

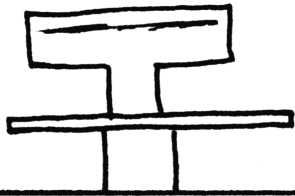
COLT 480, 485, 1000

135 CHANNEL CONVERSION

Parts needed:

- 4- 1k resistors
- 8- TI 1N4148 diodes or equivalent
- 1- Oak rotary switch 2P-6POS # 399639-511 (Newark Elect. cat. # 57F889) or equivalent
- 18"- 6 conductor ribbon wire
- 1- power meter

- Step 1. Remove top and bottom covers of radio
- Step 2. Drill $\frac{1}{2}$ " hole in rear of radio, $\frac{3}{4}$ " toward center of radio from antenna connection for switch mounting. (Use caution not to damage any internal parts of radio while drilling.)
- Step 3. Locate PLL02A, just rear of channel selector on component side of radio. Turn radio over and locate foil pattern of PLL02A on foil side. See drawing of foil pattern side of radio.
- Step 4. Make necessary foil cuts on foil side of PC board. (Follow blow up of PLL02A mounting, for foil cuts, resistor and wire connections. Note 2 foil cuts on brown lead. There will be a total of 5 foil cuts when finished.)
- Step 5. Bridge foil cuts with 1K resistors.
- Step 6. Connect properly coded ribbon wire to foil cuts.
- Step 7. Run ribbon wire to location of switch.
- Step 8. Install diodes and wires per schematic on rotary switch.
- Step 9. Mount switch.
- Step 10. Some tuning may be necessary to broad band radio. Adjust the VCO, T-1, T-2, and T-3 for even power on low of 26.645 and high of 27.995.
- Step 11. Adjust RV-2 and RV-12 for 100% plus modulation.
- Step 12. Follow normal speaking procedures for maximum power output. Using T-6, L-7, L-11 and L-13. Unit is capable of 10 watts AM under full modulation and 18 watts S.S.B.



CHANNEL
SELECTOR.

PLL 02A
APPROX.
LOCATION

Mic.

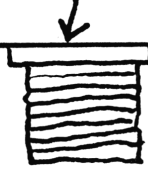


Foil Side
COLT 480 + 485
SSB

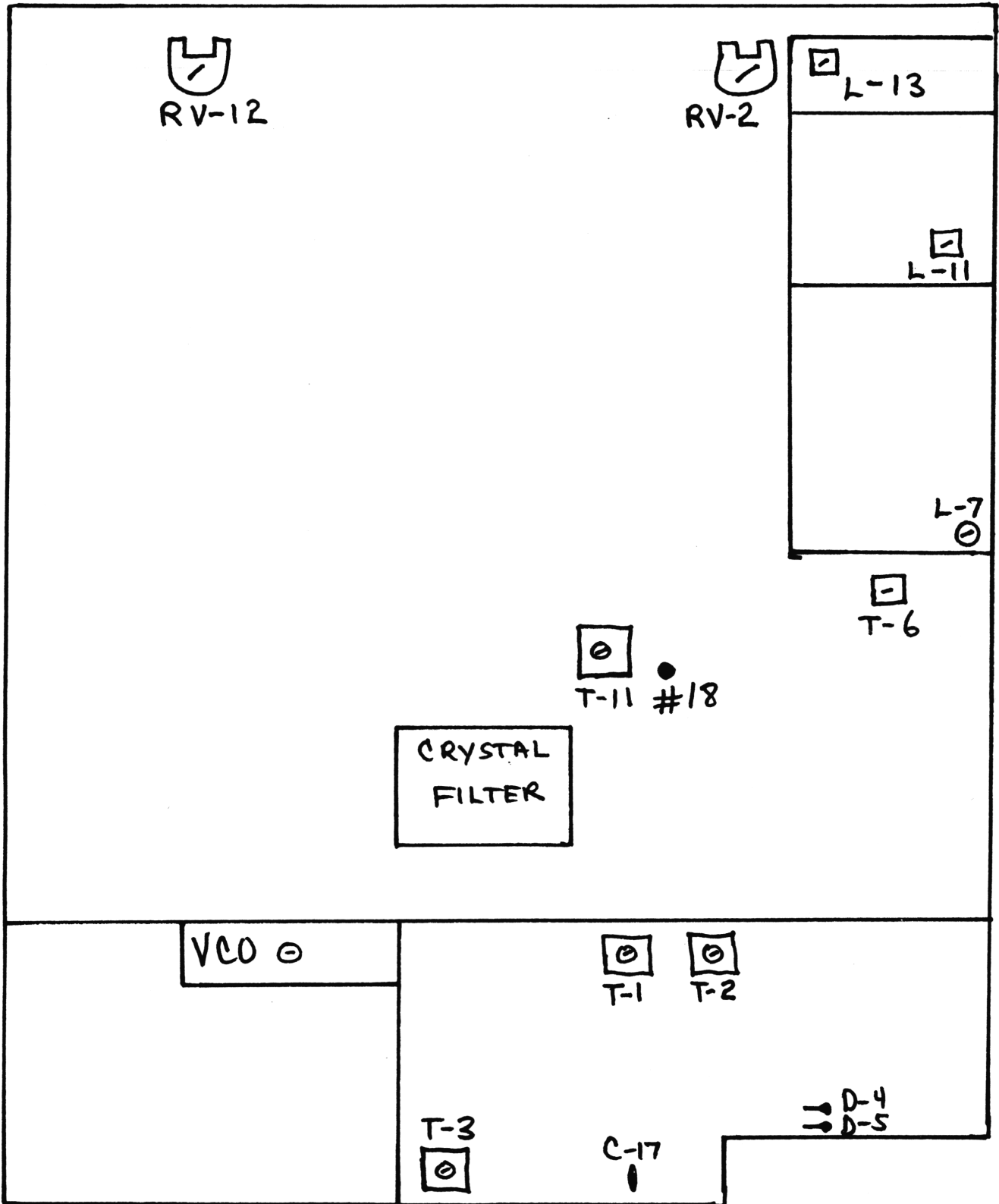
2P. 6 POS
SWITCH



ANT.
CONNECTOR



COLT 480 + 1000 + 485
COMPONENT SIDE



SLIDING PROCEDURE

Step 1. Remove D-4 and D-5.

Step 2. Install jumper in place of D-4.

Step 3. Install jumper from emitter of Q44 to unused terminal on clarifier.
Terminal #18 may be used. It is located behind crystal filter and next to T-11 in center of component side of radio.

Step 5. Clip R23 & R24, remove C17 & install 34pF capacitor in its place. Yields 6KHz up and 2.5KHz down.

<u>Freq.</u>	<u>Switch Position</u>	<u>Channel</u>	<u>Freq.</u>	<u>Switch position</u>	<u>Channel</u>
26.645	1	28	26.905	1	22
26.655	1	29	26.915	1	23
26.665	1	30	26.925	1	24
26.675	1	31	26.935	1	25
26.685	1	32	26.945	1	26
26.695	1	33	26.955	1	27
26.705	1	34	26.965	2	28
26.715	1	35	26.975	2	29
26.725	1	36	26.985	2	30
26.735	1	37	26.995	2	31
26.745	1	38	27.005	2	32
26.755	1	39	27.015	2	33
26.765	1	40	27.025	2	34
26.775	Miss		27.035	2	35
26.785	1	12	27.045	2	36
26.795	1	13	27.055	2	37
26.805	1	14	27.065	2	38
26.815	1	15	27.075	2	39
26.825	Miss		27.085	2	40
26.835	1	16	27.095	Miss	
26.845	1	17	27.105	2	12
26.855	1	18	27.115	2	13
26.865	1	19	27.125	2	14
26.875	Miss		27.135	2	15
26.885	1	20	27.145	Miss	
26.895	1	21	27.155	2	16

<u>Freq.</u>	<u>Switch Position</u>	<u>Channel</u>	<u>Freq.</u>	<u>Switch Position</u>	<u>Channel</u>
27.165	2	17	27.875	4	24
27.175	2	18	27.885	4	25
27.185	2	19	27.895	4	23
27.195	Miss		27.905	4	26
27.205	2	20	27.915	4	27
27.215	2	21	27.925	5	28
27.805	4	17	27.935	5	29
27.815	4	18	27.945	5	30
27.825	4	19	27.955	5	31
27.835	Miss		27.965	5	32
27.845	4	20	27.975	5	33
27.855	4	21	27.985	5	34
27.865	4	22	27.995	5	35

In position #6 channel

selector is in normal

mode.

