

## Chapter 8

### MEMORY COMPATIBILITY TEST

Different memory modules were tested for compatibility. The testing configuration are as follows:

|                  |                                       |
|------------------|---------------------------------------|
| <b>BIOS</b>      | W550MS V1.5B4                         |
| <b>CPU</b>       | AMD®K6/233 MHZ                        |
| <b>Cache</b>     | 512KB (W25P240AF-6)                   |
| <b>VGA Card</b>  | SiS 5597 PCI VGA Card (on board)      |
| <b>Hard Disk</b> | Fujitsu M1638TAU (2.5GB) IDE HardDisk |
| <b>CD-ROM</b>    | Sony CDU-511 16X IDE CD-ROM           |
| <b>FDD</b>       | NEC FD1231H 1.44MB FDD x 1            |
| <b>Mouse</b>     | Microsoft Mouse (PS/2)                |
| <b>PSU</b>       | TIGER TG-2506-C                       |

#### Memory Modules Tested

| <b>Manufacturer</b> | <b>Model Number</b> | <b>Type</b> | <b>Size</b> | <b>Result</b> |
|---------------------|---------------------|-------------|-------------|---------------|
| Fujitsu             | 81117822A-100       | SDRAM       | 8MB         | OK            |
| Fujitsu             | 81117822A-100       | SDRAM       | 16MB        | OK            |
| Hitachi             | 51W18165TT6         | EDO         | 32MB        | OK            |
| Hitachi             | HM5216805TT10       | SDRAM       | 32MB        | OK            |
| Hitachi             | HM5216805TT10H      | SDRAM       | 32MB        | Fail          |
| Hyundai             | HYM5V64804 TFG      | EDO         | 64MB        | OK            |
| Hyundai             | HY57V168010A        | SDRAM       | 16MB        | OK            |
| Hyundai             | HYM7072A801-TFG     | SDRAM       | 64MB        | OK            |
| LG                  | GM71VS17803BLT6     | EDO         | 16MB        | OK            |
| LG                  | GM72V16821BT10K     | SDRAM       | 16MB        | OK            |

| Manufacturer | Model Number           | Type  | Size | Result |
|--------------|------------------------|-------|------|--------|
| LG           | GM72V16821BT10K (ECC)  | SDRAM | 16MB | OK     |
| LG           | GM72V16821BT10K        | SDRAM | 32MB | OK     |
| LG           | GM72V16821CT10K        | SDRAM | 32MB | Fail   |
| Mitsubishi   | M5M4V16S30CTP-12       | SDRAM | 16   | OK     |
| Mitsubishi   | M5M4V64S40ATP          | SDRAM | 64   | OK     |
| NEC          | D4516161G5-A12-7JF     | SDRAM | 8    | OK     |
| NEC          | D4516161G5-A12-7JF     | SDRAM | 16   | OK     |
| NEC          | D4516821G5-A12-7JF     | SDRAM | 16   | OK     |
| NEC          | D4516821G5-A12-7JF     | SDRAM | 32   | Fail   |
| NEC          | D4516821AG5            | SDRAM | 32MB | OK     |
| SEC          | KM44V4104BS-L6         | EDO   | 64MB | OK     |
| SEC          | KM416S1120AT-G10(2*8)  | SDRAM | 16MB | OK     |
| SEC          | KM416S1120AT-G10(1*16) | SDRAM | 16MB | OK     |
| SEC          | KM48S2020AT-G10        | SDRAM | 16MB | OK     |
| SEC          | KM48S2020AT-G12        | SDRAM | 32MB | OK     |
| SEC          | KM48S2020BT-G10        | SDRAM | 32MB | OK     |
| SEC          | KM44S4020AT-G10(4*4)   | SDRAM | 32MB | OK     |
| SEC          | KM44S4020AT-G12(4*4)   | SDRAM | 32MB | OK     |
| TI           | TMX626812BDGECC        | SDRAM | 16MB | OK     |
| Toshiba      | TC59S16016AFT-10       | SDRAM | 16MB | Fail   |
| Toshiba      | TC59S1608AFT-10        | SDRAM | 32MB | Fail   |
| Toshiba      | TC59S1608AFT-10 (ECC)  | SDRAM | 32MB | OK     |
| Vanguard     | VG26V17405CJ-6         | EDO   | 32MB | OK     |

**Note:** Hitachi (HM5216805TT10H) and LG (GM72V16821CT10K) will be unstable.  
Toshiba (TC59S1616AFT-10/TC59S1608AFT-10) generates garbage.  
NEC 16-bit SDRAM (D4516821G5 part number and 97xxLxxxx lot number have many data conflict with the chipset.) NEC declared a new 4th generation 16M-bit SDRAM (D4516821AG5) that don't have this problem .