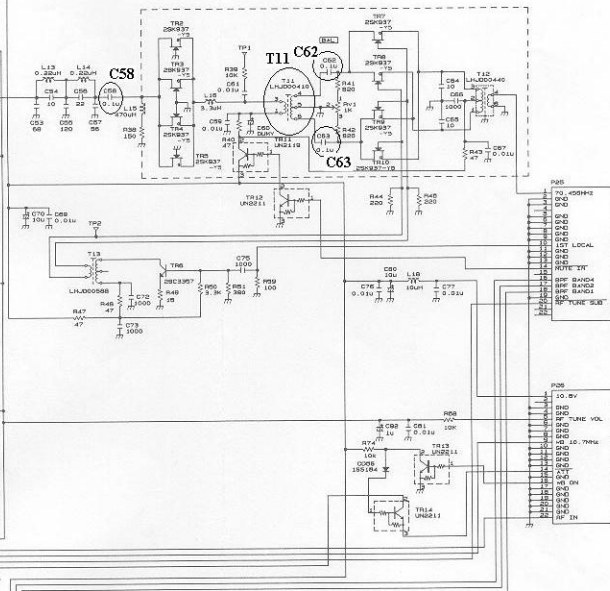


T11 was removed, rewound with twice as many turns (32 T # 28 enameled primary to FET's w/ 8 bifilar T over primary to BAL MIX), and replaced. The ferrite toroid is an Amidon FT-37-75 in case you break the one in the NRD-545.

NOTE: UNLESS OTHERWISE SPECIFIED  
RESISTANCE VALUES ARE IN  $\Omega$  / 1/10W  
CAPACITANCE VALUES ARE IN pF

PC1-N-70PC9000



#### LF/VLF Sensitivity Improvement For NRD-545, by Dallas Lankford 12/5/03

This is based on Steve Ratzlaff's similar mod for the NRD-525. Replace C6, C58, C62, and C64 (circled) with 1 uF capacitors. I used 50 volt Kemet CK06's in place of surface mounts, and drilled four holes through the PC board so that the CK06's which replaced C62 and C63 could be mounted in the shielded enclosure and their leads routed to the appropriate surface mount pads underneath. These four holes were counter sunk on the top side so that the leads would not be grounded. The C6 replacement was mounted underneath with one lead wrapped around the appropriate pin of the ATT relay and the other lead to the appropriate surface mount pad. One lead of the C58 replacement went to the outside pad, the other (insulated) to a scraped and tinned trace between two of the RF amp FET's, with the C58 replacement outside the bottom shield. (continued at left)