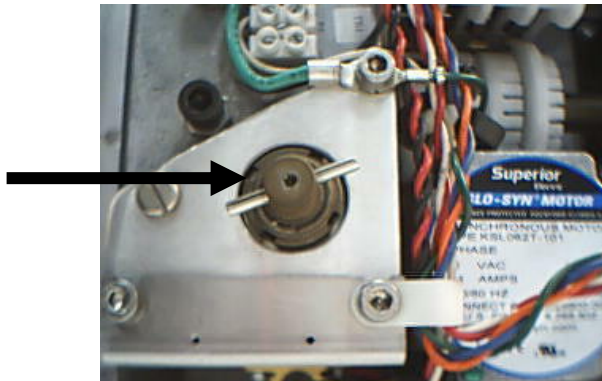


## SA 2000 Motor does not drive test

### Mechanical Test

Check that the drive train can move the shaft. Remove the top cover from the unit and locate the “T” bar.

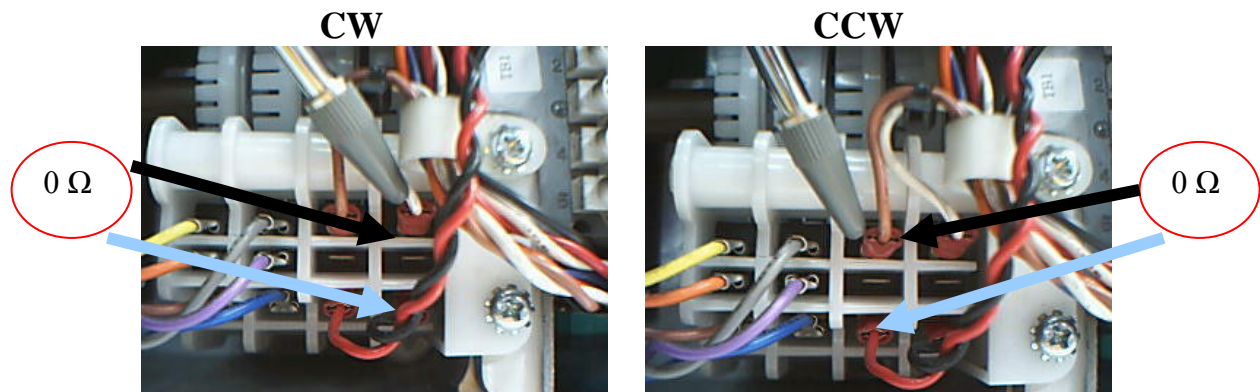


Rotate the “T” bar and check if the drive shaft moves.

If so, the mechanical drive is ok. If not, then there is a problem in the mechanical drive.

### End of Travel Limit Switch Test

Check that both “End of Travel Limit Switches” are closed. Remove power from the motor and with an Ohm meter check for 0 ohms across both limit switches.



If either switch reads open, then rotate the “T” bar until both switches read 0 ohms.

### Auto - Manual Switch Test

If the motor has an “Auto Manual switch” check if the shaft moves when the switch is placed in the CW or CCW position. **Note:** this switch bypasses all of the electronics and connects line power directly to the drive motor.

If the motor does not move with the switch then the motor is bad.



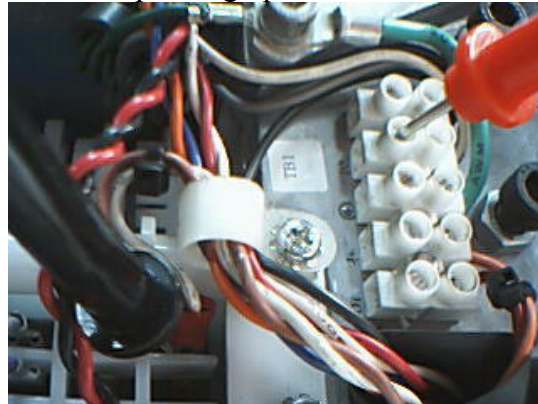
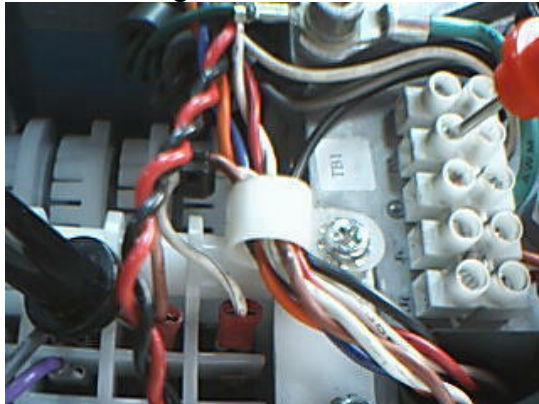
### Electronic drive check.

Display Units – Place the unit in the manual mode and press the Up or Down arrow key.

Non –Display Unit – Vary the 4-20ma input signal

Check for AC voltage to the Neutral terminal (TB1 – terminal 2)

Voltage will be either 120 Volt or 240 Volt depending upon model number.



If Voltage is only read on one side or neither, check the fuses on the Power Supply card (Wickman T1 Type 6A 250 Volt).

If the fuses are ok, then try replacing the Power supply card (51500166-503).

