Parsek

LITTLE MARK II & COMBO HEAD

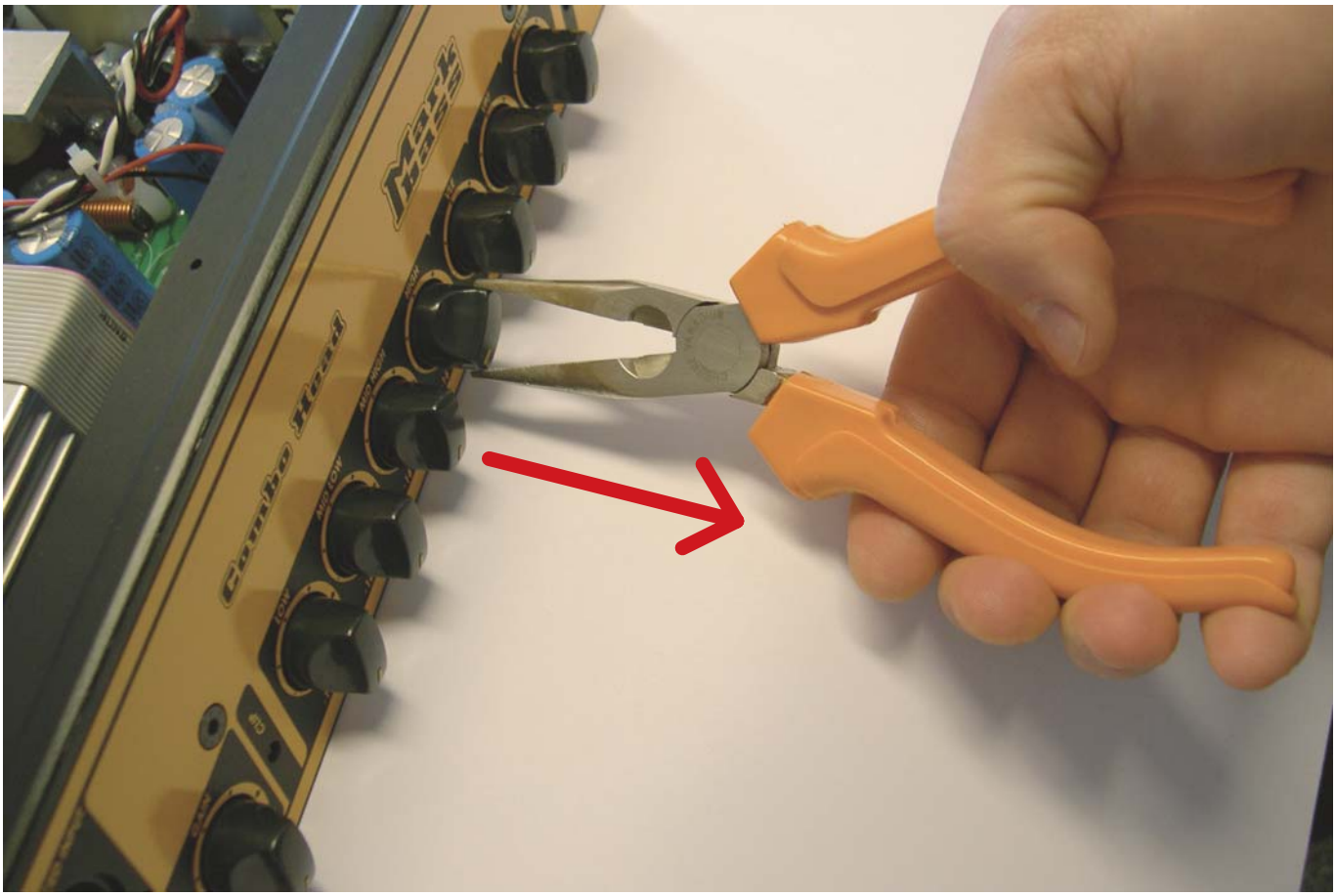
SERVICE MANUAL

Mark bass

2005 EDITION

How to Disassemble the Little Mark II & Combo Head Preamp

1. Remove the eight knobs, pulling out as indicated in the picture.



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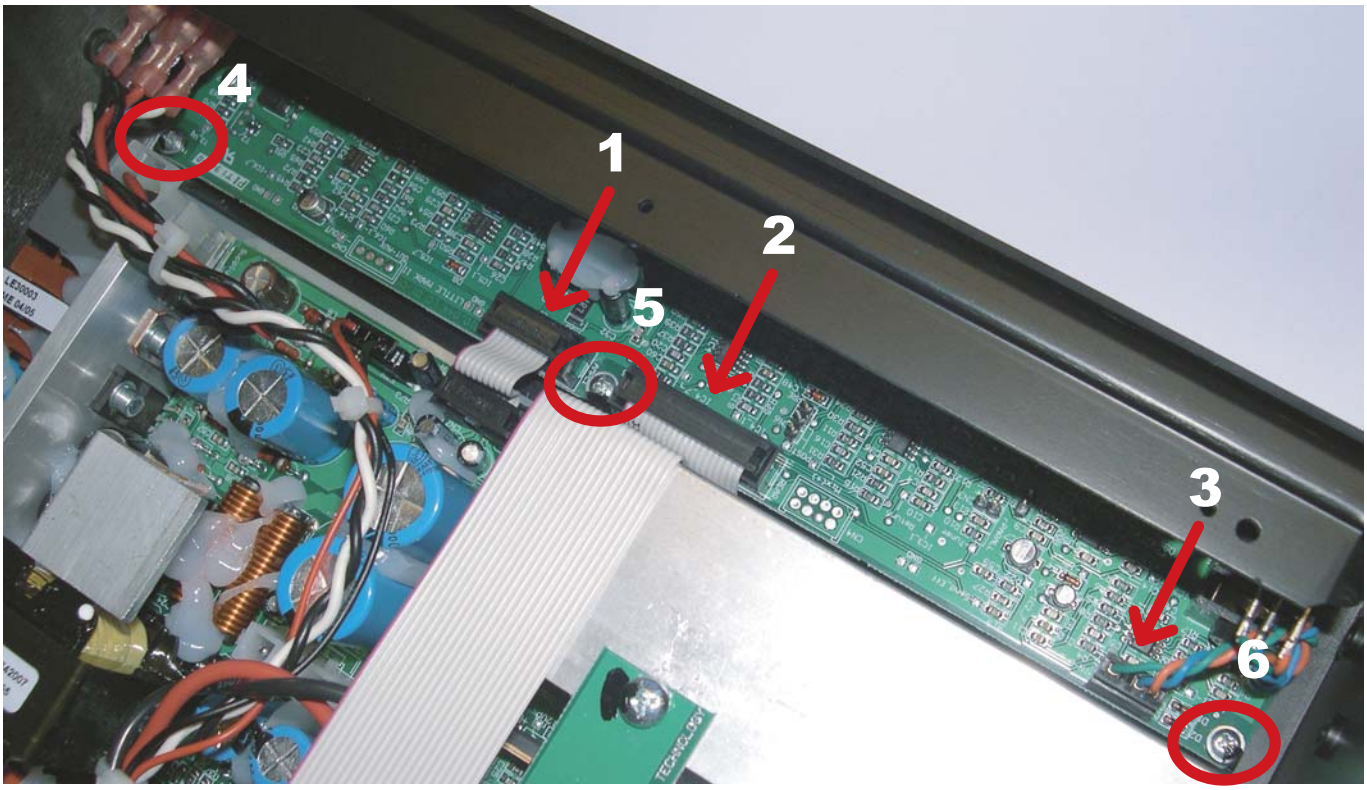
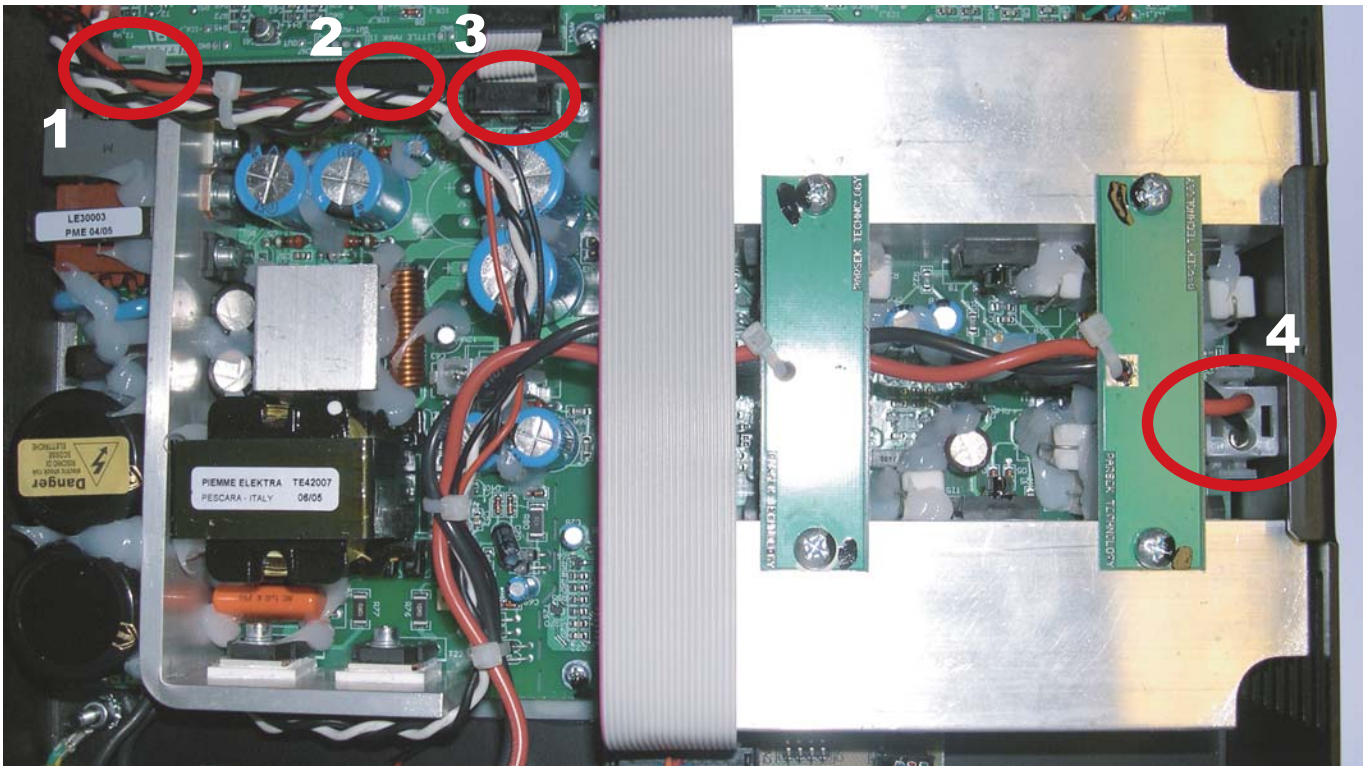
2. Remove the eight silver hexagonal nuts using a 10 or 11 mm nut screwdriver (see white arrow).
3. Remove the black hexagonal nut using a 15 mm nut screwdriver (see red arrow).

4. Remove the three connectors from the preamp (1-2-3).
5. Remove the three screws (4-5-6).



How to Disassemble the Little Mark II & Combo Head Power Amp / Power Supply

1. Remove the four connectors from the power amp / power supply (1-2-3-4).



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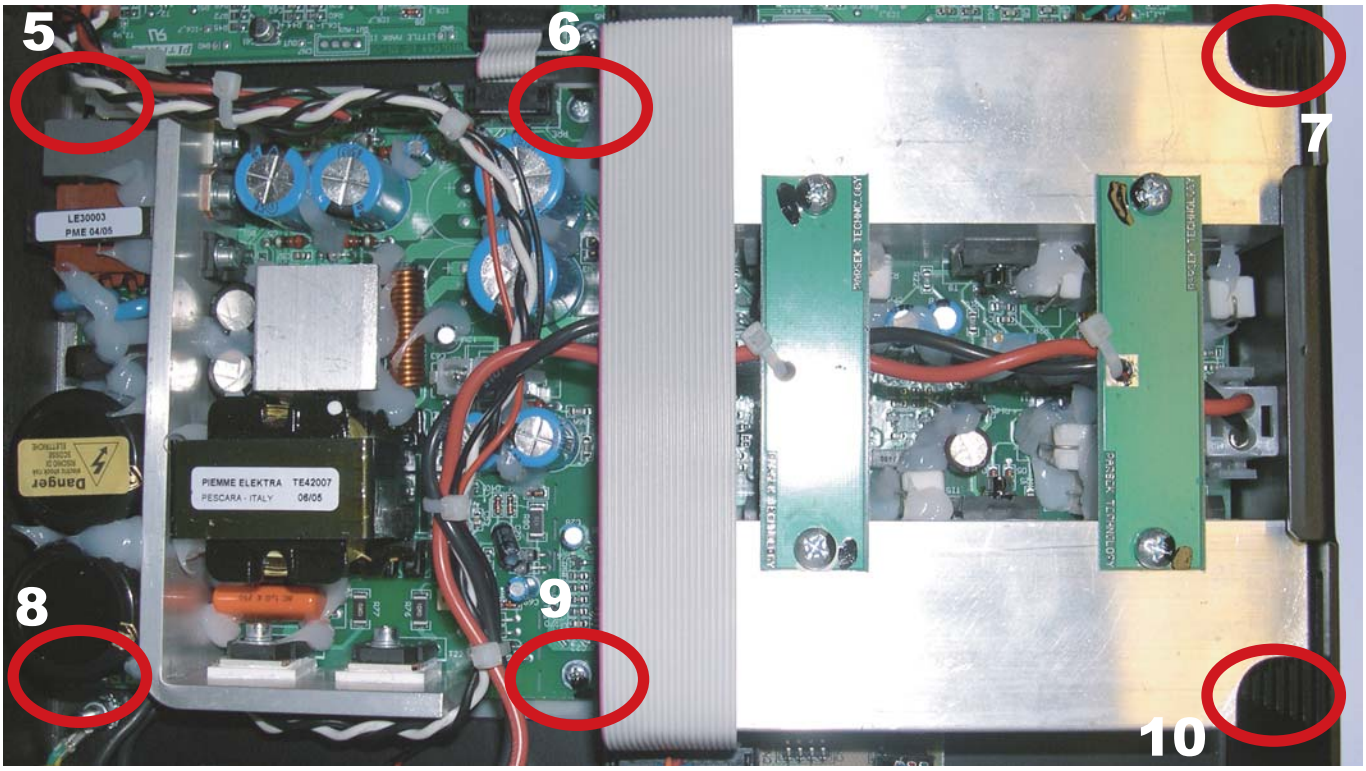
2. Remove the six screws from the power amp / power supply (5-6-7-8-9-10).



How to Disassemble the Little Mark II & Combo Head Front Panel Components

1. Using a screwdriver, remove the two screws of the balanced input (1-2).
2. Remove the two screws with a 2.5 mm hexagonal wrench (3-4).

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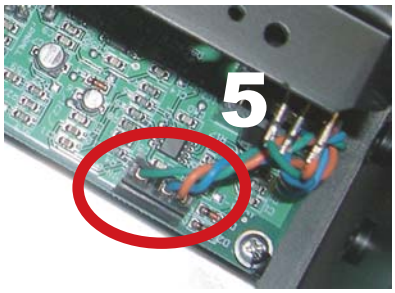
3. Remove the connector from the preamp (5).



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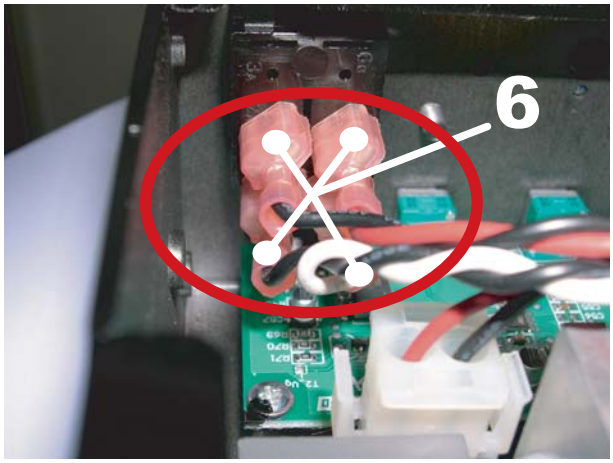
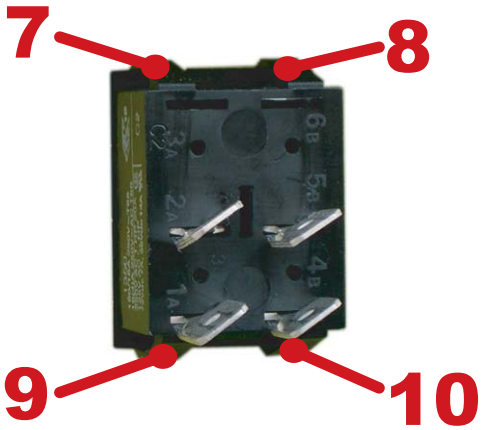
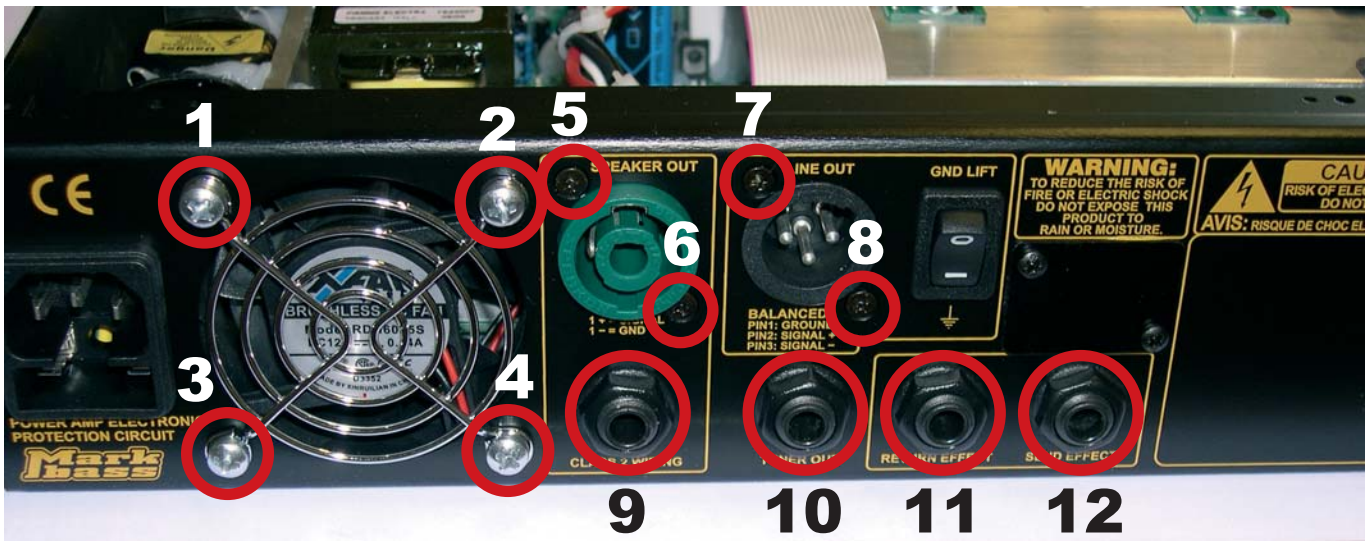
4. Remove the four faston connectors (6).
5. Press on the top (7-8) and bottom (9-10) ends of the power switch to remove it from the panel.



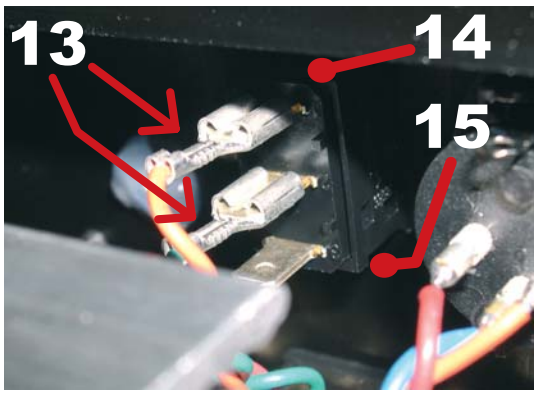


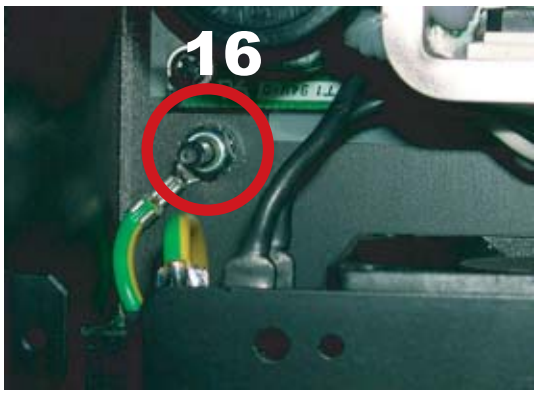
How to Disassemble the Rear Panel Components

1. Using a screwdriver, remove the four screws of the fan (1-2-3-4), the two screws of the speaker out jack (5-6) and the two screws of the line out jack (7-8).
2. Remove the four black hexagonal nuts using a 15 mm nut screwdriver (9-10-11-12).

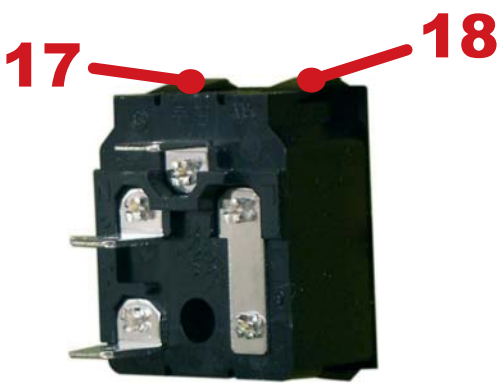


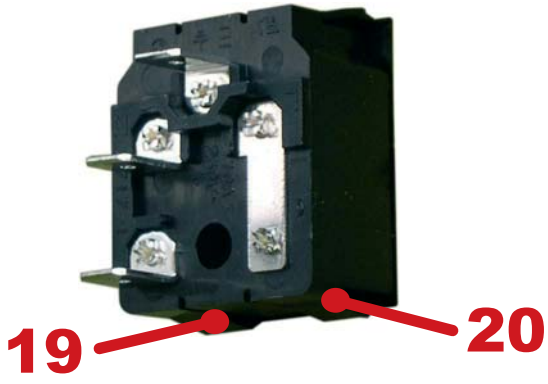
3. Remove the two faston connectors attached to the ground lift switch (13). Then press on the top (14) and bottom (15) ends of the ground lift switch to remove it from the rear panel.
4. Remove the ground hexagonal nut using a 7 mm nut screwdriver (16).





5. Press on the top (17-18) and bottom (19-20) ends of the AC power jack to remove it from the panel.



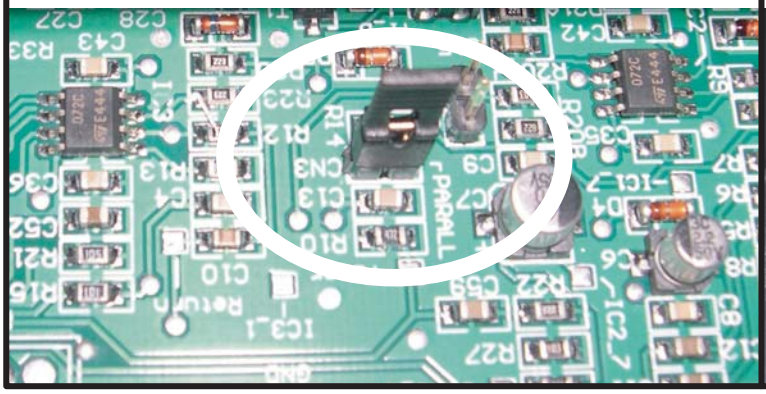


Effects Loop Modification

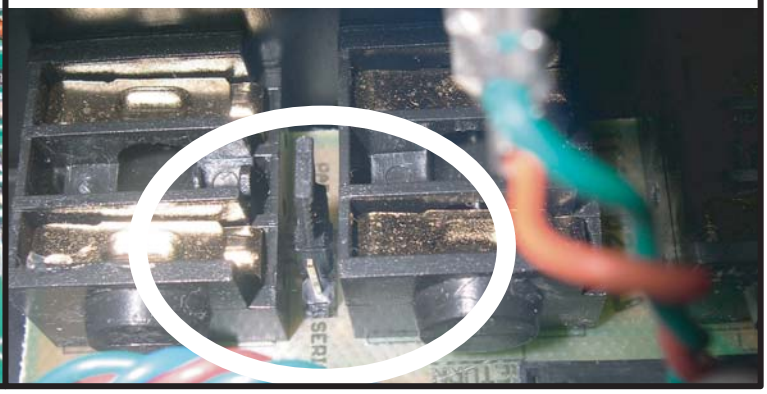
The images below show how the effects loop in your amp can be modified to run in series.
The default factory setting is parallel.
Please note that this modification must be made by qualified Markbass service personnel only.

PARALLEL CONNECTION

LITTLE MARK II / COMBO HEAD PREAMP SECTION

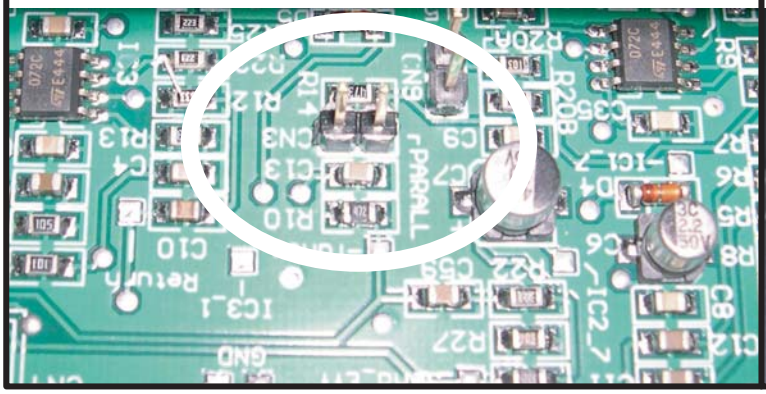


REAR PANEL SECTION

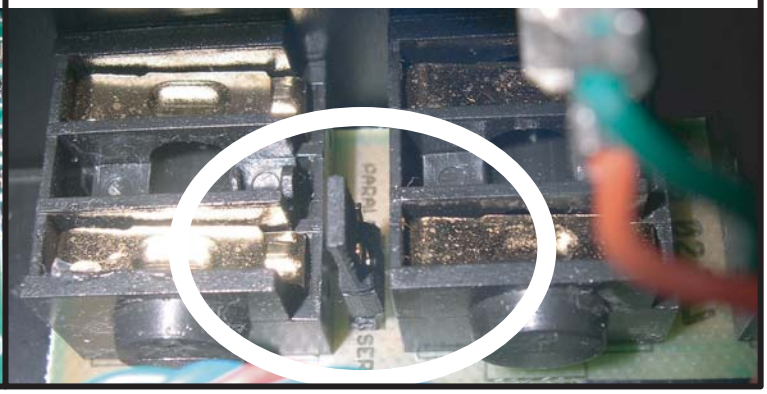


SERIAL CONNECTION

LITTLE MARK II / COMBO HEAD PREAMP SECTION



REAR PANEL SECTION

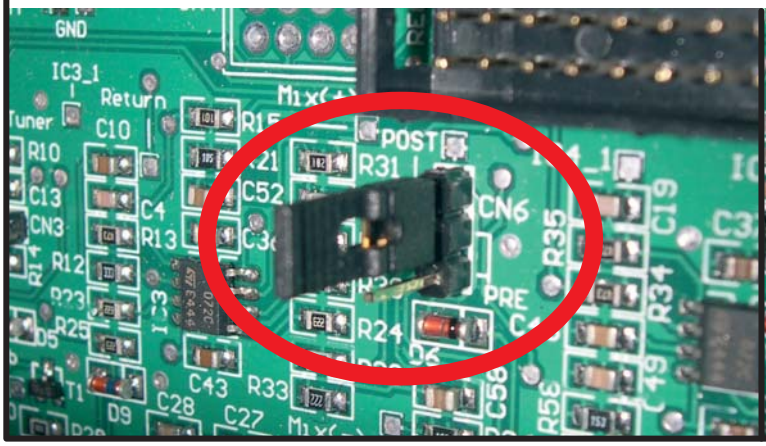


DI Output Modification

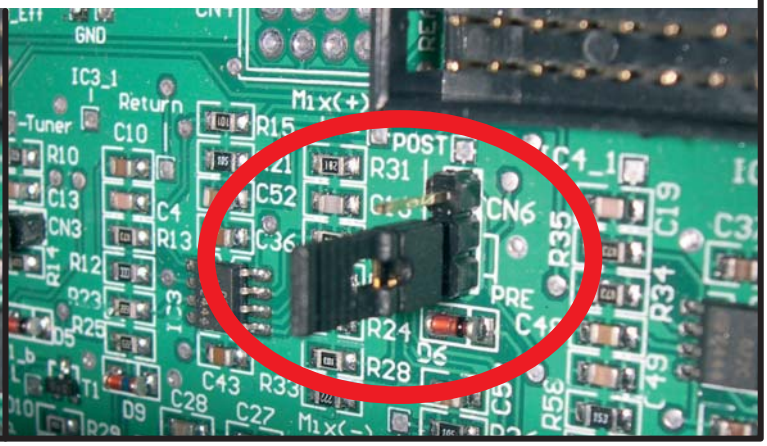
The images below show how the DI output in your amp can be modified to run in PRE equalization.
The default factory setting is POST-EQ.
Please note that this modification must be made by qualified Markbass service personnel only.

POST-EQ

LITTLE MARK II / COMBO HEAD PREAMP SECTION



PRE-EQ



Power Supply Modification

The images below show how your amp can be modified to operate in different countries:

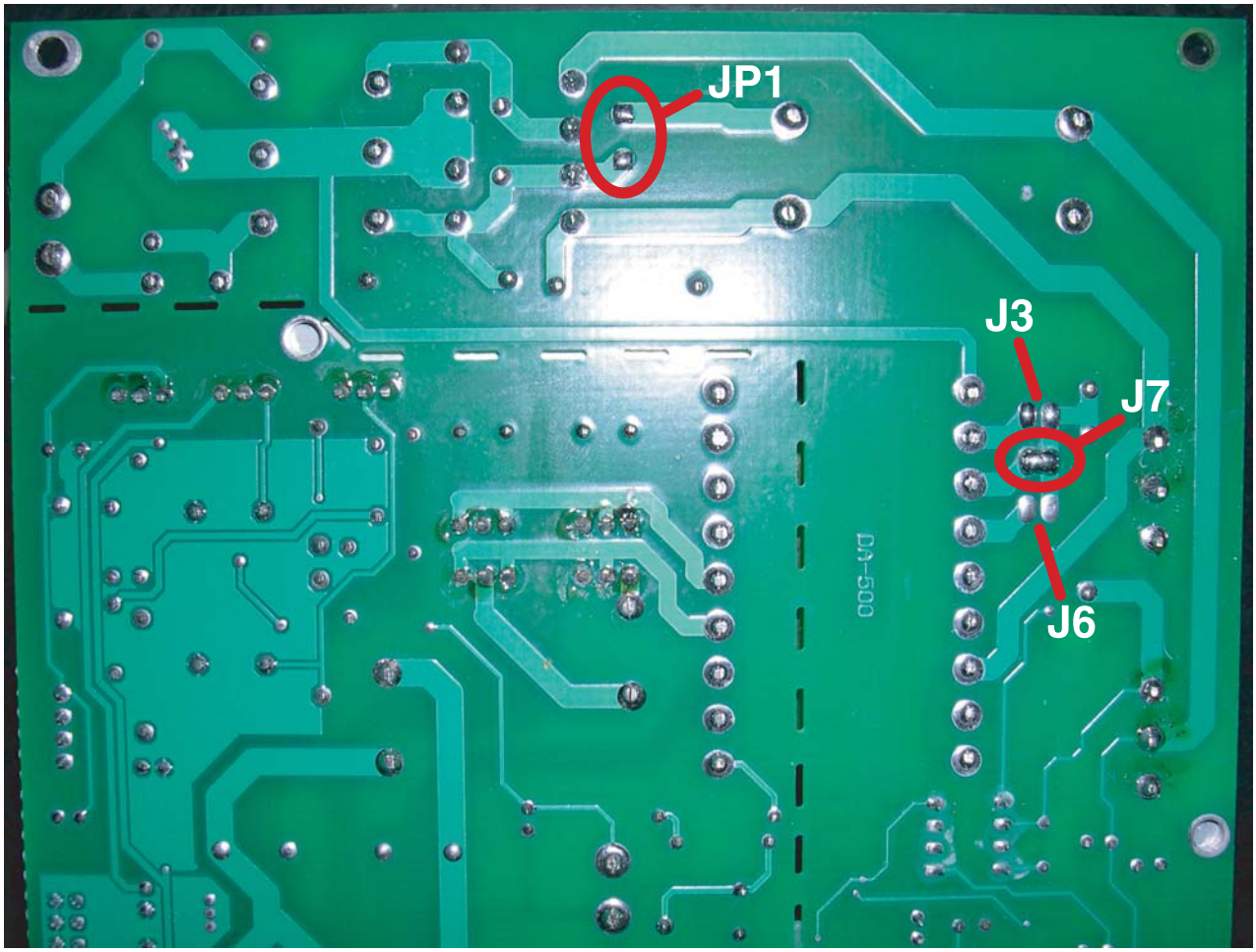
1. EUROPE (230V / 50Hz)
2. UK / AUSTRALIA (240V / 50Hz)
3. USA / CANADA (120V / 60Hz)
4. JAPAN (100V / 50-60Hz)

For detailed information on voltage requirements in other countries, please consult the "International Voltage Chart" included on the CD.

Please note that this modification must be made by qualified Markbass service personnel only.

1. EUROPE MODIFICATION

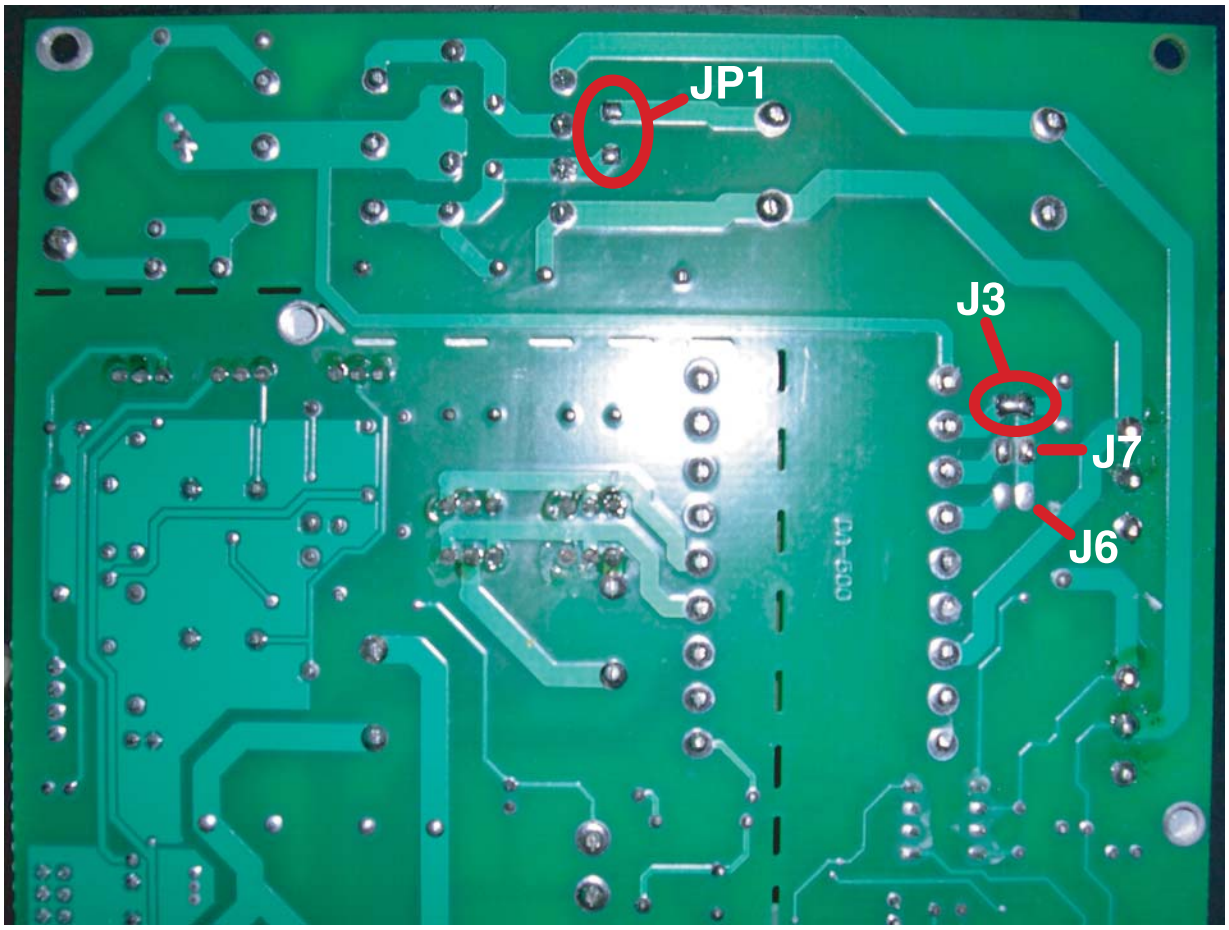
230V - JP1 open - J3 open - J6 open - J7 closed



Power Supply Modification

2. UK / AUSTRALIA MODIFICATION

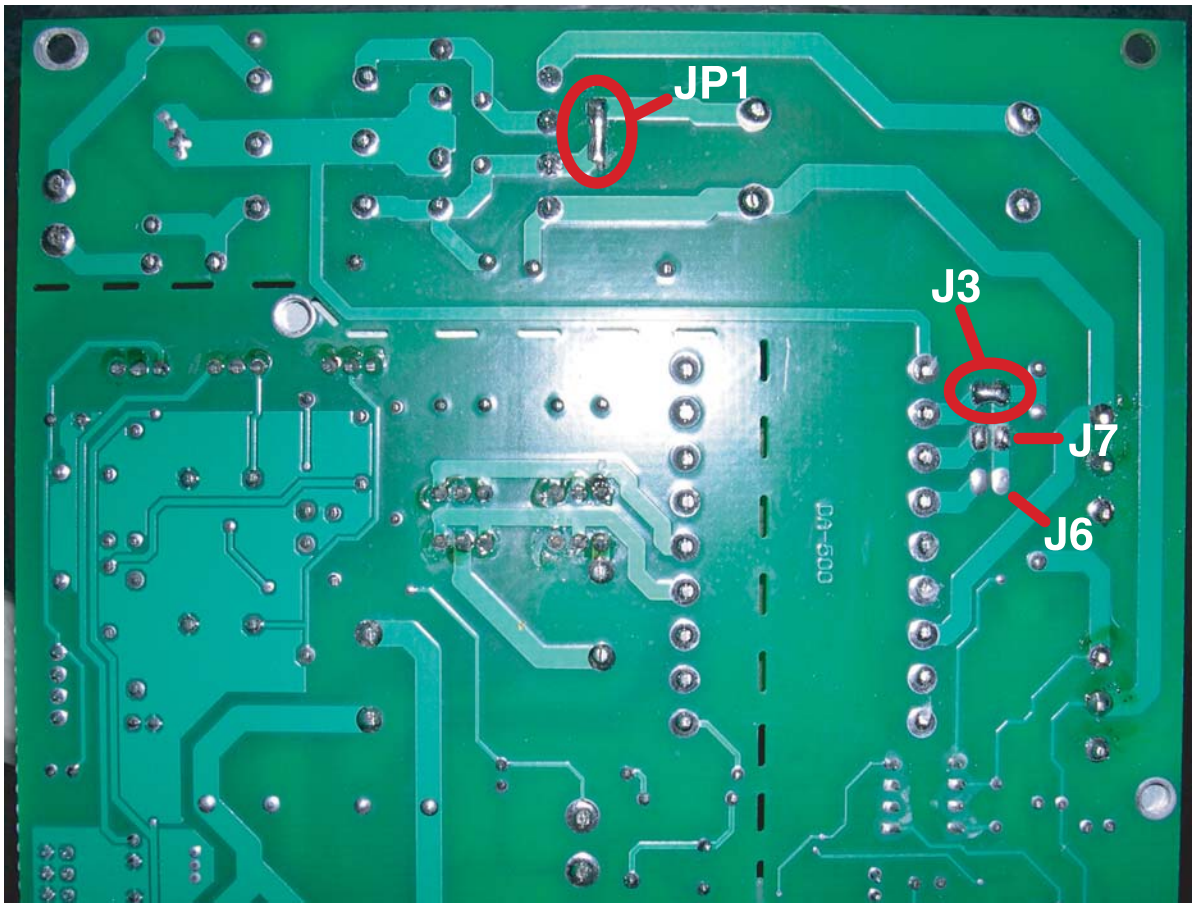
240V - JP1 open - J3 closed - J6 open - J7 open



Power Supply Modification

3. USA / CANADA

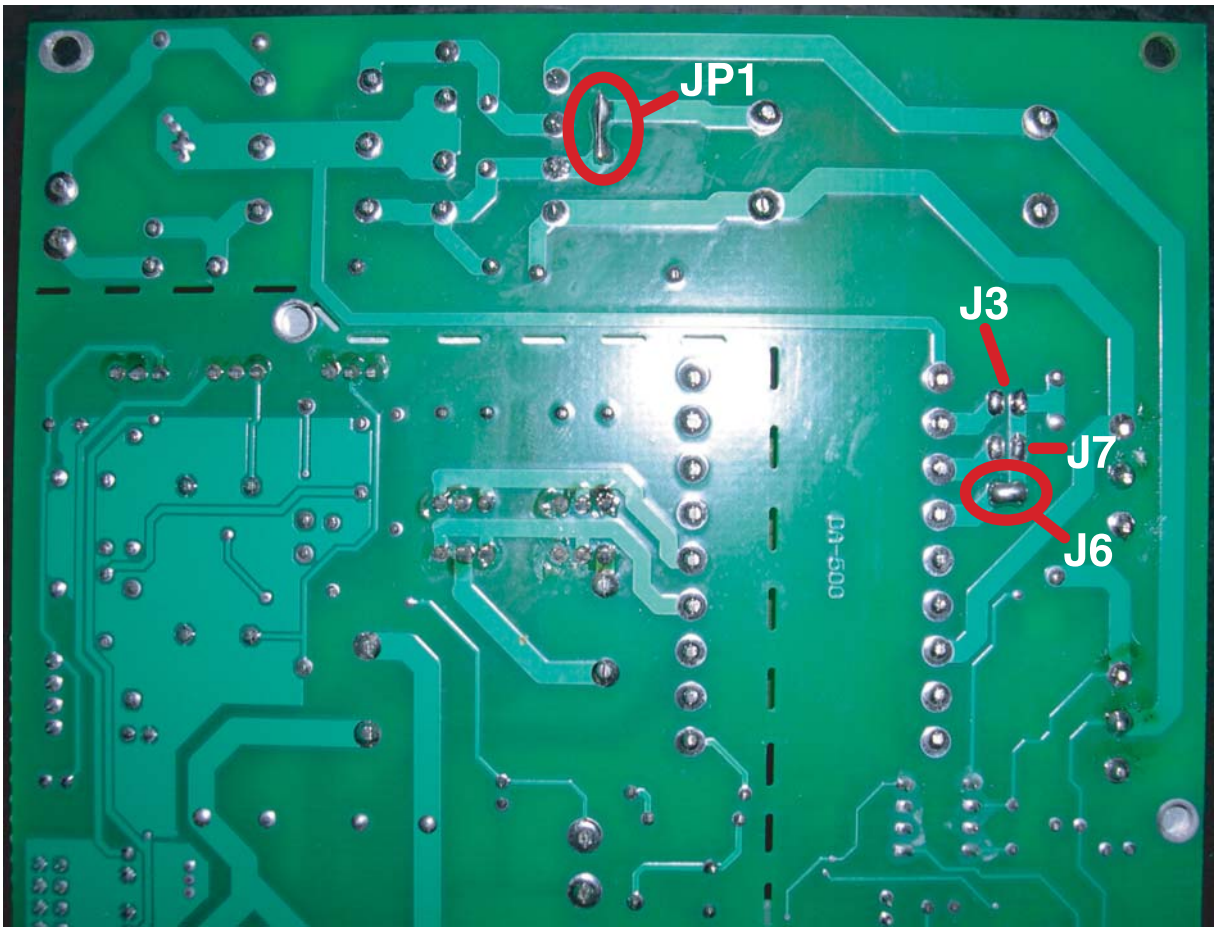
120V - JP1 closed - J3 closed - J6 open - J7 open

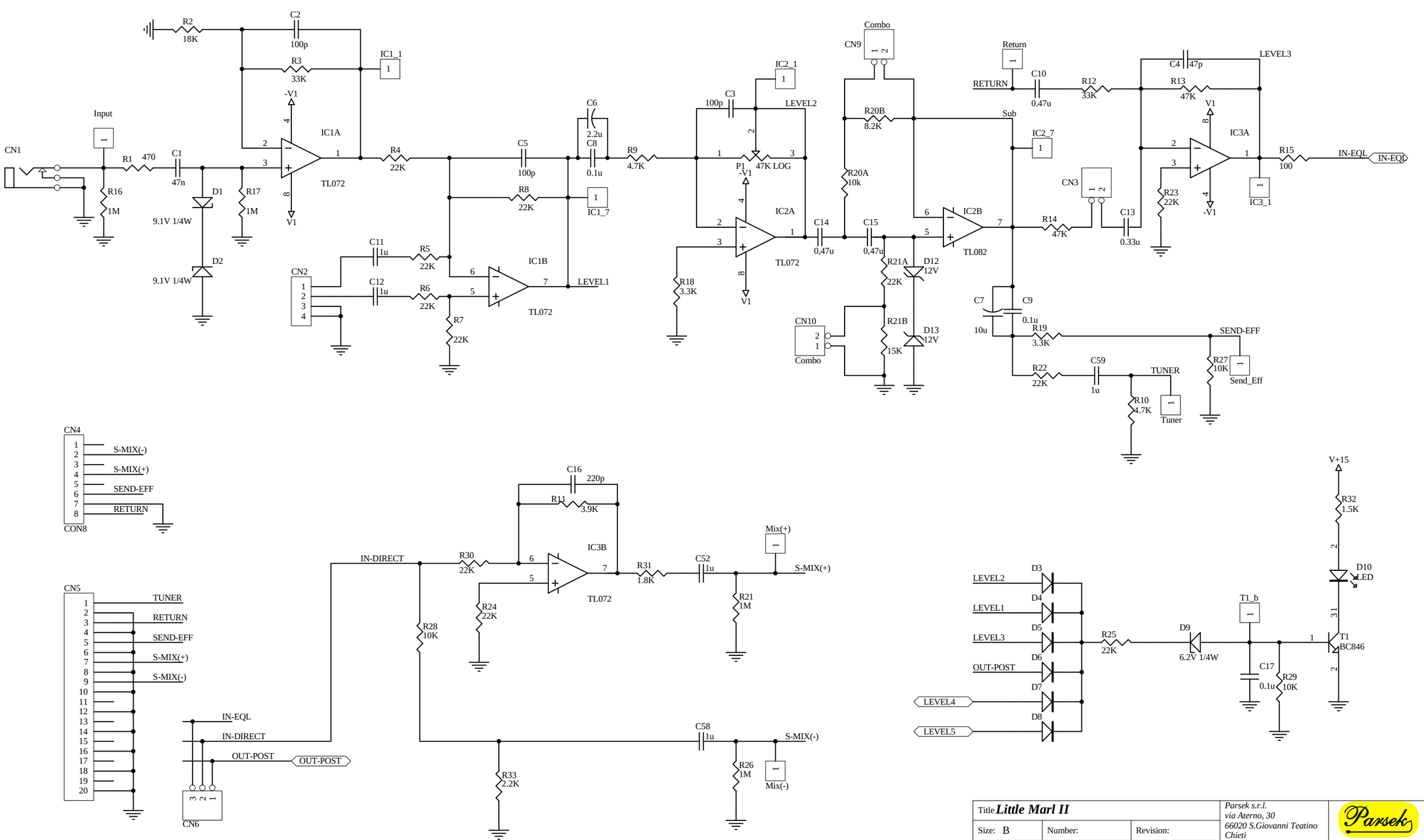


Power Supply Modification

4. JAPAN

100V - JP1 closed - J3 open - J6 closed - J7 open





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File: Sheet1.Sch			

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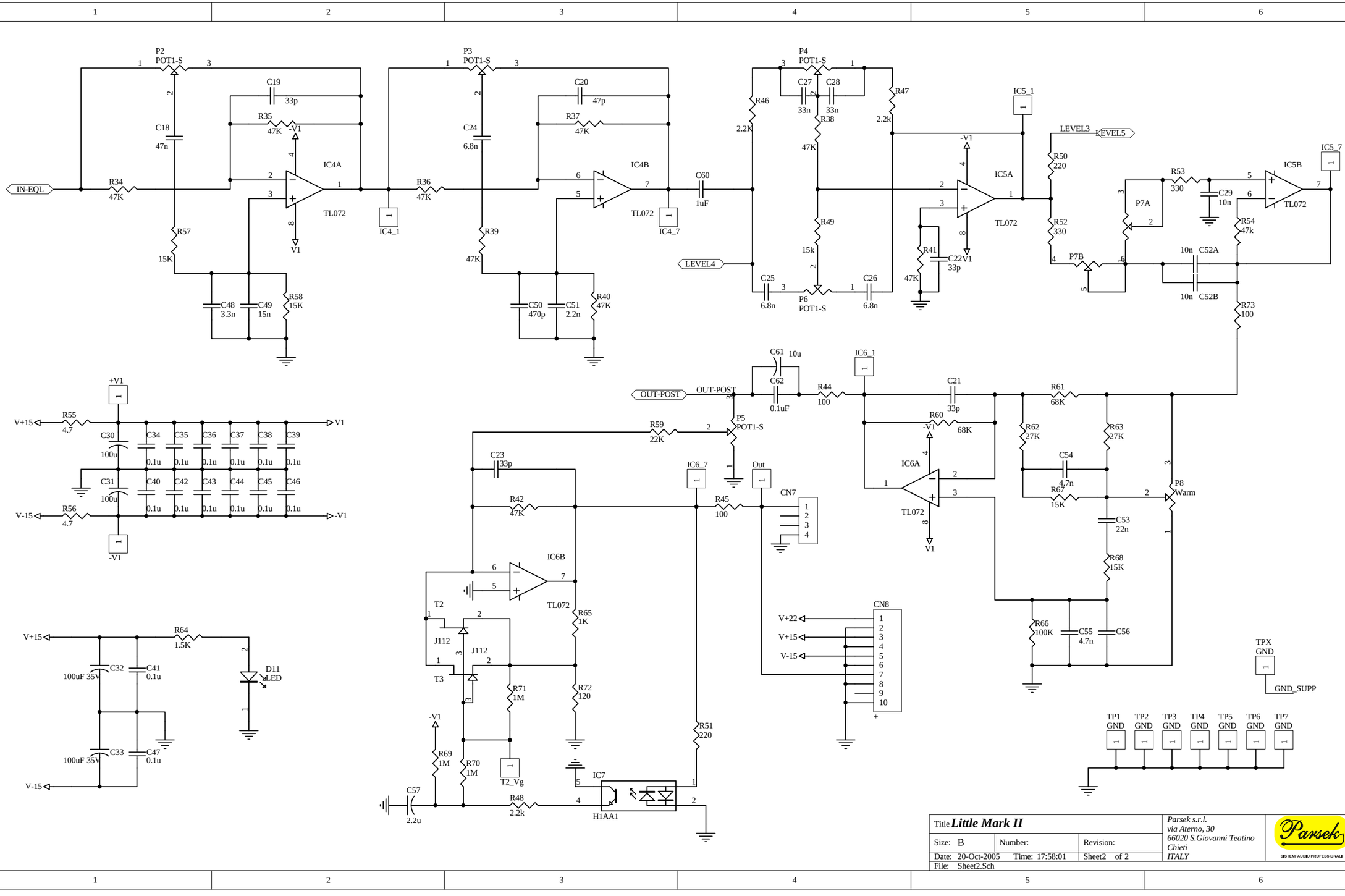

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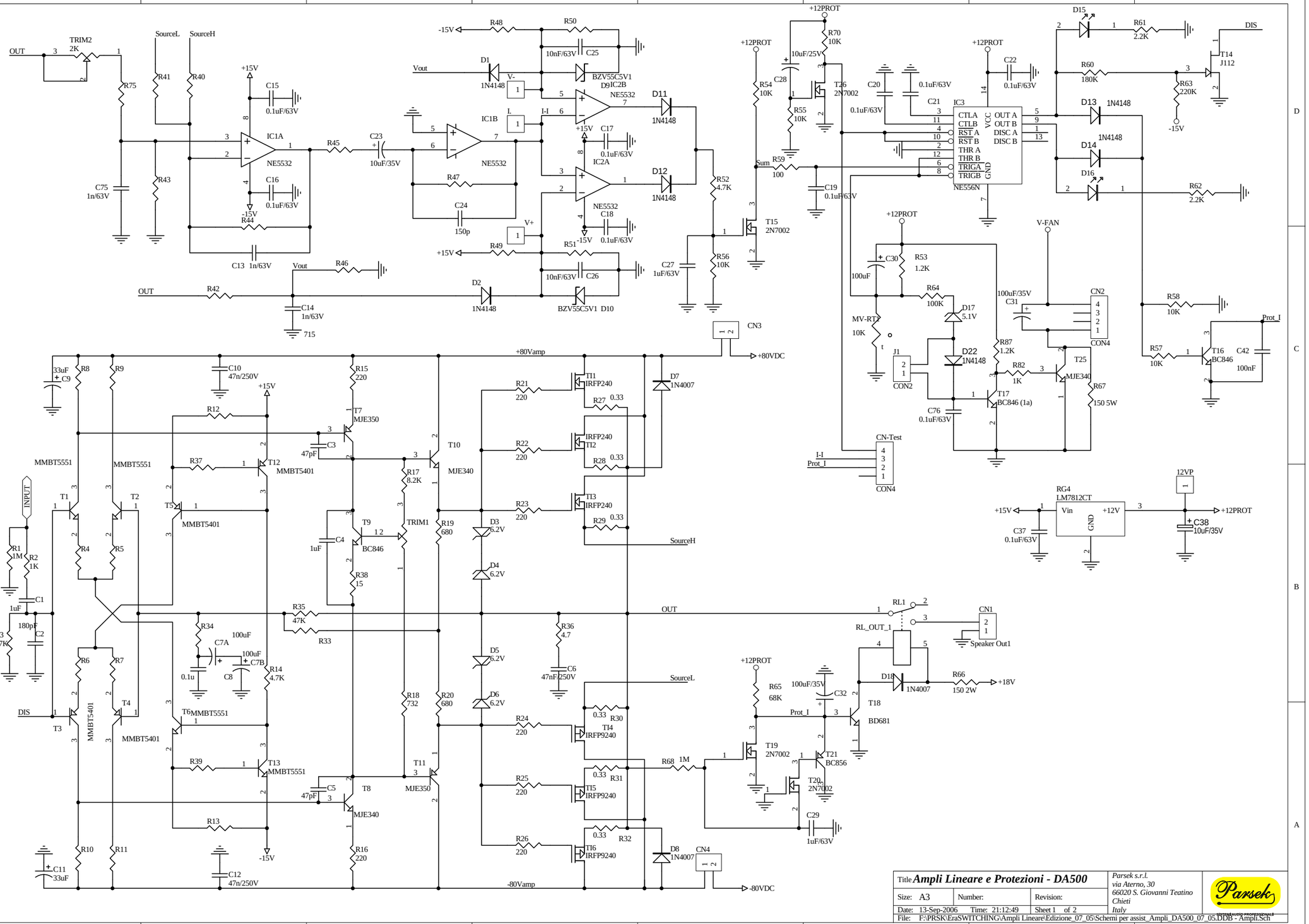
Parsek
SISTEMI AUDIO PROFESSIONALI


OUT
TRIM2
2K
R75
SourceL
SourceH
R41
R40
R43
C75
1n/63V
+15V
C15
0.1uF/63V
IC1A
NE5532
C16
0.1uF/63V
-15V
R44
C13 1n/63V
R45
C23
10uF/35V
IC1B
NE5532
R47
C24
150p
R48
R50
-15V
10nF/63V
C25
D1
1N4148
Vout
V-
BZV55C5V1
D9IC2B
NE5532
IC2A
C17
0.1uF/63V
NE5532
C18
0.1uF/63V
V+
R49
R51
10nF/63V
C26
D11
1N4148
D12
1N4148
R52
4.7K
R56
10K
C27
1uF/63V
T15
2N7002
+12PROT
R70
10K
10uF/25V
C28
T26
2N7002
R54
10K
R55
10K
Sum
R59
100
C19
0.1uF/63V
C20
0.1uF/63V
C21
0.1uF/63V
C22
0.1uF/63V
IC3
CTLA
CTLB
RST A
RST B
THR A
THR B
TRIGA
TRIGB
VCC
OUT A
OUT B
DISC A
DISC B
GND
NE556N
D15
R61
2.2K
DIS
T14
J112
R60
180K
R63
220K
-15V
D13
1N4148
D14
1N4148
D16
R62
2.2K
V-FAN
C30
100uF
R53
1.2K
R64
100K
D17
5.1V
MV-RT1
10K
J1
CON2
100uF/35V
C31
CN2
CON4
R87
1.2K
R82
1K
T25
MJE340
R67
150 5W
T17
BC846 (1a)
C76
0.1uF/63V
R58
10K
R57
10K
T16
BC846
C42
100nF
Prot_I
CN3
+80Vamp
+80VDC
33uF
C9
R8
R9
C10
47n/250V
R15
220
R12
T7
MJE350
47pF
C3
MMBT5551
MMBT5551
R37
T12
MMBT5401
T10
MJE340
R17
8.2K
TRIM1
R19
680
T11
IRFP240
R21
220
R27
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T2
R22
220
R28
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T3
R23
220
R29
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SourceH
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1N4007
D3
6.2V
D4
6.2V
T1
T2
T4
T5
MMBT5401
T9
BC846
C4
1uF
R38
15
R18
732
R20
680
D5
6.2V
D6
6.2V
R36
4.7
C6
47nF/250V
R24
220
R25
220
R26
220
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T14
IRFP9240
T15
IRFP9240
R30
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R31
0.33
R32
0.33
T8
MJE340
T11
MJE350
C5
47pF
MMBT5551
R39
T13
MMBT5551
R13
R10
C11
33uF
C12
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R16
220
D8
1N4007
CN4
-80Vamp
-80VDC
INPUT
R1
1M
R2
1K
C1
1uF
180pF
R3
47K
C2
R4
R5
R6
R7
R14
4.7K
C7A
100uF
C7B
100uF
C8
0.1u
R34
100uF
R35
47K
R33
OUT
RL1
RL_OUT_1
CN1
Speaker Out1
D18
1N4007
R66
150 2W
+18V
+12PROT
R65
68K
C32
100uF/35V
Prot_I
T18
BD681
T19
2N7002
T21
BC856
T20
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R68
1M
C29
1uF/63V
I-I
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CON4
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C37
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C38
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Revision:
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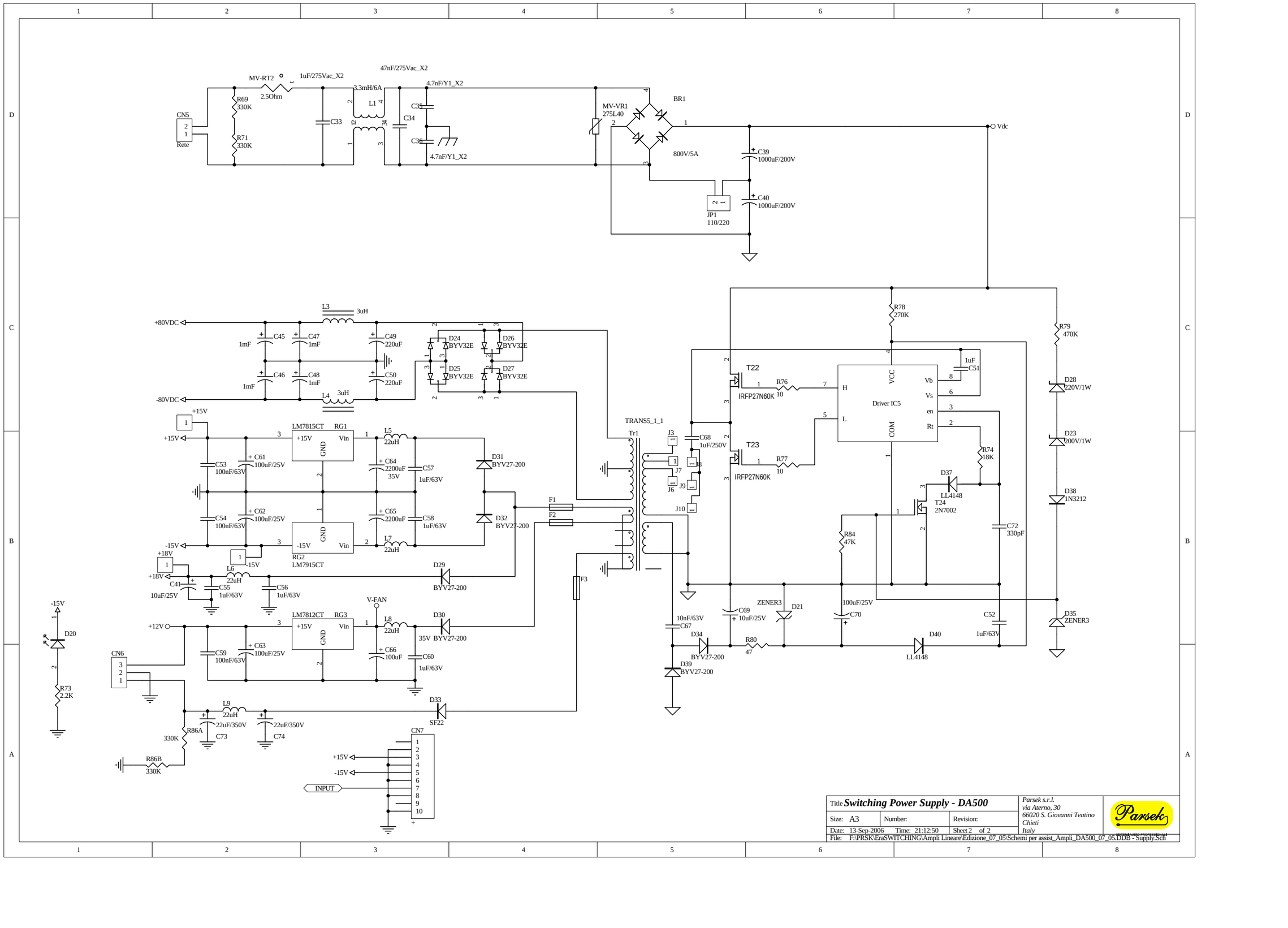
Parsek s.r.l.
via Aterno, 30
66020 S. Giovanni Teatino
Chieti
Italy



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