

Troubleshooting

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 pump is running now, your problem is electric / electronic. If the pump still does not turn, you have a hydraulic problem.

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Trouble-
shooting

Electric / Electronic Problem

1. Close manual override (lock down).
2. Go to Field-IQ > Diagnostics to investigate this issue.
3. Verify hydraulics are on.
4. Turn rate switch on Field-IQ to Manual. Turn master switch on. Open section valves with on-screen buttons.
5. Use Field-IQ increase/decrease to increase rate 25 times.
6. Take a metal object and hold it next to the coil. If the coil is working, you will feel the magnetic pull.
7. 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.
8. If 6-12 volts is not present, check harnesses and review control valve type setup.
9. Go back to the 30-pin connector at the Trimble Rate and Section Control Module. Check voltage between pins E1 & E2, should be between 6-12 volts while in section test after holding increase button.
10. If you cannot get voltage at pins E1 & E2, contact your Trimble 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

