

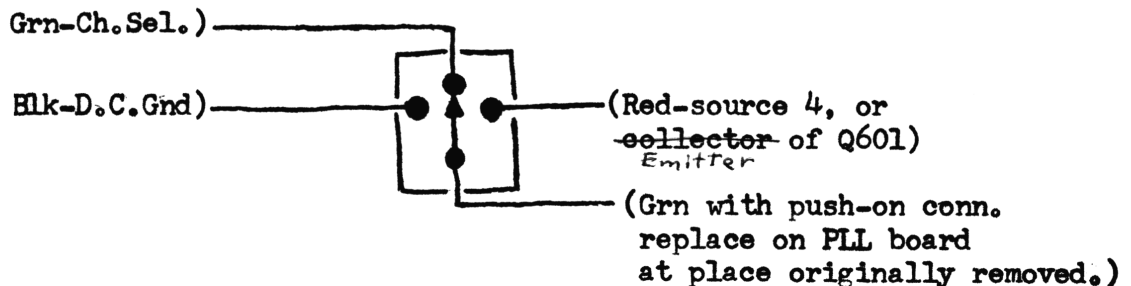
M58472P PLL Chip Modification

This PLL chip isn't too versatile, and used in only about 10 units. Known are following: GE- 3-5801A/5800A/5810A/5821A/5871A; Teaberry-Racer 'T', 'T' Charlie; Channel Master- CB6830/6834/6835.

Unit used for this modification was: GE 3-5801A S/N:01084XXX (SAMS-144) Chassis has PLL circuitry on a raised/separate PCB, mounted up off the main PCB. No problem on this modification-unless radio is busted to start with. Quick-ie Line-up in case you don't have SAMS: VR1-AGC, VR3-Sq Rng, VR4-RX Mtr, VR7-AMC (limiter-C507), VR5-TX Mtr...If you have to align PLL-get SAMS. RX-align in this order:T304, T303, T302, T301, L103, L102, L101. TX-peak, L901, L903, L905.

In this unit the ANL switch is utilized for modification. Remove R513; and replace with solid buss wire; this enables the ANL permanently. The ANL switch and wires can all be removed now. Obtain a 3 pole - 3 position switch, preferably a slide type that will fit perfect into position on the front panel.

Remove the Green wire from pin on PLL board, trace to selector and unsolder carefully. Replace with 7" piece of Green wire-soldered to selector switch where other removed, solder other end of wire to center pole of switch. Solder Green wire with slip-on connector to wiper of the switch. Solder a Black 7", and Red 7" piece to other poles of switch, install switch into panel-make sure that the black wire side is to the left in relation with panel front. (See below).



Wire up per above drawing the remaining wires...cut all wires to length.

Middle position on switch-normal C.B. frequencies.

Left position on switch-NEW frequencies only per selector:

Selector pos. 12	- 26.945MHz
13	- 26.955
16	- 26.995
20	- 27.045

Right position on switch-NEW frequencies only per selector:

Selector pos. 3	- 27.145MHz	32	- 27.485MHz
7	- 27.195	33	- 27.495
23	- 27.415	34	- 27.505
26	- 27.425	35	- 27.515
27	- 27.435	36	- 27.525
28	- 27.445	37	- 27.535
29	- 27.455	38	- 27.545
30	- 27.465	39	- 27.555
31	- 27.475	40	- 27.565

This is just about all the chip is capable of unless you want 26.935 (Pin 3 of PLL - Blue wire, break line and will have at 23 of the selector position).