

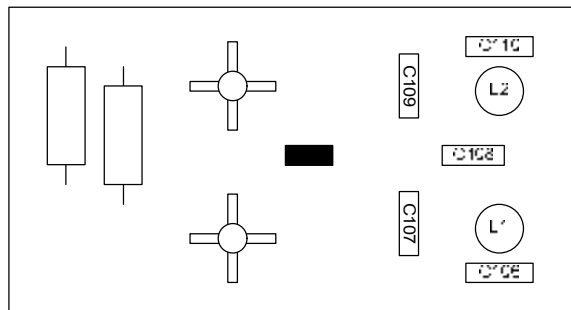
Technical Bulletin

No: 712 – Conversion of TR-20 from 520 kHz to 1610 kHz

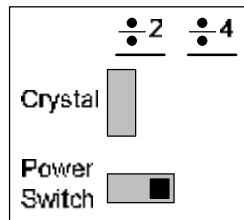
1. Replace Harmonic Filter Components on Amplifier Board.

Replace the two inductors and 5 capacitors with the values shown. On the new indicators, scrape away **JUST ENOUGH** varnish to wrap around the turret posts on the PC board. Scraping too much can cause a short to the ground plane! Secure the coils to the PC board with silicone RTV sealant.

LOCATION	ORIGINAL VALUE	NEW VALUE
C106	3600 pF (P/N 2883)	2000 pF (P/N 2890)
C107	1000 pF (P/N 2882)	220 pF (P/N 2891)
C108	5600 pF (P/N 2884)	3300 pF (P/N 2885)
C109	3300 pF (P/N 2885)	750 pF (P/N 2892)
C110	2200 pF (P/N 2886)	1500 pF (P/N 2791)
L1	36 turns (P/N 2876)	23 turns (P/N 2880)
L2	24 turns (P/N 2877)	19 turns (P/N 2881)



2. Replace TIS Roll-Off Filter (P/N 2789) (Only if TIS Version)
3. Change Divide Jumper on Exciter Board to ÷2 and replace Crystal (Only if Required)



4. Alignment. Re-set RF output power. With oscilloscope, adjust factory power set to 63 Vpp across dummy load with no audio applied.



601 Heron Drive
 Logan Township, NJ 08085
 Phone: 856-467-8000 • Fax: 856-467-3044
<http://www.radiosystems.com>