

PACE 8010/8015 (MM55107 - PLL)

.... OR

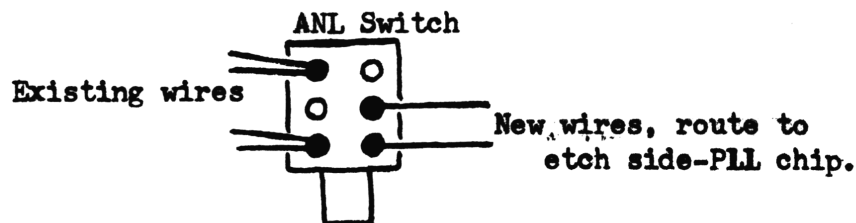
How I made a quick \$402 "PROFIT" off SECRET C.B.
by: P.R.

Had a customer requiring 4-AM units with "lower" frequencies in the 26.7--MHz range. Conditions of sale were: all identical units, No extra switches, P.A. functional, and 2 year warranty-limited! Price not to exceed \$500; excluding antennas, external P.A. horns, and installation.

In one weekend I found 6-PACE 8010's at flea market/yard sales, and after haggling had only \$48 tied up in them. Usual problems: protector diodes, finals, audio chip, mike cables; only real trouble was making brackets for mounting. Repair and clean-up of all 6 units cost me another \$35.

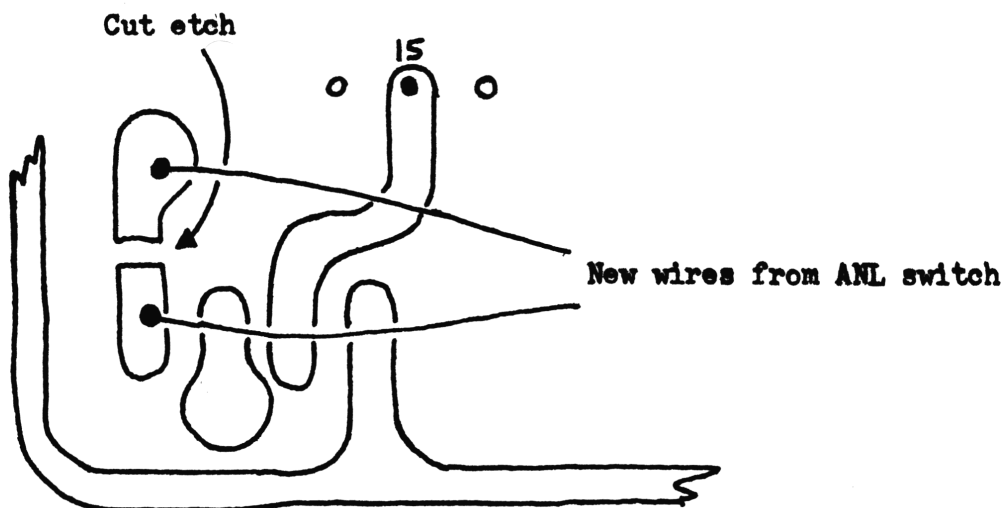
Getting it to go down was a B----! Gave up and contacted "Custom Conversions"....--said I had the right pin, but wasn't isolating it correctly. Obtained skematic/parts locator/PLL logic codes, and other "tips/hints" on unit. (Also permission to write-up for SCB). Pin-10 of PLL is down conversion; was breaking etch in wrong place; is fed under the chip by another line! Had it up and running in 10 minutes flat... I utilized the ANL push-button for conversion.

Remove following wires from ANL ONLY, leave the others-are used as a tie point-not in circuitry: Green-remove-trace to PCB, remove. Yellow (both)-remove-solder/splice together and sleeve. If you want ANL off, solder the Yellow's to Green. Follow diagram below and re-route the new wires to etch side near PLL chip..



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Follow diagram below for PLL chip etch modification:



That's all there is to it...actually the fastest and simplest mod., I've ever done! For maximum broadband coverage PLL and RF coils will have to be realigned slightly. Also all the transistor insulators should be changed to 'Mica' type. For 'beefing/mod. increase' the following also: Remove R218, R215A, C216.. Change to 1/2W; R207, R208.. Change C205 to 3.3Mfd/50V.. For better noise limiting change C125 to 3.3Mfd/50V, or higher value, but be careful of audio loss...

Frequency is as follows with the ANL switch in....per selector..

26.695MHz...5	26.845MHz...17
26.705 6	26.855 18
26.715.....7	26.865.....19
26.735 8	26.885 20
26.745.....9	26.895.....21
26.755 10	26.905 22
26.765.....11	26.915.....24
26.785 12	26.925 25
26.795.....13	26.935.....23
26.805 14	26.945 26
26.815.....15	26.955.....27
26.835 16	

I made a quick \$402 profit with 2 spares put up in plastic bags for the warranty - which I doubt will need.

WHO SAY'S SECRET C.B. DOESN'T PAY !!!!!