

CENTURION PLL

1. HOW TO SHIFT THE CHANNEL FREQUENCY ON THE CLARIFIER CONTROL ON TRANSMITTER MODE.

- A. The channel frequency will be shifted each side (plus & minus) 1.5KHz by the clarifier control.
- (1) Eliminate D39 (1S2473).
 - (2) Remove R119 (220 OHM) from the P.C.B., and connect a 100 OHM $\frac{1}{2}$ watt resistor between the cathode side of D36 (WZ061) and the junction of D48, C103, and C104.
- B. In addition to the above mentioned, the channel frequency will be shifted for minus 4.5KHz by the clarifier control. In other words, frequency will be shifted plus 1.5KHz, minus 4.5KHz.

GLADIATOR PLL

1. HOW TO SHIFT THE CHANNEL FREQUENCY BY THE CLARIFIER CONTROL ON TRANSMITTER MODE.

- A. The channel frequency will be shifted each side (plus & minus) 1.5KHz by the clarifier control.
1. Eliminate D30 (1S2473).
 2. Remove R116 (220 OHM) from the P.C.B., and connect a 100 OHM $\frac{1}{2}$ watt resistor between the cathode side of D36 (WZ061) and the junction of D48, C103, and C104.
- B. In addition to the above mentioned, the channel frequency will be shifted for minus 4.5KHz by the clarifier control. In other words, frequency will be shifted plus 1.5KHz, minus 4.5KHz.
1. Short circuit RT16 and RT18, and omit RT17.

FANFARE 350/SPARTAN PLL

1. HOW TO SHIFT THE CHANNEL FREQUENCY BY THE CLARIFIER CONTROL ON TRANSMITTER MODE

- A. The channel frequency will be shifted each side (plus & minus) 1.5KHz by the clarifier control.
1. Eliminate D24 (1S2473).
 2. Remove 61 (100 OHM) from the P.C.B., and put it on between the cathode side of D26 (WZ071) and the conjunct position of D32 & R106 at bottom side of P.C.B.
- B. In addition to the above mentioned, the channel frequency will be shifted for minus 4.5KHz by the clarifier control. In other words, frequency will be shifted plus 1.5KHz, minus 4.5KHz.
1. Short circuit R132 and omit R60.

FREQUENCY
of OPERATION
USING 11.1125
CRYSTAL (MHz)

CHANNEL
READOUT
INDICATION

FREQUENCY
of OPERATION
USING 11.2858
CRYSTAL (MHz)

26.965	1	27.485
26.975	2	27.495
26.985	3	27.505
27.005	4	27.525
27.015	5	27.535
27.025	6	27.545
27.035	7	27.555
27.055	8	27.575
27.065	9	27.585
27.075	10	27.595
27.085	11	27.605
27.105	12	27.625
27.115	13	27.635
27.125	14	27.645
27.135	15	27.655
27.155	16	27.675
27.165	17	27.685
27.175	18	27.695
27.185	19	27.705
27.205	20	27.725
27.215	21	27.735
27.225	22	27.745
27.255	23	27.775
27.235	24	27.755
27.245	25	27.765
27.265	26	27.785
27.275	27	27.795
27.285	28	27.805
27.295	29	27.815
27.305	30	27.825
27.315	31	27.835
27.325	32	27.845
27.335	33	27.855
27.345	34	27.865
27.355	35	27.875
27.365	36	27.885
27.375	37	27.895
27.385	38	27.905
27.395	39	27.915
27.405	40	27.925