

AdSpeed ST

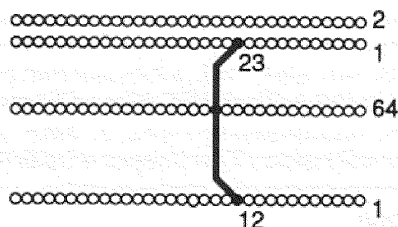


Figure 1

Note: If you removed a Mega CPU daughterboard as described above, you will now need to solder a small (30 gauge is fine) jumper wire on the bottom of your computer's motherboard between pin 12 of the new CPU socket and pin 23 of the Mega expansion connector (figure 1). This is the easiest way to repair a trace that was cut when the daughterboard was installed.

Installing AdSpeed ST

Just plug AdSpeed ST into the newly installed socket. Make sure that the notch on the new 68000 points in the same direction the old one did. That's it.

The High Speed ROM Option

By replacing your TOS read only memory (ROM) chips with higher speed chips containing the same information, you can increase the performance of your computer even more.

In normal operation, the ROM areas of memory are accessed the same way as the RAM areas. Access is restricted to 8 MHz, but the cache is used to speed up execution. The ROMs are not on the MMU/DMA/Shifter system, though, so they can be accessed at full speed. Unfortunately, the ROM chips supplied with the computer are not fast enough to work at 16 MHz. You must copy the ROM information into 70 nanosecond or faster programmable ROM chips to use this option.

Once you have copied this information and replaced the ROM chips, you should change the C & D jumper as described earlier. You should not close the jumper if you have not replaced your ROM. Your computer will crash.