

ANOTHER RIT MOD FOR THE 2510, MOD-III

OTHER HELPFUL HINTS

VR101 = S-MTR	VR111 = TXFREQ.
VR102 = SQUELCH RANGE	VR112 = FINALBIAS
VR103 = CWPOWER	VR113 = DRIVERBIAS
VR104 = ALC	VR114 = AMC
VR105 = FMDEVIATION	VR115 = MODMTR
VR106 = CARRIER BALANCE	VR116 = CWSIDETONE
VR107 = AMPPOWER	VR117 = RFMTR

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• SAM, T&S ELECTRONICS

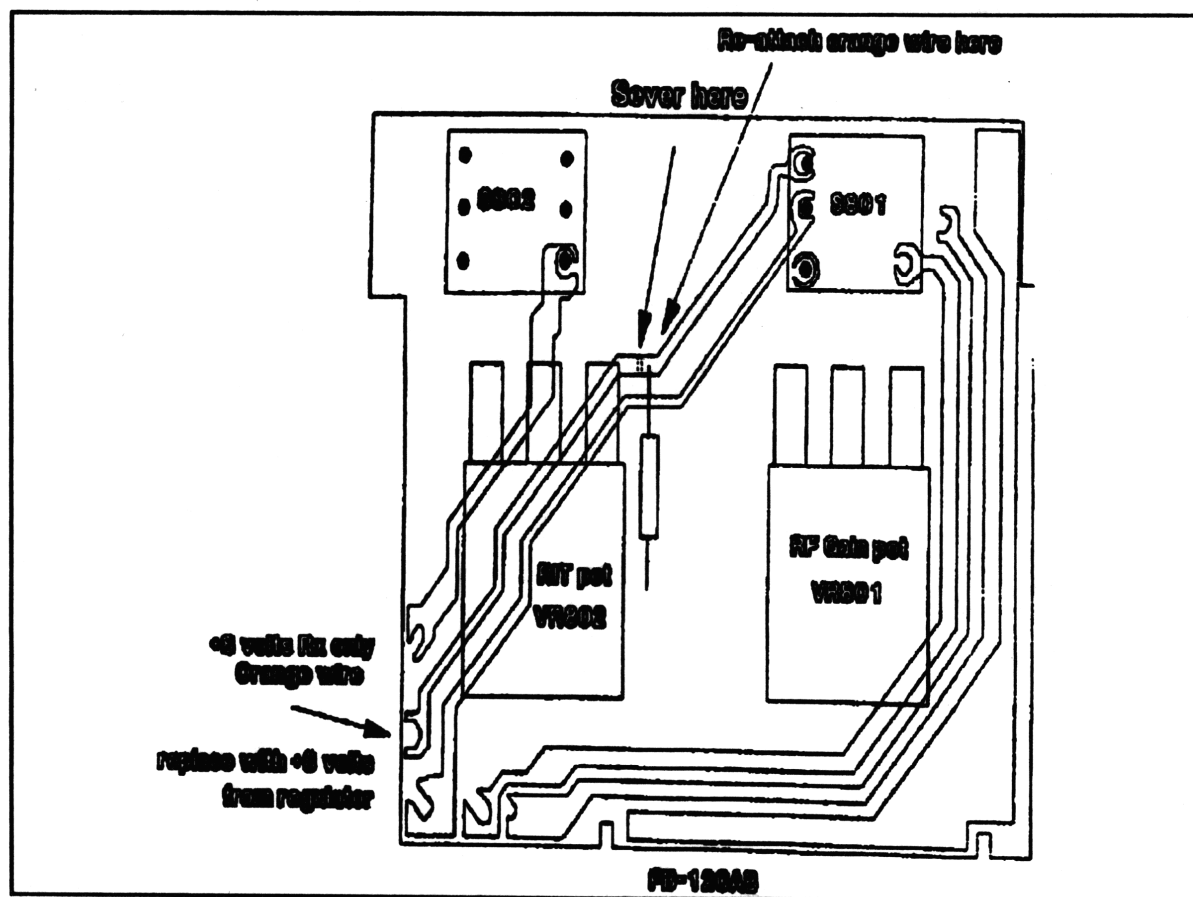


FIGURE #1 RIT MOD-III

HR2510 RIT SLIDE MOD, MOD-IV

Refer to figure 1.

Remove top and bottom covers. Remove the four bolts that secure the pll board shield. Fold the pll board and shield up out of the way. Locate VR111 on the main board. Remove it and add it to your junk box. Find the small board that is home to the RF Gain pot and the clarifier pot. The third wire down from the top of the edge of the board should be orange. It brings 8 volts to the RF Gain and Clarifier (RIT) on receive only. Remove this wire and solder it to the other side of the trace cut in the diagram. Add a wire from the 8vdc regulator on top of the PLL board (7808) to where you removed the orange wire. Now you are feeding 8vdc to the fine tune and have RIT and XIT! No more TX/RX split and people saying "I can't understand you - you're off freq!! You should go back and touch up the three coils that center your USB, LSB and AM/FM/CW oscillators (L116,L117,L118) as per the manual. The factory doesn't have a frequency counter in the Philippines and the units are nowhere near specs in any HR2510 I have seen!

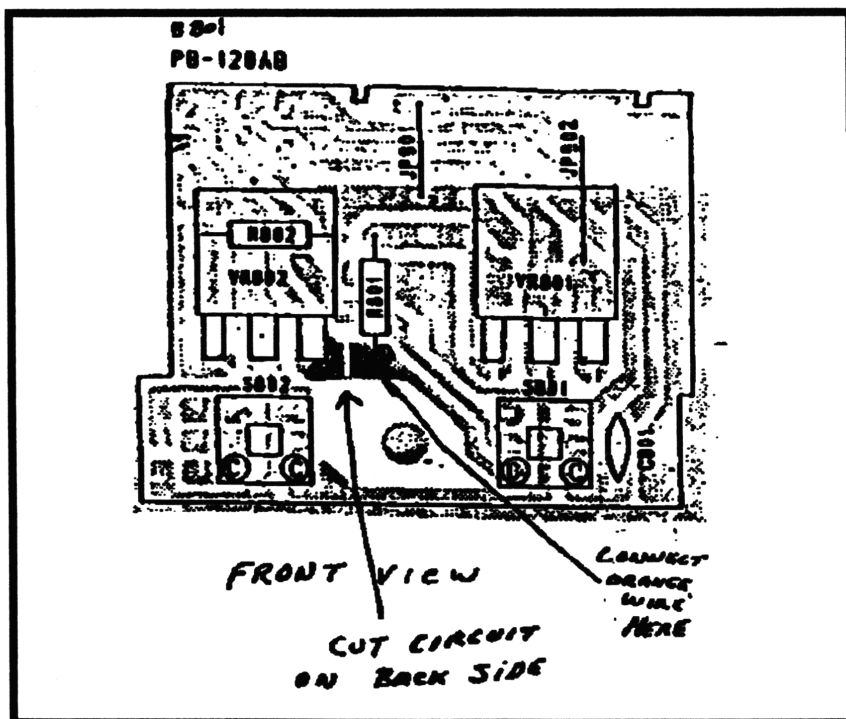
HR2510 RIT SLIDE MOD, MOD-IV

• CLARK R. KIRKLAND

(1) Remove Covers.

(2) Locate the orange wire on the circuit board, number PB120AB. Trace it to where it connects between the Rit Control, VR802 and resistor R-801, looking at the Rit board from inside Radio.

(3) Remove the orange wire from the circuit board and reconnect to resistor R-801. This connects



FIGURE#2 RIT MOD-IV