

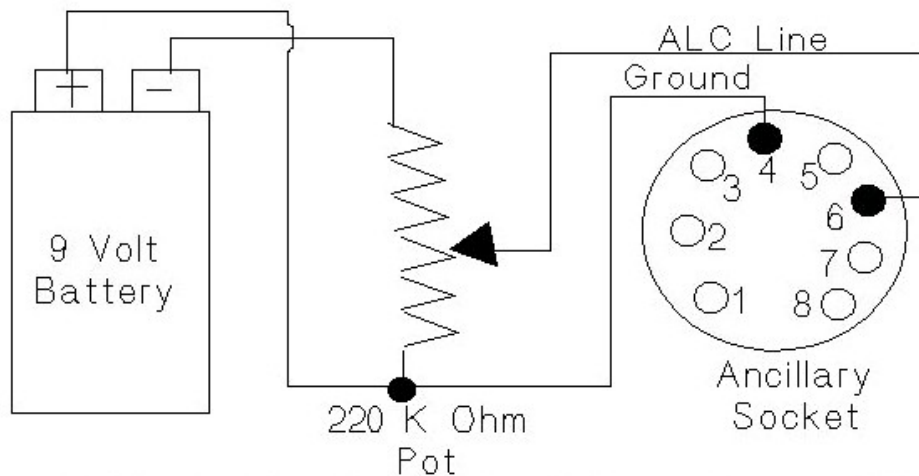
Kenwood Trio QRP Power Control Circuits

Circuit #1, very simple ALC control for all Hybrids:

Kenwood TS-520S / TS-820IS for QRP

The TS-520S / TS-820IS can be operated QRP down to a few milliwatts with simple modification.
Apply negative voltage on the ALC pin of the ancillary socket.

Modification consists of a 220K Ohm pot and a 9V battery.



TS-520S Modification for QRP Operation on SSB

Positive terminal of battery to ground (Pin 4)

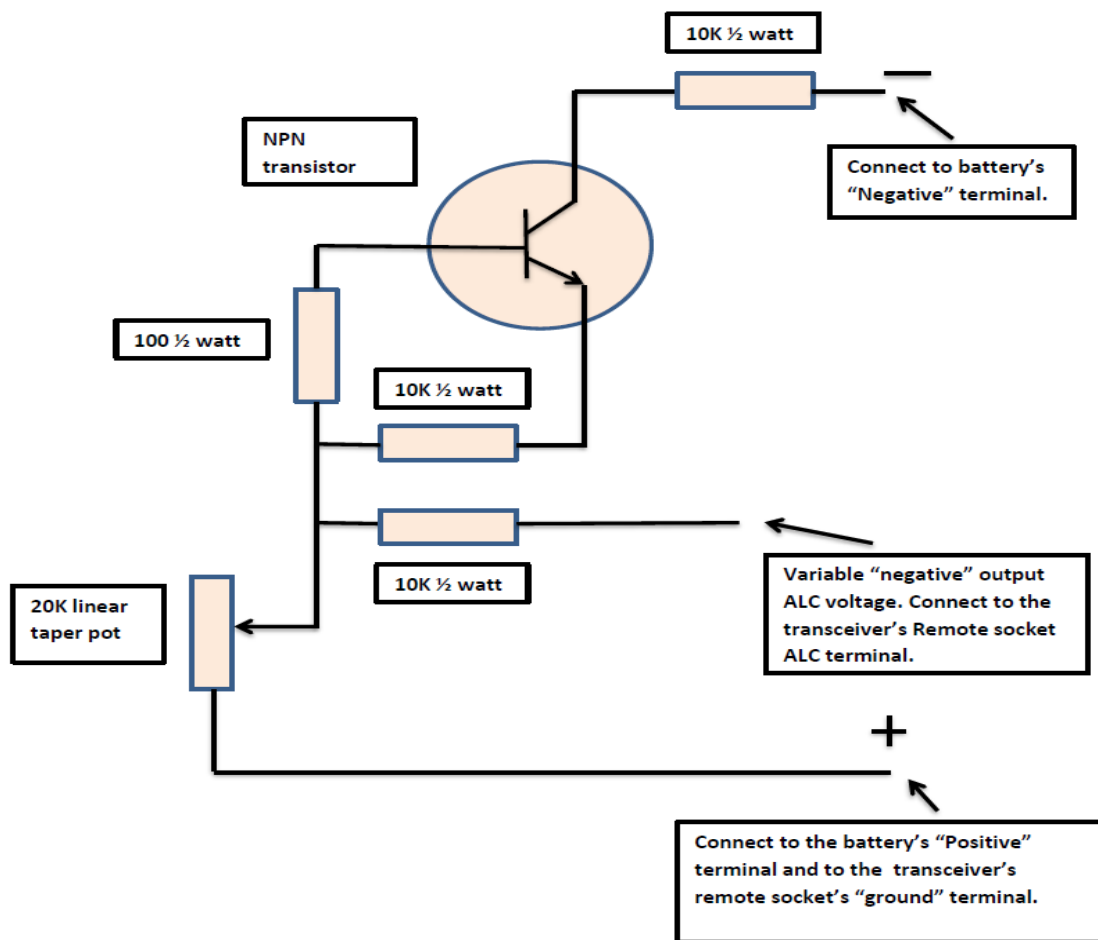
Negative terminal of battery in series with 220K pot to ALC pin on socket. (Pin 6)

Maximum of 34 microamps drawn so battery should last a long time.

Courtesy: Bob Wilder, W4RHW

Circuit #2, Same basic ALC control method with a few extra components, for all Hybrids:

**Kenwood
ALC QRP control circuit**



Circuit #3, Kenwood suggestion for the TS-520 covered in their Technical Bulletin #2.



SERVICE BULLETIN

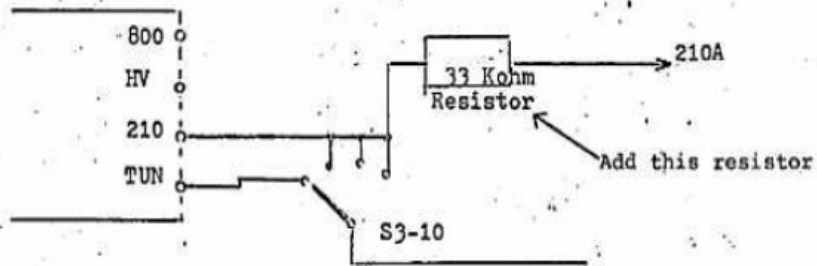
from: TRIO-KENWOOD COMMUNICATIONS, INC.

No. 2

SUBJECT: TS-520 Novice Operation (75 watts)

DATE 10-01-75

HV UNIT (X43-1110-00)



1. Cut wire (see figure 1) red color.
2. Insert 33Kohm resistor in series between red wire and pin 210.
3. Readjust bias current to 60ma.

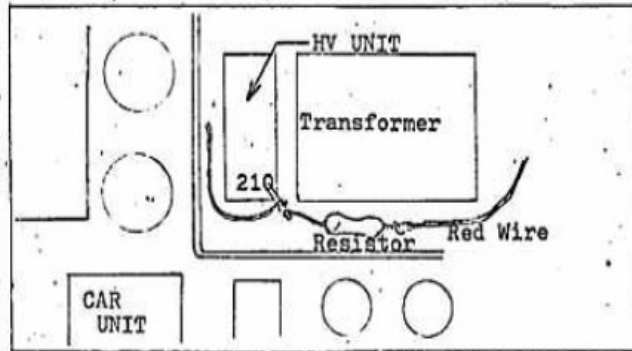
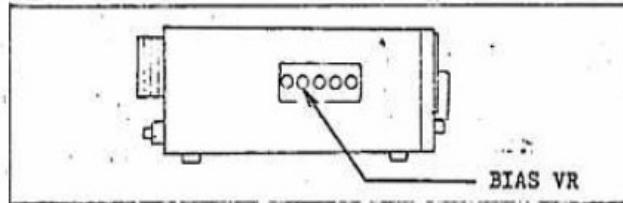


Figure 1 (Bottom side)



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