To Balance C

axis Baumuller

Start the computer and when the OMNITURN CNC logo appears, press CTRL and C together. The machine will ask you: Halt Batch Process Y/N
Press “Y”
C: OMNITURN
Then type “Ctest” and return.
Then Turn Servo On.
A menu will appear, Chose #3 SET DAC OUTPUT.
Menu will read: set balance spindle MC2 card for 0Volt
1: Now put a digital Volimeter on DC on X6 terminal 5&6 or on the M19 card 2 prongs connector on the extreme right.
Adjust lower little blue potentiometer on M19 card for 0Volt
Now press enter, the screen will shift to: Set gain on spindle drive Mc2 card for 4 Volts
2: With your meter on the same spot, adjust upper blue pot to 4 volts.
If spindle is vibrating, reduce the 4 Volts on upper pot until there is no more vibration.
You can go as low as 2.5V.
Repeat procedure 1 and 2 a few time switching screens with the Enter key.
When satisfied, press escape and # 5 to quit the program.
At the DOS prompt, type in CSERVO and the machine will return to main screen, or shut the power and reboot.
Baumuller Terminal Blocks X6, X7, X8 and M19 relay board

Acc/Dec Adjust:

M19 control: Red is +12; Yellow goes low with M19

These go to BEDAC underneath board.

M19 Spindle Analog (Blk&Clr)
This comes from "Special" Plug on CNC, along with extra I/O and motor encoder (X6-5 & 6)

M03/M04 Spindle Analog (Red&Blk)
This comes from Misc Plug (X6-3 & 4)

Blu & Org are Mtr OverTemp (X8-12 & 13)

Grn & Org are Enable: close with M03/M04/M19 (X8-10 & 11)

Blu & Vio are Reset: close with door reset switch (X8-8 & 9)

Brn & Blk are Servo Fault:
Open on Fault (X8-3 & 4)

NOTE: This assy will pass thru 3/4 KO hole without dis-assembly.
Motor Wires: Observe Phase
- "U" = 1U2
- "V" = 1V2
- "W" = 1W2
Yel & Wht are Over Temp

Line Input not phase sensitive, Single phase OK

See separate sheet for descriptions.

Three terminals removed to show X6 more clearly