

Formac 240 (IC7120-PLL)

by B.W.

Schematic for this unit is on page 55, use it for reference!

This chassis will cover 200 channels; circuitry traces are on PCB;

additional parts and 5 position switch are all that is needed.

I 're-manufactured' 8 of these units for customer in Ecuador.

New frequencies were 26.965-29.210MHz. By realigning the capacitance of crystal (example: X2) with CT3 and C65, can vary a complete section of 40 channels.

The following crystals will give the frequency bands:

14.01 - 25.165-25.605	16.71 - 27.865-28.305
14.46 - 25.615-26.055	17.16 - 28.315-28.755
14.91 - 26.065-26.505	17.61 - 28.765-29.205
15.36 - 26.515-26.955	18.06 - 29.215-29.655
15.81 - 26.965-27.405	18.51 - 29.665-30.105
16.26 - 27.415-27.855	

Alignment/adjustments are as follows: Two (2) VR3's are on the PCB!

VR3 next to R145 location is for FM deviation. VR1-TX Mtr, VR9-RX Mtr, VR6-Mid RF Pwr level, VR7-Low RF Pwr Level, VR8-Sq Range, VR3-Low Pwr Modulation, VR4-Mid Powr Modulation, VR5-Hi Pwr Mod. RX...LT12, LT13, LT14, LT15, LT16, and LT17. TX....LT8, LT7, LT4, LT3, and LT2 (be careful with any glued slugs!).

LC 7120  
SuperStar 1700 - (IC7120-PLL)

Basically this is identical to the TRISTAR 727, but comes in two different Fo Ranges: 1700B - 26.965-28.305MHz. 1700S - 26.515MHz to 27.855MHz. Make sure which one you are getting ahead of time.

~~See volume 19, pg. 30 for alignment.~~

Delete

1700B

ANT FREQUENCY (MHZ)							
CH	Low Band	Mid Band	Hi Band	CH	Low Band	Mid Band	Hi Band
1	26.965	27.415	27.865	21	27.215	27.665	28.115
2	26.975	27.425	27.875	22	27.225	27.675	28.125
3	26.985	27.435	27.885	23	27.255	27.705	28.155
4	27.005	27.455	27.905	24	27.235	27.685	28.135
5	27.015	27.465	27.915	25	27.245	27.695	28.145
6	27.025	27.475	27.925	26	27.265	27.715	28.165
7	27.035	27.485	27.935	27	27.275	27.725	28.175
8	27.055	27.505	27.955	28	27.285	27.735	28.185
9	27.065	27.515	27.965	29	27.295	27.745	28.195
10	27.075	27.525	27.975	30	27.305	27.755	28.205
11	27.085	27.535	27.985	31	27.315	27.765	28.215
12	27.105	27.555	28.005	32	27.325	27.775	28.225
13	27.115	27.565	28.015	33	27.335	27.785	28.235
14	27.125	27.575	28.025	34	27.345	27.795	28.245
15	27.135	27.585	28.035	35	27.355	27.805	28.255
16	27.155	27.605	28.055	36	27.365	27.815	28.265
17	27.165	27.615	28.065	37	27.375	27.825	28.275
18	27.175	27.625	28.075	38	27.385	27.835	28.285
19	27.185	27.635	28.085	39	27.395	27.845	28.295
20	27.205	27.655	28.105	40	27.405	27.855	28.305

1700S

ANT FREQUENCY (MHZ)							
CH	Low Band	Mid Band	Hi Band	CH	Low Band	Mid Band	Hi Band
1	26.515	26.965	27.415	21	26.765	27.215	27.665
2	26.525	26.975	27.425	22	26.775	27.225	27.675
3	26.535	26.985	27.435	23	26.805	27.255	27.705
4	26.555	27.005	27.455	24	26.785	27.235	27.685
5	26.565	27.015	27.465	25	26.795	27.245	27.695
6	26.575	27.025	27.475	26	26.815	27.265	27.715
7	26.585	27.035	27.485	27	26.825	27.275	27.725
8	26.605	27.055	27.505	28	26.835	27.285	27.735
9	26.615	27.065	27.515	29	26.845	27.295	27.745
10	26.625	27.075	27.525	30	26.855	27.305	27.755
11	26.635	27.085	27.535	31	26.865	27.315	27.765
12	26.655	27.105	27.555	32	26.875	27.325	27.775
13	26.665	27.115	27.565	33	26.885	27.335	27.785
14	26.675	27.125	27.575	34	26.895	27.345	27.795
15	26.685	27.135	27.585	35	26.905	27.355	27.805
16	26.705	27.155	27.605	36	26.915	27.365	27.815
17	26.715	27.165	27.615	37	26.925	27.375	27.825
18	26.725	27.175	27.625	38	26.935	27.385	27.835
19	26.735	27.185	27.635	39	26.945	27.395	27.845
20	26.755	27.205	27.655	40	26.955	27.405	27.855