

Modifications for the Kenwood T-599
Service Notes on T-599A/D

Trio-Kenwood Communication, inc.

Service bulletin no. 7 (2-11-1977)

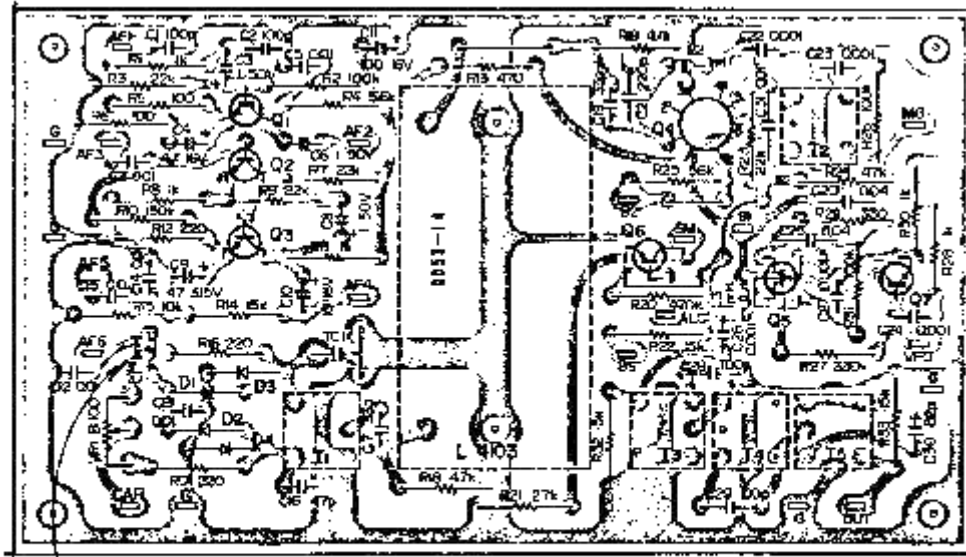
1. *No ALC - Drive 10 meters:* Check for loose contact at oscillator wafer on coil pack.
2. *No TX any band:* Check the T1 on generator board (X52-0009-00).
3. *No TX:* Bad driver FET Q1 3SK22(GR) on X47-0004-00).
4. *No relay action when TX:* Bad Q8 2SA562(Y). When replacing Q8 change resistor R16 to 4.7 ohm.
5. *Rubber belt slipping on drive and load:* TKC has Chain Modification Kit.
6. *No drive when shock:* Check for loose output terminals af final rotary switch (S10-1002-05).
7. *No output on any band:* Check T2 GEN unit (X42-0009-00).
8. *No TX:* Check final relay for burned contacts. (S51-4017-15).
9. *Bias current too high and blows fuse:* Check for bad 6-7001A and shorted cathode resistors 10 ohm.
10. *Cannot neutralize:* Make sure shield is properly installed on driver 12BY7.
11. *No output from generator unit (X52-0009-00):* Bad Q4 TA7045.
12. *No 9 Volt out at AVR (X43-0010-00):* CHeck Q1 2SA606(L).
13. *Low output power:* If American 12BY7 is used in driver circuit, this can cause parasitic oscillation. Please use standard Kenwood replacement tubes.
14. *Blows fuse:* Check for shorted electrytics at power supply (X43-0011-00).
15. *AC hum on SSB transmission:* Send for TKC bulletin.

Reducing 120Hz hum in T-599D

Trio-Kenwood Communication, inc.

Service bulletin no. 17 (6-9-1977)

There have been some cases of 120Hz hum in the T-599D. This may be reduced by removing L-1 (1mH) on the generator unit (X52-0009-00) and replacing it with a 47 ohm resistor. Shown below is the generator unit board with this change.



FOIL SIDE OF BOARD

L-1