



# SERVICE BULLETIN

from: TRIO-KENWOOD COMMUNICATIONS, INC.

TS-830S

#847R

SUBJECT: TS-830S low voltage Supply Optional Improvements

DATE 04/14/82

Power supply drift and stability may be improved by these optional component changes and additions.

On the AF AVR unit X49-1140-00 (Vicinity of Q27-Q30) change:

R124 from  $1k\Omega$  to  $1.5k\Omega$  (RD14CB2E152J) \*  
R127 from  $470\Omega$  to  $390\Omega$  (RD14CB2E391J) \*  
R130 from  $47k\Omega$  to  $33k\Omega$  (RD14CB2E333J) \*  
D25 from WZ-061 to XZ-053 (V11-4101-60)\*

\*This will improve temperature drift from a maximum of about 100mV to a maximum of 10mV, and may be applied to any unit before serial # 201xxxx.

Add two  $22k\Omega$   $\frac{1}{4}W$  resistors (RD14CB2E223J), one each across Q30 & Q34, collector to emitter. \*

\*This will improve overall stability and may be applied to any unit before serial #105xxxx.

NOTE: These changes are at the owners option and may not be performed in-warranty.