



SERVICE MANUAL

MODEL TYPE: YS1087
YBA300

WEB ACCESS: <http://www.yorkville.com>

**WORLD HEADQUARTERS
CANADA**

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Quality and Innovation Since 1963
Printed in Canada

IMPORTANT SAFETY INSTRUCTIONS



This lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

Ce symbole d'éclair avec tête de flèche dans un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'un « voltage dangereux » non-isolé à proximité de l'enceinte du produit qui pourrait être d'amplitude suffisante pour présenter un risque de choc électrique.



CAUTION AVIS

RISK OF ELECTRIC SHOCK
DO NOT OPEN

RISQUE DE CHOC ELECTRIQUE
NE PAS OUVRIR



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



S2125A

Le point d'exclamation à l'intérieur d'un triangle équilatéral est prévu pour alerter l'utilisateur de la présence d'instructions importantes dans la littérature accompagnant l'appareil en ce qui concerne l'opération et la maintenance de cet appareil.

FOLLOW ALL INSTRUCTIONS

Instructions pertaining to a risk of fire, electric shock, or injury to a person

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).

NO USER SERVICEABLE PARTS INSIDE.

REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS DEVICE IS FOR INDOOR USE ONLY!

Read Instructions: The Owner's Manual should be read and understood before operation of your unit. Please, save these instructions for future reference and heed all warnings.

Clean only with dry cloth.

Packaging: Keep the box and packaging materials, in case the unit needs to be returned for service.

Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. *Do not use this apparatus near water!*

Warning: When using electric products, basic precautions should always be followed, including the following:

Power Sources

Your unit should be connected to a power source only of the voltage specified in the owners manual or as marked on the unit. This unit has a polarized plug. Do not use with an extension cord or receptacle unless the plug can be fully inserted. Precautions should be taken so that the grounding scheme on the unit is not defeated. An apparatus with CLASS I construction shall be connected to a Mains socket outlet with a protective earthing ground. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Hazards

Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious personal injury and serious damage to the product. Use only with cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions when installing the product and use mounting accessories recommended by the manufacturer. Only use attachments/accessories specified by the manufacturer

Note: Prolonged use of headphones at a high volume may cause health damage on your ears.

The apparatus should not be exposed to dripping or splashing water; no objects filled with liquids should be placed on the apparatus.

Terminals marked with the "lightning bolt" are hazardous live; the external wiring connected to these terminals require installation by an instructed person or the use of ready made leads or cords.

Ensure that proper ventilation is provided around the appliance. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

Power Cord

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. The AC supply cord should be routed so that it is unlikely that it will be damaged. Protect the power cord from being walked on or pinched particularly at plugs. If the AC supply cord is damaged DO NOT OPERATE THE UNIT. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle. The mains plug of the power supply cord shall remain readily operable.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Service

The unit should be serviced only by qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

SUIVEZ TOUTES LES INSTRUCTIONS

Instructions relatives au risque de feu, choc électrique, ou blessures aux personnes

AVIS: AFIN DE REDUIRE LES RISQUE DE CHOC ELECTRIQUE, N'ENLEVEZ PAS LE COUVERT (OU LE PANNEAU ARRIERE)

NE CONTIENT AUCUNE PIECE REPARABLE PAR L'UTILISATEUR.

CONSULTEZ UN TECHNICIEN QUALIFIE POUR L'ENTRETIEN

CE PRODUIT EST POUR L'USAGE À L'INTÉRIEUR SEULEMENT

Veuillez Lire le Manuel: Il contient des informations qui devraient être comprises avant l'opération de votre appareil. Conservez. Gardez S.V.P. ces instructions pour consultations ultérieures et observez tous les avertissements.

Nettoyez seulement avec le tissu sec.

Emballage: Conservez la boite au cas où l'appareil devait être retourné pour réparation.

Avertissement: Pour réduire le risque de feu ou la décharge électrique, n'exposez pas cet appareil à la pluie ou à l'humidité. *N'utilisez pas cet appareil près de l'eau!*

Attention: Lors de l'utilisation de produits électriques, assurez-vous d'adhérer à des précautions de bases incluant celle qui suivent:

Alimentation

L'appareil ne doit être branché qu'à une source d'alimentation correspondant au voltage spécifié dans le manuel ou tel qu'indiqué sur l'appareil. Cet appareil est équipé d'une prise d'alimentation polarisée. Ne pas utiliser cet appareil avec un cordon de raccordement à moins qu'il soit possible d'insérer complètement les trois lames. Des précautions doivent être prises afin d'éviter que le système de mise à la terre de l'appareil ne soit désengagé. Un appareil construit selon les normes de CLASS I devrait être raccordé à une prise murale d'alimentation avec connexion intacte de mise à la masse. Lorsqu'une prise de branchement ou un coupleur d'appareils est utilisée comme dispositif de débranchement, ce dispositif de débranchement devra demeurer pleinement fonctionnel avec raccordement à la masse.

Risque

Ne pas placer cet appareil sur un chariot, un support, un trépied ou une table instables. L'appareil pourrait tomber et blesser quelqu'un ou subir des dommages importants. Utiliser seulement un chariot, un support, un trépied ou une table recommandés par le fabricant ou vendus avec le produit. Suivre les instructions du fabricant pour installer l'appareil et utiliser les accessoires recommandés par le fabricant. Utilisez seulement les attaches/accessoires indiqués par le fabricant

Note: L'utilisation prolongée des écouteurs à un volume élevé peut avoir des conséquences néfastes sur la santé sur vos oreilles. .

Il convient de ne pas placer sur l'appareil de sources de flammes nues, telles que des bougies allumées.

L'appareil ne doit pas être exposé à des égouttements d'eau ou des éclaboussures et qu'aucun objet rempli de liquide tel que des vases ne doit être placé sur l'appareil.

Assurez que l'appareil est fourni de la propre ventilation. Ne procédez pas à l'installation près de source de chaleur tels que radiateurs, registre de chaleur, fours ou autres appareils (incluant les amplificateurs) qui produisent de la chaleur.

Les dispositifs marqués d'une symbole "d'éclair" sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connection extérieure doivent être effectivés par un opérateur formé ou en utilisant des cordons déjà préparés.

Cordon d'Alimentation

Ne pas enlever le dispositif de sécurité sur la prise polarisée ou la prise avec tige de mise à la masse du cordon d'alimentation. Une prise polarisée dispose de deux lames dont une plus large que l'autre. Une prise avec tige de mise à la masse dispose de deux lames en plus d'une troisième tige qui connecte à la masse. La lame plus large ou la tige de mise à la masse est prévu pour votre sécurité. La prise murale est désuete si elle n'est pas conçue pour accepter ce type de prise avec dispositif de sécurité. Dans ce cas, contactez un électricien pour faire remplacer la prise murale. Évitez d'endommager le cordon d'alimentation. Protégez le cordon d'alimentation. Assurez-vous qu'on ne marche pas dessus et qu'on ne le pince pas en particulier aux prises. **N'UTILISEZ PAS L'APPAREIL** si le cordon d'alimentation est endommagé. Pour débrancher complètement cet appareil de l'alimentation CA principale, déconnectez le cordon d'alimentation de la prise d'alimentation murale. Le cordon d'alimentation du bloc d'alimentation de l'appareil doit demeurer pleinement fonctionnel.

Débranchez cet appareil durant les orages ou si inutilisé pendant de longues périodes.

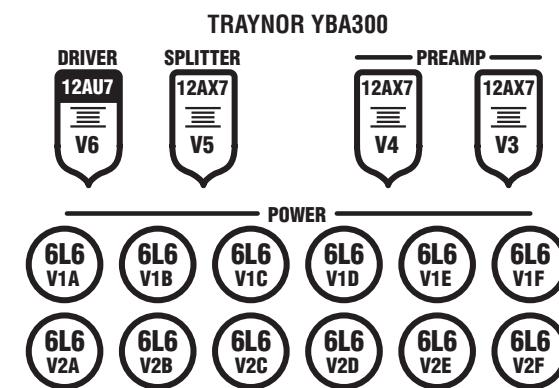
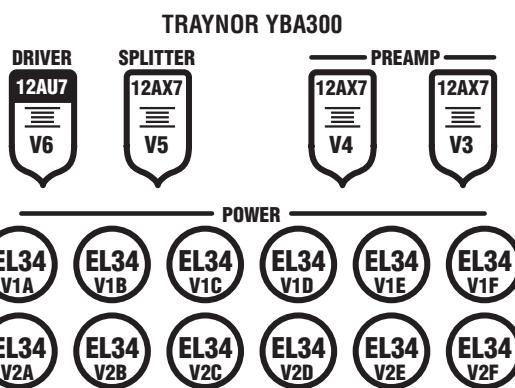
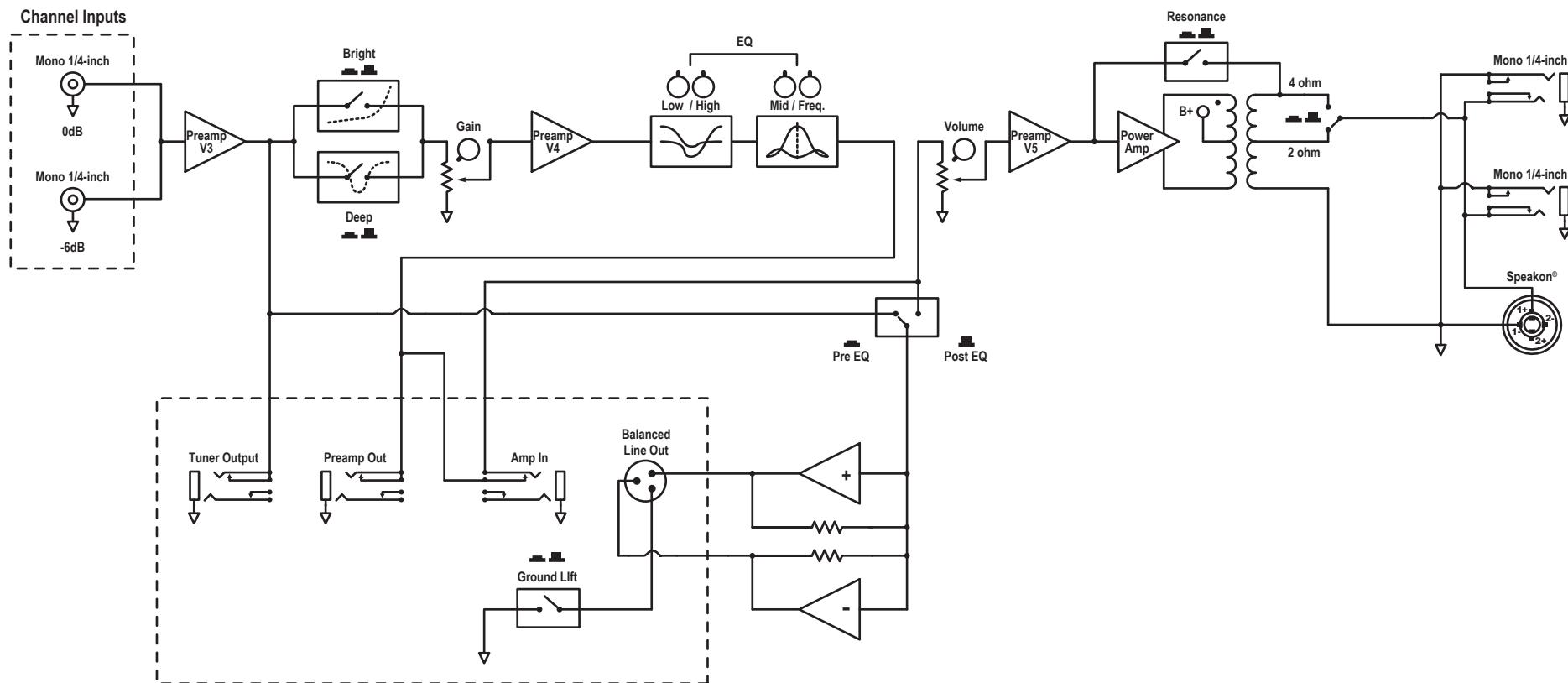
Service

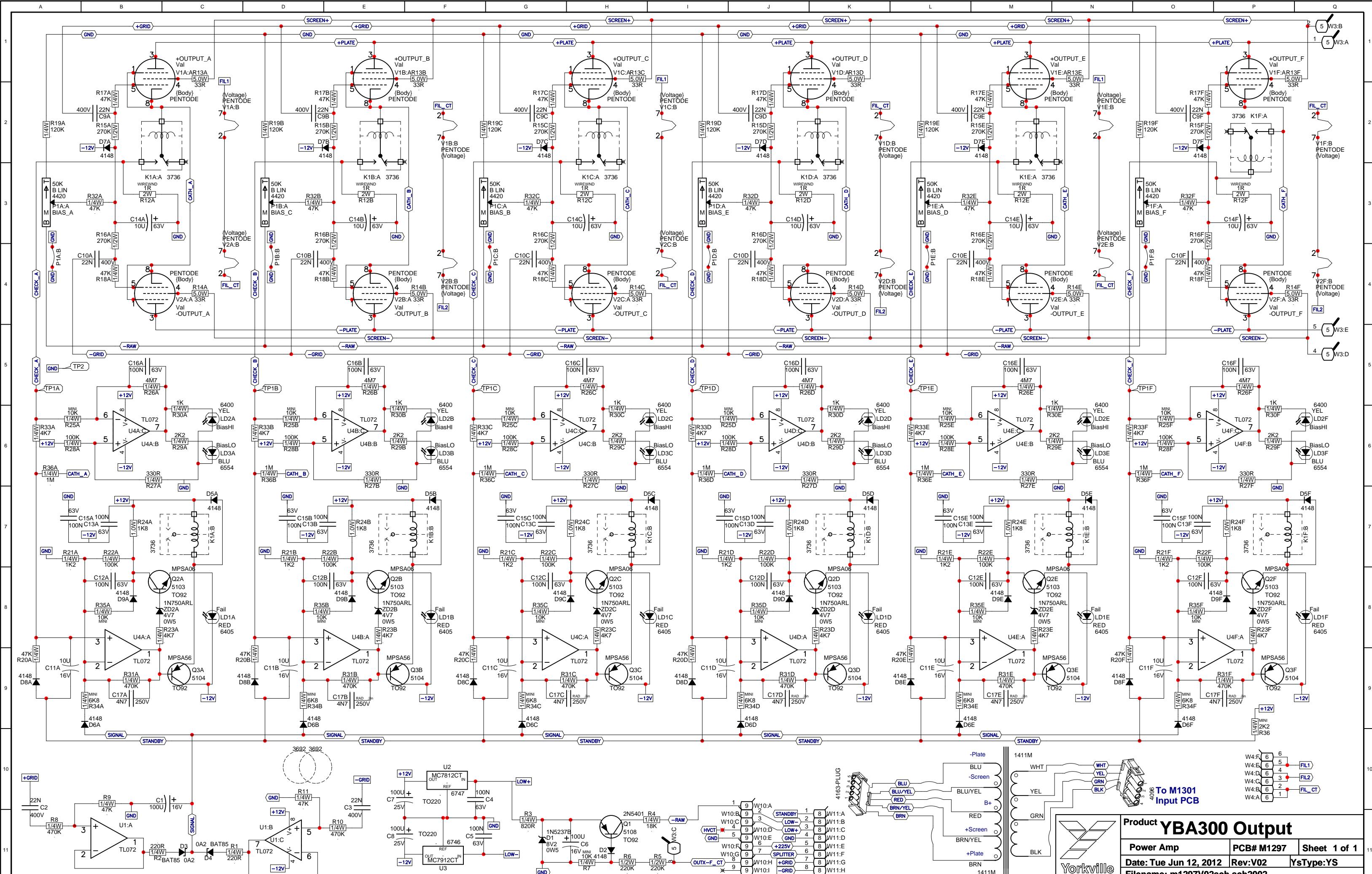
Consultez un technicien qualifié pour l'entretien de votre appareil. L'entretien est nécessaire quand l'appareil a été endommagé de quelque façon que se soit. Par exemple si le cordon d'alimentation ou la prise du cordon sont endommagés, si il y a eu du liquide qui a été renversé à l'intérieur ou des objets sont tombés dans l'appareil, si l'appareil a été exposé à la pluie ou à l'humidité, si il ne fonctionne pas normalement, ou a été échappé.

Specifications	
Type	All Tube Bass Head
Power @ min. impedance (Watts)	300 @ 2/4 ohms switchable
Minimum Impedance (ohms)	2
Burst Power - 2 cycle	400 Watts
Frequency Response (Hz +/-3dB)	30 - 16,000
Hum and Noise (dB)	-90db
Input Channels	1
Channel 1 - inputs	2 x 1/4inch
Channel 1 - controls	Gain
Master Volume Control	Yes
Main Tone Controls	Treble, Mid, Frequency, Bass, Bright Switch, Deep Switch, Resonance Switch
Input Sensitivity (mV)	20
Master Outputs	Pre-amp out (Pre Master)
Line Out (type / configuration)	XLR Balanced (Pre/Post, Grnd Lift)
Line Out Sensitivity (Vrms)	200mV
Effects Loop / Location	Pre-amp out, Power Amp in, Loop Thru
Effects Return Sensitivity (Vrms)	1V
LED Indicators	Power/Standby
External speaker output / location	2 x 1/4inch, 1 Speakon (Rear) Impedance Selector (2/4 ohms)
Other Features	Tubes: 3x12AX7, 1x12AU7, 12xEL34 Tuner output 1/4inch
Dimensions (DWH, inches)	11.5 x 24 x 10
Dimensions (DWH, cm)	29 x 61 x 25.4
Weight (lbs / kg)	51 / 23

Block Diagram for YBA300

DESIGNED AND MANUFACTURED BY YORKVILLE SOUND





MAKE A NEW COPY EVERYTIME. CHANGES ARE BEING MADE ALL THE TIME



PROPOSAL FOR CHANGE

REJECTED The Proposal for Change has been reviewed and considered but will *not* be implemented.

DATE

PRIORITY	NORM	X-JOB	PC No.	8437	TEMP TO
P	N	O	X		
DATE REQUIRED:					

PCBSA #57

Wiring #55

T&R #70

WACM #52

P/Engineering #25

Sales #10

PCBM #58

Metal Fab #50

Finishing #65

Board & Test #53

LAB #20

Service #09

Auto Insertion #59

W/Shop #60

Chas Screening #51

QC #65

MODEL	PCB/CHAS	VERSION	TASK ORDER
YBA 300	m1291		

SL	<i>[Signature]</i>
BW	<i>[Signature]</i>
TW	<i>[Signature]</i>
PM	<i>[Signature]</i>
DESIGNER	

ORIGINATOR

FROM RAY HIMBEAULT

DEPT LAB.

DATE APRIL 9, 2012.

UPON COMPLETION

UPON COMPLETION

DESCRIPTION OF CHANGE

DOCUMENT UPDATE/CORRECTION

PROGRAM UPDATE/CORRECTION

- CHANGE C2 & C3 TO 22N/250V (5840)

REASON FOR CHANGE

- TO PREVENT PREMATURE SHUTDOWN AT LOW FREQUENCIES.

Update units coming in for SERVICE?

Will a model or prototype be needed? YES NO

Update FINISHED units in warehouse?

Will the current test fixtures be affected? YES NO

UPDATE WIP?

If yes, what is the estimated cost of fixture?

Electrical compliance affected?

Before serial number

By doing this change, are units currently out in field compatible?

YES NO MAYBE

PART	DESCRIPTION	OLD	NEW	D	M	A	COST/UNIT	TOTAL

PO PRIORITY Priority will be given to these PC's and will be implemented by the date required.

XO X-JOB These PC's will be collected and implemented in the future when or if other PCs are being executed for the product.

NO NORM These PC's will be collected and processed normally, executed when time and manpower permits.

TO TEMP Temporary changes will be made for the stated run only!

NOTICE: ORIGINAL PCs MUST NOT GO OUT INTO PRODUCTION

Carl L.

James

Henry

Adel

Andrew

George

Pete

Afshin

Peter

BlankSize - 15550x8100

→ Into Wave

YS Type - {Company Name}

ETC
GUIDE

CH
N

The logo consists of a blue stylized 'D' shape containing the word 'ORIGIN'. To the left of the 'D' is a smaller blue circle containing the letters 'CDI'. Above the 'D' is a circular border containing the word 'INSERT'.

Bottom Misza

Pcb Mech M1297V02
Top Assy M1297V02

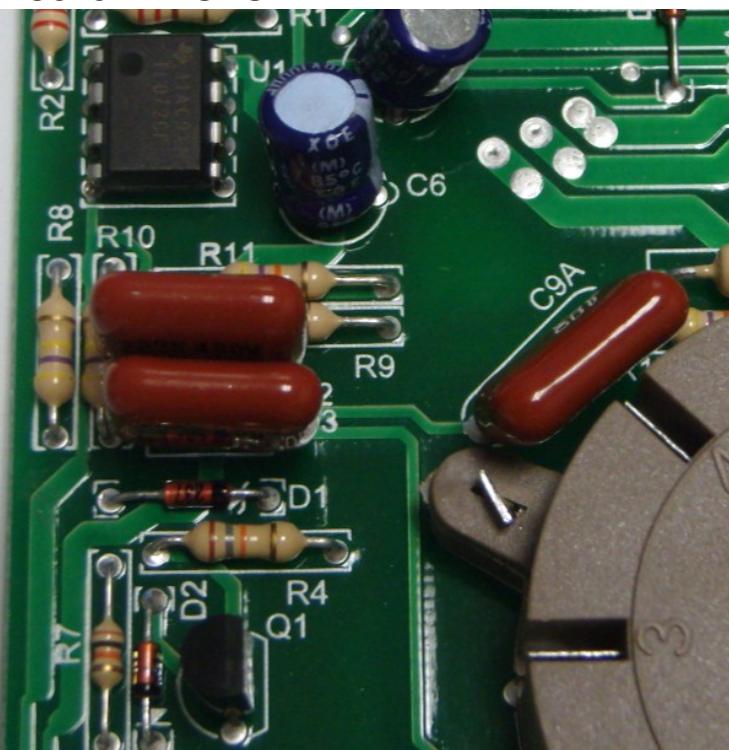
2ozCopper 2ozCopper

 SEE LAYOUT DOCUMENTATION 

M1297 PRODUCTION NOTES

1. Six #2345 spacers mount on top of the board.
2. Put the knobs on all the pots with glue before mounting the pcb.
3. C2, C3 #5840 are manual insert. See picture PC8437.

PC8437 PHOTO



SEE LAYOUT DIAGRAM

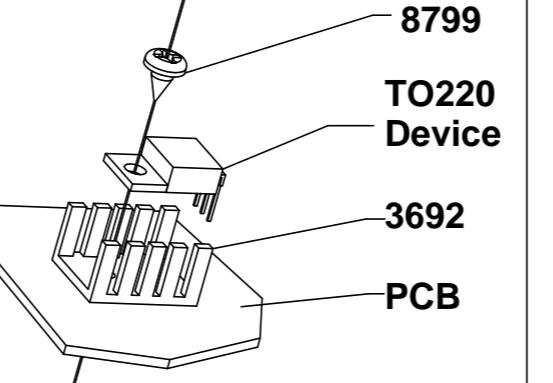
M1297 Drilling History

MODEL(S):- YBA300			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	Aug 09	1.00P0	First Prototype
2	2010/01/20	1.00p1	Complete re-design. Bias moved to back.
3	2010/02/22	1.00p2	Added R36 to standby bus.
4	2010/09/03		Split screen net into +&-. Added header for X-F. Tweak bias.
5	2010/09/23	1.00	Changed #4646 to 650 pattern.
6	2010/12/10		Chg R33A-F from 10k to 4k7. Final proto building 50pcs.
7	2011/01/25	2.00	PC8214: Add R36A-F, C17A-F. Move BEC_LOC and VCD. GG
8	12-JUN-2012	V02	PC8437: CHANGE C2, C3 TO #5840 22N 250V GG
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

M1297 PENDING CHANGES		
MODEL(S):- YBA300		
#	PC#	PENDING CHANGE
1	PC	X
2	PC	X
3	PC	X
4	PC	X
5	PC	X
6	PC	X

*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

M1297 Potlist				
MODEL(S):- YBA300				
REF	FUNCTION	PART#	KNOB	{NEW}
P1A	BIASA	4420	K	N
P1B	BIASB	4420	K	N
P1C	BIASC	4420	K	N
P1D	BIASD	4420	K	N
P1E	BIASE	4420	K	N
P1F	BIASF	4420	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N



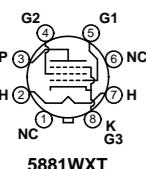
M1297 PCB History			
MODEL(S):- YBA300			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	Aug 09	1.00P0	First Prototype
2	2010/01/20	1.00p1	Complete re-design. Bias moved to back.
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8	12-JUN-2012	V02	PC8437: CHANGE C2, C3 TO #5840 22N 250V GG
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

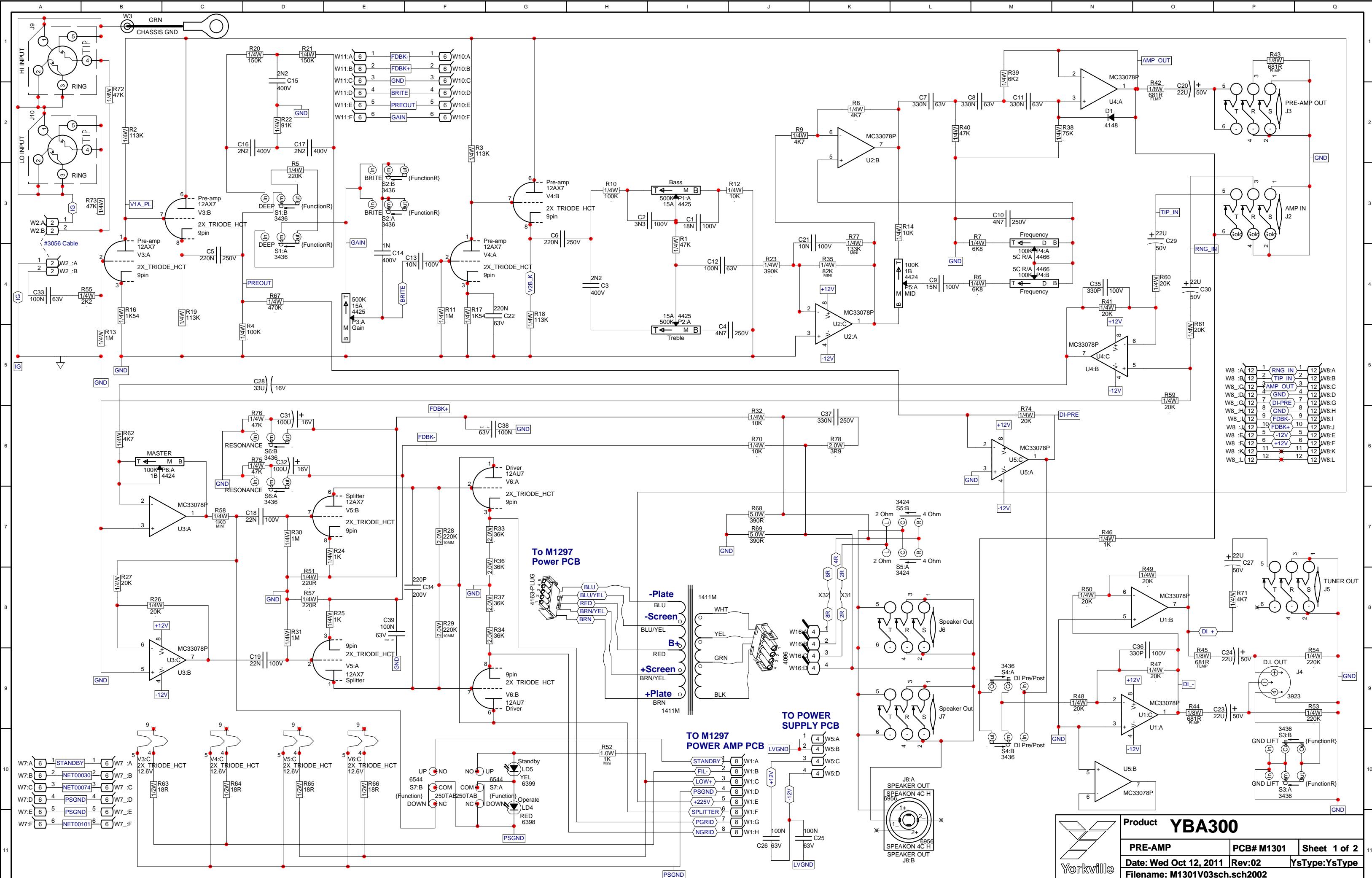
LEAD/PIN REFERENCE

2N5401
2N5551
MPSA06
MPSA13
MPSA43
MPSA56
MPSA63



TO-92





M1301.PCB_DATABASE_HISTORY

MODEL(S):- YBA300

#	DATE	VER#	DESCRIPTION OF CHANGE
1	2010/02/02	1.00p1	All new layout.
2	2010/09/10	1.00p2	Value changes for sound tweaks. Change x-f to connector.
3	.	.	Add shield to switch pcb. Move DI switch to back.
4	2010/10/13	1.00p3	Change input link to #2345 connectors with 3056 cable.
5	.	.	Moved some XH connectors to make them accessible
6	2010/12/10	1.00	Final proto and first run build.
7	2011/01/05	.	Deleted 'Polarized' attribute from C22
8	2011/04/06	2.00	Revised per PC# 8247
9	.	.	Added two 100N caps C38 and C39
10	12-JULY-2011	V03	PC8294: Add W3 and GRN wire to chassis. GG
11	12-OCT-2011	.	PC8303: USE ONLY MC33078 FOR #6840 GG
12	D	V	N
13	D	V	N

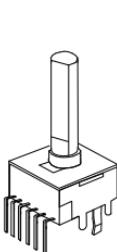
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2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
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9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

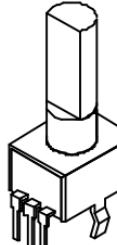
M1301 POTLIST

MODEL(S):- YBA300

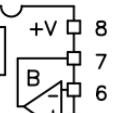
REF	FUNCTION	PART#	KNOB	{NEW}
P3	GAIN	4425	8430	N
P1	BASS	4424	8430	N
P5	MID	4424	8430	N
P4	FREQ	4466	8430	N
P2	TREBLE	4424	8430	N
P6	MASTER	4424	8430	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N



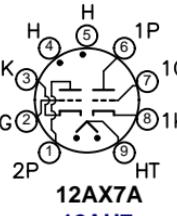
"STYLE_P34"



"STYLE_P32"



6840 PC
MC33078



12AX7A
12AU7



Product

YBA300

NOTES

PCB# M1301

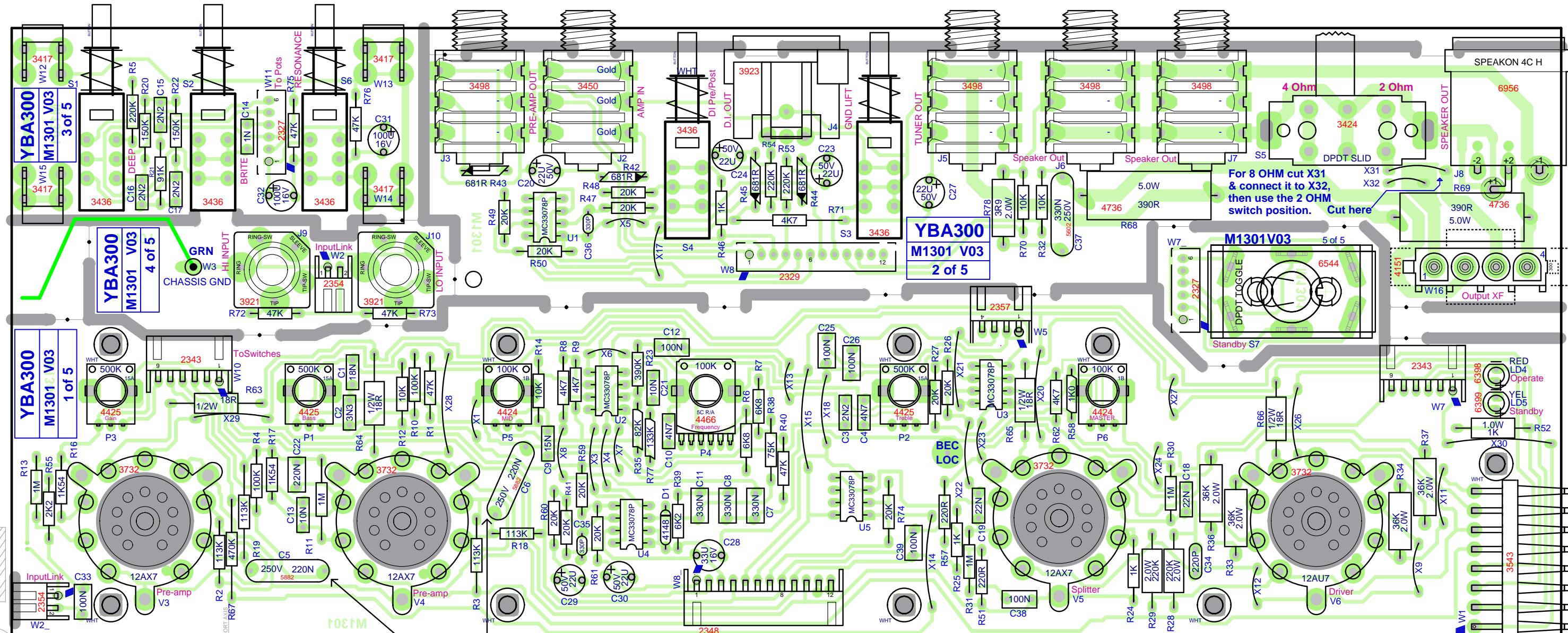
Sheet 2 of 2

Date: Wed Oct 12, 2011 Rev:02

YsType:YsType

Filename: M1301V03sch.sch2002

StepAndRepeat - X1@0.000Y2@4.925



M1301 V03

BEND DOWN C5 AND C6

SEE LAYOUT DOCUMENTATION ↴



SEE LAYOUT DIAGRAM

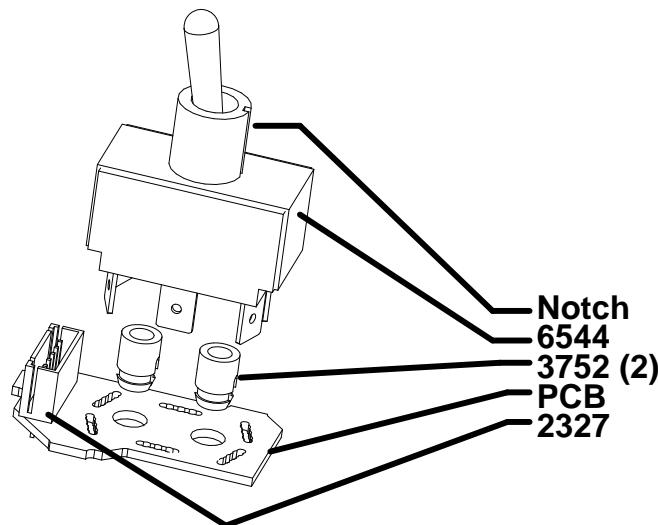
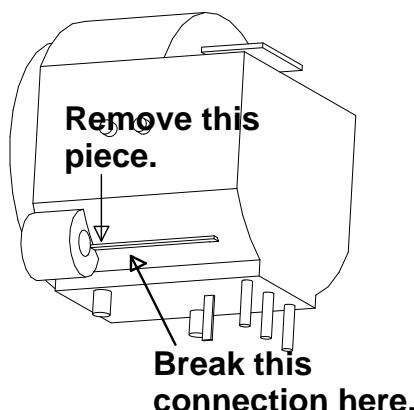


M1301 V03 PRODUCTION NOTES

1. Clip the GND connection on J4 (#3923) jack.
2. Dip #6544 in solder pot before insertion.
3. BEND DOWN C5 AND C6.
4. ALL IC'S MUST BE MARKED 33078 NOT 4560
5. BEND DOWN THE GREEN WIRE LEAD ON THE BOARD FOR PROPER SOLDERING.
6. PCBSA: Do not break out board before testing.

33078

~~4560~~

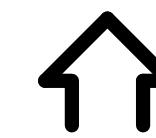


M1301 POTLIST				
MODEL(S):- YBA300				
REF	FUNCTION	PART#	KNOB	{NEW}
P3	GAIN	4425	8430	N
P1	BASS	4424	8430	N
P5	MID	4424	8430	N
P4	FREQ	4466	8430	N
P2	TREBLE	4424	8430	N
P6	MASTER	4424	8430	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N
R	F	P	K	N

M1301



SEE LAYOUT DIAGRAM



M1301.PCB_DATABASE_HISTORY

MODEL(S):- YBA300

#	DATE	VER#	DESCRIPTION OF CHANGE
1	2010/02/02	1.00p1	All new layout.
2	2010/09/10	1.00p2	Value changes for sound tweaks. Change x-f to connector Add shield to switch pcb. Move DI switch to back.
3	.	1.00p3	Change input link to #2345 connectors with 3056 cable. Moved some XH connectors to make them accessible
4	2010/10/13	.	Final proto and first run build.
5	.	.	Deleted 'Polarized' attribute from C22
6	2010/12/10	1.00	Revised per PC# 8247
7	2011/01/05	.	Added two 100N caps C38 and C39
8	2011/04/06	2.00	PC8294: Add W3 and GRN wire to chassis. GG PC8303: USE ONLY MC33078 FOR #6840 GG
9	.	.	
10	12-JULY-2011	V03	
11	12-OCT-2011	.	
12	D	V	
13	D	V	

1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N
7	D	V	N
8	D	V	N
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

M1301.PCB_DATABASE_HISTORY

MODEL(S):- YBA300

#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V	N
2	D	V	N
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N

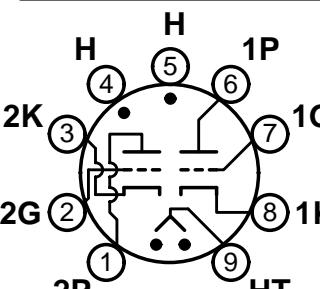
M1301 PENDING CHANGES

MODEL(S):- YBA300

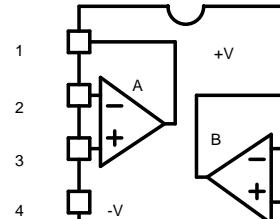
#	PC#	PENDING CHANGE
1	PC	X
2	PC	X
3	PC	X
4	PC	X
5	PC	X
6	PC	X

*PLACE IMPLEMENTED CHANGES INTO BOARD HISTORY

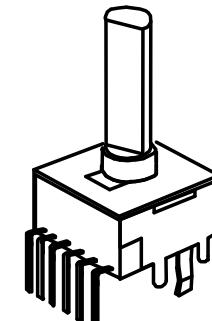
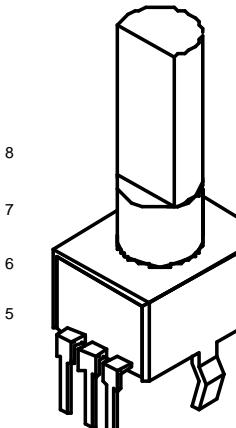
LEAD/PIN REFERENCE



12AX7A
12AU7A

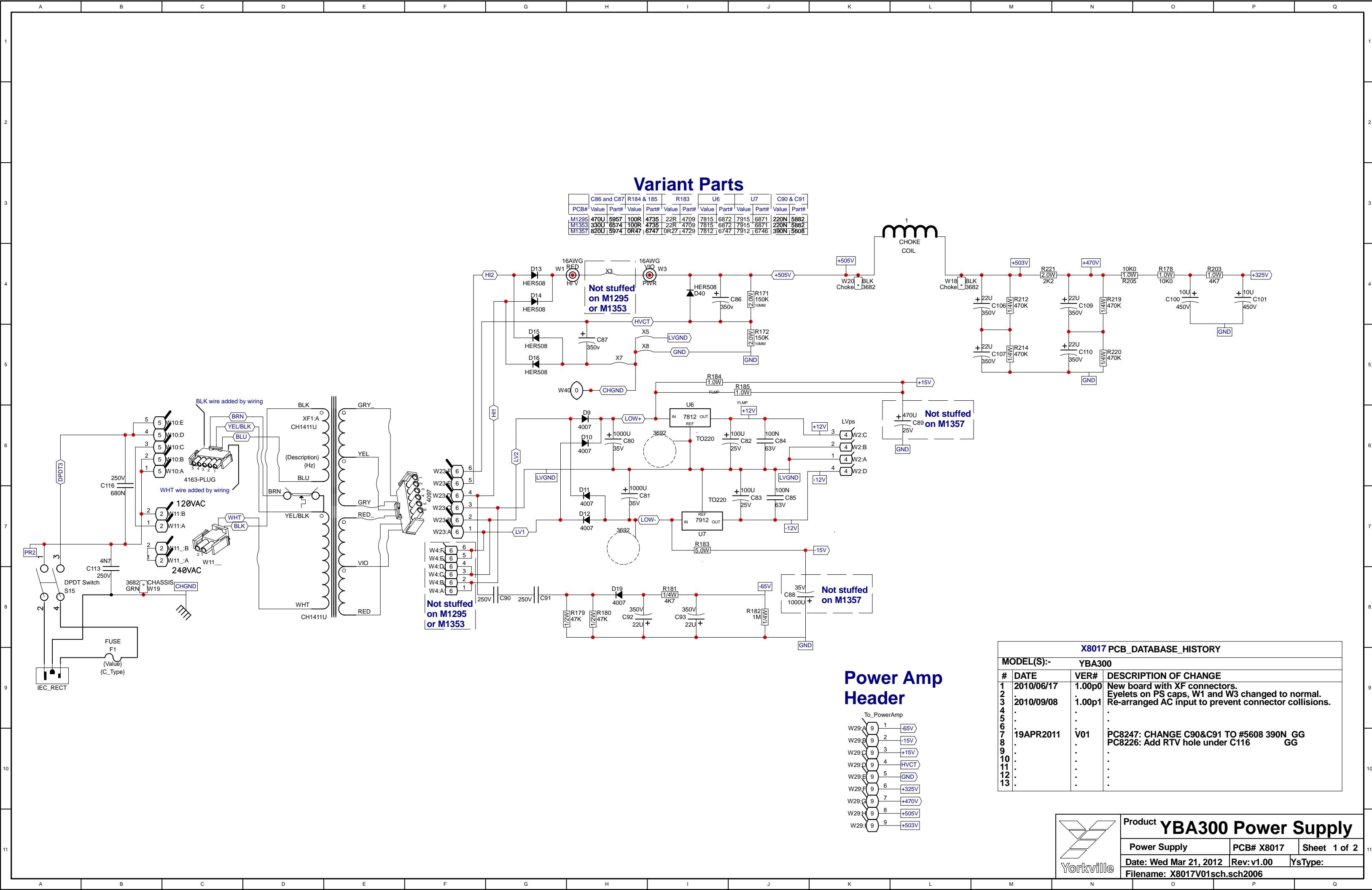


MC33078P



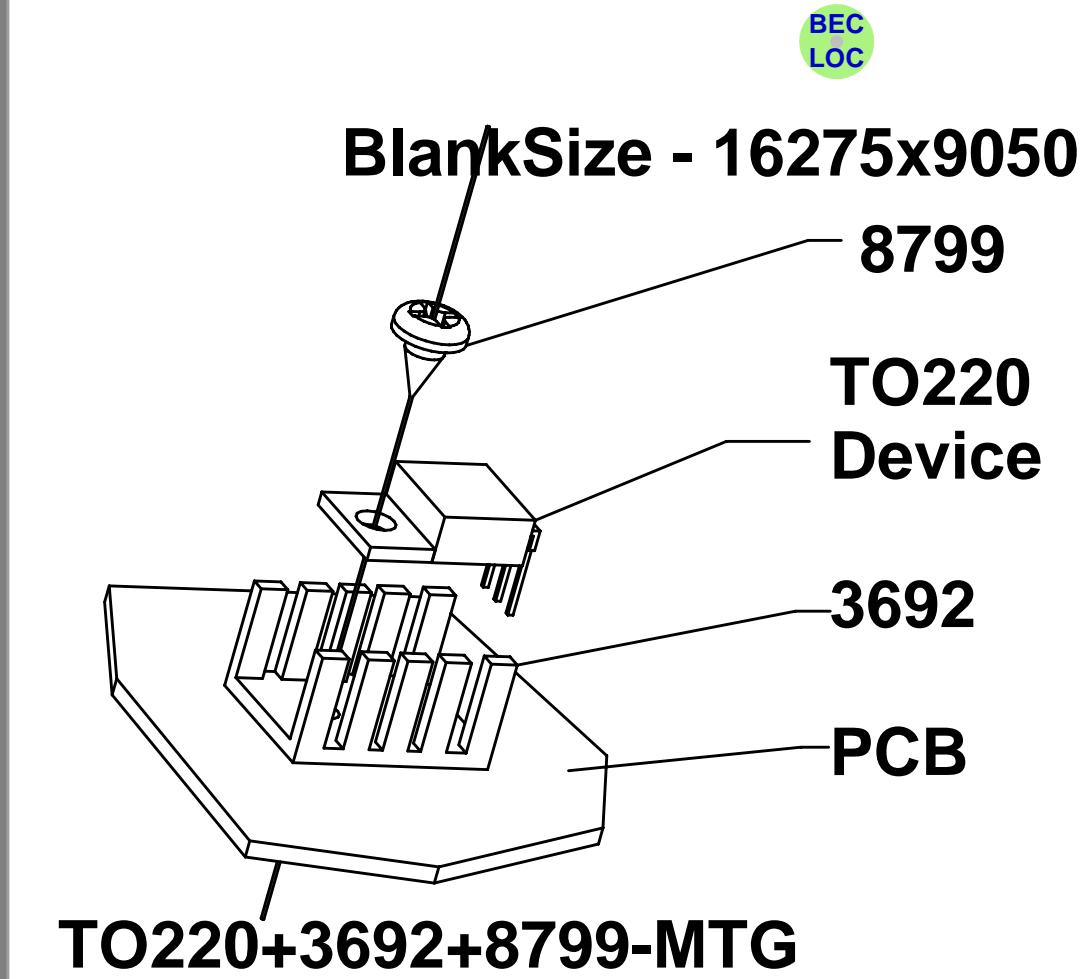
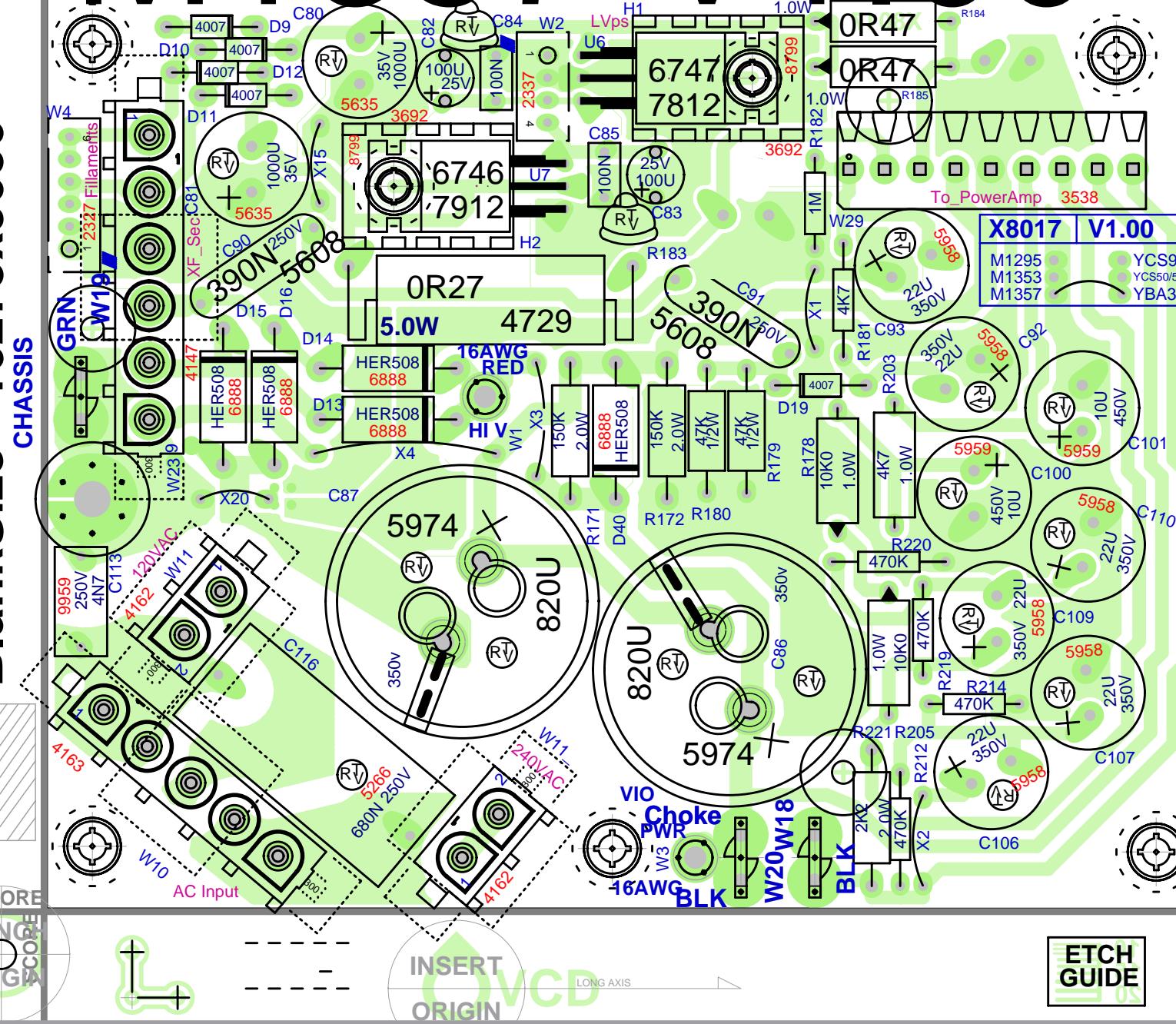
"STYLE_P34"

"STYLE_P32"



M1357 V1.00

YBA300

BlankSize - 16275x9050Pcb Mech X8017V1.00
Top Assy X8017V1.00

Ste

SEE LAYOUT DOCUMENTATION





SEE LAYOUT DIAGRAM



X8017 PRODUCTION NOTES (M1357 M1353 M1295)

1. BEFORE CLINCHING, BREAK PANEL IN 2 ALONG LINE WHERE INDICATED.

2. B.A. Variant parts:

BOARD	C86	C87	BOARD	U7	U6
M1295	#5857, 470U	#5857, 470UM1295	#6871, 15V	#6872, 15V	
M1353	#6574, 330U	#6574, 330UM1353	#6871, 15V	#6872, 15V	
M1357	#5974, 820U	#5974, 820UM1357	#6746, 12V	#6747, 12V	

BOARD	R183	BOARD	C90 & C91
M1295	#4709, 22R	M1295	#5882, 220N
M1353	#4709, 22R	M1353	#5882, 220N
M1357	#4729, 0R27	M1357	#5608, 390N

BOARD	C89	C89
M1295	#5635, 1000U	#5618, 470U
M1353	#5635, 1000U	#5618, 470U
M1357	DNS	DNS

X8017PCB_DATABASE_HISTORY			
MODEL(S):- YBA300			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	2010/06/17	1.00p0	New board with XF connectors.
2	.	.	Eyelets on PS caps, W1 and W3 changed to normal.
3	2010/09/08	1.00p1	Re-arranged AC input to prevent connector collisions.
4	.	.	Changed primary to 2 + 5 pin connectors.
5	2010/12/14	1.00	Changed R220SE.093 pads to R220SEN.M.093 on PS caps and eyelets.
6	.	.	
7	19APR2011	V01	PC8247: CHANGE C90&C91 TO #5608 390N GG
8	.	.	PC8226: Add RTV hole under C116 GG
9	.	.	
10	.	.	
11	.	.	
12	.	.	
13	.	.	

YBA300 Parts List 2/7/2012

YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
6384	JEWELLED PILOT LAMP AMBER ROHS V1	1	4163-PLUG	CONN PLUG 5 POS..084" V-2 FEMALE	1	8829	6-32 X 3/8 FLAT PH TAPTTIE BO/C HEA	8
6398	RED 5MM LED 1V5 20MA HIGH EFF	1	4147	6 PIN POWER PIN HEADER MALE POLZED	1	8809	10-32 X 1/4 PAN PH TAPTTIE JS500	2
6399	YEL 5MM LED 1V5 20MA HIGH EFF	1	3576	SOCKET TERMINAL 14-20 AWG TAPE/REEL	11	8740	5/16-18 X 3 GRD 5 HEX BOLT JS500	1
6405	RED 3MM LED 2V0 20MA BRT	6	8430	KNOB CHICKEN-BEAK	6	8770	1/4-20 X 1 5/16 TRUSS PH MS JS500	8
6554	BLUE 3MM LED 3V9 20MA	6	8649	BUTTON KNOB FLAT BLACK	5	3663	SNAP IEC PWR SOC W/250TAB FOR .060	1
6400	YEL 3MM LED 1V9 6MA HIGHEFF	6	9921	KNOB 0-DEG GRY W/O COVERING	6	3752	SNAP IN 1/4 SPACER RICHCO	2
6825	1N4148 75V 0A45 DIODE T&R	32	3428	8' 3/8 SJT AC LINE CORD REMOVABLE	1	2335	NYLON STANDOFF NUT #4 500MIL	9
6888	HER508 1000V 3A0 DIODE ULTRAFAS	5	8268	TRAYNOR LOGO PLASTIC NICKEL PLATING	1	2342	NYLON STANDOFF NUT #4 530MIL BLACK	14
6436	1N4007 1000V 1A0 DIODE T&R	5	8800	6-32 KEPS NUT ZINC	3	2345	NYLON STANDOFF NUT #4 1INCH	6
6733	BAT85 30V 0A2 DIODE SCHOTTKY T&R	2	8787	8-32 KEPS NUT ZINC	4	3417	6-32 SCREW TERMINAL PC MNT SNAP-IN	4
6437	1N5237B 8V2 0W5 ZENER 5% T&R	1	8890	1/4-20 CAGE NUT C79-88142027	8	8482	3/8 1D FLAT WASHER	2
6440	1N750AARL 4V7 0W5 ZENER 5% T&R	6	8797	5/16-18 KEPS NUT JS500	1	8488	3/8 INT TOOTH LOCKWASHE ZINC	2
6746	MC7912CT TO220 N 12V0 REG V2	2	4597	22AWG STRAN TC WIR JMP	7	8818	3/4 OD X 3/8 ID X .080 THICK WASHER	2
6747	MC7812CT TO220 P 12V0 REG V1	2	4599	22AWG SOLID SC WIR T&R JMP	36	8817	#10 FLAT WASHER FOR 3/16" BOLT	8
5103	MPSA06 TO92 NPN TRAN T&R TA	6	4729	5.0W 0R27 5% BLK RES	1	3424	DPDT SLID SW PCMT H GOLD CONTACTS	1
5104	MPSA56 TO92 PNP TRAN T&R TA	6	2005	1.0W 0R47 5%FLAME PROOF T&R RES	2	3436	DPDT PUSH SW PCMT H BREAK B4 MAKE	5
5108	2N5401 TO92 PNP TRAN T&R TA	1	4646	2.0W 1R 5% WIREWND T&R RES	6	6544	DPDT TOGGLE SW QUICK .250" 6 TERM	1
6840	MC33078P IC DUAL OP AMP	5	4748	2.0W 3R9 5% T&R	1	3554	DPST TOGGLE SW QUICK .250" 4 TERM	1
6882	TL072CP IC FET DUAL OP AMP	7	4612	1/2W 18R 5% T&R RES	4	3682	250 MALE PCB TAB REEL	3
5277	220P 200V 5%CAP T&R RAD CER.2NPO	1	4704	5.0W 33R 5% BLK RES	12	12AU7	12AU7 DUAL TRIODE PREAMP TUBE	1
5211	330P 100V 5%CAP T&R RAD CER.2NPO	2	4857	1/4W 220R 5% T&R RES	4	12AX7	12AX7 DUAL TRIODE PREAMP TUBE	3
5206	1N 400V 5%CAP T&R RAD .2FLM	1	4855	1/4W 330R 5% T&R RES	6	6L6	6L6G VACUUM TUBE BULK	12
5208	2N2 400V 5%CAP T&R RAD .2FLM	6	4736	5.0W 390R 5% BLK RES	2	3732	9 PIN PC MOUNT TUBE SOCKET BE	4
5275	3N3 100V 5%CAP T&R RAD .2FLM	1	2030	1/6W 681R 1%FLAME PROOF T&R RES	4	3984	8 PIN PC MOUNT TUBE SOCKET BE	12
5209	4N7 250V 5%CAP T&R RAD .2FLM	8	4822	1/4W 820R 5% T&R RES	1	1411M	YBA300 OPT	1
9959	4N7 250V 20% X1Y2 CAP DISC BULK	1	4823	1/4W 1K 5% T&R RES	9	CH1411U	YBA300 XFMR	1
5204	10N 100V 10%CAP T&R RAD .2FLM	2	4913	1.0W 1K 5% T&R RES	1			
5205	.15N 100V 10%CAP T&R RAD .2FLM	1	6110	1/4W 1K0 1%MINI MF T&R RES	1			
5207	.18N 100V 5%CAP T&R RAD .2FLM	1	4854	1/4W 1K2 5% T&R RES	6			
5210	.22N 100V 10%CAP T&R RAD .2FLM	2	4791	1/4W 1K54 1% T&T RES	2			
5840	.22N 400V 10%CAP BLK RAD POLY FLM	12	4683	1.0W 1K8 5% T&R RES	6			
5212	100N 63V 5%CAP T&R RAD .2FLM	34	4705	2.0W 2K2 5% T&R RES	1			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	4847	1/4W 2K2 5% T&R RES	7			
5882	220N 250VDC 10%CAP BLK RAD PLY FLM	2	6104	1/4W 2K2 5%MINI T&R RES	1			
5233	330N 63V 5%CAP T&R RAD .2FLM	3	4681	1.0W 4K7 5% T&R RES	1			
5602	330N 250VDC 10%CAPBLK RAD POLY FLM	1	4827	1/4W 4K7 5% T&R RES	17			
5608	390N 250VDC 10%CAPBLK RAD POLY FLM	2	4870	1/4W 6K2 5% T&R RES	1			
5266	680N 250V 20%CAP BLK 'X2' 30MM AC	1	4828	1/4W 6K8 5% T&R RES	2			
5282	.10U 16V 20%CAP T&R 5X7MM .2NP	6	4978	1/4W 6K8 5%MINI T&R RES	6			
5945	.10U 63V 20%CAP T&R RAD .2EL	6	4829	1/4W 10K 5% T&R RES	4			
5959	.10U 450V 20%CAP BLK EL	2	4983	1/4W 10K 5%MINI T&R RES	13			
5631	.22U 50V 20%CAP T&R 6X7MM .2EL	6	5031	1.0W 10K0 5% T&R RES	2			
5958	.22U 350V 20%CAP BLK 13X25 EL	6	4831	1/4W 18K 5% T&R RES	1			
5961	.33U 16V 20%CAP T&R RAD .2IN NP	1	4885	1/4W 20K 5% T&R RES	11			
5267	100U 25V 20%CAP T&R RAD .2EL	4	4961	2.0W 36K 5% T&R RES	4			
5879	100U 16V 20%CAP T&R 8X7MM .2EL	4	4634	1/2W 47K 5% T&R RES	2			
5974	820U 315V 20%CAP BLK 30X50 EL	2	4834	1/4W 47K 5% T&R RES	32			
5635	1000U 35V 20%CAP BLK RADIAL ELECT	2	4760	1/4W 75K 5% T&R RES	1			
4420	.50K B LIN 9MM HORIZONTAL P28	6	4586	1/4W 82K 5%MINI T&R RES	1			
4424	100K 1B LIN 9MM P32	2	4898	1/4W 91K 5% T&R RES	1			
4425	500K 15AUDIO 9MM P32	3	4838	1/4W 100K 5% T&R RES	14			
4466	100K 5C R/A 12MM STEREO P34	1	4776	1/4W 113K 1% T&R RES	4			
2459	.7.00 AMP CIRCUIT BREAKER	1	4851	1/4W 120K 5% T&R RES	6			
6563	5000UH CHOKE 100MA	1	4991	1/4W 133K 1%MINI T&R RES	1			
8504	CORNER, 2 LEGS NOTCHED LIP NICKEL	8	4790	2.0W 150K 5%10MM BODY T&R RES	2			
8521	RUBBER BUMPER WITH WASHER VERYSMALL	4	4839	1/4W 150K 5% T&R RES	2			
8522	RUBBER BUMPER WITH WASHER -SMALL-	4	4641	1/2W 220K 5% T&R RES	2			
3485	CLIP 250X032 18-22AWG RIGHT ANGL	3	4668	2.0W 220K 5%10MM BODY T&R RES	2			
3489	CLIP 250X032 18-22AWG DISCO/INSL	1	4841	1/4W 220K 5% T&R RES	3			
3490	CLIP 250X032 14-16AWG DISCO/INSL	4	4679	1/2W 270K 5% T&R RES	12			
3601	RING TERMINAL 16AWG WIRE & #8 SCREW	2	4865	1/4W 390K 5% T&R RES	1			
3602	RING TERMINAL 18AWG WIRE & #8 SCREW	1	4843	1/4W 470K 5% T&R RES	13			
9925	TINNERMAN CLIP 1/8" STUD SIZE ROUND	3	4844	1/4W 1M 5% T&R RES	11			
3450	1/4" JCK PCB MT ALL-GOLD SKT	1	4888	1/4W 4M7 5% T&R RES	6			
3498	1/4" JCK PCB MT HORIZ	4	6615	13.0" 8C-22AWG RIBBON CABLE .156"	1			
3921	1/4" JCK PCB MT VERT STER RT SWT	2	6616	.6.0" 9C-22AWG RIBBON CABLE .156"	1			
6956	SPKON 4C PCB MT HORIZ GRY #4	1	3736	RELAY 1C 10AMP DC24 017MA PC-S	6			
3923	XLR MALE PCB MT HORIZ MTHOLE-V SNAP	1	8842	#4 X 16 PAN QUAD TYPE A JS500 BLK	2			
3451	EYELET SMALL 0.089 OD PLATED	8	8729	#4 X 3/8 FLAT QUAD TYPE A JS500 BLK	2			
8600	HANDLE,RECESSED,PULL,BLACK METAL	2	8799	#6 X 1/4 PAN PH TYPE B JS500	5			
3692	HEATSINK TO-220 W/O TAB BLK ANODIZE	4	8784	#6 X 7/16 PAN QUAD FRAME BLACK PHOS	16			
1155	3.3X.6X.6 TAPPED BRACKET	2	8734	#10 X 1/2 PAN PH TYP A BRITE NICKEL	16			
3803	NYLON SECUR-A-TACH MINI PLASTIC TIE	1	8753	#10 X 1/2 PAN QUAD TY A JS500 BLACK	26			
3810	4" NYLON CABLE TIE	11	8756	#10 X 3/4 PAN PH TYPE A BLACK OXIDE	4			
4096	CONN PLUG 4 POS. .084" V-2 FEMALE	1	8727	#10 X 1" PAN PH TYPE A JS500 BLACK	4			
3543	20 PIN BRAKAWAY 90 LOCK .156	0.5	8808	4-40 X 3/4 FLAT PHIL MS B.O.& WAX	22			
3538	24 PIN BREAKAWAY LOCK .156	0.819	8819	4-40 X 1.25 FLAT PH MS BLK ROHS	6			
4162	2 PIN POWER PIN HEADER MALE POLZED	2	8822	6-32 X 1/4 PAN PH MS ZN C/W SPLIT_W	4			
4151	4 PIN POWER PIN HEADER MALE POLZED	1	8832	6-32 X 1/4 PAN PH TAPTTIE JS500	6			
4163	5 PIN POWER PIN HEADER MALE POLZED	2	8801	6-32 X 3/8 PAN PH TAPTTIE JS500	7			