

Troubleshooting

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Is there a jumper in the Implement Lift Switch connector on the main harness connected to the Liquid Product Control Module (harness 201-215468Y2)? If there is not an implement lift switch plugged in, there must be a jumper between Pins A & C of this connector. If this is not done, the system will not run.

Pump Will Not Turn

Turn hydraulics off, go to the SureFire PWM valve and use the manual override on top of the electric coil to manually open the valve (Manual Override UP = valve fully open). Turn hydraulics on **at a low flow only** as the valve is 100% open. Try hydraulic lever in opposite direction. Does the pump turn? If it turns, your problem is electric / electronic. If the pump still does not turn, you have a hydraulic problem.

Electric / Electronic Problem

1. Close manual override (lock down)
2. Go to Run Screen, turn off Swath Control, then go to Rate Control Detail screen.
3. Verify hydraulics are on.
4. In manual mode, hold down “+” button for a few seconds. A single tap of this button produces a very small change in signal to the valve, so you must hold it.
5. Take a metal object and hold it next to the coil. If the coil is working, you will feel the magnetic pull.
6. If no magnetic force is felt, disconnect the PWM valve connector and check voltage. You will need 6-12 volts to get hydraulic valve to open.
7. If 6-12 volts is not present, check harnesses and review control valve type setup.
8. Go back to the 8-pin connector at the Liquid Product Control Module. Check voltage between pins 2 & 7, should be between 6-12 volts while in manual mode after holding “+” button.
9. If you cannot get voltage at pins 2 & 7, contact your Ag Leader dealer for further assistance.

Hydraulics Problem

1. Leave the manual override open on the SureFire valve.
2. Check the hose routings. The “P” port on the SureFire valve should hook to pressure. The “T” port is the return that should flow back to the tractor.
3. Try hoses in a different hydraulic remote. Inspect hydraulic connectors for damage or restrictions.

Hydraulic Manual Override

Down - Normal Operation

Up - Override, valve 100% open

