LEFT
IN

RIGHT
IN

MAIN
AC

12V AC

+U

-U

+U

+U

+U

-U

-U

100nF

100nF

100nF

100nF

100nF

100nF

100nF

47k

47k

15k

15k

33k

11k 12k 13k

11k 12k 13k

11k 12k 13k

11k 12k 13k

11k 12k 13k

120nF 120nF

150nF 150nF

180nF 180nF

120nF 120nF

150nF 150nF

180nF 180nF

120nF 150nF 180nF

120nF 150nF 180nF

11k 11k

12k 12k

13k 13k

120Hz
90Hz
70Hz

120Hz
90Hz
70Hz

120Hz
90Hz
70Hz

A

B

C

D

E

F

A+B=C+D=E+F=LF353

2
3
1

6
5
7

2
3
1

6
5
7

2
3
1

6
5
7

1k5

1k5

1k5

470k

470k

470k

10k

BC548

BC548

BC548

1N4148

1N4148

1N4148

47k

47k

47k

LEFT
HIGH PASS
OUT

SUBWOOFER
OUTPUT

RIGHT
HIGH PASS
OUTPUT

1N4002

1N4002

1N4002

82E

82E

2x
470uF
25V

2x
470uF
25V

100uF
35V

120k

100k

1uF
25V

820k

1N4148

1M2

741

2
3
1

7
4

39k

BC548

LED
>>MUTE<<

3k9

PRE-SubZero

Designed by Dr.Borivoje Jagodic

**SUBWOOFER**
**input filter**
Design: Dr.B.Jagodic
Feb 1994

L input

R input

+15V

100k

LF353

15k

15k

100k

−15V

33k

LF353 ≈ TL072

+15V

LF353

120nF

11k          11k

150nF

12k          12k

180nF

13k          13k

120nF

150nF

180nF

120Hz

90Hz

70Hz

−15V

470k

1.5k

10k log

OUT

+Vin (30...80V)

*

BC141-16

1.5k

1.2k

100uF

15V

47uF

100nF

470uF

Ground

100uF

15V

47uF

100nF

470uF

1.2k

1.5k

*

−Vin (30...80V)

BC161-16

+15V

−15V