

**To: All Distributors
Regional Sales Managers and National Sales Manager**

From: Nathaniel Frank, Regional Service Manager

Model: Automizer/Expert/Wittke/Minimax

Subject: *Updated* Electronic VG-35 Valve Adjustments

The Parker VG-35 electronically actuated valve has become a more frequently ordered option for many Labrie customers in North America.

Below you will find revised steps to perform basic adjustments to the valve.

The VH-35 valve has one more section than its pneumatically actuated cousin. This section generates a pilot pressure in order to preload the hydraulic system. For optimal results, the following adjustments must be made meticulously.

As electricity is essential to the pilot pressure adjustment, make sure the electrical system is in good working order before proceeding with these adjustments.

The procedure is as follows;

1. Disconnect the tailgate solenoid from the electronic valve actuator.
2. Connect a 0-600 PSI pressure gauge to the inlet cover. Turn on the pump, and press and hold the tailgate switch in the CLOSED position.
3. Adjust the minimum generated pilot pressure to 420 PSI (engine must be at idle). The valve adjustment screw is located on the right hand side of the valve section when facing it (see figure below).
4. **NOTE;** Remove the 0-600 PSI gauge from the inlet cover. **Failure to remove the gauge will result in gauge failure.**
5. Install a 0-600 PSI pressure gauge to the maximum pilot pressure port (see figure below)
6. Reconnect the tailgate solenoid.
7. Press and hold the tailgate switch in the CLOSED position. Adjust pilot pressure to 550 PSI using the adjustment screw located at the front of the valve (see figure below)

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To perform the following steps, you will need a 0 - 5000 psi gauge

Note

the min generated pilot pressure port and main relief port are the same

8. To adjust the main relief valve, install a 0-5000 PSI pressure gauge on the inlet section gauge port. (see figure below)
9. Press and hold the tailgate switch in the CLOSED position. Using the main relief valve adjustment screw, adjust the pressure to a maximum setting of 3000 PSI for tandem axle units. (see figure below)

