



SERVICE BULLETIN

from: TRIO-KENWOOD COMMUNICATIONS, INC.

22

SUBJECT: SERVICE NOTES ON TR-2200A

DATE 10-31-77

TRANSMITTER

1. No Tx RF output: Bad 2SC 1169 Q9 on (X56-1210-11).
2. No Tx: Shield plate touching to circuit board under Q8 driver 2SC741.
3. No Tx: Open D2 MI301 on (X55-1130-01).
4. No Tx: Repair broken RCT line from crystal deck to Tx oscillator.
5. No Tx: Bad Q13 2SA562(Y). No "T-13" Voltage on Tx (X5601210-11).
6. No modulation. Bad D4 1S1658 on (X56-1210-11).
7. No Tx: Capacitor C-21 lead touching to ground at Q4 on (X56-1210-11).
8. No Tx: No collector voltage to Q7-Q8. Bad Q15 2SC735 Hi-Low control for Q14 on (X56-1210-11).
9. Tx distortion: Check D3 Zener 9 volt supply regulator for Tx low level stages on (X56-1210-11).

GENERAL NOTE ON TR-2200A

1. Battery plate over heats: If the red and yellow leads of the external DC cord are connected together, the battery plate will overheat.



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RECEIVER

1. Receive sensitivity poor: Bad 10.245 Xtal on (X55-1130-11).
2. Receiver sensitivity poor: Bad M1-301 D4 on (X56-1080-00).
3. Poor Rx sensitivity: Bad Q1 3SK41(L) on (X55-1130-11).
4. No Battery operation: Miscontact of internal switch in power jack.
5. No C9 Bt to receiver: Bad Q12 2SC496 on (X56-1210-11).
6. Batteries will not charge: Check for a shorted battery plate.
7. Low Rx sensitivity: Bad D3 1S2588.
8. No squelch: Check Q15 2SC458 on (X55-1130-11).
9. Poor squelch when cold: Replace D14-D16 IN60.
10. No audio: Bad audio IC NPC 575 Q16 on (X56-1210-11).