PREPARING THE M7547 UNIBUS CONTROLLER MODULE

NOTE: This procedure must be performed by trained service personnel or self-maintenance customers.

This procedure describes how to prepare the M7547 controller module for installation in the computer. The controller module may be installed in any small peripheral controller (SPC) slot of the computer backplane.

The controller responds to two addresses as a slave device on the UNIBUS. These addresses are the addresses of the initialize poll register and the starting address register. The installer may change these addresses by changing the address jumpers on the board (Figure 1-5). The base address is the address of the initialize poll (IP) register and the base address plus 2 locations is the address of the status address (SA) register. Additional devices are assigned floating addresses. Example: If the base address or IP register is located at 17774500 (base 8), the SA register is then located at 1774502 (base 8).

The controller module has the following jumpers and switches.

Jumper W51, W61, W401 -- Used by manufacturing -- Do not remove.

Jumpers W1 through W12 -- Address jumpers -- Used to set starting address. The first UNIBUS base address is fixed at 774500 (octal).

Jumper W201 -- Nonexistent memory timeout extend -- With jumper removed, nonexistent memory timeout is extended from 28 nanoseconds to 37 microseconds. Factory setting is installed.

Hardware revision switchpack -- An 8-switch switchpack used to set the hardware revision level of the module. If a switch is pressed on the open side, the switch is off or 0. If the switch is pressed on the opposite side, the switch is on or 1.

Unit number switchpack -- An 8-switch switchpack used to set the TMSCP unit number of the subsystem. If a switch is pressed on the open side, the switch is off or 0. If the switch is pressed on the opposite side, the switch is on or 1.