



# SERVICE BULLETIN

from: TRIO-KENWOOD COMMUNICATIONS, INC.

TR-2400

#814

SUBJECT: TR-2400 "UNLOCK"

DATE 2/19/80

For apparent unlock, or either RX or TX failure, suspect not PLL unlock, but low RX or TX XTAL activity. Adding or replacing circuit components and retuning the oscillator will cure the problem.

FOR NO RX

Suspect low XTAL activity for X1 on the RX TX unit. At Q1, add 7-12pF Base to Emitter. At Q5 replace L5, 22uH with a 15uH with choke, L40-1501-05. Adjust TC1 for 42.6MHz in RX.

FOR NO TX

Suspect low XTAL activity for X2. At Q4, add 7-12pF Base to Emitter. Replace L15, 22uH with a 15uH choke, L40-1501-05. Adjust TC2 for exact 146MHz transmit frequency. At the base Q4, also check L2 for intermittent shorting against the Display unit mounting screw.

JEB/yn