101 Alarm Fanuc OP Controller

Program Memory Error

Causes:
Most likely power was interrupted during download (read mode)

Bad Batteries in Fanuc Controller

Lightning cause problem

Defective Memory Board

The first thing to try is to recreate the user directory without deleting the programs

TURN OFF CONTROLLER
While holding the Program key and the RESET key turn the power on, continue to hold these until the machine comes up. If all looks normal stop right here and run machine, all is better now. If you still have the alarm complete the following procedure.

If the above procedure does not clear the alarm you must clear all user programs including MACROS

Prep: Locate MACRO programs that came with your machine (inside door, on remote computer, or backup,). If you do not have backups you must obtain them from Strippit before proceeding. You will need machine serial #, and model #. Please don't ask me to find these for you. I am busy on a call usually and it is difficult for me to know your specific parameters without some research. Please spend time backing these important documents up before you have problems. If we have a service contract I will have backups of your software, as that is included in the service. If we don't have a contract, consider one. Try calling Strippit to get the Macros they have a file by serial number telling them what the correct macros for your machine should be. If all else fails call, and I will of course do my best to help, but please understand it will take me time to do the research. I can't remember every machine Strippit has created, there are infinite combinations.

Clear User Memory as follows:

1). Turn Off Control

2). While HOLDING PROGRAM, and DELETE turn power on to machine….continue to hold until machine comes up.
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3). If all is well controller should come up without messages

4). PARAMETER 318 must be changed to allow 9000 (Macro) programs to be downloaded

a). Control in MDI mode

b). Edit Key allow edit

c). Hit "SET" button until "Handy" screen shows

d). Hit PGDN until "PARAMETER WRITE" (or PARAMETER ENABLE) is displayed

e). Type "P1 INPUT" to allow writing of parameters
     (alarm should come up "parameter write")

f). Clear alarm by pressing and holding "CAN" and the "RESET" buttons simultaneously.

Press PARAMETER button

g). Type N318, then press "INPUT"

h). Record value in Parameter "318" to reload later

i). Type "P0" then press "INPUT"

Now Type N306 press "INPUT"
Type P1010 then press "INPUT"

Switch to EDIT mode

j). Type"O-. (minus). 9999" then press "READ". (that is the letter O)

k). Send Macro programs from remote computer.

l). When done spot check the programs to ensure they look right.

m). Go back to MDI mode

n). Press "PARAMETER" button

o). Type "N318" then press "INPUT"

p). Type P then reenter the info from step I that you recorded

Now Type N306 press "INPUT"
Type P10 then press "INPUT"

q). Press "SET" button go to PARAMETER WRITE ENABLE

r). Type "P0" then press "INPUT" Machine should be ready to run

 Notes: In some cases when you are finished, and start your program you will experience a 112 ALARM. (You may get a 021 alarm) This is caused by a P code problem. Don't worry its easy to fix

1). Press SET button until PCODE VARIABLES are displayed
2). Page down to PCODE Variable 530
3). In MDI mode type P0 (even if it is already "0" retype it)
4). Verify it changes
5). Turn Power Off and back ON at controller
6). Machine should now be operational