

NEW GRANT WITH 8719 CHIP

1. For Modification #1 ground pin 10 of IC1
For Modification #2 ground pin 10 and 11 of IC1
For Modification #3 pin 11 to ground of IC1
2. For clarifier modification, remove the red and orange wires from the clarifier control. Ground one side of the clarifier (red wire) pot and connect the (orange wire) other side to pin 3 of IC 4. Cut R174. Remove C121 10 pf. Remove ctl 20 pf trimmer. Cut D52. Do not cut ~~R149~~. Cut R418.
R148
3. ALC SSB power: VR11 *OR 11 WILL BE DISABLED IF YOU DO STEP #4*
4. AM modification cut collector of TR24 *→ ALSO WILL DISABLE ALC SSB*
TO LEAVE ALC AS IS BUT OPEN AM MODULATION cut D54
5. AM power: VR10
6. Transmitter alignment: L47-L48, L46-L45-L48
7. TR 36 2SC1969B may replaced with 2SC1307

Do not adjust L36, this is the TVI Trap.

Before adjusting wax filled slugs, you must heat to melt wax or you will damage the Ferite Slug.

Locate the SW Board PC-414AA and cut the red and white wire behind the Channel 9 Scan SW. Tape the white wire and connect the red wire to ground. Locate the shielded cable that connects to the PC Board. (behind the NB SW) Cut the shield and the small red and white wire from the board and tape. Connect the 3 wires to the P11 chip. (one to pin 18, one to pin 10 and one to pin 11) Then the wire from 18 goes to the common of the 2 SW's. Pin 10 to the NB SW and pin 11 to the Dimmer SW.

NEW PRESIDENT GRANT WITH 8719 PLL

Modification #1

1	27.605	21	27.855
2	27.615	22	27.865
3	27.625	23	27.895
4	27.645	24	27.875
5	27.655	25	27.885
6	27.665	26	27.905
7	27.675	27	27.915
8	27.695	28	27.925
9	27.705	29	27.935
10	27.715	30	27.945
11	27.725	31	27.955
12	27.745	32	27.965
13	27.755	33	27.975
14	27.765	34	27.985
15	27.775	35	27.995
16	27.795	36	28.005
17	27.805	37	28.015
18	27.815	38	28.025
19	27.825	39	28.035
20	27.845	40	28.045

Modification #2

15	27.455	28	27.605
16	27.475	29	27.615
17	27.485	30	27.625
18	27.495	31	27.635
19	27.505	32	27.645
20	27.525	33	27.655
21	27.535	34	27.665
22	27.545	35	27.675
23	27.575	36	27.685
24	27.555	37	27.695
25	27.565	38	27.705
26	27.585	39	27.715
27	27.595	40	27.725

Modification #3

15	26.815	24	26.915
16	26.835	25	26.925
17	26.845	26	26.945
18	26.855	27	26.955
19	26.865	28	26.965
20	26.855	29	26.975
21	26.895	30	26.985
22	26.905	31	26.995
23	26.935	32	27.005



