

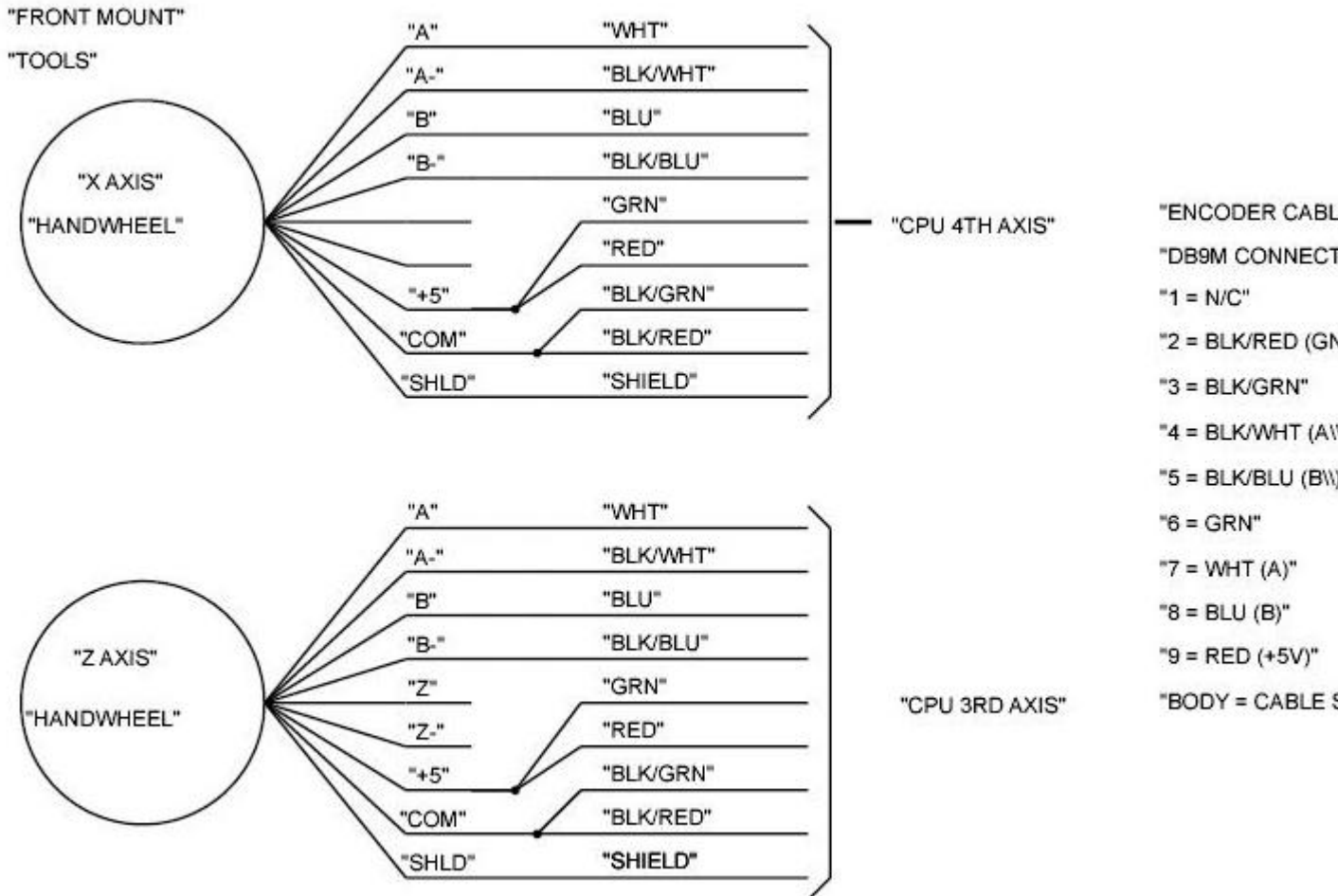
TB204 (Rev1) - Noise Problems with Dual Handwheels

Overview

Excessive noise can be present on the index channels in a handwheel setup since the channels are not driven. The A and B signals may cross over to the index channel as well as any noise sources, causing index pulses to be detected on the CPU card. Since index channels trigger an interrupt to the DSP, the DSP can eventually be crippled by unrelenting interrupts. Tying the index pulse to a fixed state eliminates excess interrupts.

Procedure

- 1 – Connect the +INDEX to VCC. The Green wire that was connected to the +INDEX (Z) is now connected to the Red wire (+5vdc).
- 2 – Connect the -INDEX to GND. The Black/Green wire that was connected to the -INDEX (Z-) is now connected to the Black/Red wire (COM).



Document History

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