

Here are the PRO-46 mods: HYPER-SPEED:

For a speed up of about 80%, locate the ceramic resonator (Y-201) and remove it. It is delicate so if you think you might want to undo the mod be careful. The resonator is marked 800J. Simply replace the resonator with a crystal. The crystal used can be ordered from Radio Shack. I don't have a specific value for the crystal, but typically it's 14-16 MHz. A too high value will cause the scanner's keyboard to lock up.

READ ME!

I have actively verified these mods, but do them at your own risk, and any information you add will be integrated and appreciated.

Modifying your radio is legal, but listening to CMT is not! (?) Modifying your scanner will probably void your warranty. Plan to undo your work if needed.

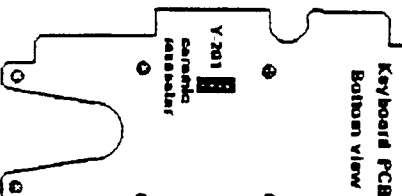
BEEP DELETE

Personally, I like the confirmation that comes with the keyboard beep, but others tell me they don't want it. To remove it, find pin 80 on the logic ICU, IC 1489. as in the drawing, pin 80 will be the first pin on the left of the chip, counting up from the diagonally cut corner. Follow the trace from there to L201. At a convenient place, cut the trace with a VERY sharp razor knife. With a little creativity, a switch could be added across the cut, allowing an on-off option.

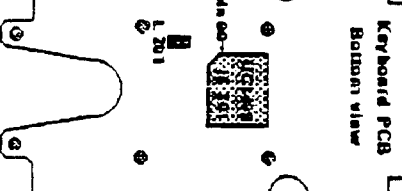
RESTORE CMT

To put back in the missing 800 part of the scanner, find the two surface mount jumpers (marked "0" at the right edge of the board, and carefully unsolder them (you'll need at least one good one!) to the left you will see two sets of empty solder pads. The upper set is where you solder one of the jumper chips. The lower set of pads will restore 68 to 88 MHz. If you lost both jumpers, the pads can be "wire jumped", but be sure that your jumper is insulated from the crossed trace.

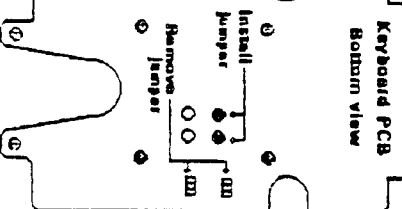
HYPER-SPEED



BEEP DELETE



800+ CMT



TO DISASSEMBLE the PRO-46, remove the

antenna and battery cover, and the four black Phillips head screws. The back is latched from the bottom up and must be gently pried open. The case screws are all that hold the "top" board in place, but there is a connector at the right edge just below center that must be separated carefully. The RF shield over the keyboard components is a copper coated laminate, so, avoid too much heat while soldering...