

Bulletin #6

Automated Equipment, LLC

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Issue:

AFD-280 and AFD-280U Pressure Switch adjustment.

For the best compressor operation the pressure switch should be adjusted to turn the compressor on at 40psi and off at 60psi. When a new compressor or pressure switch is installed the pressure switch should be adjusted.

Symptoms:

If the turn on pressure is set to low there may be intermittent lift speed problems because the pressure will drop below 30psi.

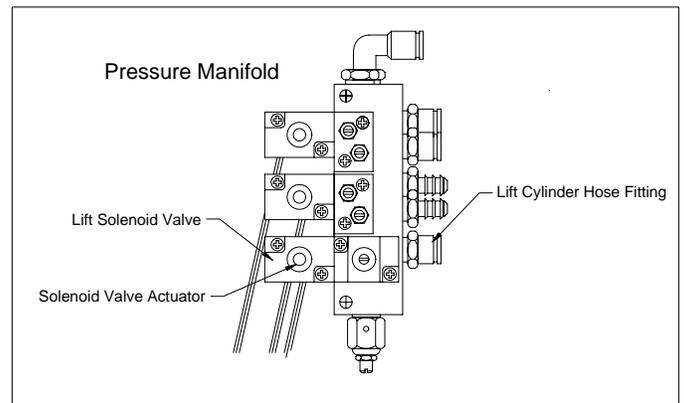
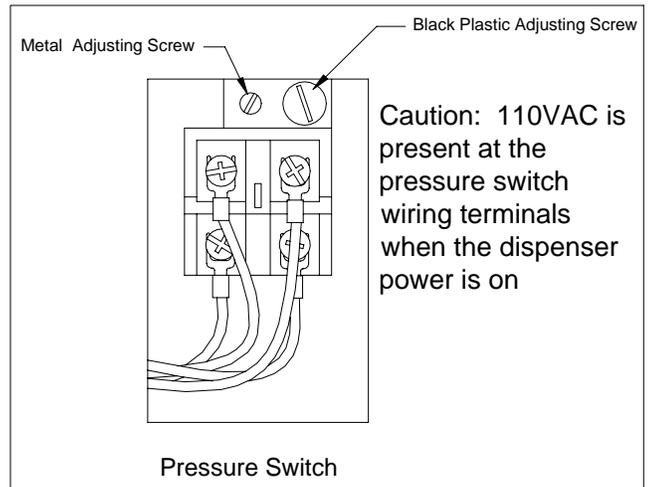
If the turn off pressure is set to high the compressor may not be able to charge up and turn off.

Adjustment Procedure:

1. Turn the power off and unplug the power cord.
2. Remove the back panel.
3. Remove the pressure switch cover.
4. Remove the lift cylinder hose from the pressure manifold.
 - Push the hose into the fitting and push in on the flange at end of the fitting. While pushing in on the flange pull out on the hose.
5. Adjust the pressure regulator to read full tank pressure. Pull the pressure adjusting knob up and turn it clockwise to increase the pressure.
6. Plug the power cord in and turn the power on.

Caution: *110vac is present at the pressure switch wiring terminals when the dispenser power is on.*

7. Drain the pressure down to see when the compressor turns on. Locate the lift cylinder solenoid on the manifold. When looking at the valve you will notice a small round "eye" in the end of the solenoid. This is the solenoid "actuator". Using a ball point pen press and hold the actuator to drain the pressure down until the compressor starts.
8. Adjust the metal screw so the compressor turns on at 40psi. Turning clockwise will increase the turn on pressure and turning counter clockwise will decrease the turn on pressure.
9. Adjust the black plastic screw so the compressor turns off at 60psi. Turning clockwise will increase the turn off pressure and turning counter clockwise will decrease the turn off pressure.
10. Adjust the regulator to 30psi and lock the adjusting cap down. Push and release the solenoid actuator a few times to make sure the pressure stays at 30psi.
11. Push the lift cylinder hose back into the manifold fitting.
12. Put the pressure switch cover back on.



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