Vandersteen Model 7 XTRM Carbon X-Over and Sub Set Up Data

PART ONE: SETTING THE MODEL 7 XTRM HIGH PASS X-OVER TO 100 HZ.*

THE MOST IMPORTANT FIRST STEP IN THE SETUP IS SETTING THE 3DB DOWN POINT ACCORDING TO THE INPUT IMPEDANCE OF THE CUSTOMER'S (MAIN) AMPLIFIER. THIS PROCESS IS MORE ACCURATE. THAN LOOKING UP THE INPUT IMPEDANCE SPECIFICATION. TAKE ANY DIGITAL VOLTMETER SET TO AC VOLTS. WITH THE MAIN AMPLIFIER PROPERLY HOOKED UP TO THE MAIN SPEAKERS, VOLT METER ACROSS THE BLACK AND RED OUTPUT TERMINALS. PLAY THE PROVIDED VANDERTONES TEST DISC II TRACK 27 (1000HZ) ADJUST THE PREAMP VOLUME FOR EXACTLY 1 VOLT. PLAY TRACK 31 (100HZ) AND THE VOLTAGE SHOULD BE .707 VOLTS. IF IT IS HIGHER THAN .707 ADJUST THE M7- HP CROSSOVER TO A HIGHER IMPEDANCE SETTING. IF THE VOLTAGE IS LESS THAN .707 ADJUST THE M7-HP TO A LOWER IMPEDANCE SETTING RUN THE PROCESS AGAIN ONCE YOU MAKE THE CHANGE TO VERIFY THAT THE IMPEDANCE SETTING IS CORRECT.

PART TWO: SETTING THE 11-BAND BASS EQ SETTINGS UP TO 200 HZ. WITH HIGH PASS SET TO 100 HZ.*

-Vandertones Disc II is only calibrated for a Radio Shack Analog SPL meter set on 70 Db scale "C" weighting "FAST" response.
-Make sure the Level on the back of the speaker is set to "0" and the Contour set to "1".
-Place the Radio Shack Analog SPL meter at the listening position ear level.

***PLEASE NOTE: X-OVER IS SET TO 100 HZ. AND 11 BAND BASS EQ UP TO 200 HERTZ. SEE MANUAL OR MORE DETAIL.**

Vandertone Track Left Channel	Frequency	+/- Reading compared to 70 db	1/3 of Reading Target	Measured Outcome 1	Measured Outcome 2
Track 34 pot 1	20 Hz				
Track 35 pot 2	24 Hz				
Track 36 pot 3	30 Hz				
Track37 pot 4	36 Hz				
Track 38 pot 5	42 Hz				
Track39 pot 6	50 Hz				
Track 40 pot 7	60 Hz				
Track 41 pot 8	72 Hz				
Track 42 pot 9	**100 Hz**				
Track 43 pot 10	**135 Hz**				
Track 44 pot 11	**180 Hz**				

Vandertone Track Right Channel		+/- Reading compared to 70 db	1/3 of Reading Target	Measured Outcome 1	Measured Outcome 2
Track 45 pot 1	20 Hz				
Track 46 pot 2	24 Hz				
Track 47 pot 3	30 Hz				
Track 48 pot 4	36 Hz				
Track 49 pot 5	42 Hz				
Track 50 pot 6	50 Hz				
Track 51 pot 7	60 Hz				
Track 52 pot 8	72 Hz				
Track 53 pot 9	**100 Hz**				
Track 54 pot 10	**135 Hz**				
Track 55 pot 11	**180 Hz**				