Having run, the program will have encountered the Breakpoint at address 6009, and have displayed "Press BREAK for Monitor". Press the BREAK/SPACE key (shifted or unshifted) to access the MONITOR.

the correct byte values to the addresses where the break occurred. The first operation after a Breakpoint should always be to replace

K - Break Restore

This command restores the correct values into the three bytes overwritten by the Breakpoint command.

The screen will show K 6009 and will scroll up one line, displaying the prompt on the bottom line. There is no need to type ENTER. Using the M command, verify that the original codes have been replaced in addresses 6009 to 600B.

Only one Breakpoint can be entered at any time, as there is only enough room to store one address and three data bytes, so a Break Restore (K) command must be executed before the next Breakpoint (B) is defined, and it is recommended that a Break Restore (K) command is keyed immediately after a Breakpoint has been encountered.

If you enter an incorrect breakpoint with the B command, type K immediately afterwards to restore the original values to the incorrect breakpoint address, and then re-type the Breakpoint.

The K command can only restore the last entered Breakpoint.

is working as we expect. Let us now inspect the CPU registers, to make sure that the program

R - Display values in CPU registers

If the prompt is not visible on the bottom line of the screen, type X,

Type R

contents thus: The screen scrolls up, automatically displaying the CPU register

HINGE XXEO	HUMA	cwiji iomb	IR
00004 60004 60004	00000 00000 4	0044 1721 3698 2758	SF5A

There is no need to type ENTER.

As you will see, the Program Counter contains 6009, the address at which the Breakpoint occurred. The BC, DE and HL register pairs will all contain 0000. In this example, these are the only registers that we are interested in.

The CPU registers are displayed with their contents shown in Hex, and the values in the registers are stored in RAM at the addresses shown in Appendix A.

checked, and corrections to the routine, or the register contents can When the MONITOR is entered from a Breakpoint, the values of the memory locations, so that the operation of your routine can be registers immediately prior to the Breakpoint are stored in these be made before continuing.

Breakpoint only take effect after a Jump (J) or Breakpoint Continue (C) command has been executed. Any changes to the CPU register values stored in RAM during a

their correct values, we will now enter another Breakpoint, and Having a) encountered one Breakpoint, b) restored the correct values after the break, and c) verified that the CPU registers have continue the routine.