



SERVICE BULLETIN

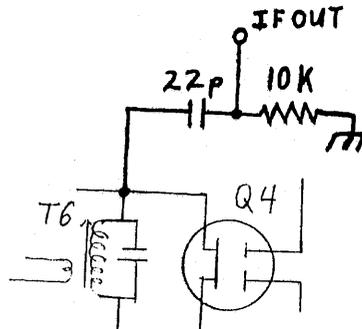
from: TRIO-KENWOOD COMMUNICATIONS, INC.

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SUBJECT: Adding IF output to the TS-520 and TS-520S transceivers for use with the SM-220

DATE 8/16/78

The TS-520 and TS-520S transceivers do not provide an IF output signal. It is necessary to have this if you want to look at a specific received signal on the SM-220 station monitor. The best place to pick up this signal is at the tuned output of Q4 on the IF unit (X48-1060-00). A 22 pf capacitor should be used for coupling and a 10 Kohm resistor for impedance matching. This is shown in the schematic below. The center conductor of a 36 cm (14") length of 50 ohm (RG-174/U or similar) cable is connected to the pick-up at one end and to pin 7 of the REMOTE socket on the other end. The shield is connected to pin 1 of the REMOTE socket and the ground path of the IF Unit. A 76 cm (30") 50 ohm cable should be made up with one end connected to pins 7 and 1 of the 8 pin plug supplied with the transceiver and BNC connector on the other end. The BNC connector will be plugged into the vertical input jack on the front of the SM-220.



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