BX30 Service Manual

Notes regarding the limiter:

A new and less noisy limiter was introduced from approx. June 2000. Circuit board version JDP6310-L-2 can be modified to this limiter if returned to the factory.

Circuit board version JDP6310-L-1 can not be modified.

Changes are:

Limiter section:

R113 : 0E link R175 : removed IC13 : removed

Limiter sub-PCB (362002) mounted

C129 : removed R103 : removed D20 : removed

New resistor 68Kohm from IC15B pin5 to GND (not the audio-GND)

New wire link from T1 emitter on Limiter sub-PCB to TP11 on main board

Detect section:

R55 : removed R56 : removed R54 : 47Kohm

Test measurements / adjustments:

Idle current:

measure from TP301 to TP302: $15mV \pm 1mV$ (adjust R161)

Limiter (**old** limiter version, sub-PCB (362002) is **not** mounted): measure TP101 to JP3-2(ground): $-1,1V \pm 0,01V$ (adjust R105)

Settings:

LEVEL

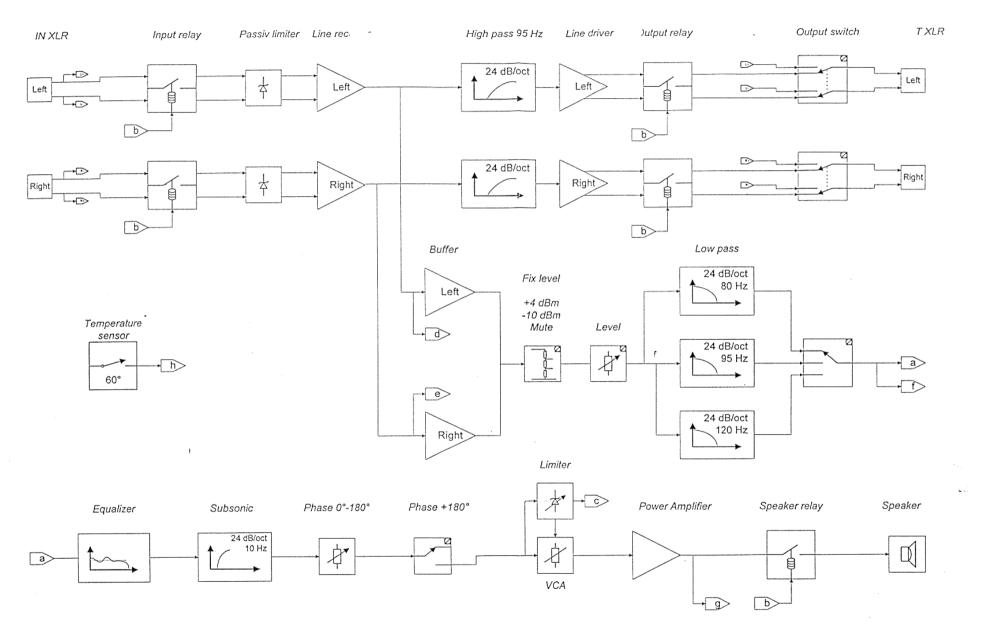
Calibration: Max Sensitivity: +4dBm

PHASE

Calibration: 0°
Polarity: 0°
CROSSOVER: 120Hz

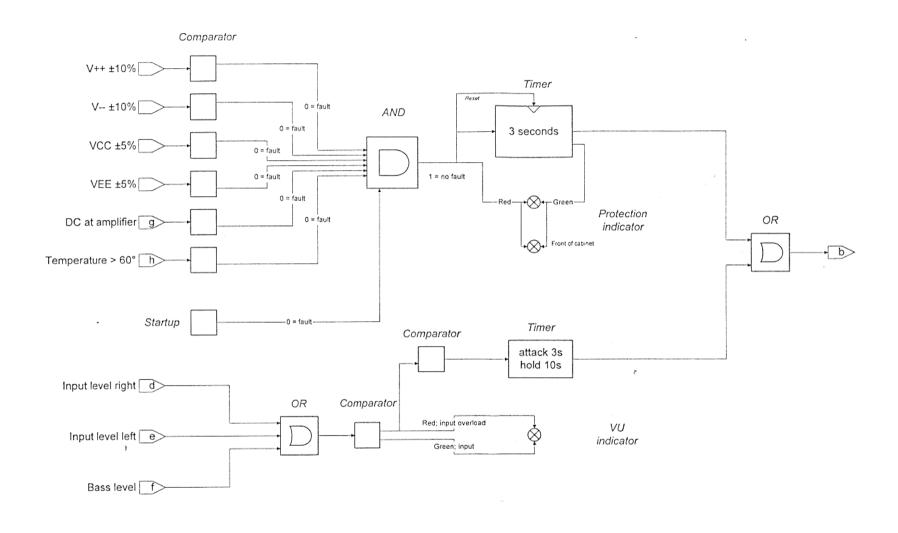
Frequency	16	20	25	31,5	40	50	63	80	100	125	160	Hz
Input: -20dBu*												
AmpOut: JP3 pin1	11	21	23	23	20	18	19	21	21	19	12	dBu
Limiter LED ON												
@ input level*:	-11	-16	-15	-13	-10	-8	-8	-10	-10	-8	-1	dBu
Detect O/L LED ON												
@ input level*:	-6	-12	-12	-12	-11	-11	-10	-7	-1	1	-4	dBu

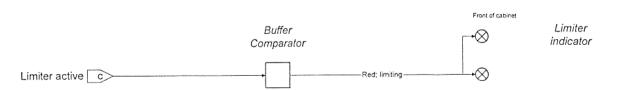
^{*}Generator connected to both inputs





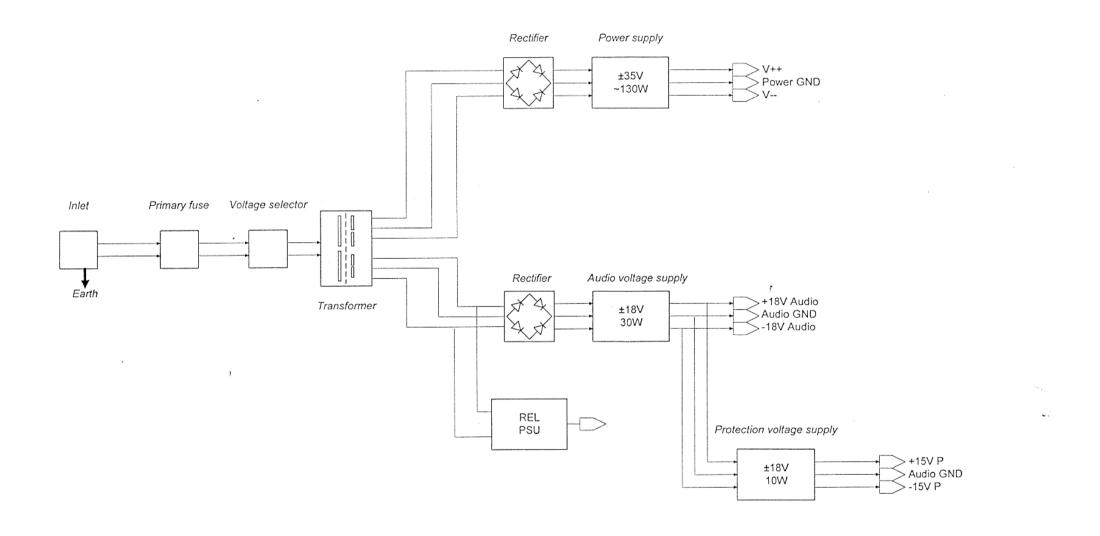
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	REVISED	10 Aug, 1998	DATE	19-11-97
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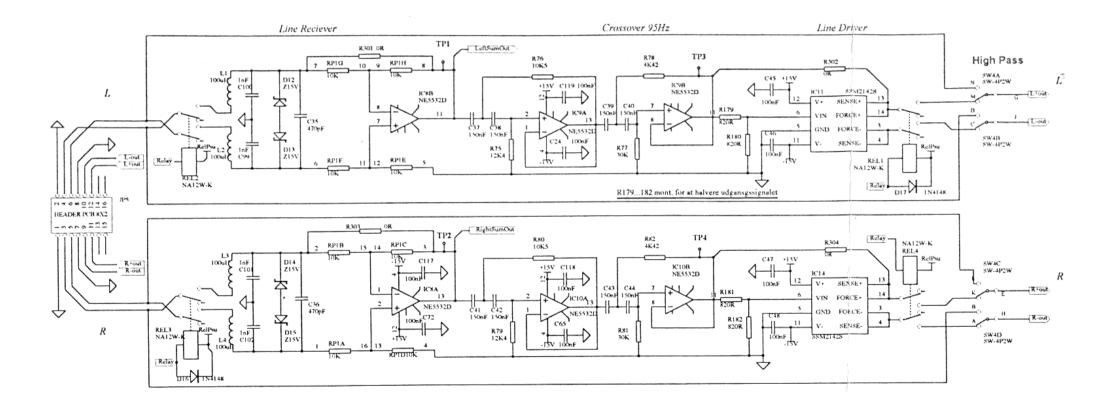


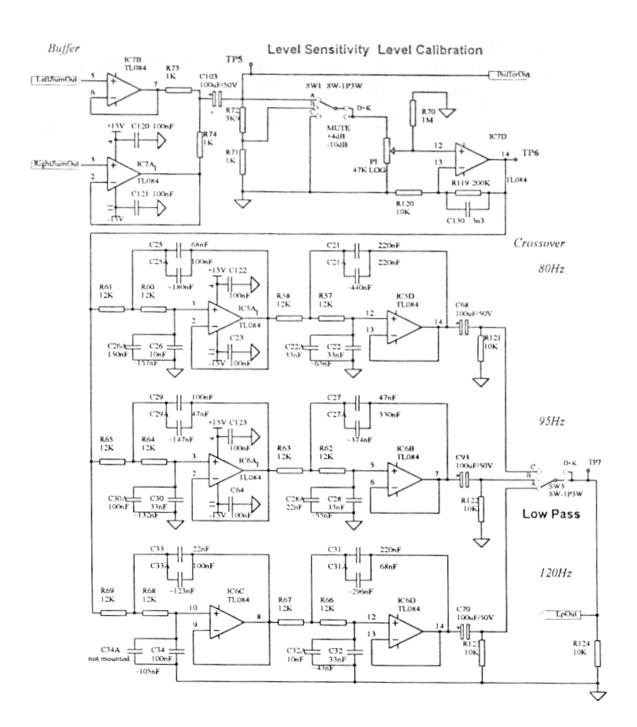
DYNAUDIO

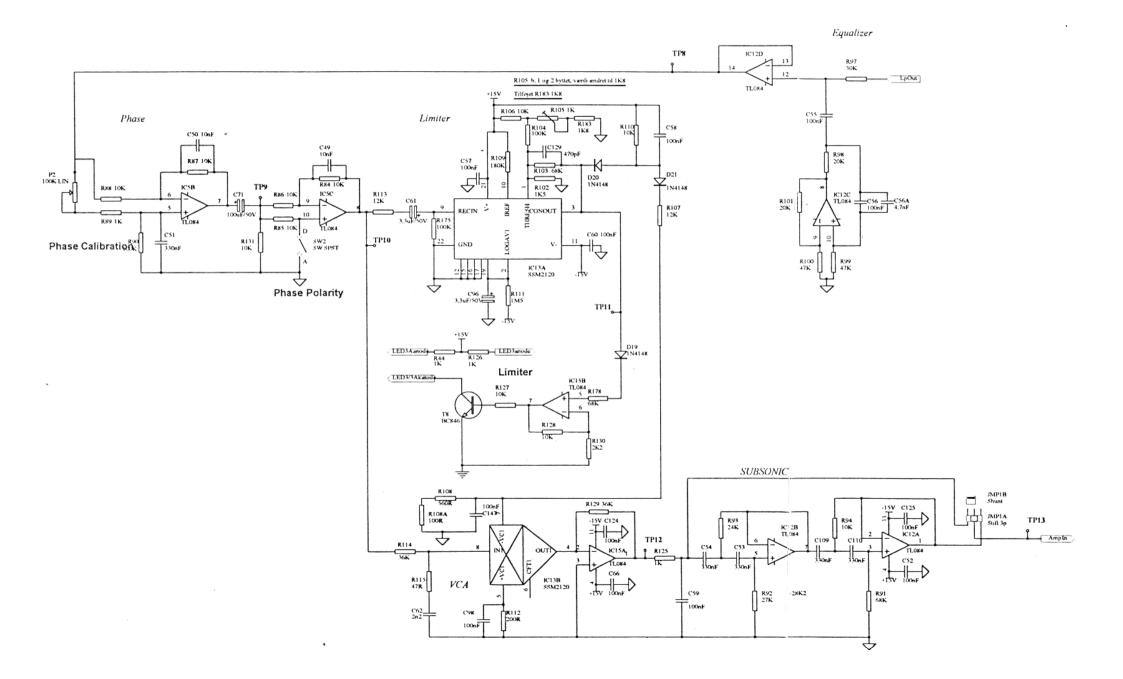
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REVISED	10 Aug, 1998	DATE	19-11-97

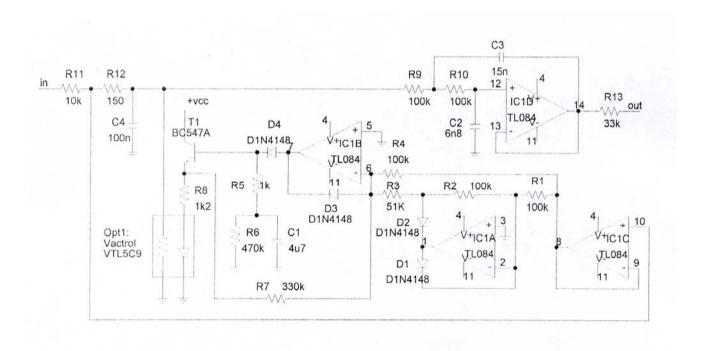


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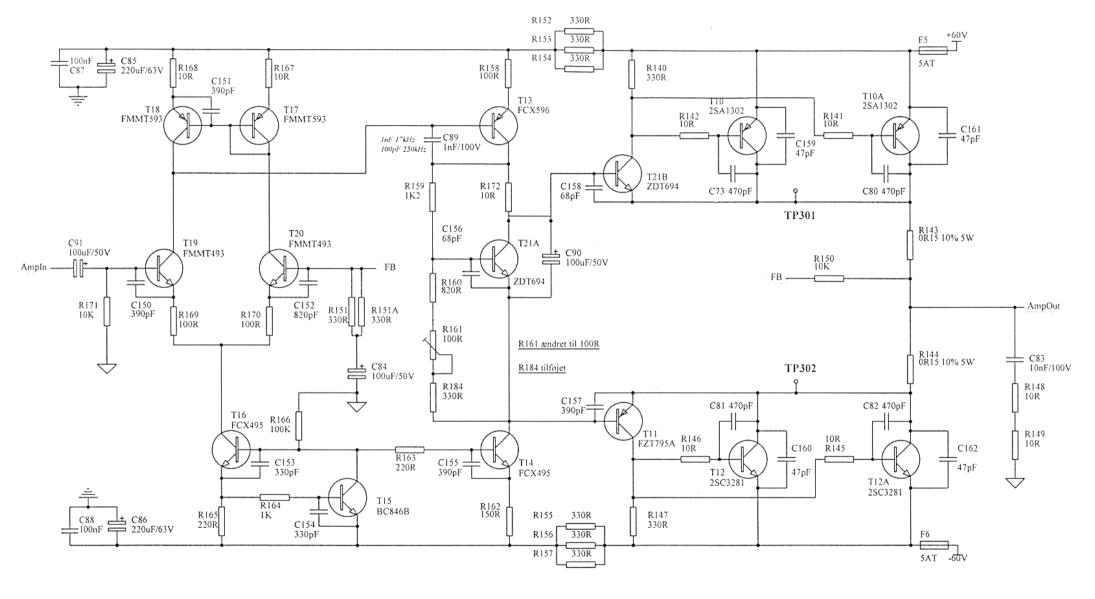








Limiter sub-PCB (362002) was introduced from approx. June 2000. Circuit board version JDP6310-L-2 can be modified to this limiter if returned to the factory. Circuit board version JDP6310-L-1 can not be modified.



Title	BX30, SA130 1.2	
Size A4	Number Power Amplifier	Revision A
Date: File:	20-Oct-1999 Sheet 3 C:\ADVLAGER\BX3012\BX30PA12, \$\textbf{SUFH}\text{vir} I	

