

Power 3E-200 and Memory Board MM6702CN Acceptance Test

Setup of Power 3E-200

1. No jumpers are installed on Power 3E-200.
2. VxWorks boot is to be changed to the following. Use computer in terminal mode at 9600 baud and com port 1. For the hookup to the processor you will need a 9 pin **male** connector.

```
Boot device           : dc
Processor number      : 0
Host name             : cfsa
File name             : /usr/local/Tornado/target/config/power3e/vxWorks.53
Inet on ethernet (e) : 130.199.104.150:ffffe00
Inet on backpanel (b) :
Host inet (h)         : 130.199.108.45
Gateway inet (g)      : 130.199.104.24
User (u)              : target
ftp password (pw)     :
flags (f)             :
target name (tn)      : cfe-911-cputest
startup script (s)    : /usr/local/Tornado/target/config/power3e/cpuMemTest
other (o)             :
```

Setup of MM6702CN

1. Remove jumper E1.
2. Install jumper E15
3. SW3 (third switch from edge) close all positions.
4. SW2 (second switch from edge) close positions 7 and 8.
5. SW1 (switch nearest edge) close positions 2 through 8.
6. **Install jumpers E14 and E25 to enable batteries only when memory is to be deployed.**

Testing Boards:

1. Install Power 3E in slot 1 and memory board in slot 2 using test VME chassis ACSVME 070 in Lab 1 Test Rack 3. **The last test will setup the ramdisk on the memory board. For this to be permanent the jumpers E14 and E25 must be installed if the board is going to be used in the near future.**
2. Hook network connection to Power 3E-200 with RJ 45 cable.
3. Turn on chassis. VxWorks should start to load. After VxWorks is loaded the test program will start and test the memory on the processor, then the memory on the memory board. As each test is done a message will be displayed saying "done". If many lines are displayed this indicates that there is a problem with that test.
4. Check the two batteries on the board with a DVM. They should read about 3.66 V. If you read zero voltage then the batteries have been shorted and the internal fuse has blown.