

across the contact you are using. If there is too much resistance, contact the exciter's manufacturer about possible solutions to the problem.

#### SECTION 3.4 TRANSFORMER TAPS

The amplifier is normally factory wired for 220-230 VAC, 3 wire, 60 Hz operation unless specially ordered otherwise. If the AC mains are different then you will probably have to make a modification in the power supply.

50 HZ OPERATION - Unlike most other amplifiers on the market, most Henry amplifiers use a resonant filter choke. The choke is factory resonated at 60 Hz unless otherwise specified. For 50 Hz operation a third resonating capacitor must be added. This will be done at the factory if specified at the time of order.

FILAMENT TRANSFORMER - The filament transformer is marked ECA 1226 (3K Classic) or ECA 1194 (5K Classic). They are factory tapped for 230 VAC operation. If the AC line voltage is significantly different, you must rewire the taps on the transformer (located in the power supply section).

ECA 1226	ECA 1194
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Tap 1 - Common----	Tap 1 - Common-----
Tap 2 - 200 VAC---	Tap 2 - 200 VAC---
Tap 3 - 210 VAC---	Tap 3 - 210 VAC---
Tap 4 - 220 VAC---	Tap 4 - 220 VAC---
Tap 5 - 230 VAC---	Tap 5 - 230 VAC---
	Tap 6 - 240 VAC---

NOTE: The nominal filament voltage at the tube is 7.5 VAC. The amplifier does not meter filament voltage, so you must use an external AC voltmeter to measure the filament voltage at pin jacks on the back panel of the RF chassis. The 3K Classic should measure close to 7.8 VAC at the pin jacks. The 5K Classic filaments are in series and the voltage should read about 15.6 VAC. becaif the voltage varies more than 5% from these figures, the taps on the filament transformer should be changed.

HIGH VOLTAGE TRANSFORMER - The 3K Classic Mark II domestic amplifier is supplied with the ECA 1120A. The primary tap connections are listed below:

ECA 1120A
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230 VAC-----Tap 1
-----Tap 3
-----Tap 5
230 VAC-----Tap 7

The 3K Classic X and 5K Classic are supplied with one of the following high voltage transformers: