TR-4 AUDIO MODULE BOARD

PROCEDURE

1. Remove cabinet top and bottom.
2. Unsolder old board located behind V-17. (DO NOT cut leads).
3. Remove old board.
4. Redress white coax, red/white wires and brown / white wire so they will be long enough to reach new connections. (Extra lead length can usually be obtained from slack in harness).
5. Screw new board to chassis with print side toward the front.
6. Connect component side leads.
7. Connect print side leads.
8. Zero "S" meter.
9. Rotate RF gain fully counter-clockwise, adjust blue pot for 60 over 9 on "S" meter, return RF gain control to normal operating position.

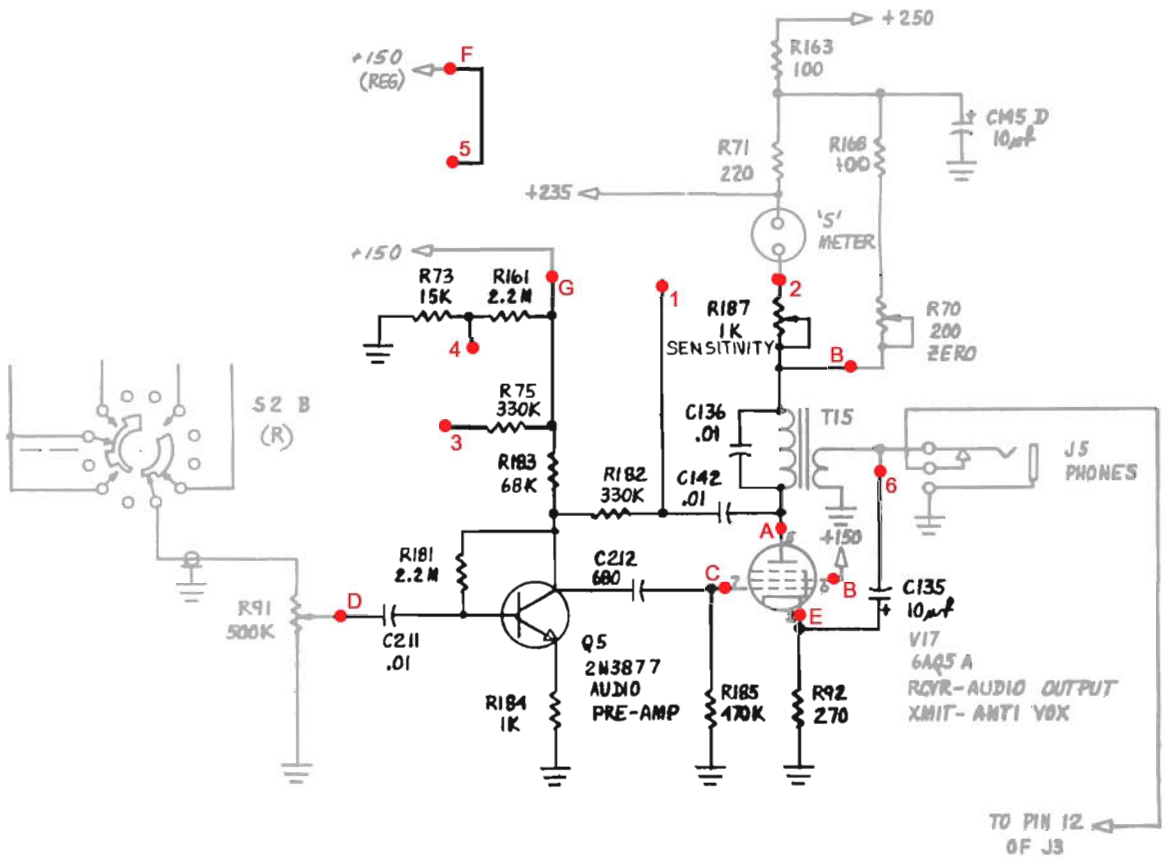
COMPONENT SIDE

1. Connect white coax to lug 1.
2. Connect wire from "S" meter to lug 2.
3. Connect green / white wire to lug 3.
4. Connect yellow / white wire to lug 4.
5. Connect red / white wires to lug 5.
6. Connect brown / white wire and black spaghettied lead from T-15 output side to lug 6.

*All wires above were on old board.
NOTE: Wires on lug 2 and 8 were tied together with orange wire (T-15) on old board and are now separated by blue pot.

PRINT SIDE

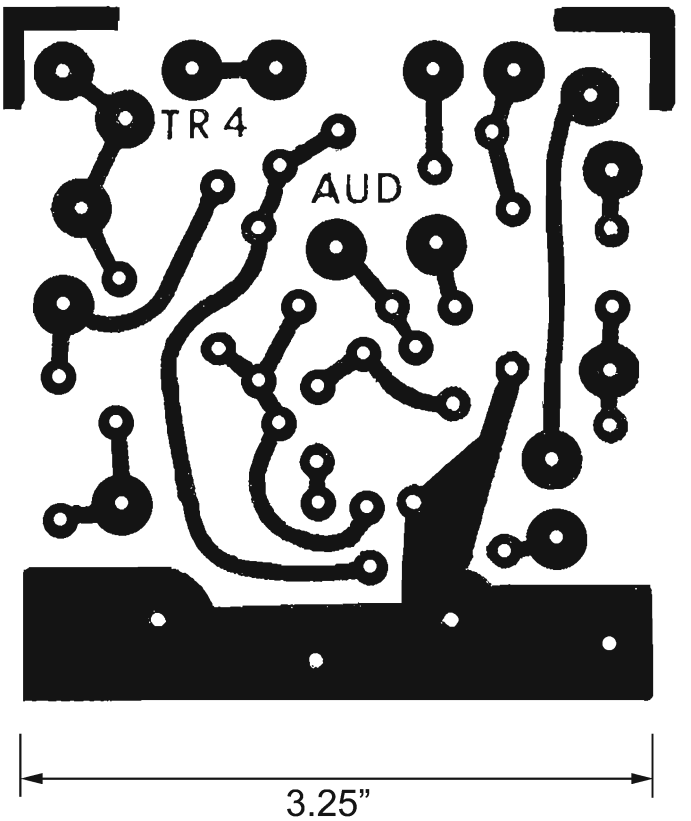
1. Connect blue lead from T-15 to lug A. Add jumper wire from lug A to Pin 5 of V-17.
2. Connect white wire from zero control and red lead from T-15 to lug B. Add jumper from lug B to Pin 6 of V-17.
3. Connect four blue / white wires and R110 (Remove R110 from pin 6 of V-17) to lug G.
4. Connect R-112 originally on old board to lug F.
5. Add jumper wire from Pin 2 of V-17 to lug E.
6. Add jumper wire from Pin 1 of V-17 to lug C.
7. Connect center of white coax originally on Pin 7 of V-17 to lug D and connect ground braid to ground lug on V-17 socket.



Solid-state AF Preamp Update
For TR-4 below S/N 28500

R L DRAKE TR-4
SS Audio Modification

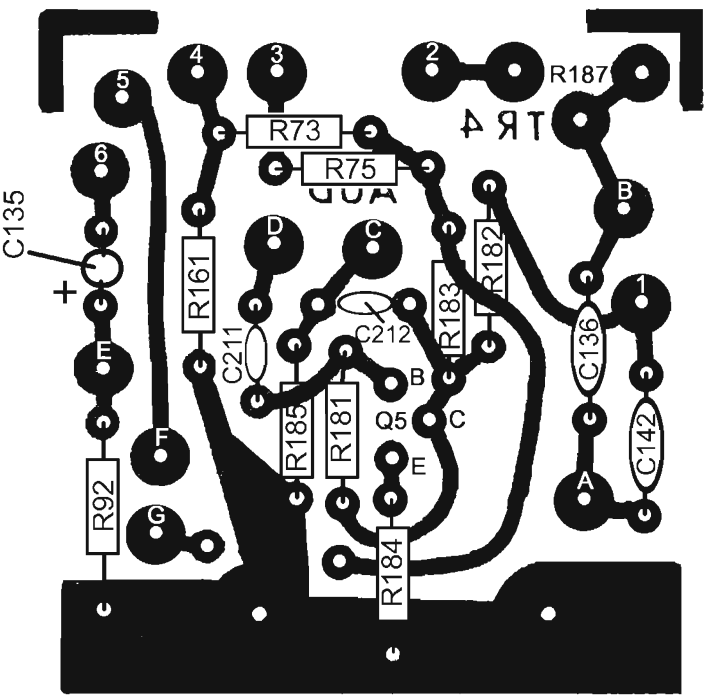
© 2009 - K4OAH



PC BOARD 2:1

R L DRAKE TR-4
SS Audio Mod

©2009 - K4OAH



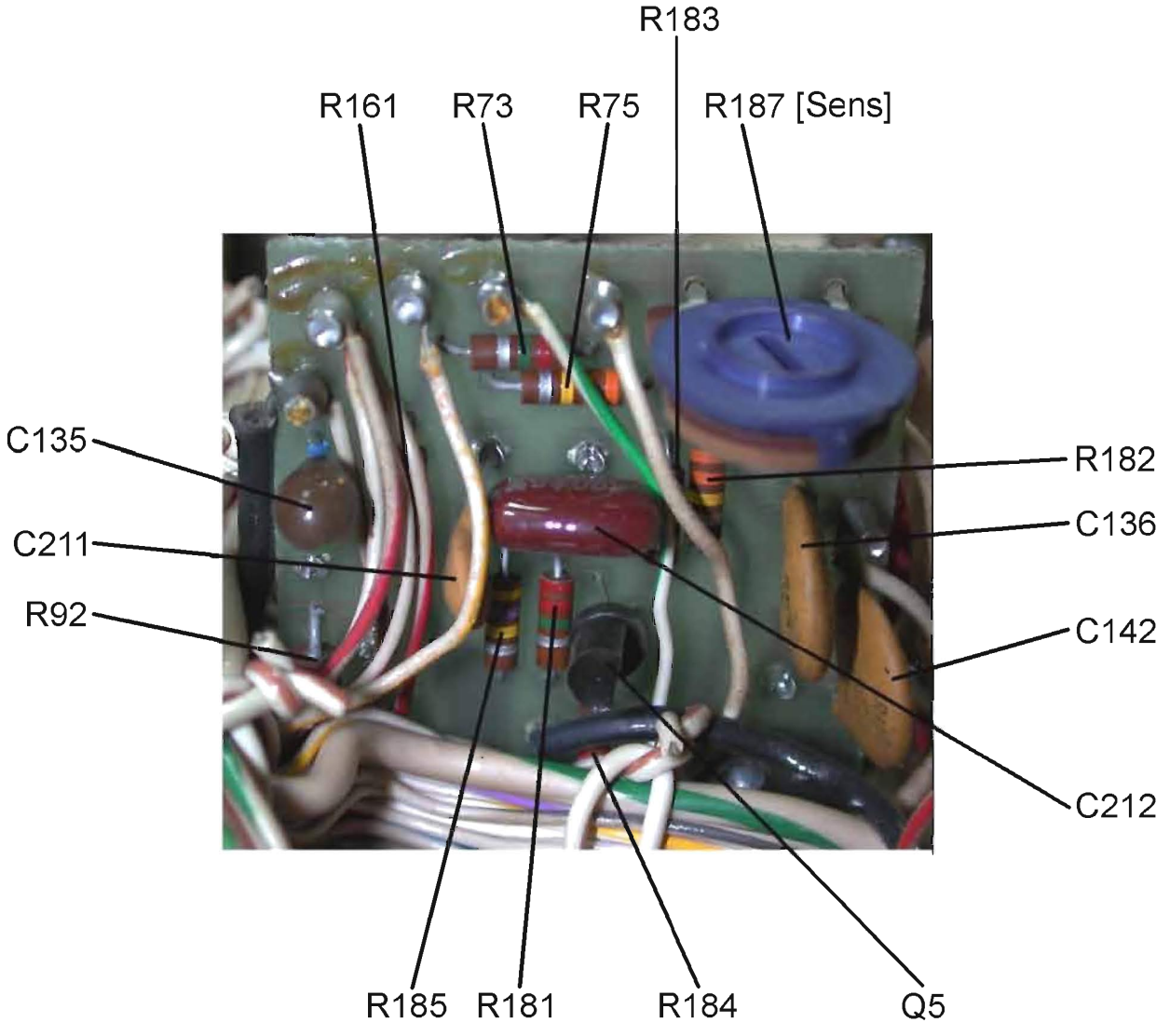
Component Side

Numbered pads have terminals inserted on Component side.

Lettered pads have terminals inserted on Etch side.

R L DRAKE TR-4
SS Audio Mod

©2009 - K4OAH



Audio Pre-Amp, S-Meter,
Rx AF Out, Xmit Gain

R L DRAKE TR-4
SS Audio Mod Board

© 2009 - K4OAH