TEST POINT	RESISTANCE
Tube socket V6 pin 3	75 KΩ
Tube socket V9 pin 1	1.25 megohm
Tube socket V12 pin 8	40 KΩ (20 KΩ)*
Tube socket V12 pin 6	120 Ω
Tube socket V1 pin 9	1 to 2 megohm (adjusts with MIC GAIN control)
Tube socket V10 pin 1	2 megohm
Tube socket V2 pin 9	20 megohm
6 in section 4C	0 to 1 megohm (adjusts with VOX control)
9 in section 2C	20 KΩ
Mic #1	10 megohms minimum
Mic #2	20 megohm
16 in section 5C	Infinity with AF GAIN switch "in," 50 KΩ (10 KΩ)* with AF GAIN switch "out,"

Set the FUNCTION switch to PTT.

Tube socket V10 pin 1	0 Ω
Tube socket V2 pin 9	20 megohm
9 in section 2C	0 Ω
Mic #2	20 megohm

Set the FUNCTION switch to VOX.

Tube socket V10 pin 1	2 megohm
Tube socket V2 pin 9	25 megohm
9 in section 2C	0 Ω
Mic #2	20 megohm

Set the FUNCTION switch to TUNE.

*With OPTIONAL resistors installed.

TEST POINT	RESISTANCE
Tube socket V10 pin 1	2 megohm
Tube socket V2 pin 9	0 Ω
9 in section 2C	0 to 20 KΩ (adjust with TUNE LEVEL control)
Mic #2	0 Ω

Set the FUNCTION switch to PTT and the Meter switch to OPERATE TUNE.

NOTE: Use the OHMS x 100 scale. Just touch the test point and note that the S meter deflects; do not attempt to measure the resistance.

13 in section 1B	S Meter deflects (direction depends upon ohmmeter polarity)

Set the FUNCTION switch to TUNE and use the OHMS x 100 scale.

H in section 4A	S Meter deflects

Set the FUNCTION switch to PTT and the Meter switch to BIAS SET. Use the OHMS x 1 scale.

25 in section 5C	Meter deflects (opposite direction)

Set the FUNCTION switch to OFF.

SPKR jack	0.4 Ω
RELAY jack	Infinity, then press relay for 0 Ω
ANT jack	0.4 Ω, then press relay for 10 KΩ
RCVR jack	0.1 Ω
1 in section 1C	15 KΩ, then press relay for 0 Ω
3 in section 4B	0 to 10 KΩ (adjusts with RF GAIN control) then press relay 100 KΩ

This completes the Initial Tests. If all resistance readings were in agreement with the chart (or within ±20%), install the tubes in their proper sockets, and the pilot lamps in the pilot lamp sockets. See Pictorial 19 (fold-out from Page 47). Position pilot lamp socket PL1 so the lamp clears the meter.

CAUTION: When installing the tubes, support the circuit board from underneath with a finger to prevent circuit board damage.