



SERVICE BULLETIN

from: TRIO-KENWOOD COMMUNICATIONS, INC.

TR-9000

#859

SUBJECT: TR-9000 Temperature Stability Improvement

DATE 04/14/82

PLL noise or unlock at high temperature may be cured by changing a mixer feed point in the PLL.

Measure TP3 on the PLL unit. If greater than 0.5V RMS signal is available, this change will not be required. If less than this level is present, proceed.

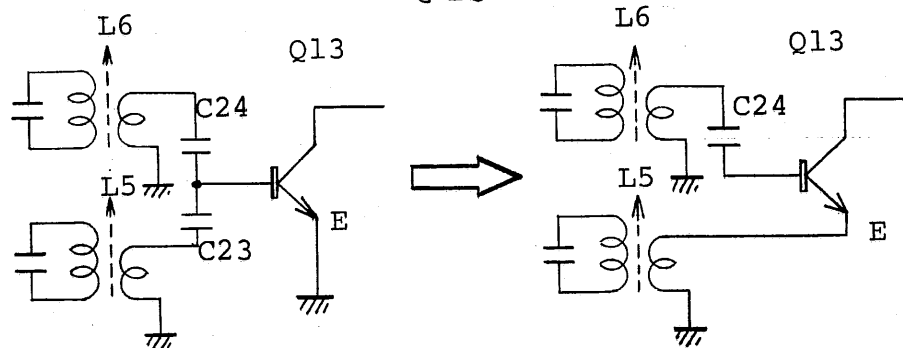
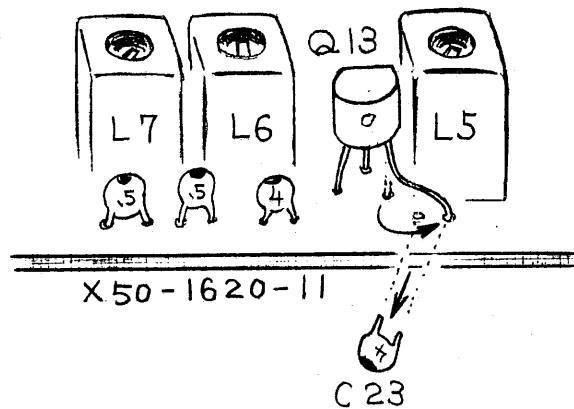
On the PLL unit X50-1620-00 at Q13:

1. Remove and delete C23.
2. Connect Q13 emitter to L5 "hot" (original C23 take-off.)
3. Realign L5, 6, 7 for at least 0.5V RMS at TP3.

Note: Installation time for this procedure is $\frac{1}{2}$ hour or less.

Alignment Note: To align L6 & 7, first position the slugs flush with the tops of the coils, then alternately adjust these two coils for maximum output at the first peak into the coil (fundamental frequency). Then align L5 for maximum.

TP-3



JEB/sh

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