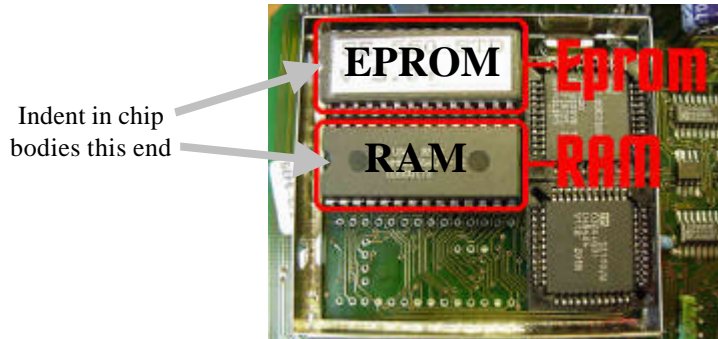
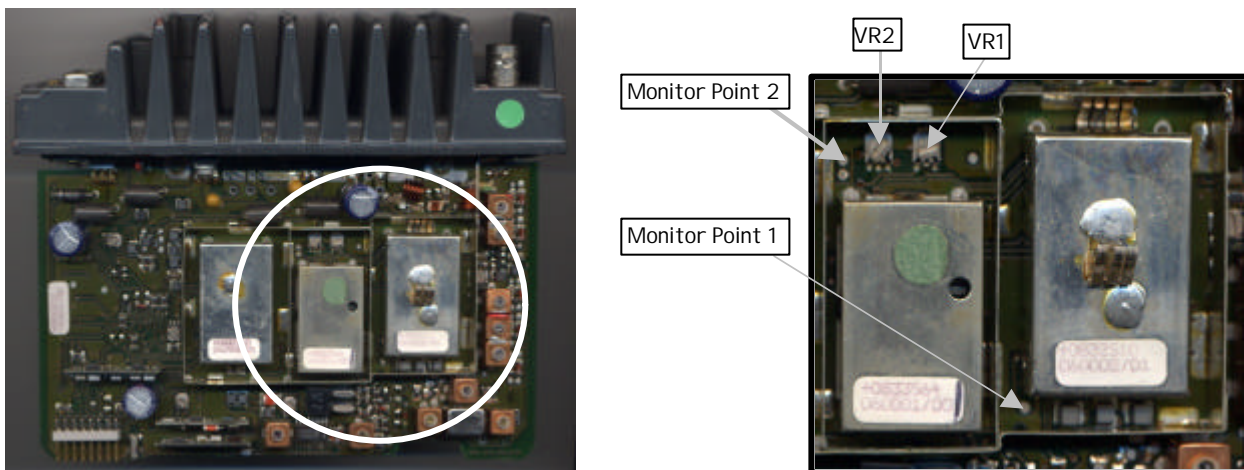


ASCOM SE-550 PA4DEN Firmware Upgrade Installation Instructions

Dismantle the unit (See Note below). The EPROM (marked v4.02) is located in the screened enclosure on the Control Unit. Remove it and replace with the PA4DEN EPROM, ensuring it is the correct way around. Also remove and replace the RAM chip to clear its contents.



Fit the Control Unit, RF Unit and Front Panel back together WITHOUT the outer metal sleeve. The unit can then be powered up to make the following adjustments to the VCO tracking. If it doesn't power up then check that the new EPROM is fitted correctly in its socket - no pins bent under the body.



Now to adjust the VCO tracking :

Set the radio to 70.400.000MHz (Key in **7 0 4 0**.....)

In Rx mode, adjust VR1 for 5.0V at Monitor Point 1.

In Tx mode (don't forget the dummy load !), adjust VR2 for 5.0V at Monitor point 2.

(Before adjustment, both of these will probably be up at 8V or more)

Re-assemble the radio.

And that is it.....

Note : Dismantling the radio - Remove the code plug from the Front Panel (top right above the microphone socket) revealing a hex head bolt - remove the bolt. Lift off the Front Panel to reveal the Control Unit. Remove the 4 cross head screws from each corner and withdraw it from the outer metal sleeve. Remove the 4 cross head screws from the rear heatsink and withdraw the RF unit from the outer metal sleeve.