

## Lafayette HE-30 Voltage Measurements

### Voltages taken with receiver controls in the following positions:

- BANDSPREAD pointer at 0 on Logging Scale.
- MAIN TUNING pointer at 0 on Logging Scale.
- FUNCTION switch on REC AM.
- AF GAIN fully counter-clockwise [minimum].
- SELECTIVITY control on CW-SSB.
- BFO-Q-MULT FREQUENCY control on mid position [white dot]
- BAND SEL on .55-1.6
- IF GAIN control fully counter-clockwise [minimum].
- MVC-AVC switch on AVC.
- ANL switch in "off" position.
- Short A1, A2 and E with jumper wire.
- Voltage selector switch in 117 volt position.

			<i>Pin numbers, clockwise from below</i>								
#	Type	Function	1	2	3	4	5	6	7	8	9
V1	6BA6	RF	0	0	6.3 VAC	0	135	135	3.5	-	-
V2	6BE6	Mixer	-7.7	3.6	6.3 VAC	0	125	125	-	-	-
V3	6BE6	OSC	-7.7	0	6.3 VAC	0	125	125	125	-	-
V4	6AV6	Q-Multiplier	**2.2 MΩ	3.3 kΩ	6.3 VAC	0	0	0	135	-	-
V5	6BA6	1 <sup>st</sup> IF	0	0	6.3 VAC	0	135	135	19	-	-
V6	6BA6	2 <sup>nd</sup> IF	0	0	6.3 VAC	0	135	135	19	-	-
V7	6AV6	Detector, ANL, 1 <sup>st</sup> Audio	-0.3	0	6.3 VAC	0	-0.06	-0.08	70	-	-
V8	6AQ5	Audio Output	0	7	6.3 VAC	0	200	135	N.C.	-	-
V9	5Y3	Rectifier	N.C.	205	N.C.	200	N.C.	200	N.C.	205	-

\* Place FUNCTION in Q-MULT position and remove V4 from socket. Check voltages from top of socket [numbering is now counter-clockwise].

\*\* Resistance measurement taken at these pins - REMOVE AC POWER FROM RECEIVER FIRST

1. Voltages taken with 20,000 ohms per volt meter and, unless otherwise noted, measured from chassis ground to joint indicated.
2. Line voltage maintained at 117V AC for these measurements.
3. Tolerance of components permits a variation of +-15% in readings.
4. All voltages DC unless otherwise noted.