RECOR LVC Troubleshooting:

The following may serve as a quick troubleshooting guide if you encounter problems in operating the LVC 323 Electronic Volume Corrector:

Symptom	**Diagnosis**
Will not log on	1. Verify that direct connect baud rate is 19200 2. Verify that proper com port is selected. (Com 1 is standard on most laptops) 3. If error "Com not ready to send" check to see that only 1 session of Lvchost is running. 4. If error "Com not ready to send" reboot computer and try again. 5. Make sure that the "Default Sandia ID" in "Host Setup" is set to 63. 6. Check Com Cable. 7. Restart instrument (Send calibration and poly files to unit) 8. Call factory for assistance.
Will not scroll	1. Check battery voltage. 2. Test scroll switch with ohmmeter. 3. Restart instrument (Send calibration and poly files to unit) 4. Call factory for assistance.
Constantly scrolls	1. Test scroll switch with ohmmeter. 2. Restart instrument (Send calibration and poly files to unit) 3. Replace main pcboard (Return old pcb for repair) 3. Call factory for assistance.
Display is blank	1. Check battery voltage. 2. Check lithium voltage. 3. Check lithium jumper (Scrape with knife to clean if necessary) 4. Replace any dead batteries & check for high current draw. (Current draw can be the transducer, disconnect while checking current to verify) 4. Restart instrument. (Send calibration and poly files to unit) 5. Call factory for assistance.
Not responding to applied pressure	1. Confirm pressure mode set to AUTO 2. Check connections of transducer wires. 3. Send original "Calibration file" into the unit and verify calibration. Config column/ Auto Config/ "Restore Instrument" Example filename: 32301234.CFG 4. Replace transducer and recalibrate. 5. Call factory for assistance.

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Not responding to temperature	1. Confirm temperature mode is set to AUTO 2. Check connections of temperature probe wires. 3. Send original Calibration file into the unit and verify calibration. 4. Retest with a different known good temperature probe. 5. Call factory for assistance.
Abnormally high accumulator value(s)	1.Check uncorrected, corrected and meter drive factors. 2. Check harness between index board and main board are tight and proper. 3. Make sure that the index optical switch is operating properly. Go to Display column/ Diagnostics/ “Index Pulse out” and watch arrow go to all four quadrants. 4. Call factory for assistance.
Abnormally low or no accumulator value(s)	1. Check uncorrected, corrected and meter drive factors. 2. Check instrument configuration to see if meter rotation is proper (Clockwise or Counter-Clockwise). 3. Set “Meter Speed” to “Fast” (Especially for “cable-driven” indexes). 4. Check to see that the index is not binding. 5. Check harness between index board and main board are tight and proper. 6. Replace index harness between index board and main board. 7. Replace optical index pcboard. 8. Call factory for assistance.