

Reference procedure for a Fanuc 21i machine, without reference switches.

- A) Jog the axis, a distance in excess of 50mm away from the datum position.
- B) Sequence for changing parameter 1815 bit 4 (APZ) to a 0.
- 1 - The control must be in MDI mode , with the program protect key in the horizontal position.
This allows editing of parameters.
 - 2 - press the OFFSET/SETTING button twice to display the setting screen.
 - 3 - set PARAMETER WRITE = 1
 - 4 - press 1 then input
 - 5 - (at this point alarm 100 will be displayed)
 - 6 - press the SYSTEM button
 - 7 - press the PARAM soft key to display the parameters.
 - 8 - page down to number 1815.
 - 9 - use the cursor keys to highlight bit 4 (APZ), for the relevant axis
 - 10 - change this number to a 0
 - 11 - (at this point alarm 000 will be displayed)
- C) Turn the control off and on
- D) Using the handwheel, move the axis to the datum point..
- E) Press the home button, and then relevant axis button.
- F) Set PARAMETER WRITE = 0