

# IIE Enhancement Kit

First open the Apple IIE so you can see the Motherboard. Be sure the computer is off, but leave it plugged in. There isn't any risk of electric shock, but it will reduce the possibility of static that could damage your kit or computer.

You'll need to locate the CPU, the CD, EF and Video ROMs on your Motherboard in order to replace/upgrade them.

Let's start with the CPU. It's the long 40 Pin chip with 6502 written on it. Looking at your Motherboard it's just below Slot 3 and the Motherboard may also be marked with 'CPU' written on it by the chip. Make a note of the 'notch' or indent on one end of the chip. This tells us where Pin 1 is. If you put the chip in backward you will damage it!

First touch your Power Supply to discharge any static that may be on your person. Make sure to do this before touching any chips or the Motherboard. The more often you touch the Power Supply the better! Using constant contact is the best option if possible. Using a small screwdriver or prying device remove your CPU and install the new one. You may want to lay something, like paper or cardboard, on the Motherboard to prevent any damage when prying the CPU loose. Be sure to pry on the chip and not the socket. Sometimes it can be hard to tell if you have the screwdriver in the correct location. Make sure the notch on the new CPU is oriented in the same direction.

Now we need to locate the Video ROM. It's the smallest of the chips in your kit. You'll find it on your Motherboard just a few chips below your CPU. Follow the line of chips from the CPU towards the keyboard. You will see the Video ROM at the very end of the Motherboard. The Motherboard may also be marked with VIDEO written on it by the chip. Make a note of the 'notch' or indent on one end of the chip. This tells us where Pin 1 is. If you put the chip in backward you will damage it!

Using the same method as before, carefully remove the Video chip and install the new one.

Now we need to locate the CD and EF ROM's. On the right hand side of the Motherboard you'll see two chips that are the same size as the two remaining chips in the kit. The Motherboard should also be marked with CD and EF on it.

Using the same method as before, carefully remove the ROM chips and install the new ones.

Before you put your computer back together, double check that all the notches on all the new chips are pointing in the SAME direction as all the other chips on the Motherboard. If you put one chip in backwards you will damage it and this is the last time you will be able to check for any mistakes before it's too late!

Finally, there is the 'Enhanced' sticker if you wish to install it over your keyboard power light (left of the space bar). You have a couple options with this however. You can fully remove the old cover or just lay the sticker over the old cover. If you remove the old cover you will find the light will be most bright under the sticker. However you may want to cut a small hole in the sticker and see how that works. Another solution would be to remove the old cover, and using a green marker, draw on the bottom of the sticker. You could also just cut the 'Enhanced' word off and use that. Whatever you decide we have included 2 stickers for you to experiment with.

Congratulations, you're done! Make sure to keep your original chips in a safe, static free place.

Be sure to visit our Wiki for any install or support questions that you may have:

[http://reactivemicro.com/wiki/Apple\\_IIE\\_Enhancement\\_Kit](http://reactivemicro.com/wiki/Apple_IIE_Enhancement_Kit).

Thanks again for purchasing the IIE Enhancement Kit!



Revised: 2017-08-09