

Sequential Circuits Prophet 5 Rev 3.3 “Memory Liberator” Installation Bell Tone Synth Works

This version of the mod only works on Rev 3.3 Prophet 5s! If you have a different revision, you will need our other version of the mod.

You can be sure your unit is Rev 3.3 if it 1) has a Sequential Circuits official MIDI board and/or 2) has a modification on the CPU board, near all of the big ICs (EPROMs, RAM and CPU) where an IC has been mounted on top of another with a bunch of short wires connecting them.

The modification described above is called “the ugly mod” by Sequential and it is where you are going to be connecting the wires for the Memory Liberator board.

Note: You will lose whatever saved patches your synth might have on it when you upgrade the memory with our Memory Liberator board. If you want to save them, back them up using Sysex or the cassette interface and you will be able to reload them later.

You will need:
the mod board provided by us
3 short pieces of wire

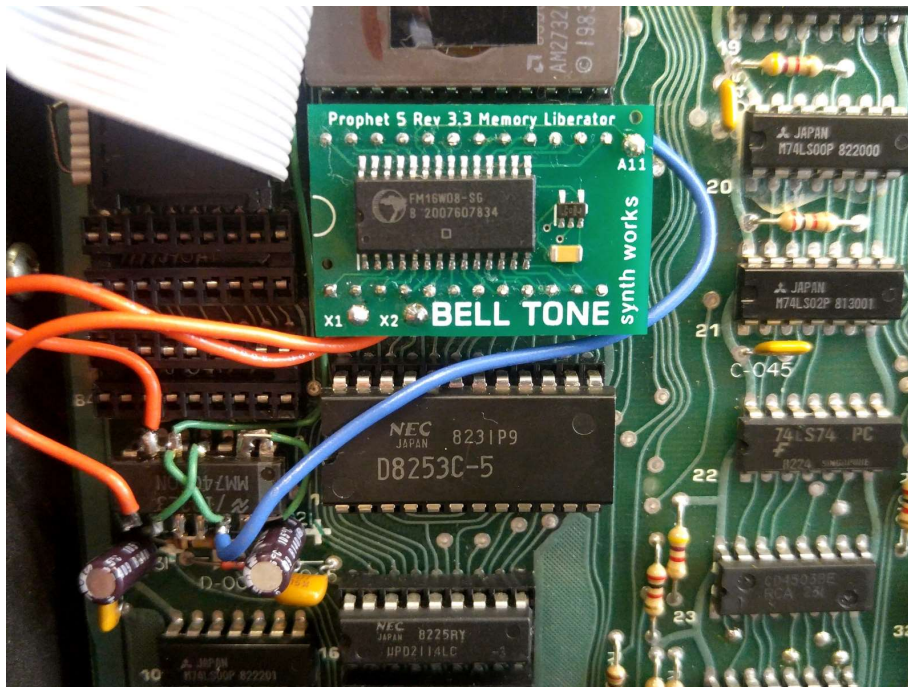
All of these steps will be performed on the CPU board, known as PCB 3, which is the furthest left PCB of the synth when you have the synth in “Service Position.”

Installation Steps

Remove the battery from the CPU board. The synth will no longer need a battery.

Remove the old RAM chips: U314, U383 and U384.

The “Ugly Mod” is directly below U384.



Carefully tack-solder two new wires to the ugly mod IC (**known as U387**) at pins 6 and pin 8 (orange wires in photo). Be careful not to disturb the connections that have already been made on U387. Solder one of these wires to the “X1” pad on the Memory Liberator board and the other to “X2.” It doesn’t matter which is which.

Add another wire from pin 12 on U387 to the pad labeled “A11” on the Memory Liberator board (blue wire).

Insert the Memory Liberator board into the empty socket left behind when U314 was removed, with the half-circle divot on the silkscreen facing to the left as seen in the photo.

So, here’s a summary of the connections you need to make to the Memory Liberator board.

U387-6 ----> X1 or X2

U387-8 ----> X1 or X2

U387-12----> A11

That’s it!

You can now reload the factory patches or any that you have backed up.