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How to Check your Vector Drive

- Set meter to Diode Check Scale \rightarrow +
- Disconnect wires from terminals 1, 2, 3 (R, +, -) on vector drive.
- Make sure to insert Red Lead in V+ socket and Black Lead in Common socket of meter.
- Place BLACK LEAD on Terminal 2, check with RED LEAD to Terminals 4, 5, 6 (Should measure OL) and 9, 10, 11 (Should measure .3V -.7V).
- Place RED LEAD on Terminal 3, check with BLACK LEAD to Terminals 4, 5, 6 and 9, 10, 11. (Should measure .3V -.7V)
- Place RED LEAD on Terminal 1 (R) and BLACK LEAD on Terminal 2 (+). (Should measure .3V -.7V w/o charging)
- Place BLACK LEAD on Terminal 1 (R) and RED LEAD on Terminal 3 (-). (Should measure 1.3V or "OL")

How to Check your Servo Amplifiers

- Set meter to Diode Check Scale \rightarrow +
- Disconnect wires from terminals 1, 2, 3 (R, +, -) on vector drive.
- Make sure to insert Red Lead in V+ socket and Black Lead in Common socket of meter.
- Place BLACK LEAD on bottom terminal (+H.V.), check with RED LEAD to Terminals A, B, C (Should measure .3V -.7V).
- Place RED LEAD on 2nd from bottom terminal (-H.V.), check with BLACK LEAD to Terminals A, B, C (Should measure .3V -.7V).

How to Check your Regen Resistors

- Set meter to Resistance Check Scale Ω or \sim
- Measure the twisted pair of wires (Black and White) that go to Regen Bank. Should measure 5.5 ohms – 12 ohms, depending on machine.
- Measure from White Wire to Machine Ground. Should show "OL" on meter display.
- Visually Inspect Wires for pin holes, worn spots, or any compromise of insulation.
- Visually Inspect Regen Bank for contamination such as metal chips or coolant.