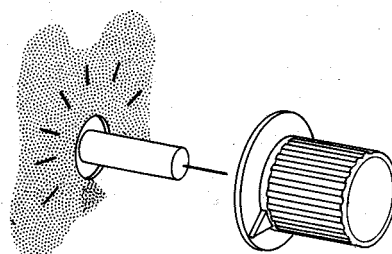


This completes the wiring of the Transceiver. Check to see that all connections are soldered, and shake out any wire clippings or solder splashes. There will be a 1000 μf capacitor remaining. This capacitor is for use in loading the antenna if needed, as shown in Figures 8A and 8B on Page 47.

- (✓) Referring to Detail 18A, install pointer knobs on the Final Tune, Function, RF Gain, AF Gain, and VOX shafts. With the shafts turned fully counterclockwise, the pointers of the knobs should be aligned with the most counterclockwise marking on the front panel;



Detail 18A

the AF Gain control knob setscrew should be tightened against the flat of the shaft.

- (✓) Install the large knob on the shaft of the VFO capacitor.

INITIAL TEST

Before installing the tubes or pilot lamps, the following resistance checks should be performed. If the actual resistance readings vary more than $\pm 20\%$ from those listed, refer to the In Case Of Difficulty section of the manual on Page 50.

Set the controls and switches as indicated at the top of the resistance chart. Connect the common test lead of an ohmmeter to the chassis and make the checks listed in the following chart.

NOTE: The internal wiring of most ohmmeters is such that the positive terminal of the ohmmeter battery is connected to the positive (red)

test lead, and the negative battery terminal is connected to the negative (black) test lead. In some ohmmeters, this wiring is reversed and erroneous readings will be obtained when making these measurements. Try reversing the ohmmeter test leads if the measurements do not check out correctly the first time.

Refer to Pictorial 19 (fold-out from Page 47) for the locations of the test points.

Set the controls as follows:

FUNCTION Switch: OFF.

Meter Switch: BIAS SET.

All other controls: Fully counterclockwise.

RESISTANCE CHART

TEST POINT	RESISTANCE
Power Plug pin 1 ✓	30 K Ω
Power Plug pin 2 ✓	0 Ω
Power Plug pin 3 ✓	50 K Ω (10 K Ω)*
Power Plug pin 4 ✓	Infinity
Power Plug pin 5 ✓	Infinity
Power Plug pin 6 ✓	Infinity
Power Plug pin 7 ✓	1000 Ω
Power Plug pin 8 ✓	Infinity

*With OPTIONAL resistors installed.

TEST POINT	RESISTANCE
28 in section 1C ✓	10 K Ω
A in section 1C ✓	200 Ω to 500 Ω
B in section 3B ✓	250 K Ω
C in section 1A ✓	3300 Ω
13 in section 1B ✓	220 Ω
Tube socket V4 pin 7 ✓	330 Ω
Tube socket V5 pin 1 ✓	150 Ω
Tube socket V5 pin 2	200 K Ω