

REM Vue® - 500S PROBLEM GUIDE

ENGINE SPEED RPM FLUCTUATIONS

- Check timing with strobe; compare to original setting.
- Fuel shut-off valve may not be fully open.
- Check RPM pickup for damage, debris, gap.
- Check fuel supply regulator for loose adjustment nut.
- **Put Gov PID in manual to see if fluctuations stop.**

RPM SET POINT NOT BEING MET

- Check timing with strobe; compare to original setting.
- Check to make sure the engine is not overloaded.
- Check for Over-rides.

ENGINE CANNOT TAKE LOAD

- Verify control is **LOCAL**, not REMOTE.
- Check Max speed RPM on main Shut-down screen. Call REM Vue® supplier for assistance.
- Make sure the unit is not loading too fast.
- Check fuel supply regulator for loose adjustment nut.
- Check exhaust temperatures for hot, cold, or intermittent cylinders.

ENGINE HARD TO START OR WON'T START

- Check for Ready to Start message.
- Clear Alarms.
- Check Ignition diagnostics.
- Start gas pressure or volume insufficient.
- Check engine fuel gas valve is open.
- Use **Force DO** screen to toggle Digital Outputs
- On HMI check start RPM >Crank RPM and is steady.

UNIT WILL NOT LOAD

- Verify control is **LOCAL**, not REMOTE.
- Check to make sure the unit status is in Loading.
- Check to make sure there are no overrides.
- Place the control loops in manual and see if they work.
- If manual operation works check the load rate settings and the PID settings.**

SENSOR FAILURES (4-20 mA)

- If the analog input is < 2.8 mA or > 20 mA a transmitter failure will be indicated.
- Check fuses. Inspect wiring and connectors for loose connections or mechanical damage.
- Sensor faulty.

THERMOCOUPLE FAILURE

- Inspect wiring and connectors for loose connections or mechanical damage.
- Thermocouple open.

HMI DISPLAY

- HMI lockup — recycle power to HMI only (engine can still run).
- PLC not responding — communications cable fault; wrong addressing.
- PLC disconnected — Controller off or communications cable problem.

REM Vue® - 500

- Main Controller:
- Status LED off — no power. Check fuse and voltage.
 - Status LED slow blink — cycle power;
 - Communications TD and RD do not blink — check wiring and other device; cycle power.
- I/O Module:
- Status LED off — no power, check connection.
 - Status LED long blink — check ST bus wiring.
 - Status LED short blink — self-test failure; replace.

Caution: Wait 2 min after power cycle

Caution: Some devices may fail open on power cycle (e.g. bypass valves)

** Please contact your REM Vue® supplier for assistance.

This guide was written in point-form to assist in the trouble-shooting of possible problems with REM Vue® panels. Refer to the REM Vue® - 500 Field Trouble Shooting Guide for more detail.

