2.10 USER MESSAGE DISPLAY

2.10.1 ALARM MESSAGE DISPLAY BY #8000 COMMAND

The user can display any alarm message on the CRT screen. By specifying the following command in the part program, 3-digit alarm number n and the alarm message (less than 32 characters) may be designated:

#8000 = n (<alarm message>);

The alarm number should be 3 digits and the one that is not used by the control. For the alarm message, alphanumeric characters may be used. When this #8000 command is executed, the alarm message is displayed and "ALM" flashes at the bottom of the CRT screen.
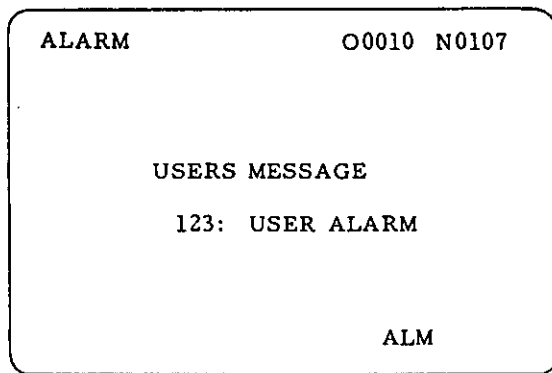

Fig. 2.87 Sample Display of
Alarm Message by #8000 Command

Note: If a command with a wrong alarm message is specified, a format error will be caused.

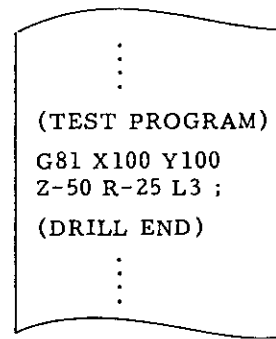### 2.10.2 MESSAGE DISPLAY BY CONTROL-OUT AND CONTROL-IN

(1) Programming and Display by Control-Out and Control-In

The user can program any message between the information enclosed with control-in and control-out in the part program in order to display the message on the CRT screen. The enclosed information is assumed to be insignificant.
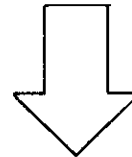
(2) How to Edit Control-Out And Control-In

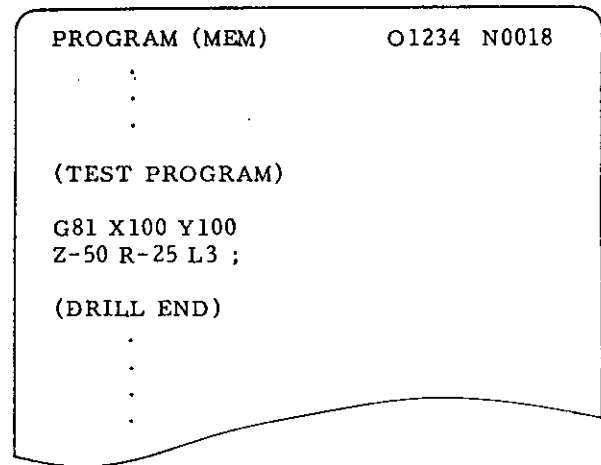The control-in and control-out part may be edited by the usual edit operation.

a. Depress $\boxed{2}$ key and $\boxed{SHIFT}$ key, and character "(" may be entered.

b. Depress $\boxed{3}$ key and $\boxed{SHIFT}$ key, and character ")" may be entered.

Program Example

Message Display by
Control-out and Control-in

Notes:

1. The characters which are indicated in the thick-lettered keys shown below may be enclosed in control-out and control-in.

2. The number of characters that may be enclosed in control-out and control-in less than 32.

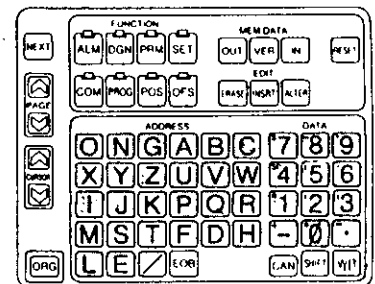3. Nesting of the control-out and control-in is not allowed.

Fig. 2.88

Characters Enclosed
in Control-Out and
Control-In (Thick-
Lettered Keys)