

T R O U B L E - S H O O T I N G

TRC-458 (858 SSB Chassis): No AM TX, on SSB TX the relay sounded like a machine gun. After checking everything I could think of, gave it the old 'Smoke Test'.. (Hooked up to a 20A Power Supply; and keyed down in SSB). Results: FAST - No Smoke; but a H___ of a BANG; pieces of C179 all over the place! AM and SSB Tx came back with no problem..... "C179 is a small Blue Tantalum Electrolytic capacitor; 2.2Mfd/25VDC; in this case was breaking down when voltage put to it." SUGGEST: Replacing in all chassis with 2.2Mfd/50VDC electrolytic - don't use another tantalum! Remember these units are getting a few years on them now....

Pres. Adams (858 SSB Chassis): No TX in both AM/SSB.....

Traced signal back to FET 7, had prior to that point. So changed part - had no effect? Re-checked all voltages in RX/TX, still no problem found. Changed FET 6 to see if was opening up under load, and it was! Weird problem.

Pres. Adams..ERRORS

SAMS CB 176; error on page 107 (President Adams): Schematic shows two C-102's; only one is in the circuit/PCB. Located to right of VR8. This capacitor does give problems; advise changing to 330Mfd/25VDC minimum - electrolytic.

Adams PCB marking error (Ref: S/N:03000163): two (2) TR29's are marked on the PCB, error is on board marking. Correct locations and markings are below. SAMS CB 176 is correct as to location of correct parts.

