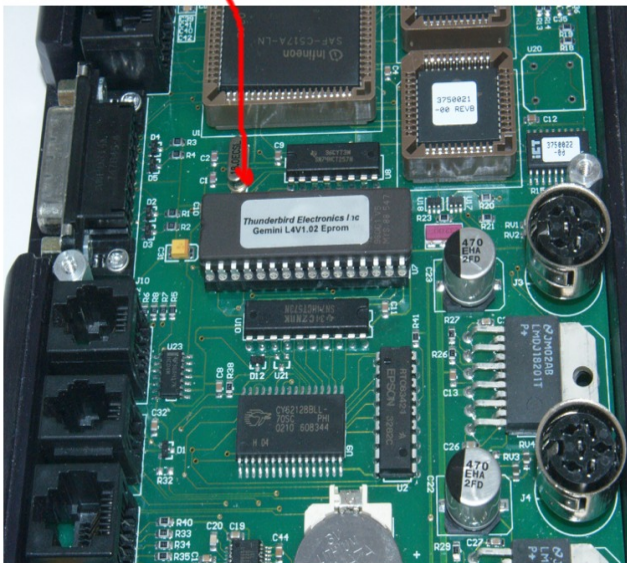# Hints for replacing the EPROM

Remove these screws

Eprom inserted in Socket

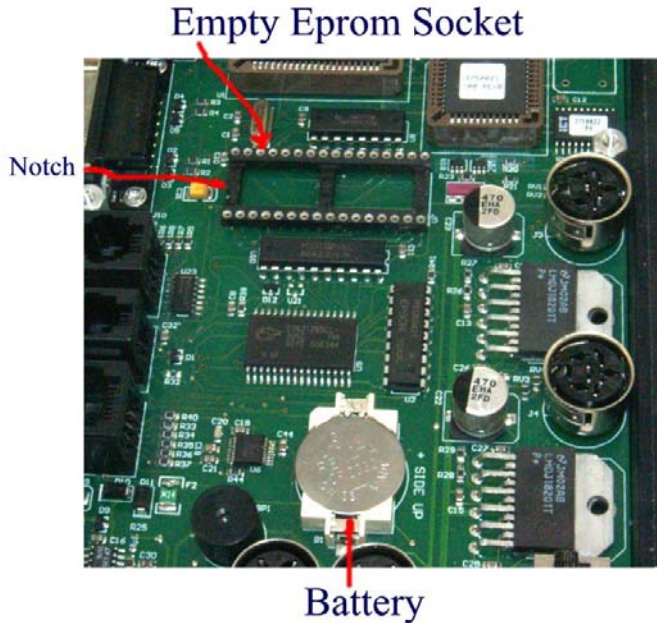Disconnect all cables (including power) from the Gemini.

Remove the cover (1/16" Allen wrench needed), see picture above.

Touch the water pipe or something metallic connected to the ground before replacing the EPROM, or better yet use a Static Grounding Strap.

The EPROM is in a socket in the Gemini, you need a screw driver (around 5 mm) to insert it between the socket and the EPROM **(NOT between socket and board!)** and gently lever it up from the left and right side by turning the screw driver slowly. It comes out easily. See Picture above right.

Hints for replacing the EPROM

Save the old chip, it can be erased with UV light and reprogrammed many times.

Unpack the new EPROM and plug it into the socket. **The direction is MOST important!** Look at the notch at the small side, there is also a notch printed at the silk screen of the printed circuit board, to the left side. They must correspond to each other. The pins of the Level 4 EPROM are spread a little. This is the way they come from the factory. You need to gently bend them in. This is easy done by putting the pins on a table and appling pressure to the EPROM. Do this to both sides. Don't use force if they do not fit into the holes immediately, use your finger nail sliding along the pins to get all of them into the socket.

Once all pins are in their respective holes, press the EPROM with both thumbs into the socket. Again, not much force is needed!

Check again if the notches of EPROM and silk screen print are on the same (left) side!!

Please **REMOVE the CMOS Battery** for 15 Minutes then replace it. This clears the CMOS memory

Close the cover, and replace the six screws.

Check if the Gemini boots up by connecting the power cord (and the DeLuxe HC if no display is onboard) and switching the unit on.

Look at the startup message. The EPROM Level/Version/Serial Number is displayed. Depending upon your previous software version, "CMOS resetting" may be appended. If not, please use the Gemini's Setup-Restore Defaults to change the setting to their default values and initialize the internal pointers of the User Catalog and the log.

Input your setup values. You can use the Gemini Control program to do this.

If you are not using the Losmandy G11, set up your mount and teach in the Safety Limits.

The Level 4 version is quite different than Level 3, Please review the Level 4 manual.