MARCEL De VUYST, ON7DY

Marcel took lots of high-quality pictures when he tore his Kenwood apart, and he sent many of them to me. Here's a view of you will have after you remove the old power supply pieces.



With all the power supply stuff out, this is what your 930S will look like.



Marcel removed the power relay and ran wires up to the switch just as I did.



Marcel used the "604" version of the Quint, and like others, he initially tried to use the heat sink that once held the regulator transistors. Doing so preserves the structural integrity of that corner of the rig, but it obstructs airflow.



This photo shows that the Phoenix Quint will fit with the heat sink in place, and it looks factory. But that leaves little room for anything else.



Marcel eventually removed the heat sink. As stated in the Compendium, that leaves no place for the rear case screw.



Marcel's radio is a later model with the 21.7 volt sub-circuit, so he used a Velleman P1823 regulator board. Capacitor C4 isn't necessary because the Quint is already filtered and regulated. He used a slider variable resistor to control the fans.



Marcel tested his 28 and 21.7-volt circuits together using two meters.



Here's where Marcel mounted the 0.5 ohm resistor for the Ic reading.



Marcel's TS-930S suffered the classic power supply blow-up, so his Power Amplifier (PA) was also damaged. Once he rebuilt it, he went to great pains to make sure it was adjusted correctly. The adjustments must be made with the PA sitting out behind the rig as shown here.



Marcel lifted the tab of the regulator to obtain/set the drivers' idle current. Care is needed here!



The reading for the PA's idle current is much easier to obtain.

