

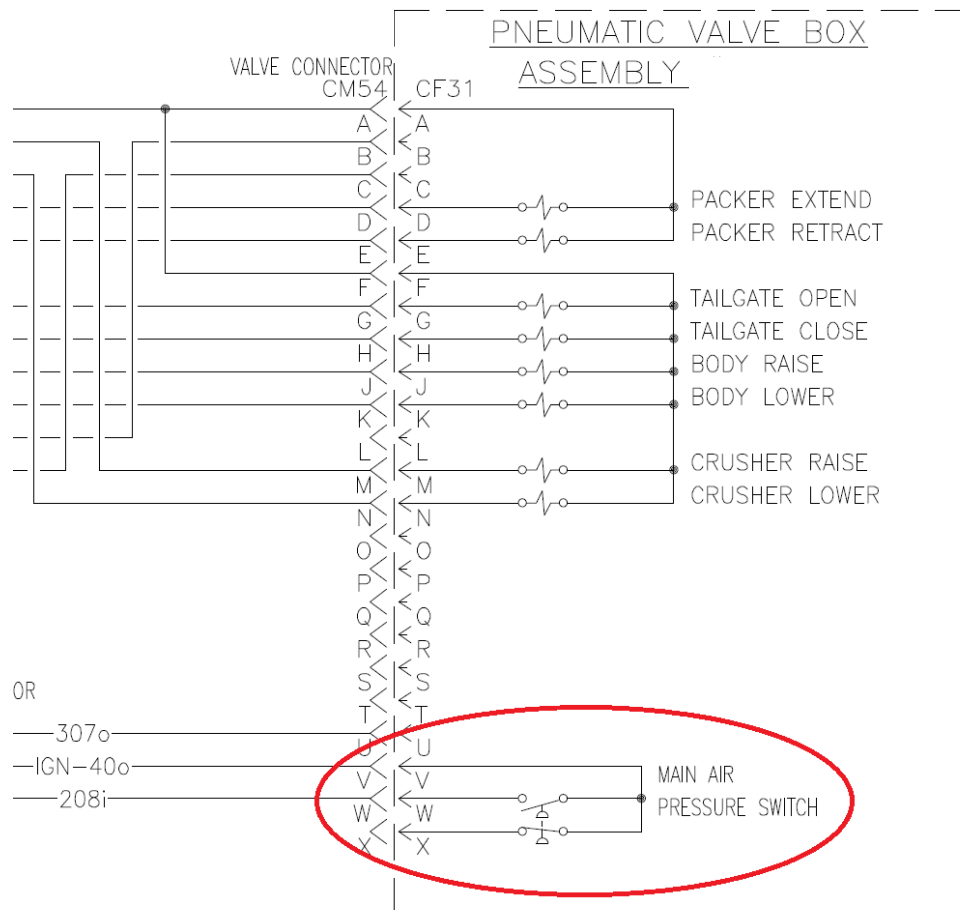
To: All Distributors
Regional Sales Managers and National Sales Manager

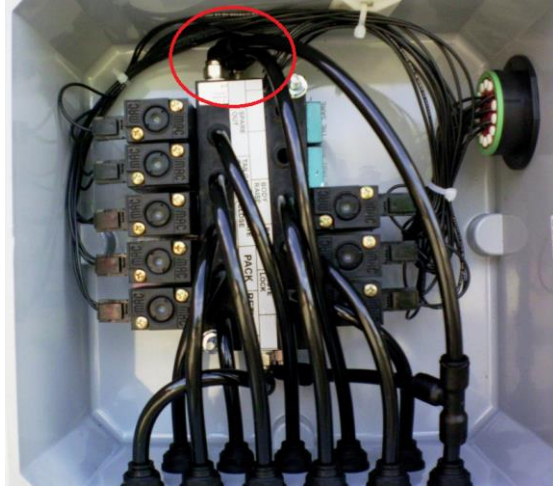
From: Technical Support

Model: All Labrie/Wittke with Pneumatic Valve Control

Subject: Control System Pneumatic Pressure Switch

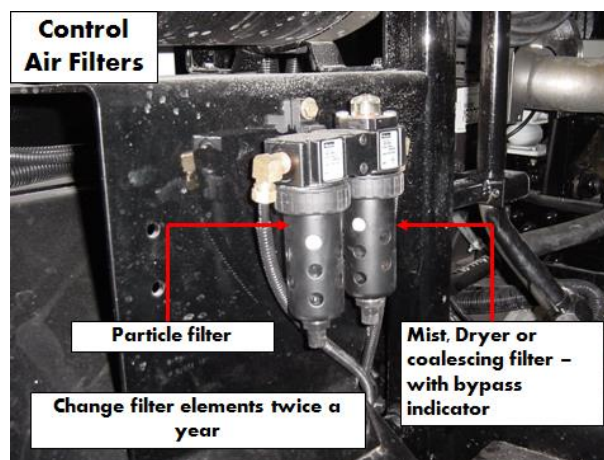
All Labrie/Wittke products with a pneumatically controlled hydraulic valve incorporate an air pressure switch to provide confirmation that adequate air pressure is available to engage the hydraulics. This is located inside the pneumatic valve box, on the Mac valve manifold, and is a normally open switch that closes at 90 PSI. When this switch closes, a 12 volt (+) signal is sent to the control system.





Prior to chassis air pressure building to at least 90 PSI, the pump will not be allowed to engage. On multiplex units, a yellow banner on the Labrie IFM display screen showing "Pump: main air pressure" and an audible beep will occur if an attempt is made to engage the pump without sufficient air pressure; on pre-IFM multiplex controlled units the pump will simply not turn on. For troubleshooting on multiplex equipped units please refer to the appropriate multiplex diagnostic manual available via labriepius.com.

If the Labrie-installed air filters are not serviced correctly, this pressure switch may provide intermittent operation due to debris blocking the intake port of the air pressure switch. When installing a new pressure switch, special care must be taken to ensure there are no contaminants introduced to the system that may affect operation of the pressure switch.



If contamination is suspected, remove the air pressure switch from the Mac valve manifold and, using electrical contact cleaner, clean the air intake port of the pressure switch.



Next, locate the hole on the back of the pressure switch. Using a 3/32" hex wrench, remove the long, threaded needle and clean the adjustment port with electrical contact cleaner.



Once the air pressure switch is cleaned and re-assembled, the pressure switch must be adjusted. install the switch into the Mac valve manifold, leaving the red and black wires loose. Using a Tee, install an air pressure regulator with gauge into the air supply line to the pneumatic valve box and adjust it to 90 PSI.

Connect a multimeter set to the red and black wires of the air pressure switch and select continuity (Ω) on the multimeter. Using the 3/32" Allen key, adjust the needle in until the multimeter shows continuity between the red and black wire. Remove the multimeter and air pressure regulator, then connect the air pressure switch wires and re-assemble the pneumatic valve box.

Please contact the LabriePlus Service Department at (800) 231-2771 with any questions or for further information.