

DIAGNOSTIC PROCEDURE FOR CONTROL BOX OF KAMA EV 996

TOOLS NEEDED: VOLTMETER

- 1) Remove back cover of control box and terminal block cover from motor housing
- 2) Check Input Voltage
- 3) Check Continuity of Fuses F1, F2 F3 using the tester
- 4) Confirm 24V AC on terminals 7-8 of the PC Board, corresponding to wires 7 & 8 (this power comes from the 24V transformer)
- 5) Check Handle Switch for Continuity
- 6) Check Continuity of the thermal overload protection (red wires at motor terminal block)

- 7) After these inspections if no fault is found, the Contactor K1 should activate when the machine is turned on. Check voltage (110-220) across terminals 2-4-6 of K1

- 8) Next, test voltage across terminals in the speed switch:

Separate Winding Switch should have

In Slow Speed Position, Voltage across terminals U-V-W and no voltage across Z-X-Y
In Fast Speed Position, Voltage across terminals Z-X-Y and no voltage across U-V-W

Single Winding Switch

In Slow Speed Position, Voltage across terminals U-V-W and no voltage across Z-X-Y
In Fast Speed Position, Voltage across terminals Z-X-Y and continuity across U-V-W