replace the vent cap.



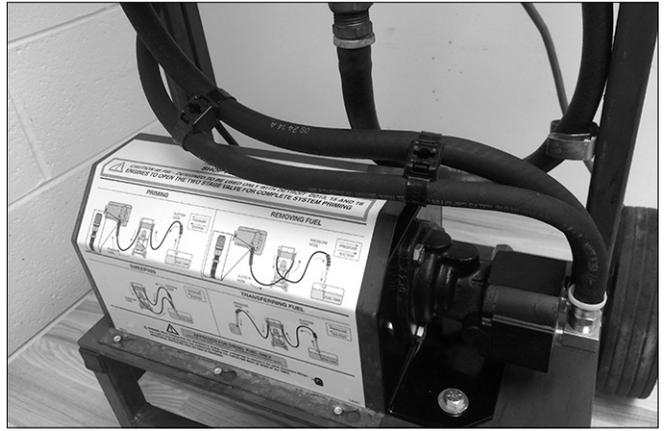
41. Turn the power switch on and confirm the fuel flow into the suction hose and out of the discharge hose – this process insures that the motor direction is wired to spin the pump in the proper direction.

42. Remove the old motor cover label and replace it as shown.

**Note:** Use brake/parts cleaner on a rag sparingly to remove any residual adhesive or grease when removing old labels.



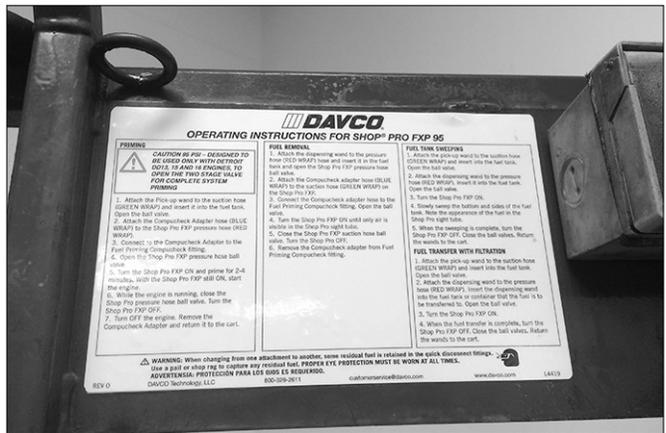
43. Install the motor cover onto cart and tighten the five 1/4" headed bolts.



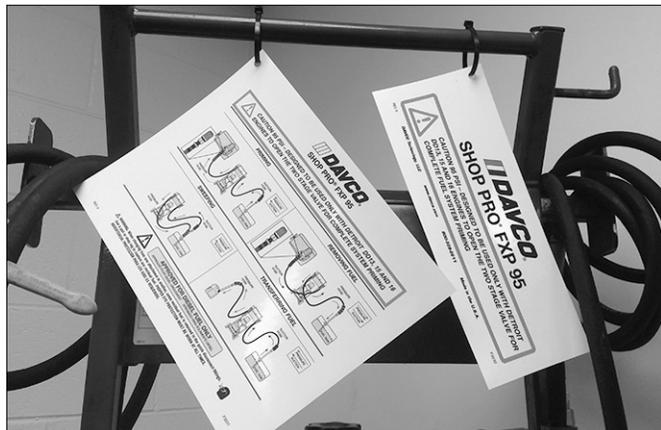
44. Remove the existing front product label and replace it as shown.



45. Remove the existing rear operation instruction label and replace it as shown.



46. Remove the existing hanging operation and safety tags on the main cart handle and replace as shown.



47. The Shop Pro FXP 95 PSI upgrade is now complete.

