Setting formula: $n = 16 \times \dfrac{c}{b}$

Standard setting: 16 (b = c)

b; D/A saturation value (pulse count) set in #6080 - #6083

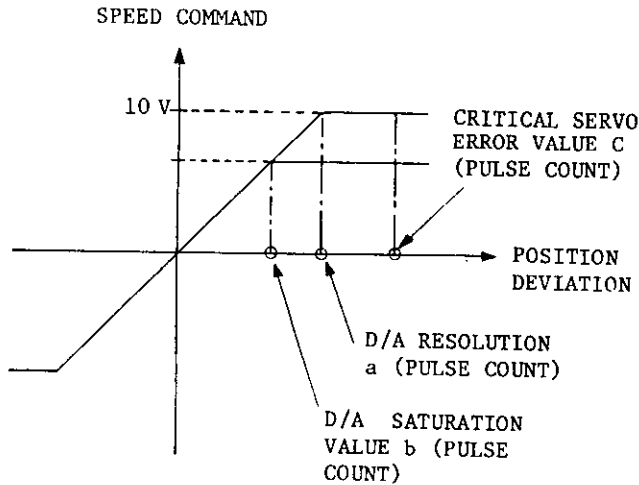c; Critical servo error value (pulse count)

Fig. 3.3.6.1

#6080		(X-axis)
#6081		(Y-axis)
#6082		(Z-axis)
#6083		(4th-axis)

#6080 to #6083:

Specify the D/A saturation value, respectively, for the X-, Y-, Z- and 4th axes.

Setting formula: $2^{(7+n)} = b$

b: D/A saturation value (pulse count)

NOTE: "n" is set.

Standard setting: 6 (b = 8192 pulses)

NOTE: Make the setting so that b = a.

a: D/A resolution (pulse count)

#6086		(X-axis)
#6087		(Y-axis)
#6088		(Z-axis)
#6089		(4th-axis)

#6086 to #6089:

Specify the PG pulse magnification and D/A resolution, respectively, for the X-, Y-, Z- and 4th-axes.
Setting formula: n1 + n2

(1) PG pulse magnification value n1

PG pulse magnification	n1
x 1	64
x 2	80
x 4	112
x 8	48

(2) D/A resolution value n2

D/A resolution a (pulse count)	n2
32768 pulses	14
16384 pulses	13
8192 pulses	12
4096 pulses	11

Standard value: n2 = 12