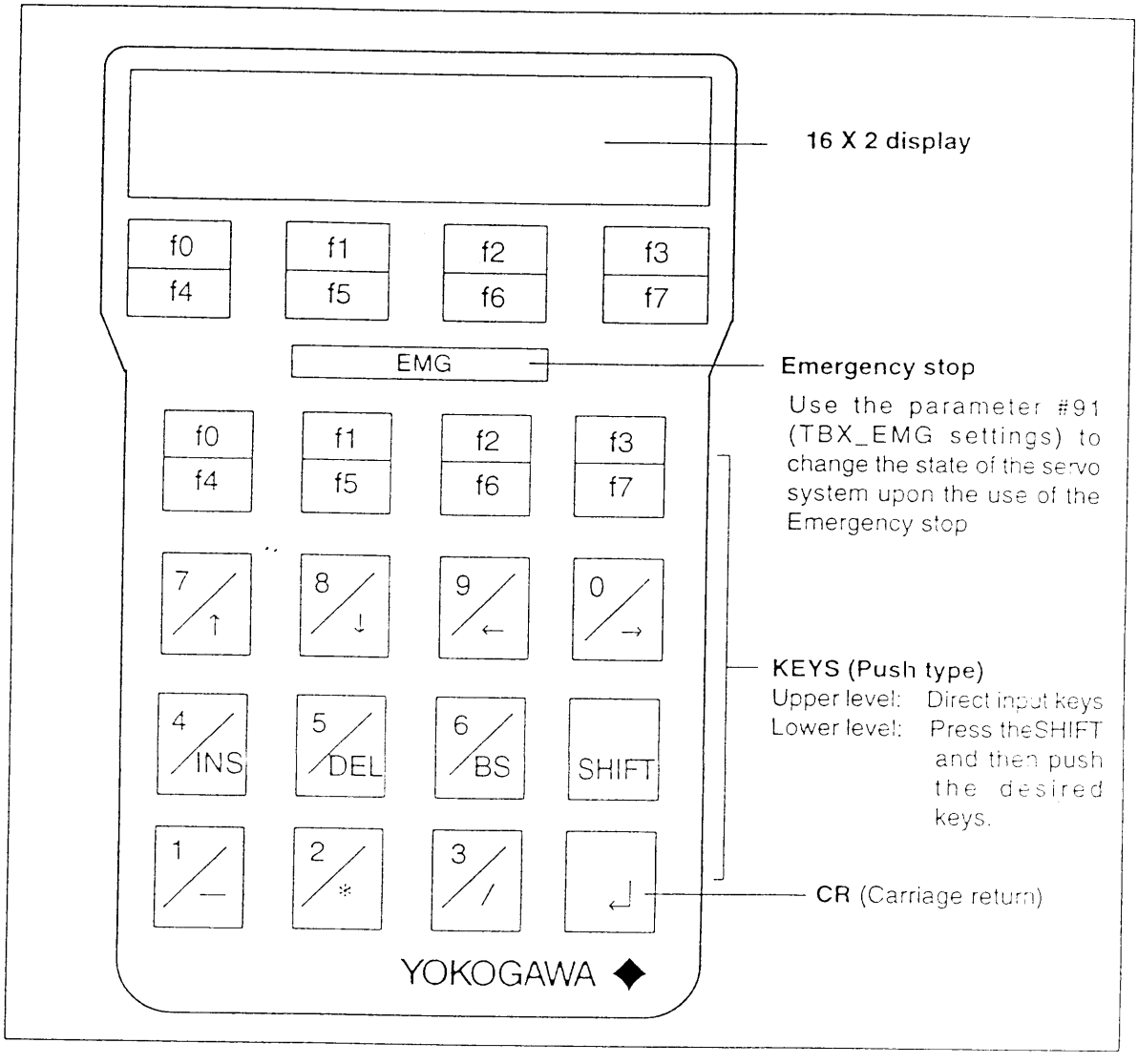
7. Operation Display Pendant (TBX)

7.1 Outline

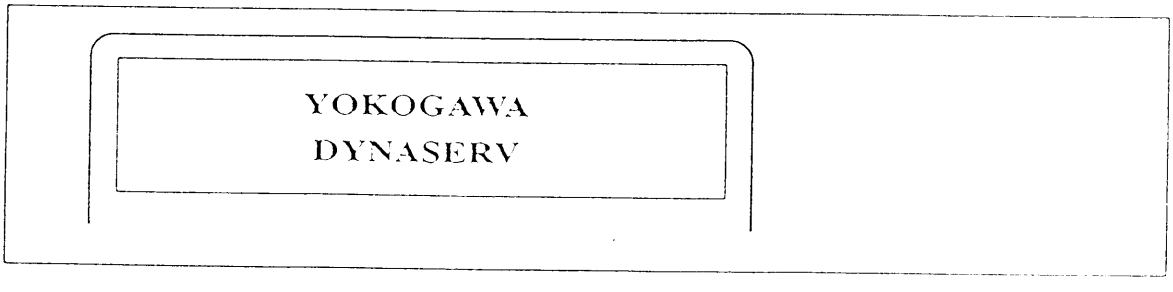
Connect this teaching pendant to the CN1 connector of the DYNASERV M-type driver.

7.2 Features And Part Descriptions



7.3 Connections

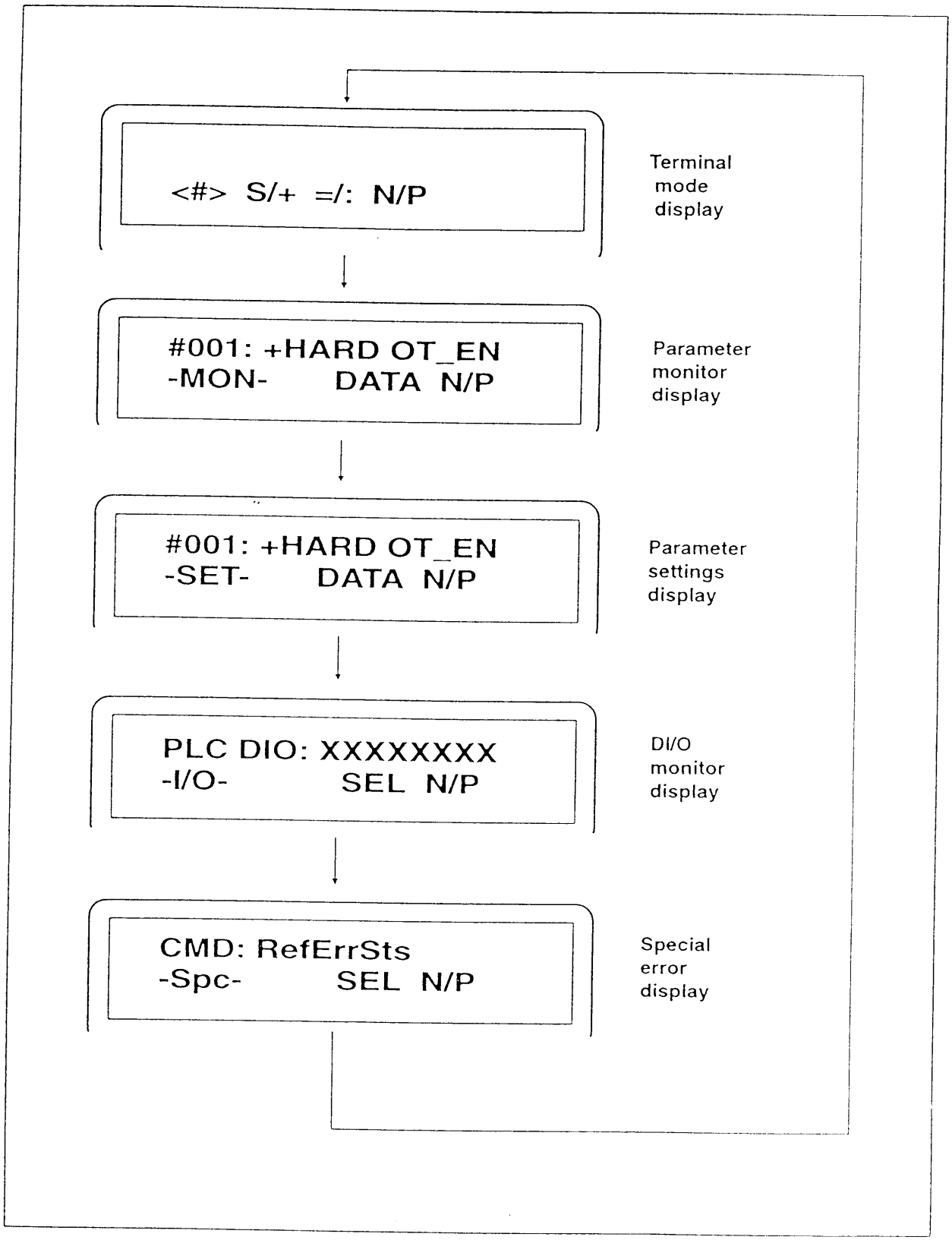
Upon the first connection to the CN1 connector in the DYNASERV, the teaching box pendant will display the following and then switch to the terminal mode operations.



7.4 Switching Displays

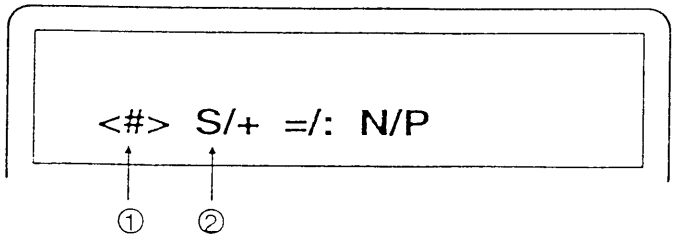
Use the f3 key (NEXT) to switch forward between the displays (the default is the terminal mode of display).

The f7 key (PREV) may be used to switch backwards between the various menus.



7.5 Menu Displays

7.5.1 Terminal mode display

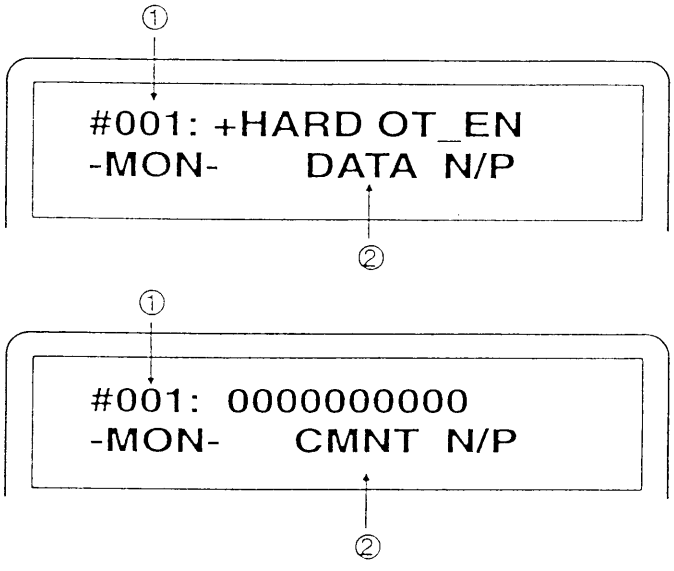


① Use the f3 key to switch between #/@/G/X/F/f/A/a/M/P
The f4 key may be used to switch through the above in the reverse order.

② Use the f1 key to input the character selected in 1 above and it shall be displayed
Use the f5, f2, f6 keys and the numeric inputs and then press the CR key to enter.

※ Use the ↑ key to scroll upwards between the various lines entered and the relevant line shall be displayed. However, scrolling is permitted up to 16 lines only. Editing the various lines is also permitted.
The → and the ← keys may be used to move horizontally along the lines and editing is also permitted.

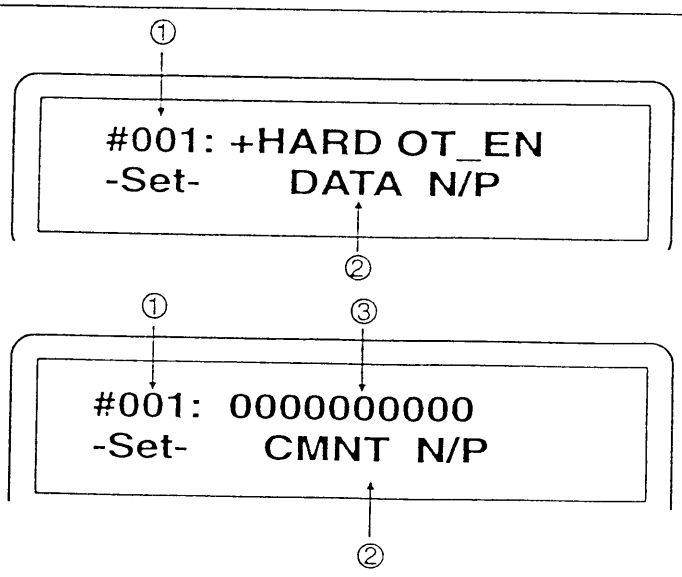
7.5.2 Parameter Monitor Display



① Use the numeric keys to input the parameter numbers.

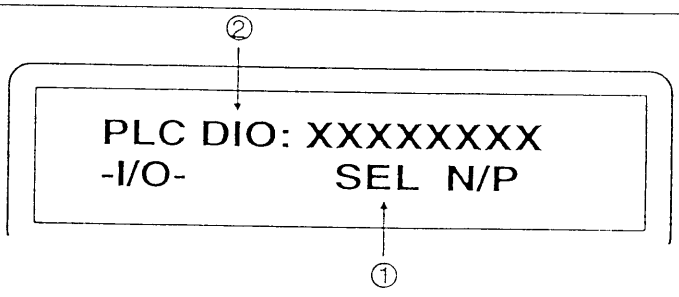
② Use the f2 key to switch between the DATA/CMNT fields.

7.5.3 Parameter Settings Display



① Use the numeric keys to switch between the various parameter numbers. Use the → and the ← keys to move between the various characters. Further, the ↑ and the ↓ keys can be used to change the parameter numbers.
② Use the f2 key to switch between the DATA/CMNT fields.
③ Input numeric data using the numeric keys and then press the CR (Carriage return) key. Use the →,and the ← keys to move between the various characters. Further, the ↑ and the ↓ keys can be used to change the parameter numbers.

7.5.4 D I/O Monitor Display

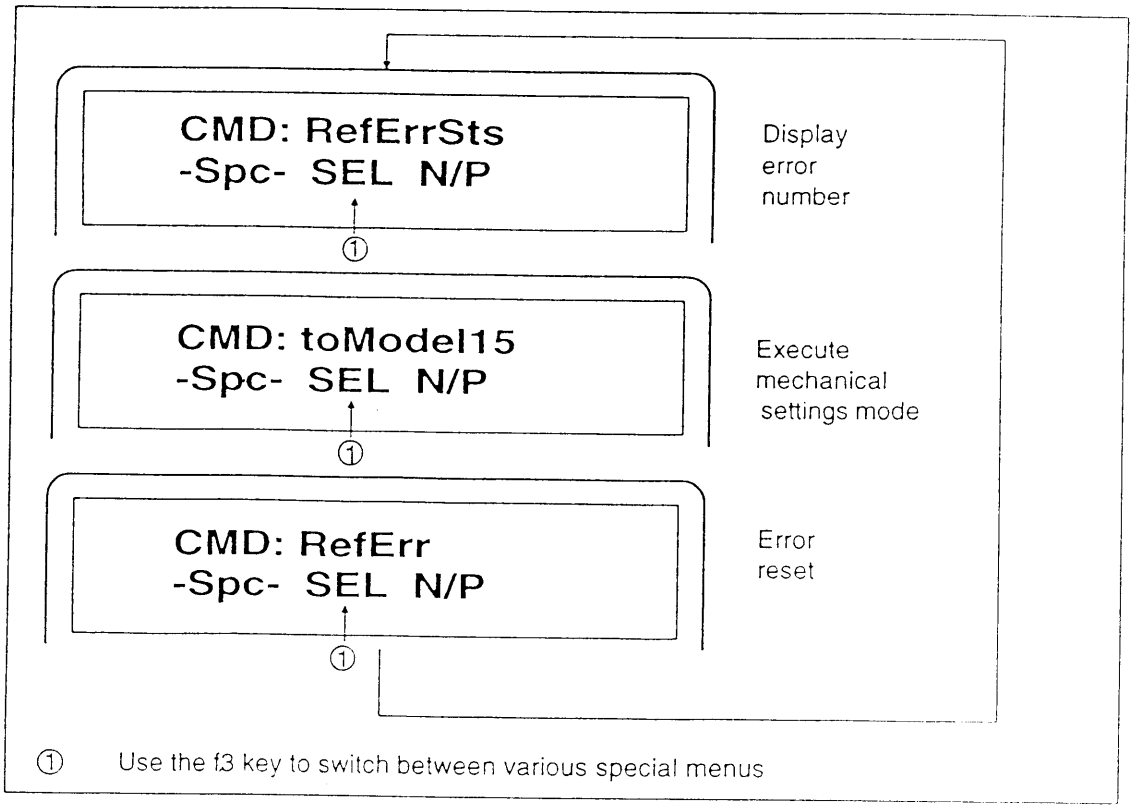


① Use the f2 key to switch between the DI/ DO/ AXIS DI
② The IO sub fields may also be switched through.

O indicates ON, X indicates OFF

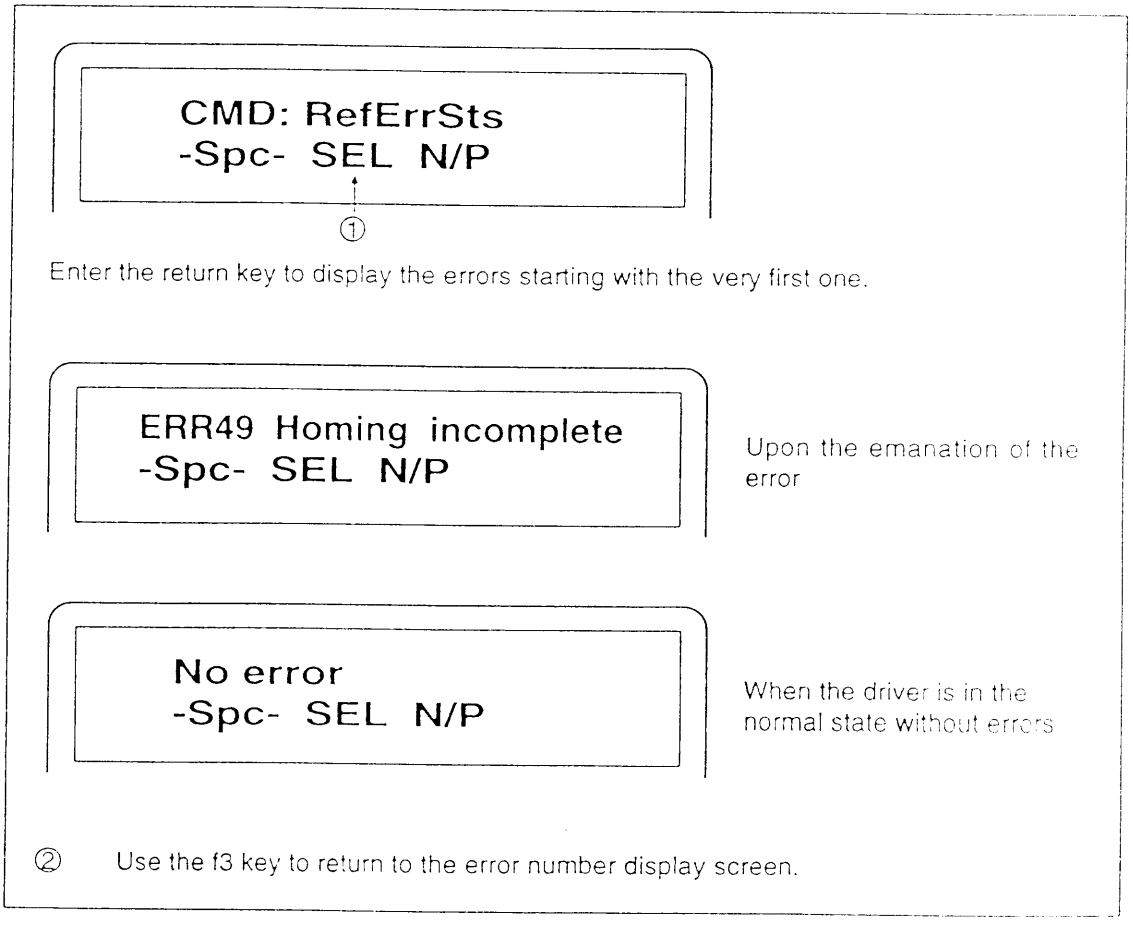
DI	0	CN2	0 to 7
	1	CN2	8 to 15
	2	CN2	16 to 23
	3	CN2	24 to 31
DO	0	CN2	0 to 7
	1	CN2	8 to 15
	2	CN3	0 to 7
	3	CN3	8 to 15
AXIS DI0	XXXXXXXX Homing proximity signal CW hard limit signal CCW hard limit signal		Rest of the signals are void
AXIS DI1	XXXXXXXX Mark sense signal		Rest of the signals are void

7.5.5 Special Error Display



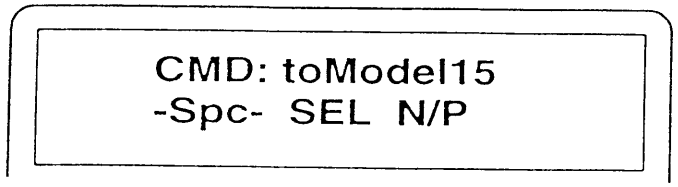
① Use the f3 key to switch between various special menus

◆ Error Number Display

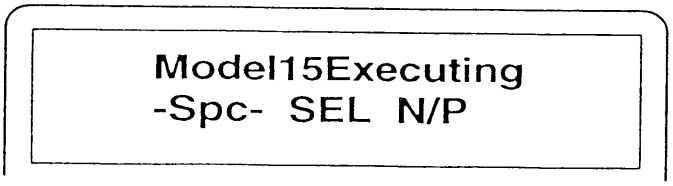


② Use the f3 key to return to the error number display screen.

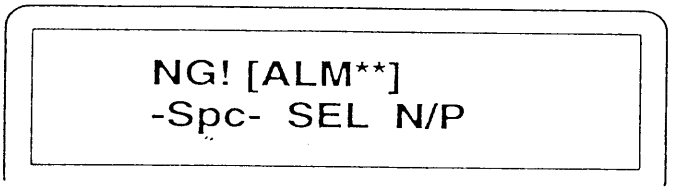
◆ Mechanical Settings Mode Display



① Press the return key to enter the Mechanical settings mode display



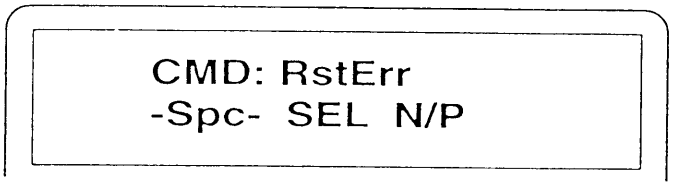
Upon succesful execution



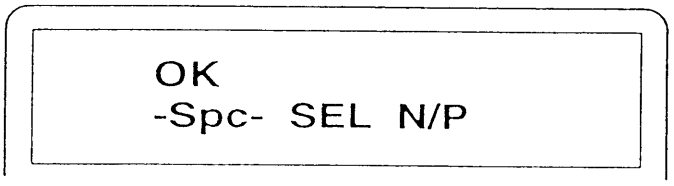
Malfunction or error status

② Press the f3 key to retrun to the Mechanical settings mode display.

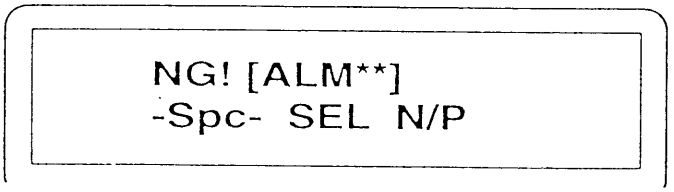
◆ Error Reset Display



① Press the return key to reset the error status.



Upon succesful execution



Malfunction or error status

② Press the f3 key to return to the Error rest display.