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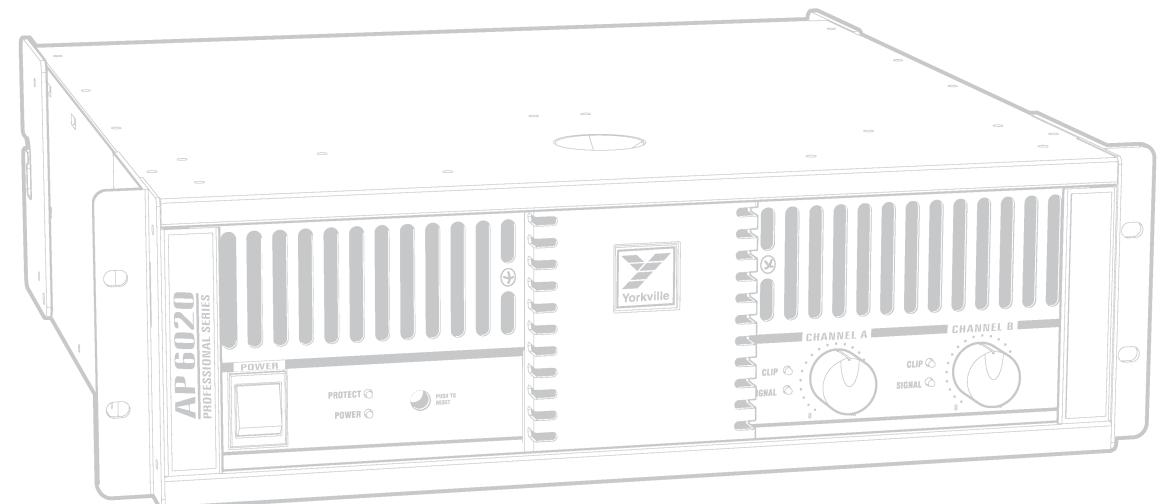
U.S.A.

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**AP 6020
PROFESSIONAL SERIES**



Quality and Innovation Since 1963
Printed in Canada

MODEL TYPE: YS6020

SERVICE MANUAL

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 QUALIFIÉ 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 boîte 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.

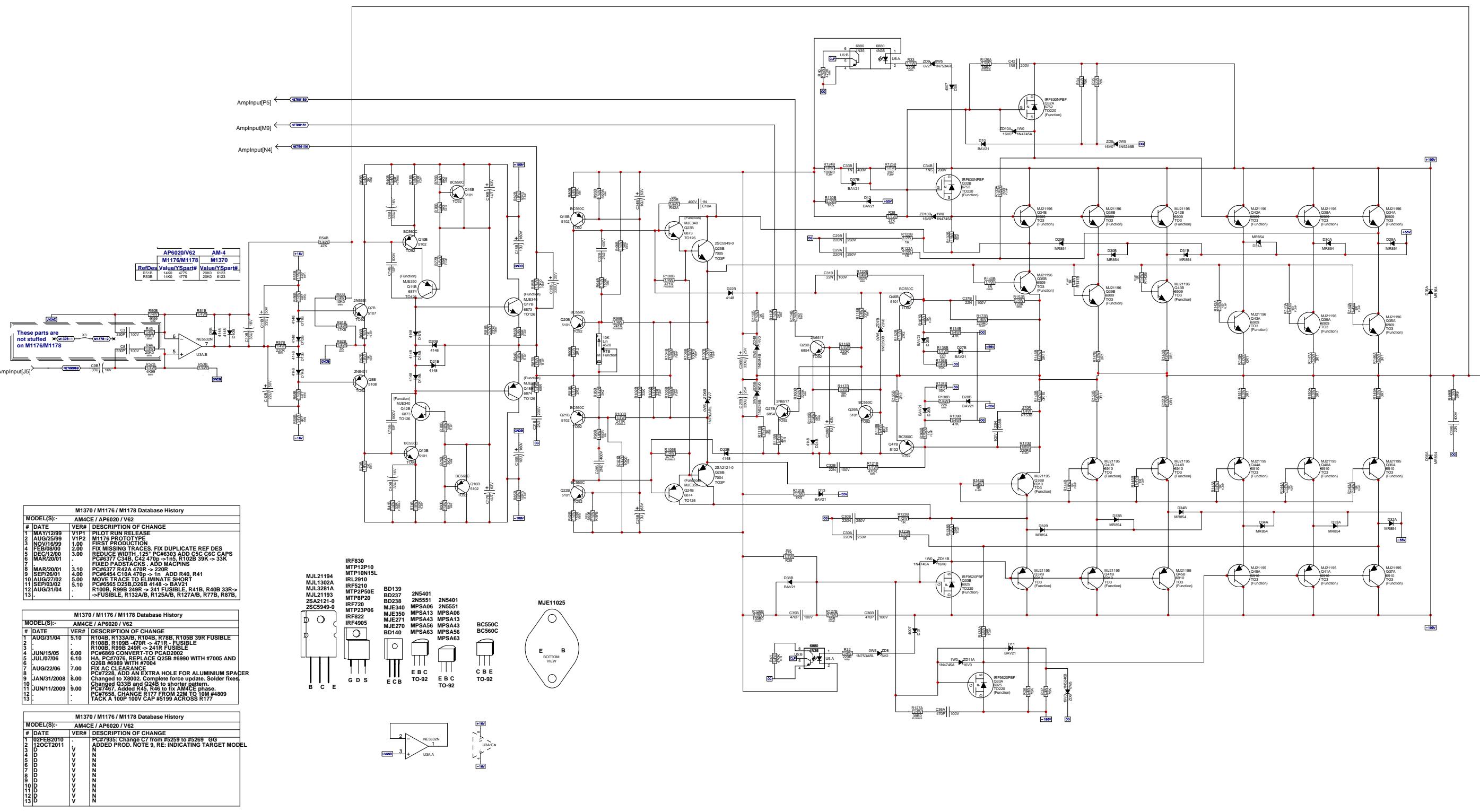
Cordon d'Alimentation

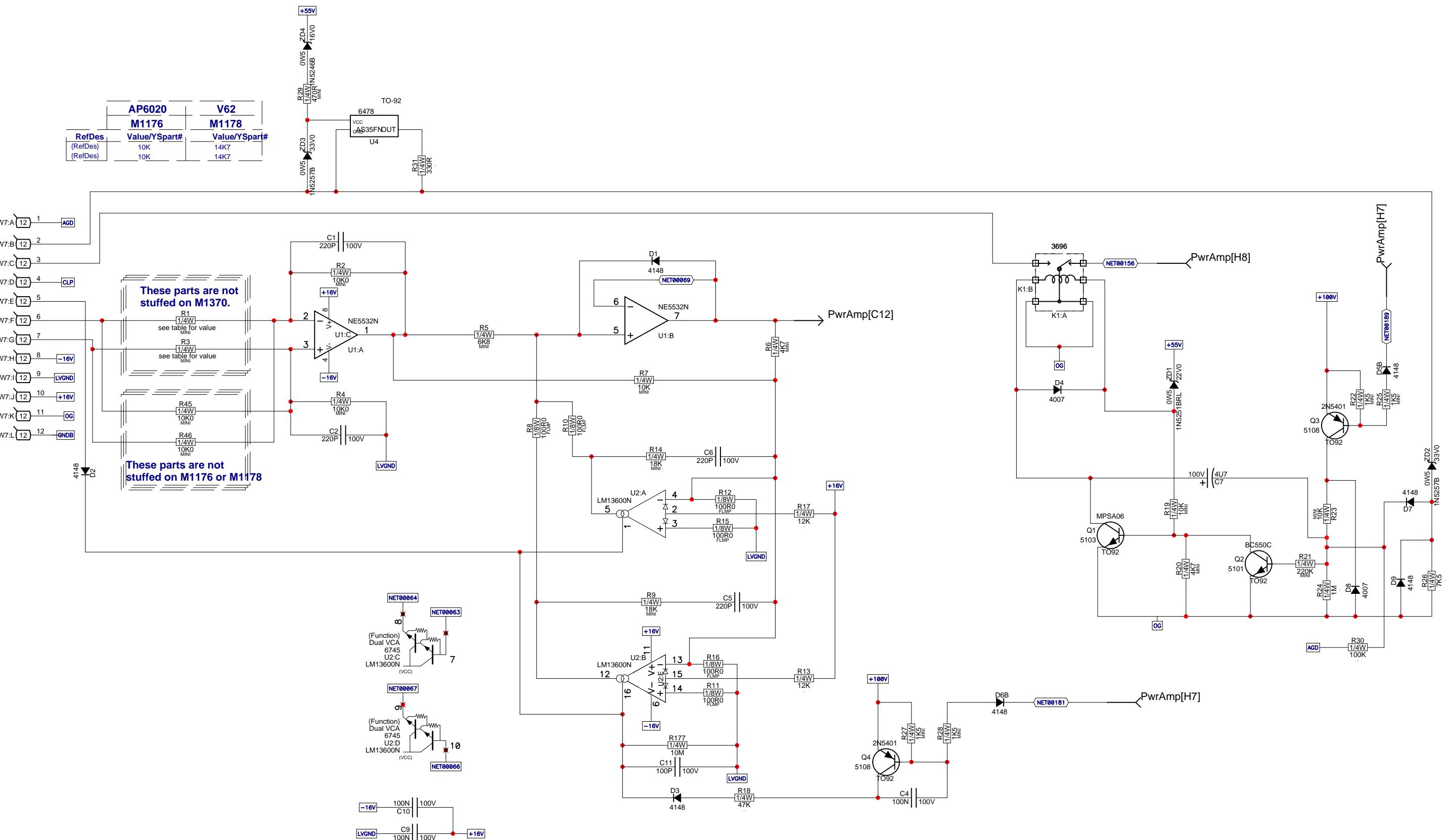
Ne pas enlever le dispositif de sécurité sur la prise polarisée ou la prise avec tige de mise à la masse du cordon d'alimentation. Une prise polarisée dispose de deux lames dont une plus large que l'autre. Une prise avec tige de mise à la masse dispose de deux lames en plus d'une troisième tige qui connecte à la masse. La lame plus large ou la tige de mise à la masse est prévu pour votre sécurité. La prise murale est désuète 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.

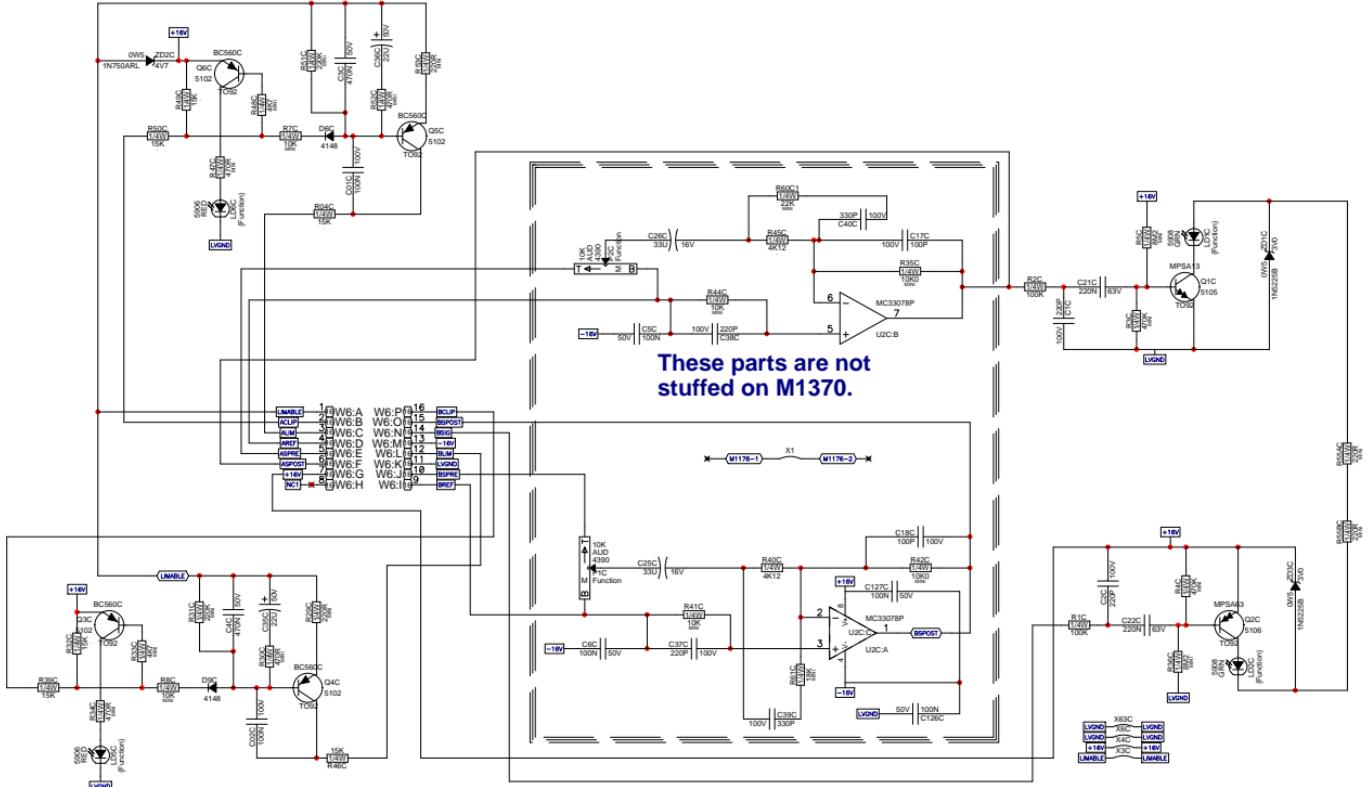
Service

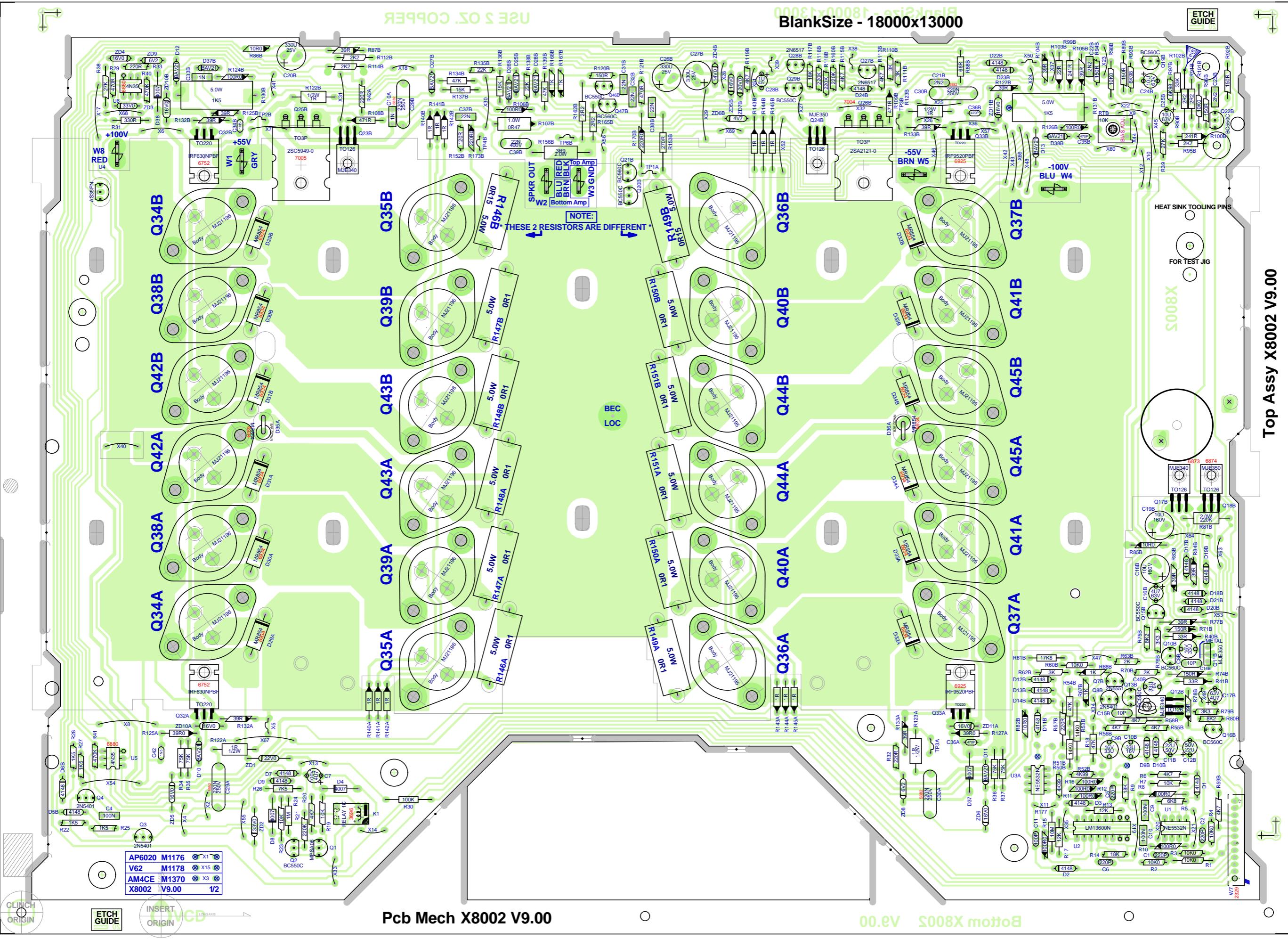
Consultez un technicien qualifié pour l'entretien de votre appareil. L'entretien est nécessaire quand l'appareil a été endommagé de quelque façon que se soit. Par exemple si le cordon d'alimentation ou la prise du cordon sont endommagés, si il y a eu du liquide qui a été renversé à l'intérieur ou des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





Product AP6020 POWER AMP		
AmplInput	PCB# X8002	Sheet 2 of 3
Date: Thu Oct 13, 2011	Rev:9V00	YsType:{Company Name}
Filename: X8002V900_001.sch2002		





Pcb Mech X8002 V9.00

Bottm X8002

AP6020 M1176

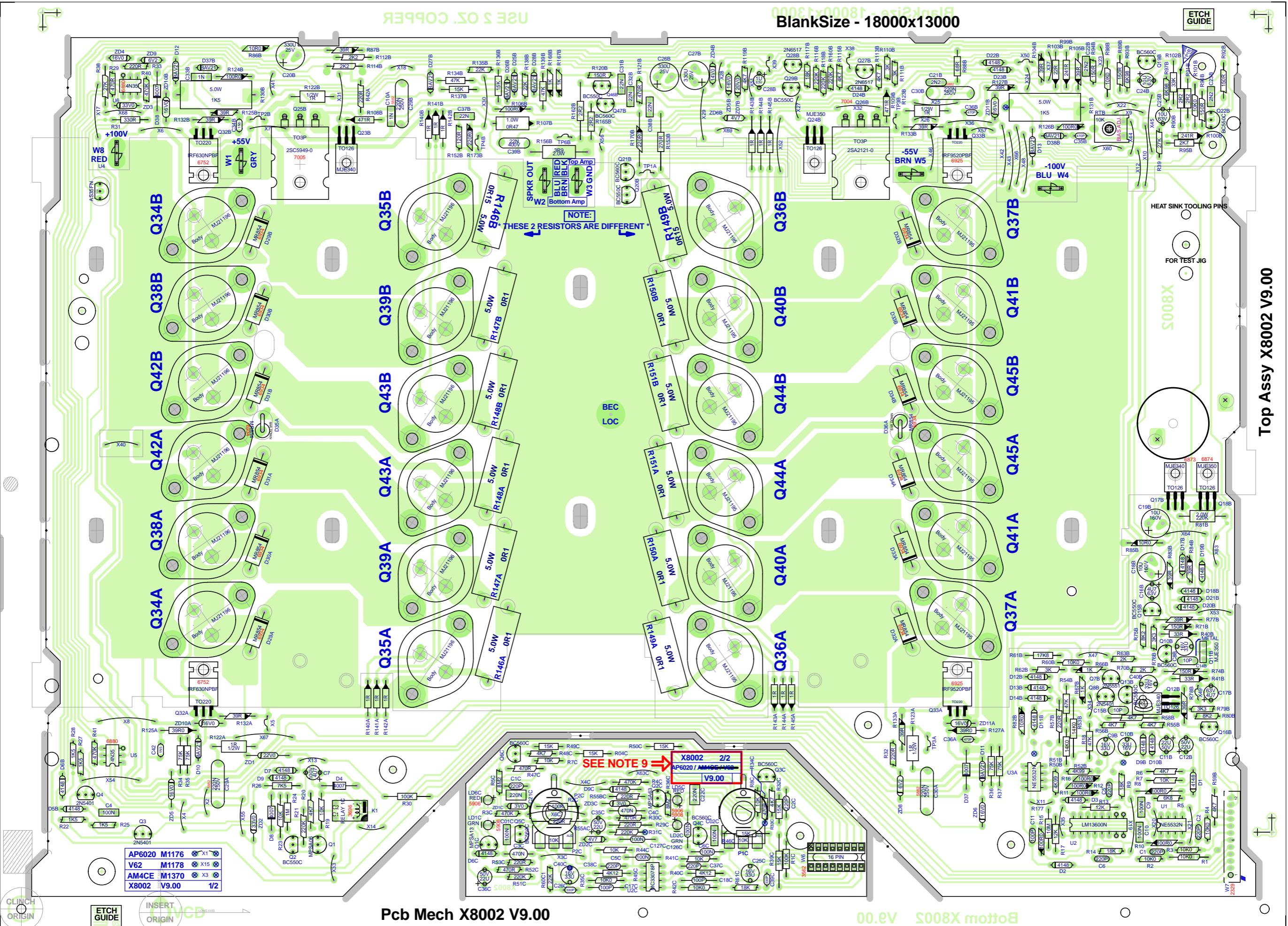
V9.00

SEE LAYOUT DOCUMENTATION

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USE 2 OZ COPPER

ETCH GUIDE



Pcb Mech X8002 V9.00

Bottm X8002

V9.00

SEE LAYOUT DOCUMENTATION

AP6020 M1176A

CLINCH
ORIGIN

ETCH
GUIDE

INSERT
VCB
ORIGIN

Top Assy X8002 V9.00



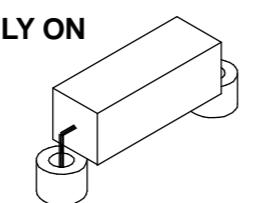
SEE LAYOUT DIAGRAM



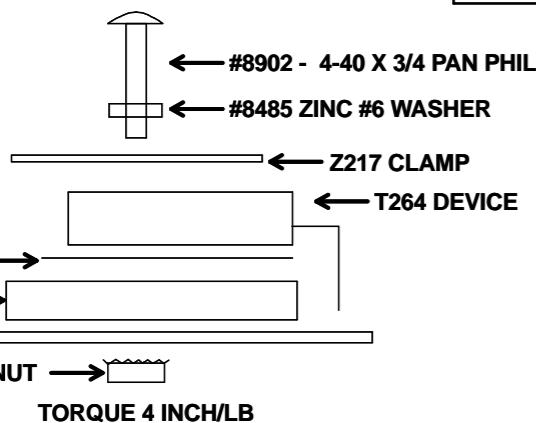
PRODUCTION NOTES

M1370/M1370A/M1176/M1176A/ M1178/M1178A

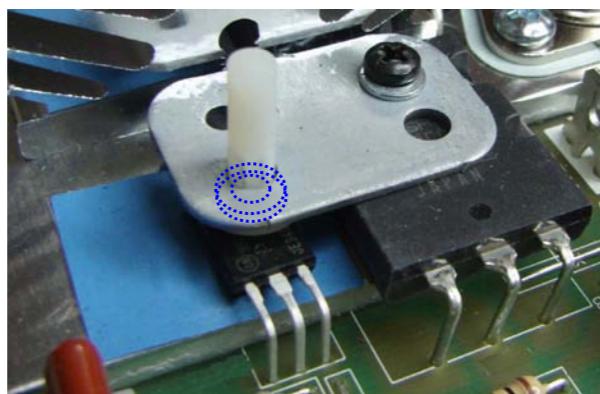
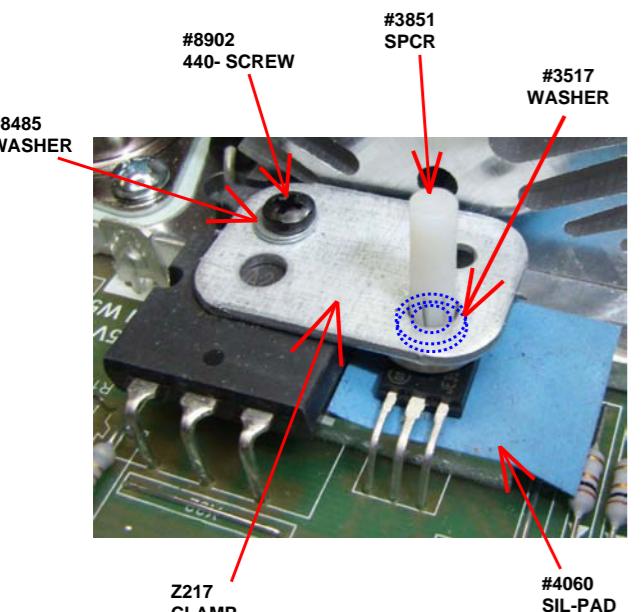
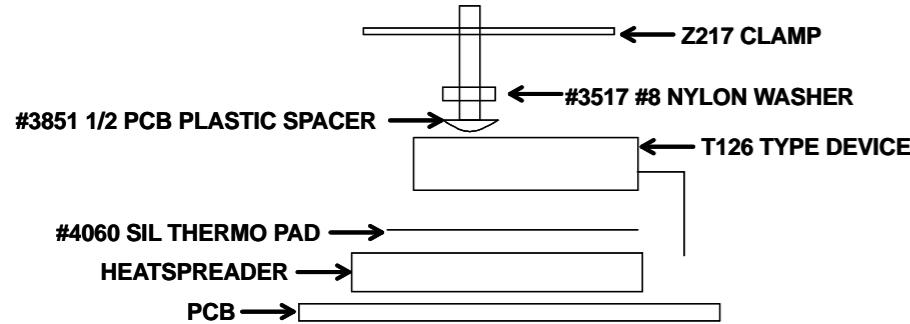
1. MOUNTING DETAILS FOR 5W ADD #8629 SPACERS ONLY ON 5 WATT RESISTORS R130A, R130B AND R131B.



2. MOUNTING HARDWARE FOR Q25B AND Q26B.

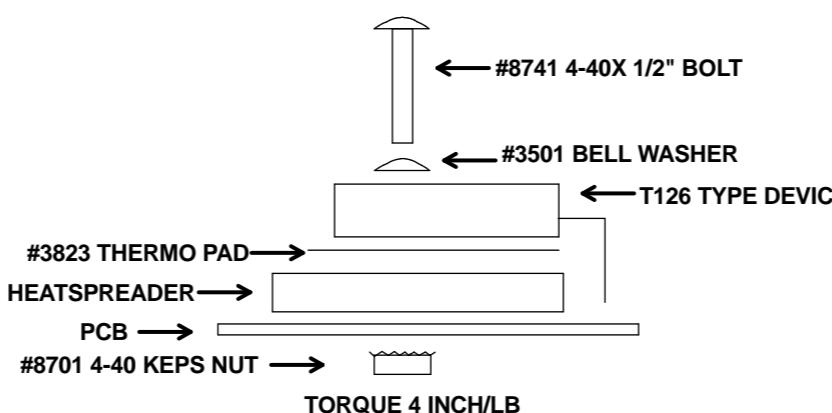


3. MOUNTING HARDWARE FOR Q23B AND Q24B.

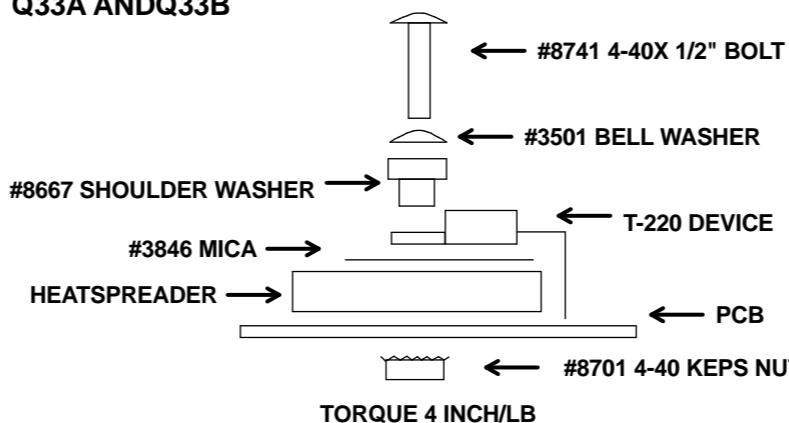


FLIPPED VERSION

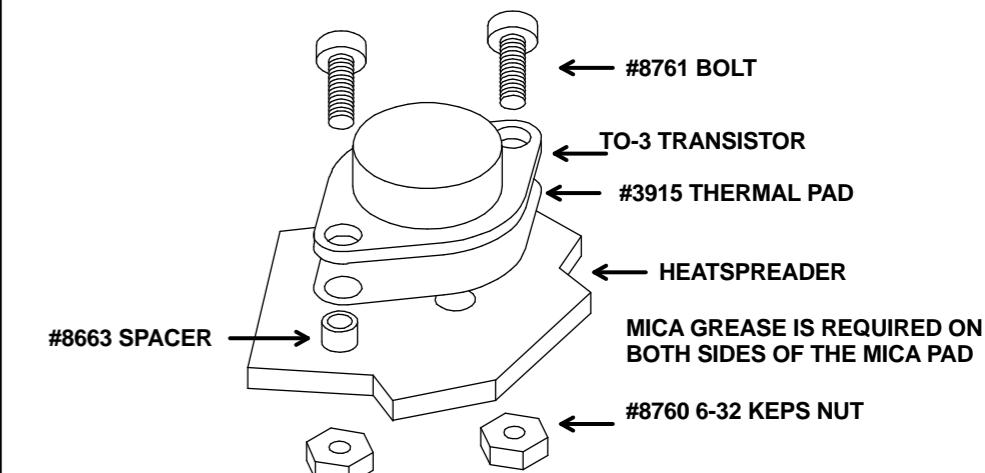
4. MOUNTING HARDWARE FOR Q17B AND Q18B.



5. MOUNTING HARDWARE FOR Q32A, Q32B
Q33A AND Q33B



6. MOUNTING HARDWARE FOR TO3 OUTPUTS



INITIAL TORQUE FOR TO-3'S IS 8 INCH/LB
FINAL TORQUE AFTER HEATSINK HAS
COOLED FROM WAVE SOLDER IS 6 INCH/LB

7. NOTE THAT R146B AND R149B ARE 0R15.

8. TAB WIRE COLOURS

TB2	RED	14AWG	+145V
TB3	GRY	14AWG	+55V
TB5	BRN	14AWG	-55V
TB6	BLU	14AWG	-145V
TB4	OUTPUT +		
TB7	OUTPUT -		

9. INDICATING THE TARGET MODEL

INVALID PRODUCT MODELS MUST BE CROSSED OUT IN THE PCB TITLE BOX.
FOR EXAMPLE, IF THE PCB IS STUFFED FOR THE AP6020, THEN MODELS 'AM4CE'
AND 'V62' MUST BE CROSSED OUT WITH A BLACK MARKER.

FOR AP6020 (M1176A):

X8002
AP6020 / AM4CE / V62
V9.00

FOR AM4CE (M1370A):

X8002
AP6020 / AM4CE / V62
V9.00

FOR V62 (M1178A):

X8002
AP6020 / AM4CE / V62
V9.00



SEE LAYOUT DIAGRAM



PIN CONFIGURATION

M1370 / M1176 / M1178 Database History

MODEL(S):- AM4CE / AP6020 / V62

#	DATE	VER#	DESCRIPTION OF CHANGE
1	MAY/12/99	V1P1	PILOT RUN RELEASE
2	AUG/25/99	V1P2	M1176 PROTOTYPE
3	NOV/16/99	1.00	FIRST PRODUCTION
4	FEB/08/00	2.00	FIX MISSING TRACES. FIX DUPLICATE REF DES
5	DEC/12/00	3.00	REDUCE WIDTH .125" PC#6303 ADD C5C C6C CAPS
6	MAR/20/01	.	PC#6377 C34B, C42 470p ->1n5, R102B 39K -> 33K
7	.	.	FIXED PADSTACKS . ADD MACPINS
8	MAR/20/01	3.10	PC#6377 R42A 470R -> 220R
9	SEP/26/01	4.00	PC#6454 C10A 470p -> 1n ADD R40, R41
10	AUG/27/02	5.00	MOVE TRACE TO ELIMINATE SHORT
11	SEP/03/02	5.10	PC#6565 D25B,D26B 4148 -> BAV21
12	AUG/31/04	.	R100B, R99B 249R -> 241 FUSIBLE, R41B, R40B 33R-> R100B, R99B 249R -> 241 FUSIBLE, R132A/B, R125A/B, R127A/B, R77B, R87B,
13	.	.	->FUSIBLE, R132A/B, R125A/B, R127A/B, R77B, R87B,

M1370 / M1176 / M1178 Database History

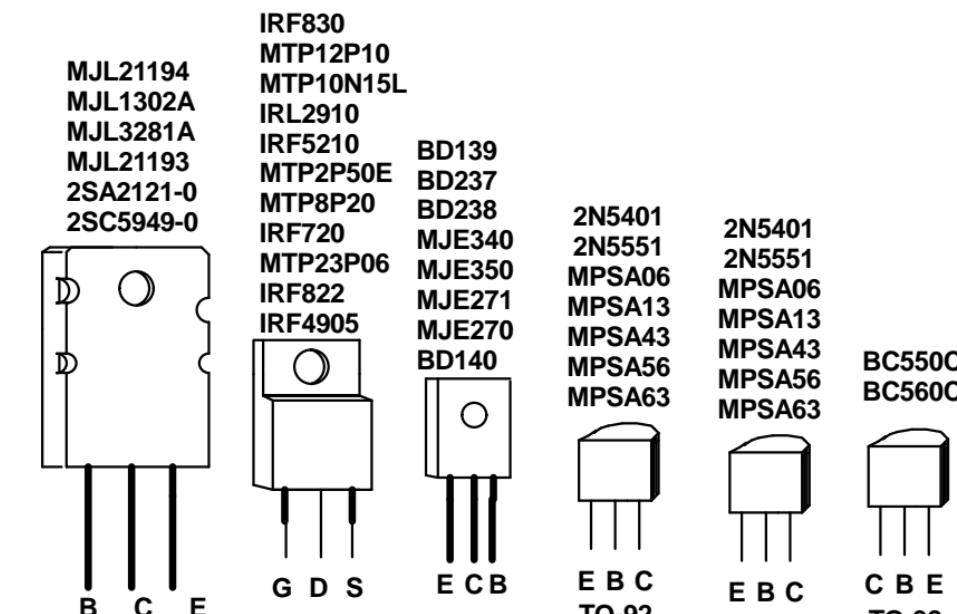
MODEL(S):- AM4CE / AP6020 / V62

#	DATE	VER#	DESCRIPTION OF CHANGE
1	AUG/31/04	5.10	R104B, R133A/B, R104B, R78B, R105B 39R FUSIBLE
2	.	.	R108B, R109B -470R -> 471R - FUSIBLE
3	JUN/15/05	6.00	R100B, R99B 249R -> 241R FUSIBLE
4	JUL/07/06	6.10	PC#6869 CONVERT-TO PCAD2002
5	.	.	HA, PC#7076, REPLACE Q25B #6990 WITH #7005 AND Q26B #6989 WITH #7004
6	AUG/22/06	7.00	FIX AC CLEARANCE
7	JAN/31/2008	8.00	PC#7228, ADD AN EXTRA HOLE FOR ALUMINIUM SPACER
8	.	.	Changed to X8002. Complete force update. Solder fixes.
9	JUN/11/2009	9.00	Changed Q33B and Q24B to shorter pattern.
10	.	.	PC#7467, Added R45, R46 to fix AM4CE phase.
11	JUN/11/2009	9.00	PC#7658, CHANGE R177 FROM 22M TO 10M #4809
12	.	.	TACK A 100P 100V CAP #5199 ACROSS R177
13	.	.	

M1370 / M1176 / M1178 Database History

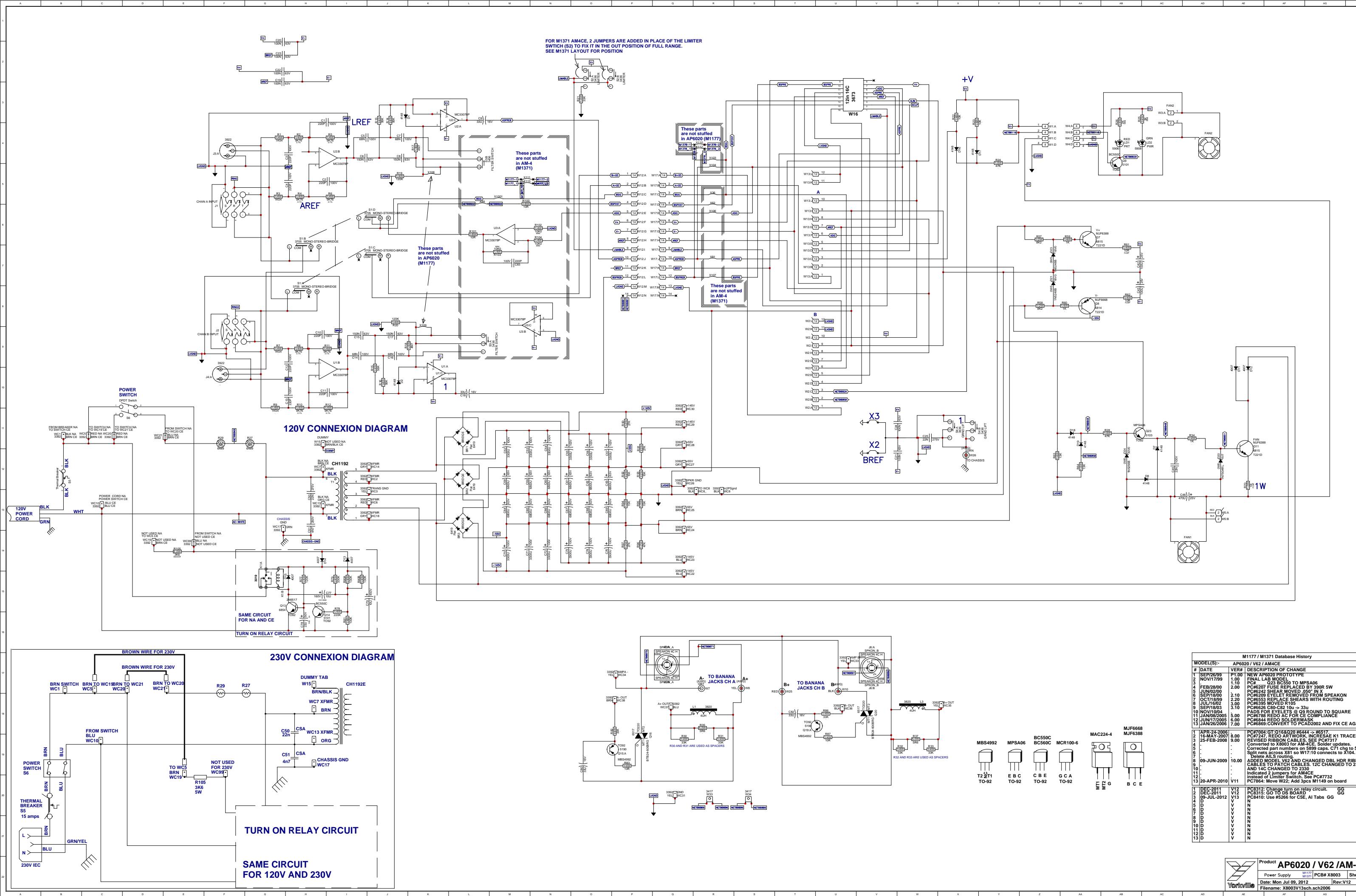
MODEL(S):- AM4CE / AP6020 / V62

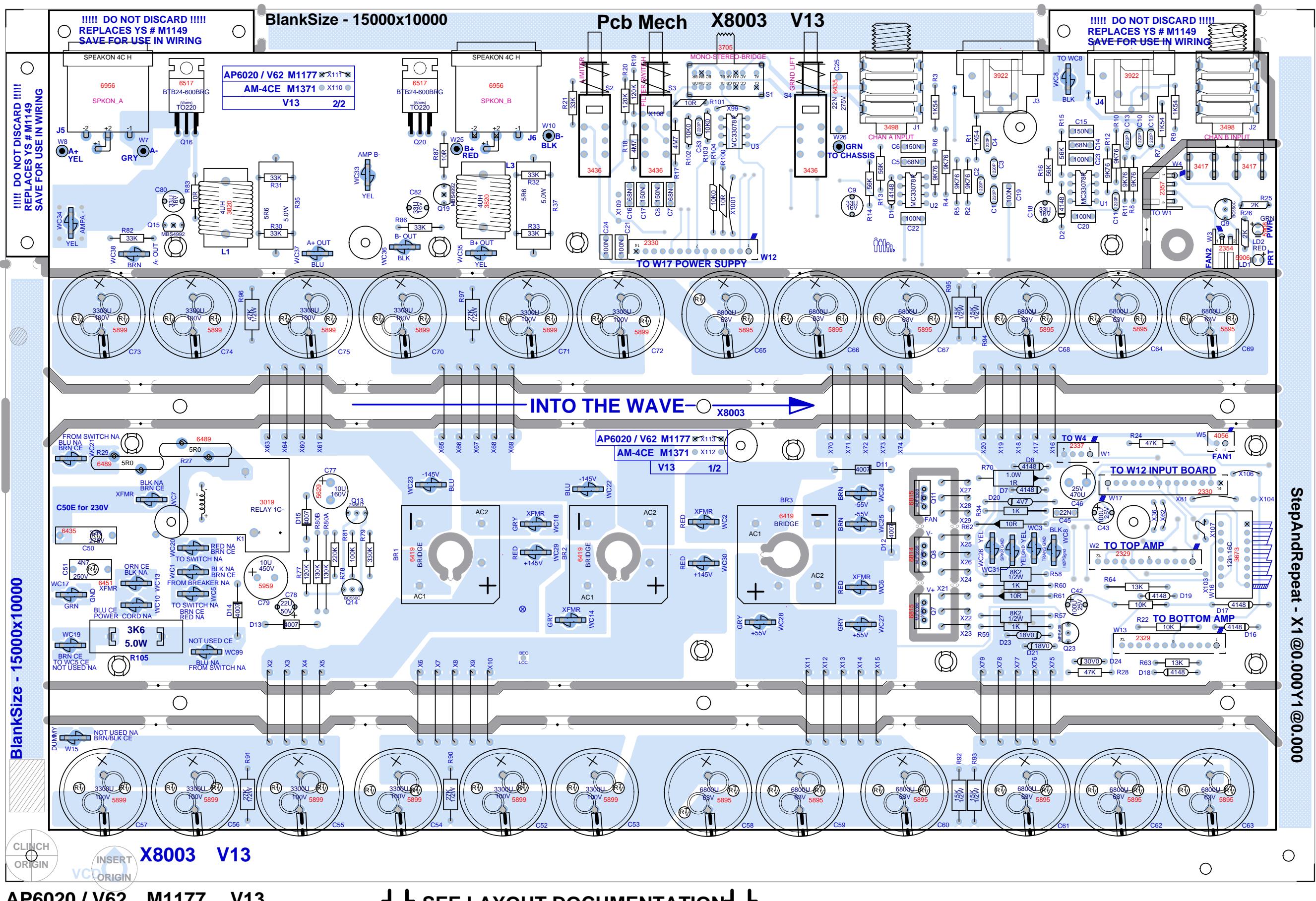
#	DATE	VER#	DESCRIPTION OF CHANGE
1	02FEB2010	.	PC#7935: Change C7 from #5259 to #5269 GG
2	12OCT2011	V	ADDED NOTE 9, RE: INDICATING TARGET MODEL
3	D	N	
4	D	N	
5	D	N	
6	D	N	
7	D	N	
8	D	N	
9	D	N	
10	D	V	
11	D	V	
12	D	V	
13	D	V	



MJE11025
MJE11025
MJE11025
MJE11025

E BOTTOM B
VIEW







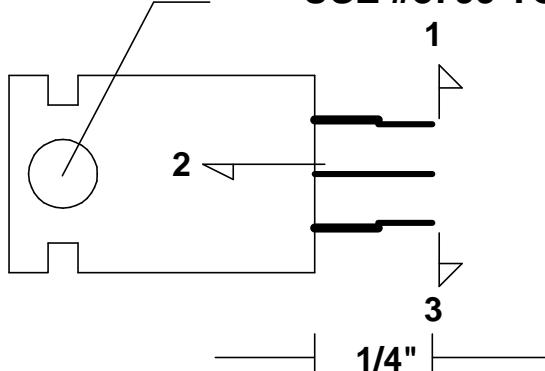
SEE LAYOUT DIAGRAM



PRODUCTION NOTES M1177 AP6020

1. MOUNTING DETAILS FOR Q30 TRIAC

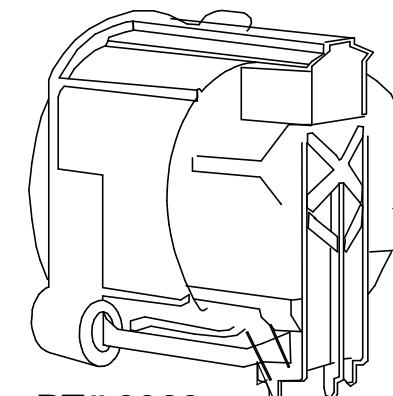
USE #8799 TO MOUNT TRIAC Q30



BEND DOWN 1/4" FROM BODY
OF TRANSISTOR

IMPORTANT!

AFTER MOUNTING DEVICE
DO NOT CUT LEGS #2 OR #3
BEND LEGS IN DIRECTION SHOWN
IT IS IMPERATIVE THAT LEGS
MARKED 2 AND 3 ARE BENT FLAT
AGAINST THE COPPER SURFACE



PT# 3922
THIS CONNECTION
MUST BE BROKEN HERE

2. CUT LARGE CAP LEADS BEFORE WAVE SOLDER.
3. SCREW DOWN BRIDGES WITH #8753 SCREW.
4. REMOVE GROUND TAB ON XLR JACKS.

6. BEFORE WAVE SOLDER, CHECK FOR MISSING TABS
HIGHLIGHTED BY THICKER LEGEND SILKSCREEN.

8. FOR EACH AMPLIFIER ONLY 2PCS OF M1149 SUB-BOARDS ARE NEEDED.
THE THIRD ONE IS A SPARE ONE.

SEE LAYOUT DIAGRAM

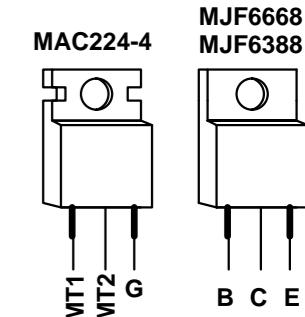
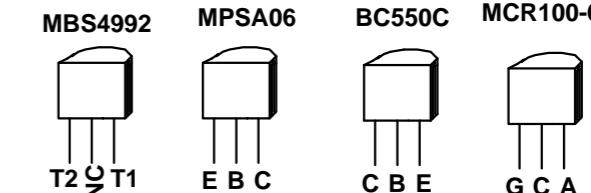
M1177 / M1371 Database History			
MODEL(S):- AP6020 / AM4CE			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	SEP/26/99	P1.00	NEW AP6020 PROTOTYPE
2	NOV/17/99	1.00	FINAL LAB MODEL
3		1.10	PC# Q23 BC550 TO MPSA06
4	FEB/28/00	2.00	PC#6207 FUSE REPLACED BY 390R 5W
5	JUN/02/00		PC#6242 SHEAR MOVED .050" IN X
6	SEP/18/00	2.10	PC#6209 EYELET REMOVED FROM SPEAKON
7	OCT/18/99	2.20	PC#6553 REPLACE SHEARS WITH ROUTING
8	JUL/16/02	3.00	PC#6395 MOVED R105
9	SEP/18/03	3.10	PC#6626 C80-C82 10u -> 33u
10	NOV/10/04		PADS FOR EYELETS @ Q9 ROUND TO SQUARE
11	JAN/08/2005	5.00	PC#6788 REDO AC FOR CE COMPLIANCE
12	JUN/17/2005	6.00	PC#6844 REDO SOLDERMASK
13	JAN/26/2006	7.00	PC#6869: CONVERT TO PCAD2002 AND FIX CE AGAIN
14	APR-24-2006		PC#7004:GT:Q16&Q20 #6444 -> #6517.
15	16-MAY-2007	8.00	PC#7247, REDO ARTWORK, INCRESAE K1 TRACES THICK
16	25-FEB-2008	9.00	REVISED RIBBON CABLES, SEE PC#7317
17	.	.	Converted to X8003 for AM-4CE. Solder updates.
18	.	.	Corrected part numbers on 5899 caps. C71 chg to 5899.
19	.	.	Split nets across X81 so W17:10 connects to X104.
20	09-JUN-2009	10.00	Delete AILS routing.
21	.	.	ADDED MODEL V62 AND CHANGED DBL HDR RIBBON
22	.	.	CABLES TO PATCH CABLES. 12C CHANGED TO 2329
23	29-JUN-2009		AND 14C CHANGED TO 2330
24	.	.	Indicated 2 jumpers for AM4CE
25	20-APR-2010	V11	instead of Limiter Swiitch. See PC#7732
			PC7864: Move W22; Add 3pcs M1149 on board GG
1	DEC-2011	V12	PC8312: Change turn on relay circuit. GG
2	DEC-2011	V12	PC8315: GO TO DS BOARD GG
3	09-JUL-2012	V13	PC8410: Use #5266 for C5E, AI Tabs GG
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

M1177 / M1371 DRILL HISTORY			
MODEL(S):- AP6020 / AM4CE			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	JAN/26/2006	17	REVISED PER PC#6869
2	OCT/16/2007	P0	REVISED PER PC#7317
3	D	V	N
4	D	V	N
5	D	V	N
6	D	V	N

M ____ PENDING CHANGES		
MODEL(S):- {MODEL}		
#	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

PIN CONFIGURATION





Yorkville Sound
550 Granite Court
Pickering, Ontario
Canada L1W 3Y8

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SERVICE BULLETIN

Date : February 29, 2000
Re : AP6020 / AP6040 Internal Fuse Problem

Dear Staff & Dealers,

We are sorry to advise that a service issue has developed with the AP6020 and AP6040 power amplifiers that will eventually affect every unit shipped before February 26th, 2000. All units in stock in Canada and the USA have been reworked to correct this problem.

The problem is serious enough that it is necessary to modify all units in the field, so we are here by issuing a service bulletin that will be followed up with letters and phone calls to all affected dealers and distributors.

All units should be modified as soon as possible. The units can either be returned to Yorkville for modification, or can easily be modified in the field by a qualified service technician. We will, of course, accept warranty claims for this modification.

Required Modification:

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- Remove the lid from the unit and both power amp boards.
 - Locate the small 0.1A fuse on lower power supply board (#M1151 - AP6040 or M1177 - AP6020). This is the only fuse in the unit.
 - Replace this fuse with a 5W 390R resistor (YSL Part#4736).
 - Dress all wires away from the two 5W 390R resistors.
 - In order to be sure that no damage was done to the upper power amp boards when they were removed it is strongly advised that the technician carefully retouch the solder on the three legs of each of the following transistors: #Q32A, Q32B, Q33A and Q33B on each of the two power amp boards (AP6040 - M1176/M1176A, AP6020 - M1150/M1150A)
 - Replace the upper boards and lid.

Sorry for any inconvenience caused as a result of this problem. For further technical information or assistance please contact Peter Mourtos at Yorkville Sound via phone at (905)837-8550 Ext.218 or via email at pmourtos@yorkville.com .

Enclosed - Layouts for AP6020/AP6040 Power Supply and Power Amplifier boards.

ADD #8629 SPACERS ONLY ON
5 WATT RESISTORS
R29, R29A R45 AND R45A

MOUNTING HARDWARE FOR Q5, Q6

#8871 4-40X 1/2" BOLT
#3501 BELL WASHER
T264 DEVICE
#3797 THERMO PAD
HEATSPREADER
PCB
#8701 4-40 KEPS NUT
TORQUE 4 INCH/LB

MOUNTING HARDWARE FOR Q40, Q41

#8741 4-40X 1/2" BOLT
#3501 BELL WASHER
T126 TYPE DEVICE
#3797 THERMO PAD
HEATSPREADER
PCB
#8701 4-40 KEPS NUT
TORQUE 4 INCH/LB

MOUNTING HARDWARE FOR Q11, Q12

#8741 4-40X 1/2" BOLT
#3501 BELL WASHER
#8667 SHOULDER WASHER
T-220 DEVICE
#3846 MICA
HEATSPREADER
PCB
#8701 4-40 KEPS NUT
TORQUE 4 INCH/LB

MOUNTING HARDWARE FOR TO3 OUTPUTS

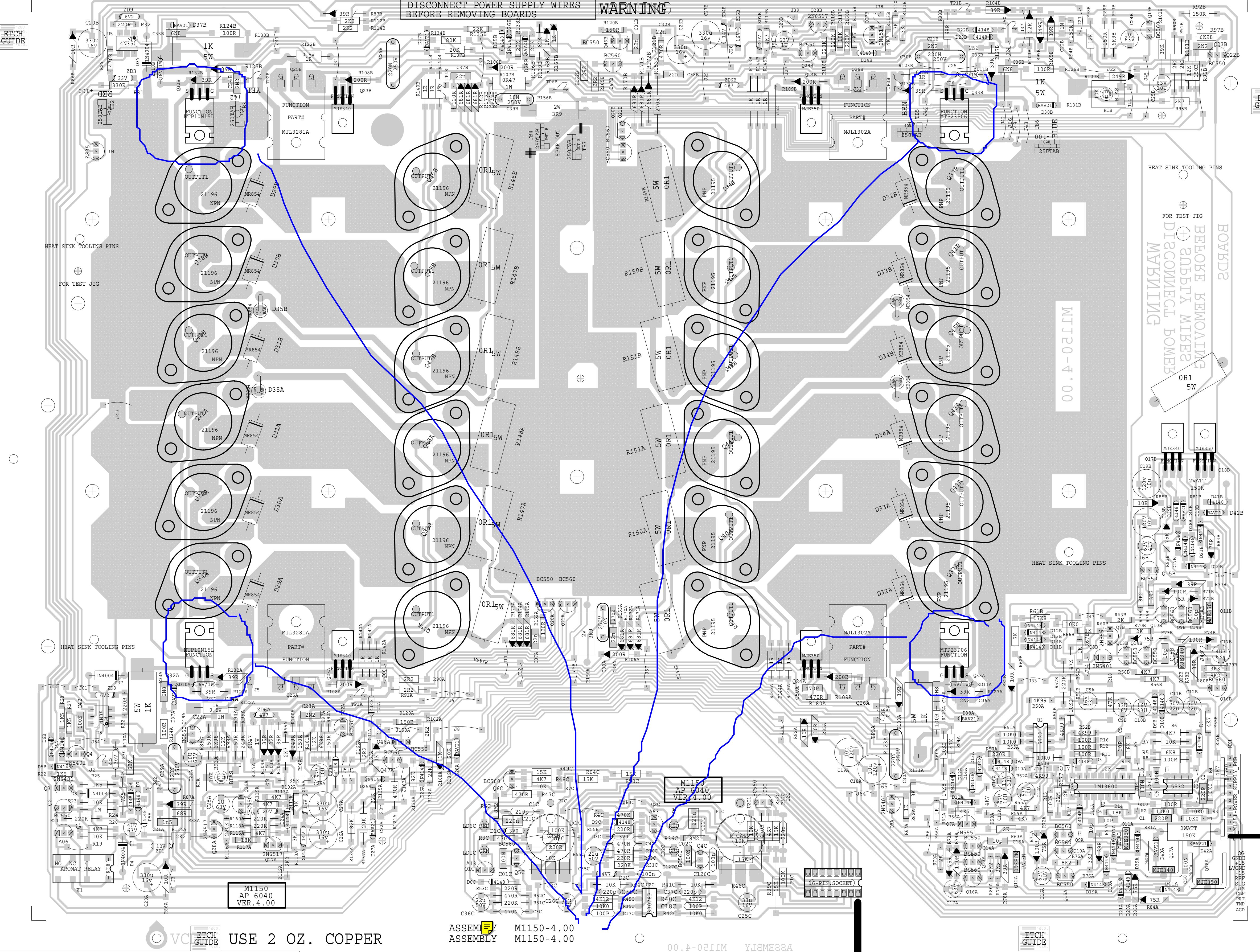
#8835 BOLT
TO-3 TRANSISTOR
#3815 MICA
HEATSPREADER
#8663 SPACER
MICA GREASE IS REQUIRED ON
BOTH SIDES OF THE MICA PAD
#8800 6-32 KEPS NUT

INITIAL TORQUE FOR TO-3'S IS 8 INCH/LB
FINAL TORQUE AFTER HEATSINK HAS
COOLED FROM WAVE SOLDER IS 6 INCH/LB

TAB WIRE COLOURS

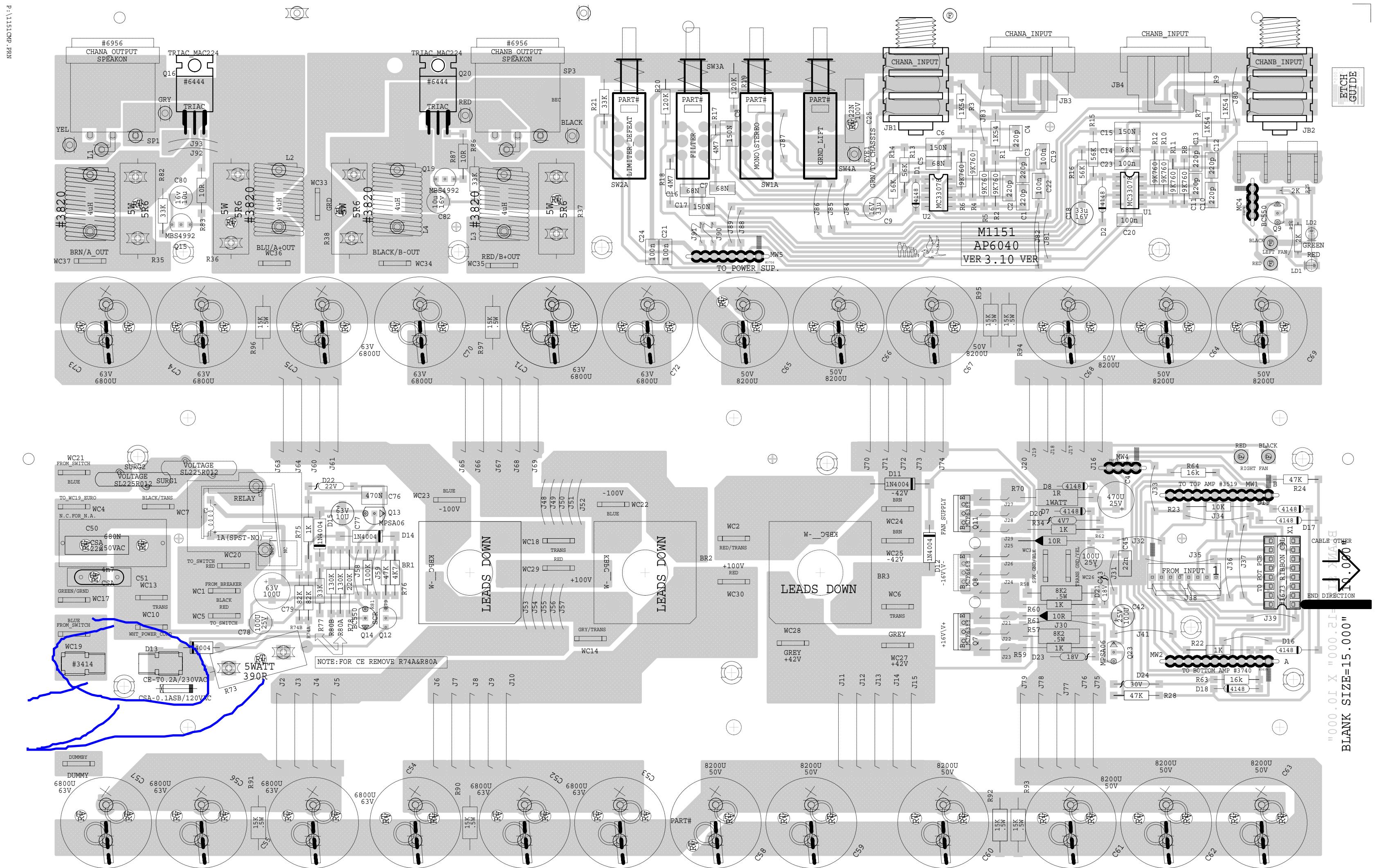
TAB 2	RED	14AWG
TAB 3	YEL	14AWG
TAB 5	BRN	14AWG
TAB 6	BLU	14AWG

TAB 4	OUTPUT +	
TAB 7	OUTPUT -	



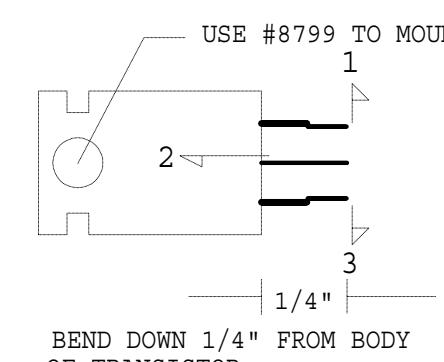
USE 2 OZ. COPPER

M1150-PCB DATABASE HISTORY		
MODEL(S) :- AP6040		
#	DATE	VER# DESCRIPTION OF CHANGE
1	MAY12/99	1.00 PILOT RUN RELEASE
2.00	AUG/10/99	PC#6043 C50A CONNECTIONS ALTERED PC#6044 ADD R30 R50A/B R52A/B_10K0 ->4K99 R35C/R42C 20K0-510K0
.	.	PC#6042 C50A B TO C Q24A ADD J63 TO SCREW
.	.	ELIMINATE SHORT TO SCREW
AUG/24/99	3.00	PC#6033 R163A/R158A->J163A/J158A
SEP/16/99	4.00	PC#6066 C1260 PIN V- ->GND PC#6098 CHANGES AS PER PC #3673 RIBBON->#3582 SKT
NOV/26/99	4.00	PC#6066 REPAIR ERROR

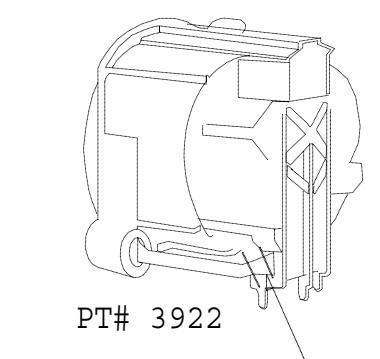


M1151.PCB DATABASE HISTORY			
MODEL(S) :- AP6040		# DATE	VER#
#	DATE	VER#	DESCRIPTION OF CHANGE
1	AUG/10/99	2.00	PC#6034 LD2 ROTATED TRIACS Q18,Q22 DELETED. R85,Q17,C81 R84,R88,Q21,C83,R89 DELETED TRACES ENLARGED
2	.	.	
3	.	.	
4	.	.	
5	SEP/28/99	3.00	PC#6125 CHANGE SPACING R73 PC#6128 CHANGE SPACING OF COILS
6	.	.	
7	OCT/18/99	.	REPLACE 16 PIN IC-SOCKET WITH #3673
8	.	.	
9	JAN/31/00	3.10	RIBBON CABLE PC# - Q23 BC550->MPSA06 (TO MATCH SCHEMATIC)
10	5	N	
11	6	N	
12	7	N	
13	8	N	
14	9	N	
15	10	N	
16	11	N	
17	12	N	
18	13	N	
19	14	V	
20	15	V	
21	16	V	
22	17	V	
23	18	V	

1 MOUNTING DETAILS FOR Q30 TRIAC



IMPORTANT
AFTER MOUNTING DEVICE
DO NOT CUT LEGS #2 OR #3
BEND LEGS IN DIRECTION SHOWN
IT IS IMPERATIVE THAT LEGS
MARKED 2 AND 3 ARE BENT FLAT
AGAINST THE COPPER SURFACE



THIS CONNECTION
MUST BE BROKEN HERE

2 CUT LARGE CAP LEADS BEFORE WAVE SOLDER.

3 SCREW DOWN BRIDGES WITH #8753 SCREW.

