

SSL 82E132 "Orange" EQ Alignment Instructions

Feed in to Line Input 1kHz at +4dBu, measure at Insert Output.

Set gain controls at their detent position, and HP and LP filters to minimum. If filter pots are switched type, then turn them clockwise (CW) so they are 'just on'.

Set "LF ∇ 0dB" preset for unity gain when the EQ is switched in.

Turn "LMF +/- Max" and "LMF Q" presets fully anticlockwise (ACW), ensure front panel (FP) Q pot is at max Q. Turn FP gain pot to max boost and adjust the FP frequency pot to peak the output.

- 1) Set "LMF Q" preset for +20dB
- 2) Turn FP Q pot to min Q
- 3) Set "LMF +/- Max" preset for 11.7dB
- 4) Reset FP Q pot to max Q and repeat steps 1-3 as the controls interact. When correct return FP gain pot to click position

Repeat the above for the HMF section (It too can be done at 1kHz, or any frequency within the HMF range.

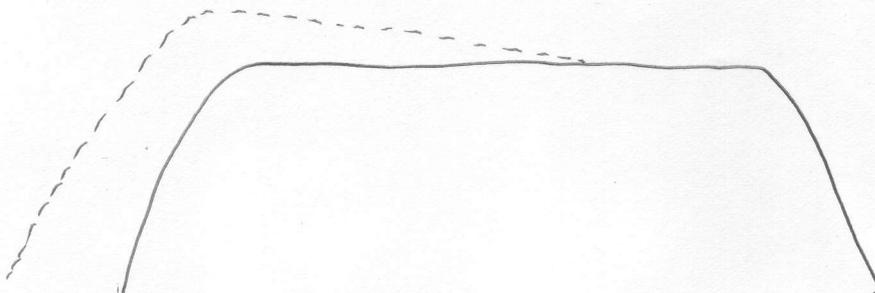
Adjust the "HF +/- Max" and "LF +/- Max" presets with the FP Bell switches in and at frequencies of 10kHz and 100Hz respectively as described for the 82E242, but with a boost/cut of 20dB to match the mid range.

The "LF Filter Corner" preset is more difficult to adjust without the correct equipment.

It really needs some sort of fast, constant sweep, oscillator and a screen to display the resultant 'upside down bathtub' curve that occurs when the FP HP and LP pots are turned fully CW.

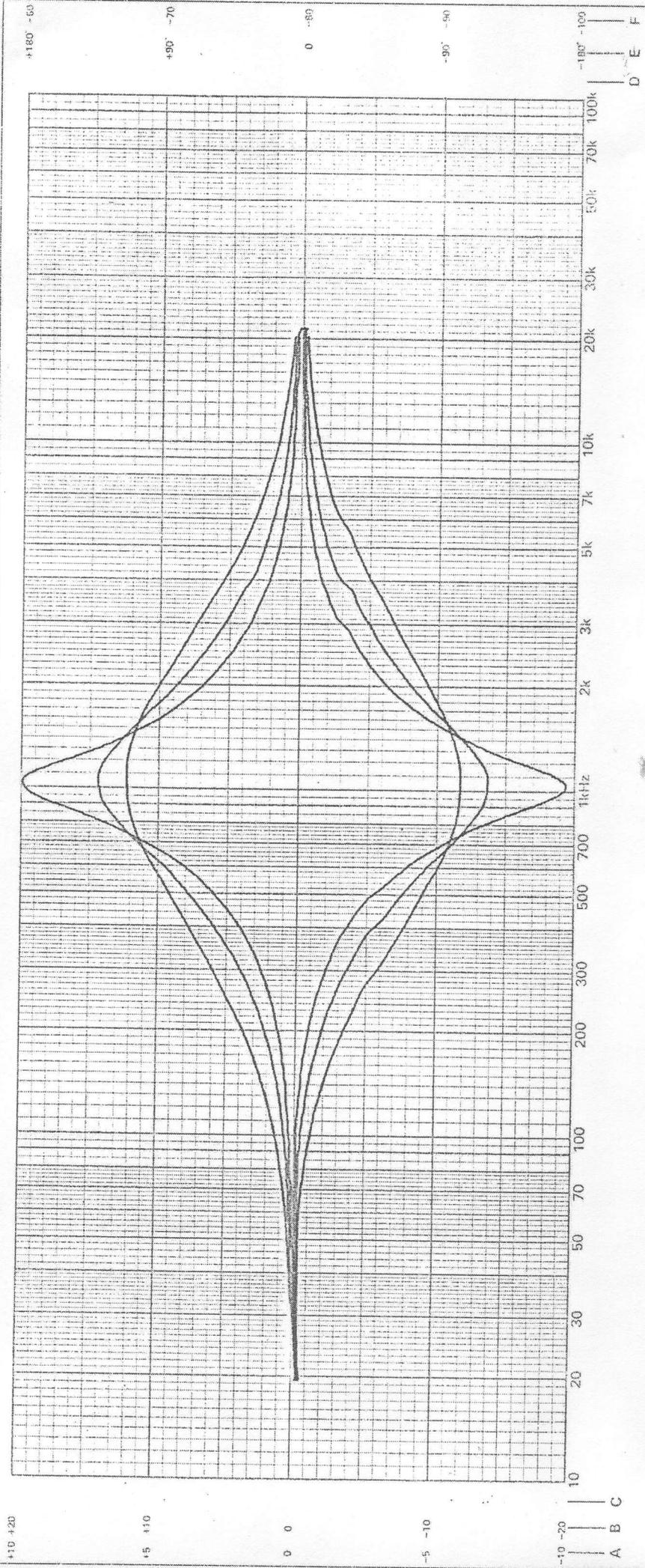
The preset sets the turnover point of the HP to be flat compared to the LP turnover point

See diagram below.



Another problem with trying to set this correctly on the original 661E channel with Brown 82E02 EQ is the fact it only has a 2 gang 47kOhm A/Log HP pot(well 3 gang including the recall section). Whereas the 611 channels that were supplied with Black 82E242 EQ and switched filter has a 3 section 47KOhm pot, the extra section being attached to Pin 7 of the card. Therefore R65 on the 132 card is unterminated and will have an effect on the gain of T11.

If the "LF Filter Corner" preset still has the original sticker covering it, then it is best left alone.



Module	82E132	Serial No.	
Date	8303	Engineer	John East
"Tube Type EQ"			

Test	Scale	Colour	Description
1	B		LMF/HMF 'Q' controls (CW, C, and ACW shown at max boost/cut)

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