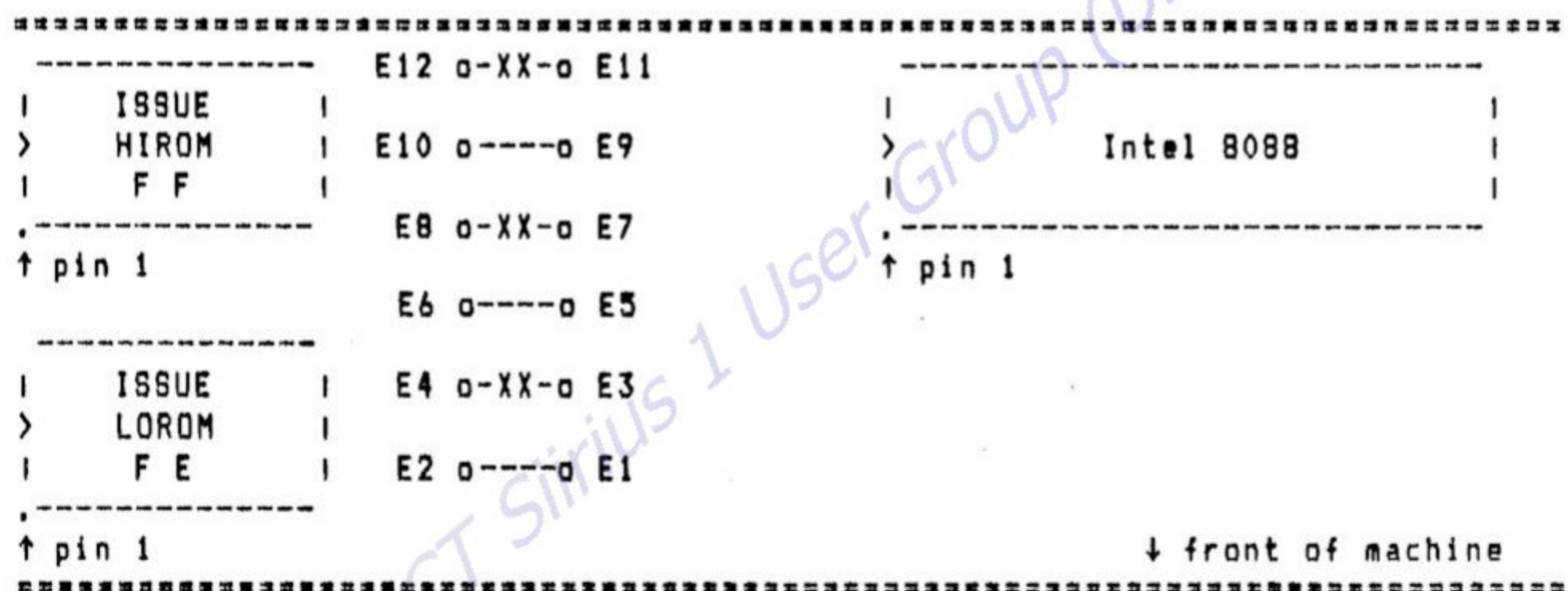# ISSUE ROMS FOR THE VICTOR SIRIUS

The Sirius is fitted with either one 8K or two 4K Boot ROMs. Issue ROMs come in the form of two 4K ROMs since direct replacement 8K ROMs are not available. Installation is quite straight-forward but if only one ROM is currently fitted in the machine about 10 mins. soldering is required. If you are not adept at soldering, find a friend who is or take the disassembled machine (less power supply) to a reputable TV repair shop who will almost certainly be willing to perform the task for a nominal fee.

INSTALLATION INSTRUCTIONS: Turn off the computer. Disconnect and remove the monitor. Remove all connections at the rear. Remove the back panel by unscrewing the four retaining screws and lay the back panel forward. Slide the Sirius top cover towards the rear of the machine and remove, taking note that the ventilation slots lie to the front of the machine.

Remove all expansion boards from the slots at the right. Disconnect the Disc Chassis Assembly power connector at the extreme left of the DCA, then take a screwdriver and gently disconnect the 50 way ribbon connector at the rear of the DCA, optimally by prising at the ends of the connector. Finally, gently pull free the loudspeaker connector just behind the front panel. Leave all other connections intact.

With a cross-point screwdriver, remove the five screws (two at each side and one behind) securing the DCA to the main chassis. The DCA can now be completely removed. Having removed the DCA, the existing ROM(s) will be visible close to the 8088 microprocessor. Remove the ROM(s) by gently prising with a screwdriver between ROM and socket. If only one ROM has to be removed, some conversion is required.

IF ONLY ONE ROM WAS FITTED, to the right of the ROM sockets are 3 traces on the motherboard PCB which have to be cut and 3 links which have to be soldered before the machine can accept two ROMs. CUT links E11-E12, E7-E8, E3-E4 and MAKE links E9-E10, E5-E6, E1-E2 as shown below. The most appropriate tool for cutting the traces is a scalpel. A fine (electronic) soldering iron should be used with tinned copper wire and rosin core solder to bridge the links.

```
========================================================================
 ----------------     E12 o-XX-o E11    -------------------------------
|     ISSUE      |                     |                               |
>     HIROM      |    E10 o-----o E9   >        Intel 8088             |
|      F F       |                     |                               |
.----------------      E8 o-XX-o E7    .-------------------------------
↑ pin 1                                ↑ pin 1
                      E6 o-----o E5

 ----------------
|     ISSUE      |     E4 o-XX-o E3
>     LOROM      |
|      F E       |     E2 o-----o E1
.----------------
↑ pin 1                                 ↓ front of machine
========================================================================
```

IF TWO ROMS WERE FITTED, or if the conversion from one ROM has been completed, fit the new Issue ROMs as shown above. Take care to ensure that each ROM is inserted into the correct socket, that pin 1 of each ROM is to the left of the machine and that no pins are sitting outside of the sockets. If all is correct, reassemble the machine and remake all connections.

If these instructions have been followed correctly and proper operation is not obtained, check the installation procedure once again. Defective ROMs are very unlikely to be the cause of malfunction, and in any case a bad ROM would be reported to the parallel printer port. However Issue can be contacted at either of the addresses shown below.