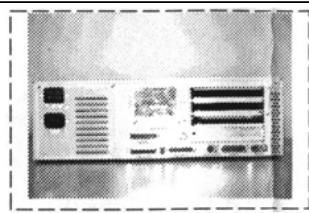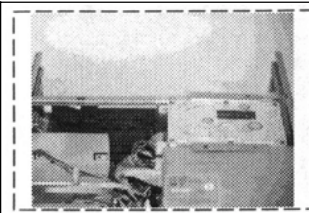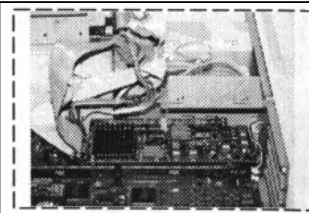**STEP 1.**
Check your X-Calibur box content.
- Installation floppy disk
- X-Calibur board
if 33MHz - 33 MHz 68040 CPU
- Fan sink
- Cristal+ socket
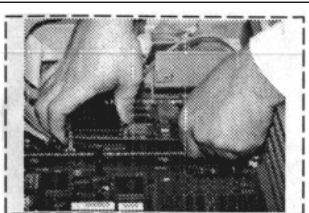if 25 MHz - CPU heatsink clip

STEP 2.
Disconnect all cables of your A4000.

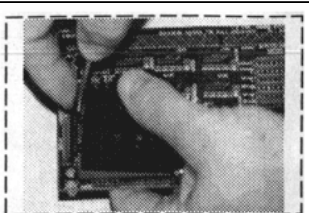Check for the 2 screws at the back of your A4000, there located at the opposites top corner.

STEP 3.
Remove the 2 screws.
Remove the A4000 cover.
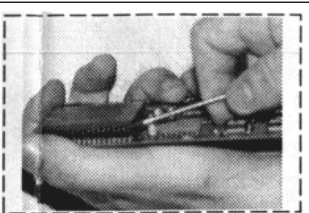Get a safe area to put your parts as you will need them to reassemble your A4000 later!

STEP 4.
- Remove the 4 screws holding the Hard disk. And then the HD.
- Remove the longitudinal bar. (2 screws)
- Remove all add on cards.
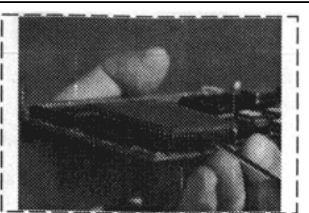- Remove expansion card holder.

STEP 5.
- Remove the 68040 daughterboard.
Start from one corner and apply pressure to remove it then proceed until the 4 corners are completed.
Leave the plastic poles on the main board as reinstallation will be easier.
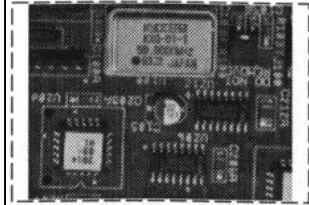
STEP 6.
- Remove the heat sink.
Use a small screwdriver to ease out the heat sink spring; **be cautious for your eyes** as those springs are quite sturdy! **Put your and between your eyes and the spring.**
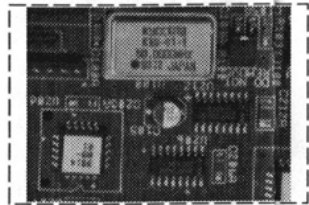
STEP 7.
- Start removing the 68040 CPU.
Use a small flat screwdriver and gently lift one of the CPU corner, proceed slowly as you do not want to bend some pins.
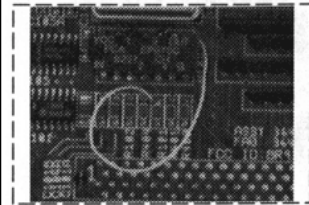
STEP 8.
Proceed from one corner to the next and slightly lift the CPU as you go. At some point it will all be released, place it gently on a safe area.
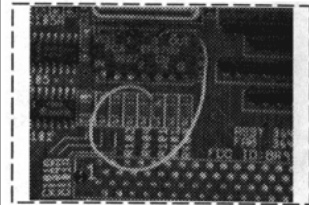
STEP 9. (33 MHz Only)
- Locate the 50MHz cristal.
- Desolder the 4 cristal pins.
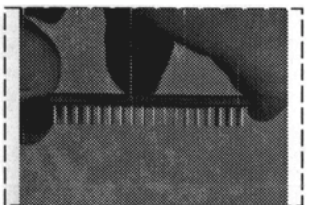**(Use extreme caution, you do need an excellent soldering iron, consult a well equiped technician.)**

STEP 10. (33MHZ only)
- Now place the cristal socket.
- And solder it.
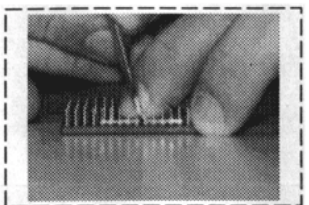- Pin 1 is represented by the dot, place the 66 MHz cristal.

STEP 11. (33 MHz only)
- Locate the electronic delay chip.
- Cut the pin2 connection.
(Be cautious to only cut this connection, please consult a **technician.)**
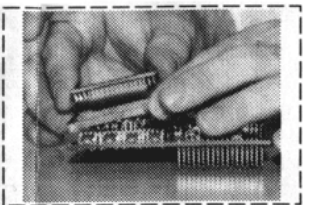
STEP 12. (33 MHz only)
- Solder pin labelled "OUT" to the R101 side, the side nearest to the cristal (see picture).
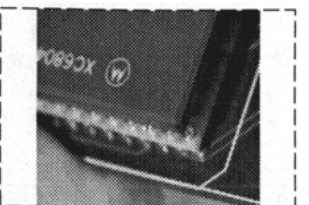Thats all there is to it!

STEP 13.
- Check CPU pins
As shown on the picture look at the pins to see if there all aligned. Look from two succeeding sides.
If everything is right go to step 15.

STEP 14.
- Fix pin(s)
If a pin is slightly bend just use a small flat screwdriver to unbend it.
If badly bent you will also need a long nose plier, proceed slowly and all should go well. Before going to step 15 got to step 13 again.
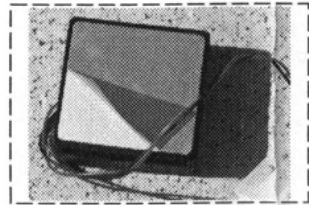
STEP 15. (25 MHz only)
- Put plastic cpu clip.
This clip will allow the support of the heatsink, it is not needed for the 33MHz.
The clip goes in between the CPU and the daugtherboard socket.

STEP 16.
- Put the CPU in position in respecting the pin 1 position. Pin 1 is the golden corner on the CPU and correspond on the cut angle white corner on your X-Calibur.
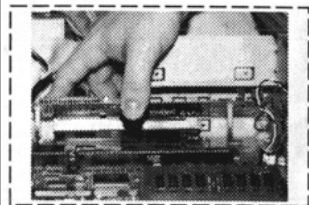See the picture.

STEP 17.
- Press the CPU from the center and then press each side. Be sure not to bend the connectors pins on the other side of your X-Calibur.
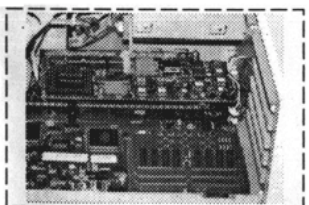
STEP 18.
- Remove the blue plastic of the fan.
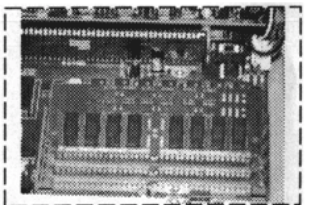- Align the fan so that it will cover the CPU on all the surface.

STEP 19.
- **Never press the center you could damage the fan.**
- Press the fan on all the corners.
- Then press all sides.
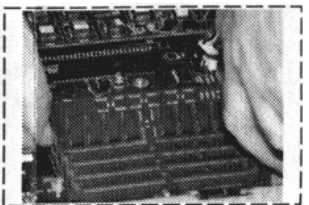- Redo the 2 previous lines a few times for good glue contact.

STEP 20.
- Put the 68040 daughterboard back.
- First align the 200 pins connector and press it gently, thenproceed to press all of the 4 plastics pins in.
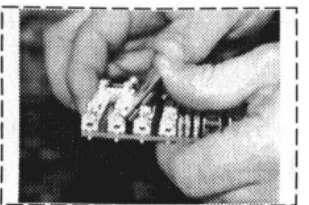- Make certain it is firmly in.

STEP 21.
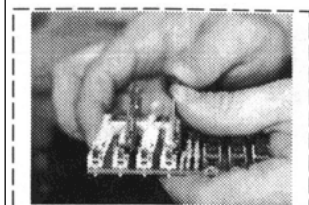- The daughterboard in should look like on this picture.

STEP 22. (25 MHz only)
- Locate Amiga fast memory.
- The rightmost chip is chip RAM it has to stay there.
- The other chip(s) should be moved to the X-Calibur. (At 33MHz you will need 60 ns memory, so you will have to sell the actual 80 ns ones!)
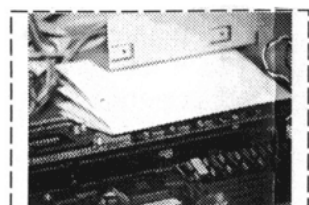
STEP 23.
- Remove A4000 memory.
You just have to release the 2 plastics clamp at both ends of each chip. **Proceed with caution because they are fragile.**
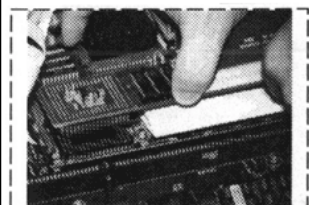
STEP 24.
- Insert X-Calibur memory.
The X-Calibur has 2 banks of two chips pair. They are 1 and 3, then 2 and 4. Both chips in a pair have to be of the same speed and preferably the same brand. **You install the last module first at 45 degree.**
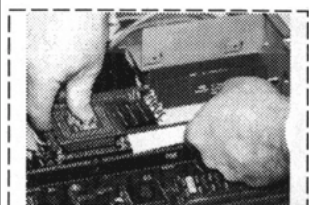
STEP 25.
- X-Calibur memory (continue).
You then bring it to 90 degree, and then proceed to the next module until there all installed. **Make sure there all well seated in their socket before proceeding to the next one.**

STEP 26.
- Insert a piece of paper between the 68040 daughterboard and the coming X-Calibur, in order to avoid possible contact. That should not happen but better safe than sorry. In any case it would not damage neither your A4000 or the X-Calibur. But it wouldn't boot

STEP 27.
- Moving the X-Calibur in.
Check the CPU connector pins as in step 13 and 14.
Just align the CPU connector pins and displace any cable that could be in the way. Make sure the board is well aligned then proceed to the next step.
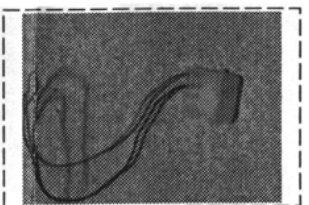
STEP 28.
- Push the X-Calibur in.
It should not offer a big resistance, if it seems to do that then check your connector pins and go back to step 27.

STEP 29.
- Try your A4000.
Notice that only your 2Mb chip memory should be there as our software is not installed yet.
If it does not boot, check the previous steps, if you do not find any visible mistake then contact us at RCS.

STEP 30.
- Install X-Calibur software
Please consult the readme file on the disk for any changes.

STEP 31.
- Assemble back your A4000.
If you have a 33MHz, do not forget to connect the fan to the power supply!

STEP 32.
-ENJOY!!!

- And thanks for buying an RCS product.

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