Warning: The following meeasurments and adjustments must be performed by a qualified electronics technician. The front panel of this drive has high voltage hazards on terminals R-S-T, r -t, Y3, Y4 and U-V-W. Use extreme caution when making these adjustments.

10. 3 ADJUSTMENT PROCEDURES

Fig. 10.1 shows waveforms at the respective check teminals. Table 10.12 shows gain adjustment method of SERVOPACK.

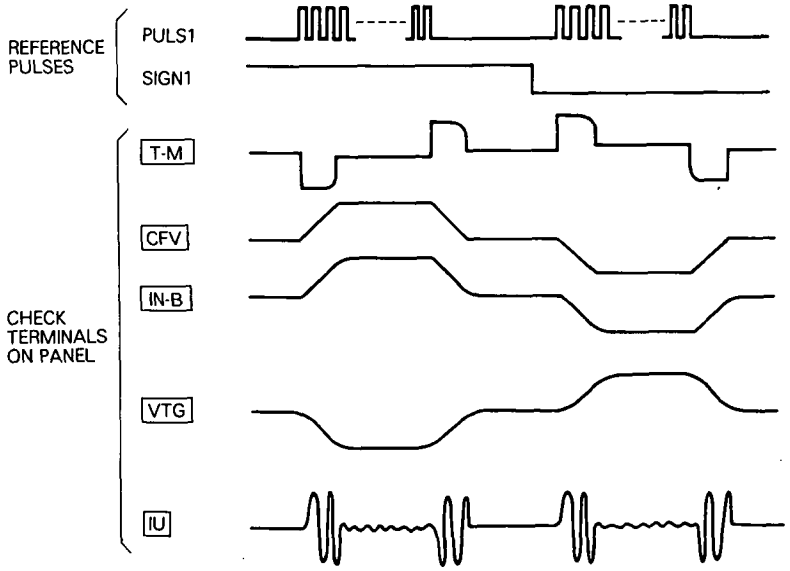
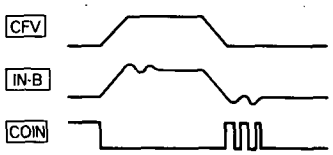
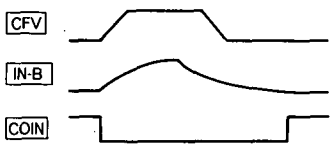
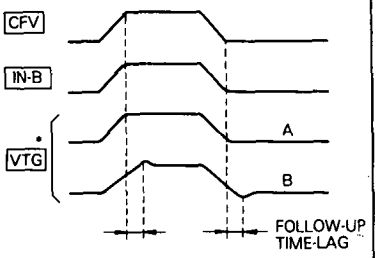


Fig. 10.1 Check Terminal Waveform at Normal

Table 10.12 Servo Gain Adjustment (at Potentiometer on the panel)

Item	How to Adjust	Remarks
Overshoot occurs. 	• Turn IN−B CCW to decrease the position loop gain. • Turn LOOP CW to increase the gain.	• Adjust the gain gradually. • If IN−B or LOOP gain is too high, motor vibrates.
Follow-up response is bad. 	• Turn IN−B CW to increase the position loop gain.	• If the variable range of IN−B is small, change the D/A converter bit. For example, where the D/A converter bit is changed from 10 bits to 9 bits, gain becomes two times.
To short the positioning time further  *Monitor by inverting the polarity.	• Apply the feedfoward compensation using CFV . Note: If the follow-up time-lag of VTG is too large, feed forward compensation is ineffective. • Apply the bias compensation using BIAS.	• If CFV and BIAS is not functioning effectively, perform as following: • Set the setting pin of SW10-⑧ to ON. • Turn IN−B CCW to decrease the gain, and set the setting pin of SW10-⑦ to OFF. Readjust the gain using IN−B