



SERVICE MANUAL

TYPE: YS1003
YCV50

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

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Quality and Innovation Since 1963
Printed in Canada

IMPORTANT SAFETY INSTRUCTIONS



INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

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.**

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**

Read Instructions

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

Packaging

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

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.

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.

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.

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

Power Cord

The AC supply cord should be routed so that it is unlikely that it will be damaged. If the AC supply cord is damaged DO NOT OPERATE THE UNIT.

Service

The unit should be serviced only by qualified service personnel.

Veillez Lire le Manuel

Il contient des informations qui devraient être comprises avant l'opération de votre appareil. Conservez S.V.P. ces instructions pour consultations ultérieures.

Emballage

Conservez la boîte au cas où l'appareil devait être retourner pour réparation.

Attention:

Lors de l'utilisation de produits électrique, 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.

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.

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.

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

Cordon d'Alimentation

Évitez d'endommager le cordon d'alimentation. N'UTILISEZ PAS L'APPAREIL si le cordon d'alimentation est endommagé.

Service

Consultez un technicien qualifié pour l'entretien de votre appareil.

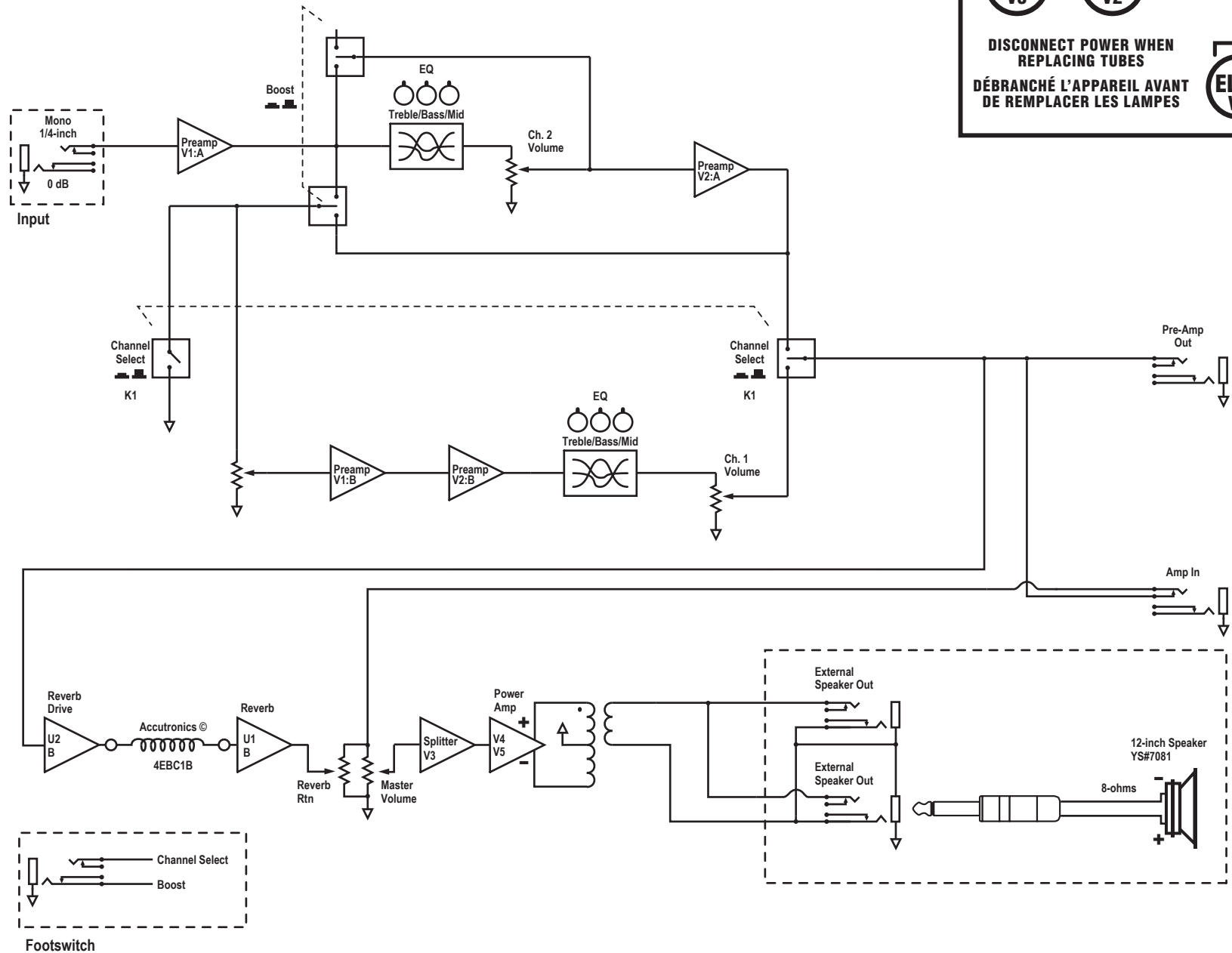
YCV40BLUE Parts List 4/25/2008

YS No.	Description	Qty.	YS No.	Description	Qty.
5906	RED 3MM LED 1V9 20MA.4SPCER T&R	1	4736	5.0W 390R 5% BLK RES	1
5907	YEL 3MM LED 1V9 20MA.4SPCER T&R	1	4821	1/4W 470R 5% T&R RES	2
5908	GRN 3MM LED 1V9 20MA.4SPCER T&R	1	4891	1/4W 620R 5% T&R RES	2
6397	JEWELLED PILOT LAMP AMBER REG V1	1	4822	1/4W 820R 5% T&R RES	2
6398	RED 5MM LED 1V5 20MA HIGH EFF	1	4823	1/4W 1K 5% T&R RES	1
6399	YEL 5MM LED 1V5 20MA HIGH EFF	1	4913	1.0W 1K 5% T&R RES	2
6438	1N4007 1000V 1A0 DIODE T&R	10	4824	1/4W 1K5 5% T&R RES	5
6825	1N4148 75V 0A45 DIODE T&R	6	4631	1/2W 2K 5% T&R RES	2
6461	1N5240BRL 10V0 0W5 ZENER 5% T&R	1	4847	1/4W 2K2 5% T&R RES	5
6731	7824 TO220 P 24V0 REG	1	4826	1/4W 3K3 5% T&R RES	1
5101	BC550C TO92 NPN TRAN T&R TB	3	4827	1/4W 4K7 5% T&R RES	2
5103	MPSA06 TO92 NPN TRAN T&R TA	3	4829	1/4W 10K 5% T&R RES	11
6730	IRF830 TO220 NCH MFET TN	1	6159	1.0W 15K 5% T&R RES	1
6884	NE5532N IC DUAL OP AMP	2	4831	1/4W 18K 5% T&R RES	3
5197	220P 100V 2%CAP T&R RAD CER.2"NPO	2	4632	1/2W 22K 5% T&R RES	1
5203	47P 100V 2%CAP T&R RAD CER.2"NPO	1	4833	1/4W 27K 5% T&R RES	2
5201	470P 100V 5%CAP T&R RAD CER.2"NPO	4	4890	1/4W 30K 5% T&R RES	1
5206	1N 400V 5%CAP T&R RAD .2"FLM	4	4840	1/4W 33K 5% T&R RES	2
5208	2N2 400V 5%CAP T&R RAD .2"FLM	4	4868	1/4W 36K 5% T&R RES	2
5273	1N5 200V 5%CAP T&R RAD CER.2"NPO	2	4634	1/2W 47K 5% T&R RES	1
5422	1N 50V 10%CAP T&R BEAD NPO	1	4834	1/4W 47K 5% T&R RES	6
5209	4N7 250V 5%CAP T&R RAD .2"FLM	3	4586	1/4W 82K 5%MINI T&R RES	1
5224	47N 100V 10%CAP T&R RAD .2"FLM	4	4838	1/4W 100K 5% T&R RES	11
5840	22N 400V 10%CAP BLK RAD POLY FLM	3	4942	1/4W 100K 5% .2"U T&R RES	1
6435	22N 275V 20%CAP BLK 'X'2 15MM AC	1	4776	1/4W 113K 1% T&R RES	3
6451	4N7 250V 20%CAP BLK 'Y' 10MM AC	1	4851	1/4W 120K 5% T&R RES	5
5212	100N 63V 5%CAP T&R RAD .2"FLM	7	4790	2.0W 150K 5%10MM BODY T&R RES	1
5227	82N 100V 5%CAP T&R RAD .2"FLM	1	4668	2.0W 220K 5%10MM BODY T&R RES	2
5233	330N 63V 5%CAP T&R RAD .2"FLM	1	6126	1/4W 220K 5%MINI T&R RES	5
5234	470N 63V 10%CAP T&R RAD .2"FLM	2	6145	1/4W 249K 1%MINI T&R RES	1
5865	100N 250V 10%CAP BLK RAD POLY FLM	3	4879	1/4W 270K 5% T&R RES	1
5882	220N 250VDC 10%CAP BLK RAD POLY FLM	2	4842	1/4W 330K 5% T&R RES	2
5254	1U 63V 20%CAP T&R 4X7MM .2"EL	1	4843	1/4W 470K 5% T&R RES	3
5257	2U2 63V 20%CAP T&R RAD .2"EL	1	4844	1/4W 1M 5% T&R RES	6
5631	22U 50V 20%CAP T&R 6X7MM .2"EL	11	3610	10.0" 9C-26AWG RIB 3/4" NOTCH 0.1"	4
5945	10U 63V 20%CAP T&R RAD .2"EL	3	3700	RELAY 2C 01AMP DC24 015MA PC-S	2
5959	10U 450V 20%CAP BLK EL	4	3537	ACC# 4EB3C1B LONG REVERB	1
5267	100U 25V 20%CAP T&R RAD .2"EL	1	8865	4-40 X 5/16 PAN PH MS JS500	18
5268	220U 35V 20%CAP T&R RAD .2"EL	1	8741	4-40 X 1/2 PAN PH MS JS500	2
5621	470U 63V 20%CAP BLK 12X25MM EL	1	8832	6-32 X 1/4 PAN PH TAPTITE JS500	11
5879	100U 16V 20%CAP T&R 8X7MM .2"EL	2	8807	6-32 X 5/16 PAN PH MS JS500	1
5902	82U 450V 20%CAP BLK 22X30MM	1	8801	6-32 X 3/8 PAN PH TAPTITE JS500	4
6541	RCA SINGL PCB MT HORZ K901	2	8829	6-32 X 3/8 FLAT PH TAPTITE BO#C HEA	11
TFS-2B	TRAYNOR DUAL FOOTSWCH 10' CORD-BULK	1	8755	#6 X 5/8 PAN PH TYPE A JS500 BLACK	2
4423	20K 15AAUDIO 9MM P32	3	8785	#8 X 3/4 OVAL PH TYPE A BLACK OXIDE	16
4424	100K 1B LIN 9MM P32	3	8722	#8 X 1" PAN QUAD TYPE AB B/O	4
4425	500K 15AAUDIO 9MM P32	5	8809	10-32 X 1/4 PAN PH TAPTITE JS500	25
4517	22K TRIM POT	1	8753	#10 X 1/2 PAN PH TYPE A JS500 BLACK	2
713	25 X 20 X 50 2 MIL PLASTIC BAG	1	8756	#10 X 3/4 PAN PH TYPE A BLACK OXIDE	6
3976	SNAP ON 0.843" INSULATING BUSHING	2	8727	#10 X 1" PAN PH TYPE A JS500 BLACK	4
8522	RUBBER BUMPER WITH WASHER -SMALL-	4	8912	10-32 X 1 FLAT PHIL MS JS500 BLK	2
8563	CORNER, 2 LEGS NOTCHED BLK PLASTIC	8	8786	10-32 X 1 1/4 PAN QD MS JS500 BLACK	4
3478	CLIP 205/187X032 18-22AWG DISCO/INS	5	8770	1/4-20 X 1 5/16 TRUSS PH MS JS500	4
3487	CLIP 250X032 14-16AWG MALE BULK	1	3741	.5 SPACER ID-.171 OD-.25 #912-500	4
3489	CLIP 250X032 18-22AWG DISCO/INSL	2	3865	1/2 PLASTIC HEX SPACER #6	11
3494	CLIP 205/187X020 14-16AWG DISCO/INS	2	3858	3/4 PLASTIC HEX SPACER #4	7
3602	RING TERMINAL 18AWG WIRE & #8 SCREW	2	7081	12" 8R 60WPGM SPKR CELEST VINT30	1
3682	250 MALE PCB TAB REEL	15	8482	3/8 1D FLAT WASHER	1
3450	1/4" JCK PCB MT ALL-GOLD SKT	2	8488	3/8 INT TOOTH LOCKWASHE ZINC	1
NYS224	280 PLUG NEUTRIK NYS224	1	8491	#10 SPLIT LOCK WASHER BO	8
3498	1/4" JCK PCB MT HORZ	3	8820	#8 FLAT WASHER JS500	4
3921	1/4" JCK PCB MT VERT STER RT SWT	1	8817	#10 FLAT WASHER FOR 3/16" BOLT	8
3890	36"RCA DUAL CABLE 0'90" RED/WHITE	1	3522	DPDT MINI PC VERT SNP ALT	4
3451	EYELET SMALL 0.089 OD PLATED	34	3698	SPST ROKR SW QUIK 180" AC PWR BL/BL	1
2403	T2.0AL 5X20MM FUSE	1	3887	ADHESIVE LINED GROMMET EDGING	1
8451	10" STRAP HANDLE,BLACK METAL ENDCAP	1	3731	SPRING RETAINER FOR OUTPUT TUBE	2
8604	10-32 T NUT	6	3732	9 PIN PC MOUNT TUBE SOCKET BE	3
8889	RUBBER GROMMET #2183-034-BLK	4	3733	8 PIN PC MOUNT TUBE SOCKET	2
3438	IEC PWR SOC W/.205TAB &FUSE 10A250V	1	12AX7BLK	12AX7 DUAL TRIODE PREAMP TUBE	3
3552	NYLON SPRING CLAMP	4	EL34EH	EL34 E.H. EARLY MULLARD STYLE	2
3810	4" NYLON CABLE TIE	14	CH1324	YCV40 POWER 120-100VAC 50-60HZ XFMR	1
8430	KNOB CHICKEN-BEAK	11	CH1324M	YCV40 O/P TRAN XFMR	1
8638	KNOB APMIXER PUSHSW BUTTON GREY	4			
3428	8' 3/18 SJT AC LINE CORD REMOVABLE	1			
8264	LOGO TRAYNOR YBA/YCV EMBOSSED ALUM	1			
3674	9 CIR CABLE HOLDER .098	4			
8701	4-40 KEPS NUT ZINC	2			
8800	6-32 KEPS NUT ZINC	4			
8890	1/4-20 CAGE NUT C79-88142027	4			
3796	ELASTOMER PAD TSIL 1.0X0.8	1			
3850	TO-220 PLASTIC TRANSISTOR INSULATOR	2			
4599	22AWG SOLID SC WIR T&R JMP	64			
4703	2.0W 2R 5% T&R RES	3			
4817	1/4W 47R 5% T&R RES	3			
2019	1/8W 100R0 1%FLAME PROOF T&R RES	4			
4735	1.0W 100R 5% T&R RES	2			
2022	1.0W 220R 5%FLAME PROOF T&R RES	2			

MODEL TYPE: YS1003

Block Diagram for YCV50

DESIGNED AND MANUFACTURED BY YORKVILLE SOUND



SPLITTER

12AX7
V3

PREAMP

12AX7
V2

12AX7
V1

DISCONNECT POWER WHEN
REPLACING TUBES
DÉBRANCHÉ L'APPAREIL AVANT
DE REMPLACER LES LAMPES

POWER

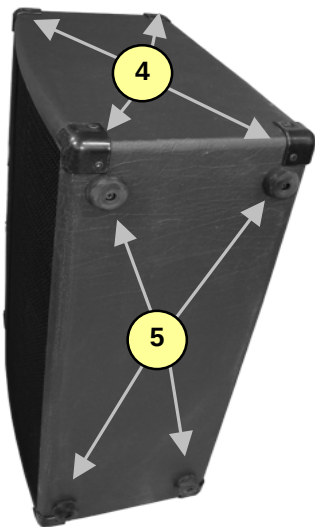
EL34
V5

EL34
V4



YCV50

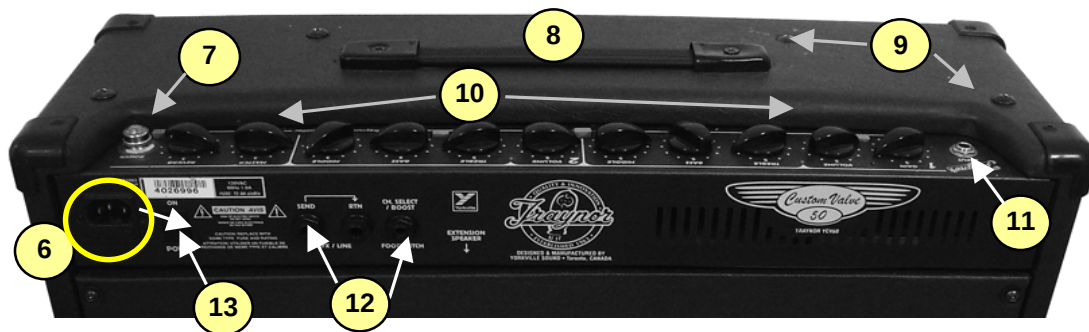
Traynor Guitar Series



#	Part#	Description
Labeled Components		
1	8264	TRAYNOR LOGO
2	7081	12" 8R 60WPGM SPKR CELEST VINT30
3	Z357	YCV40/YCV50 GRILLE* ‡
4	8563	CORNER, 2 LEGS NOTCED BLK PLASTIC
5	8522	RUBBER BUMPER WITH WASHER -SMALL-
6	3438	IEC PWR SOC W/.205TAB &FUSE 10A250V
7	6397	JEWELLED PILOT LAMP AMBER REG
8	8451	10" STRAP HANDLE, BLACK METAL ENDCAP
9	8770	1/4-20 X 1 5/16 TRUSS PH MS JS5
10	8430	CHICKEN-BEAK KNOB
11	3921	1/4" JCK PCB MT VERT STER RT SWT
12	3450 & 3450NUT	1/4" ALL GOLD PC MNT JK SKT
13	3698	SPST ROKR SW QUIK 180° AC PWR
14	TFS-2B	TRAYNOR DUAL FOOTSWCH 10' CORD
15	3428	8' 3/18 SJT AC LINE CORD REMOVABLE
16	8638	PUSH SW BUTTON GREY
17	3731	SPRING RETAINER FOR OUTPUT TUBE
18	3537	ACC# 4EB3C1B LONG REVERB
19	3890	36" PREFAB. CABLE (RED/BLACK)
20	7025A or 7025B	12AX7 DUAL TRIODE PREAMP TUBE
21	EL34	POWER OUTPUT TUBES



- 16 PUSH BUTTON CAPS
- 17 PUSH BUTTON CAPS
- 18/19 REVERB CABLE AND UNIT
- 20/21 TUBES

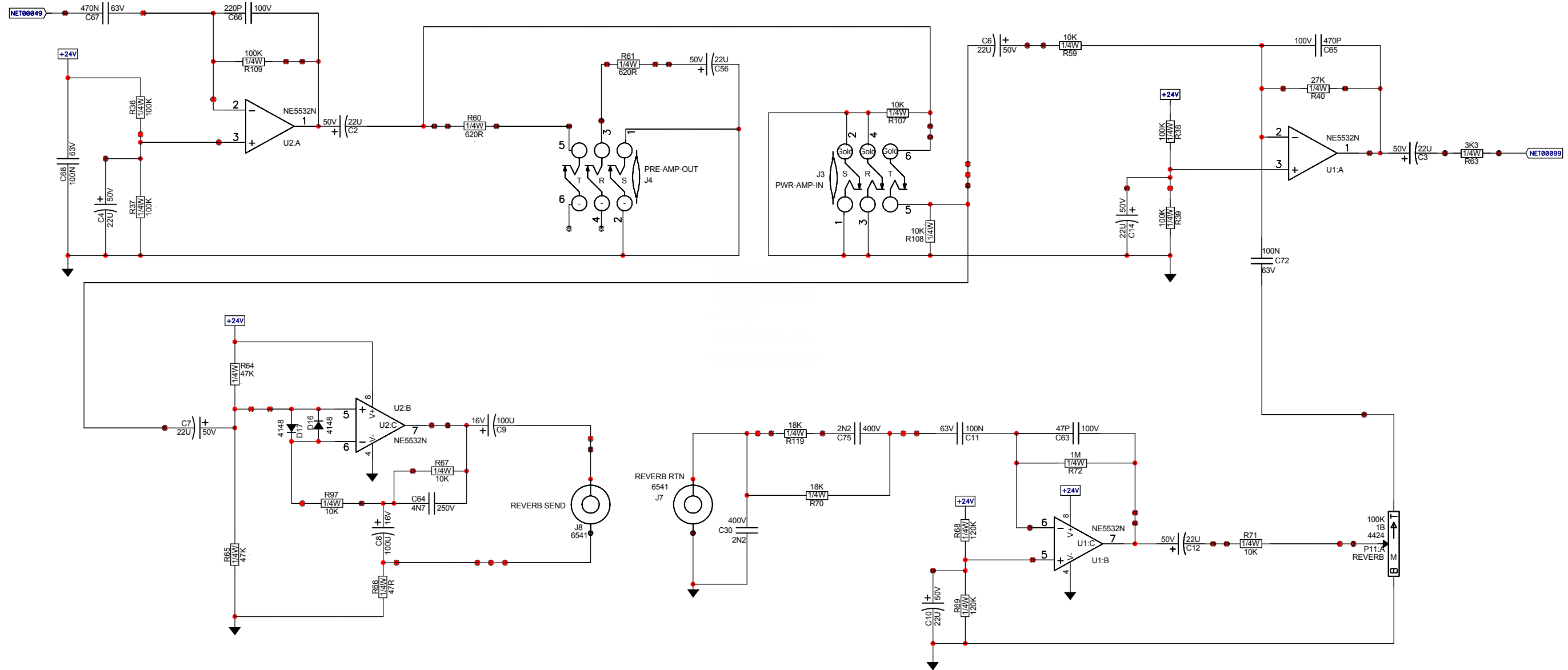


*NOTE: Replacement grilles are 'Special-Order' and are only available while the model is in production.

‡ Grilles & Support replacements are for CURRENT models only.

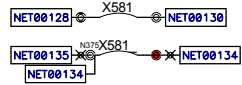
**Real Gear.
Real People.**

	YCV40			YCV50BLUE		
	M581			M613		
RefDes	Value/YSpart#	Value/YSpart#	Value/YSpart#	Value/YSpart#	Value/YSpart#	Value/YSpart#
C1	22U	5631	1U	5254		
C34	6N8	5272	4N7	5209		
C37	6N8	5272	1N5	5273		
R56	100K	4838	47K	4834		
R57	470K	4843	220K	6126		
R58	470K	4843	220K	6126		
R6	113K	4776	249K	6145		
C81	2N2	5208	1N	5206		
C26	220N	5231	330N	5233		
C83	150P	5196	4N7	5209		
C31	1N8	5425	1N	5422		
C27	330N	5233	470N	5234		
C82	2N2	5208	470P	5201		
R13	47K	4834	33K	4840		
R52	WJ	4599	47K	4834		

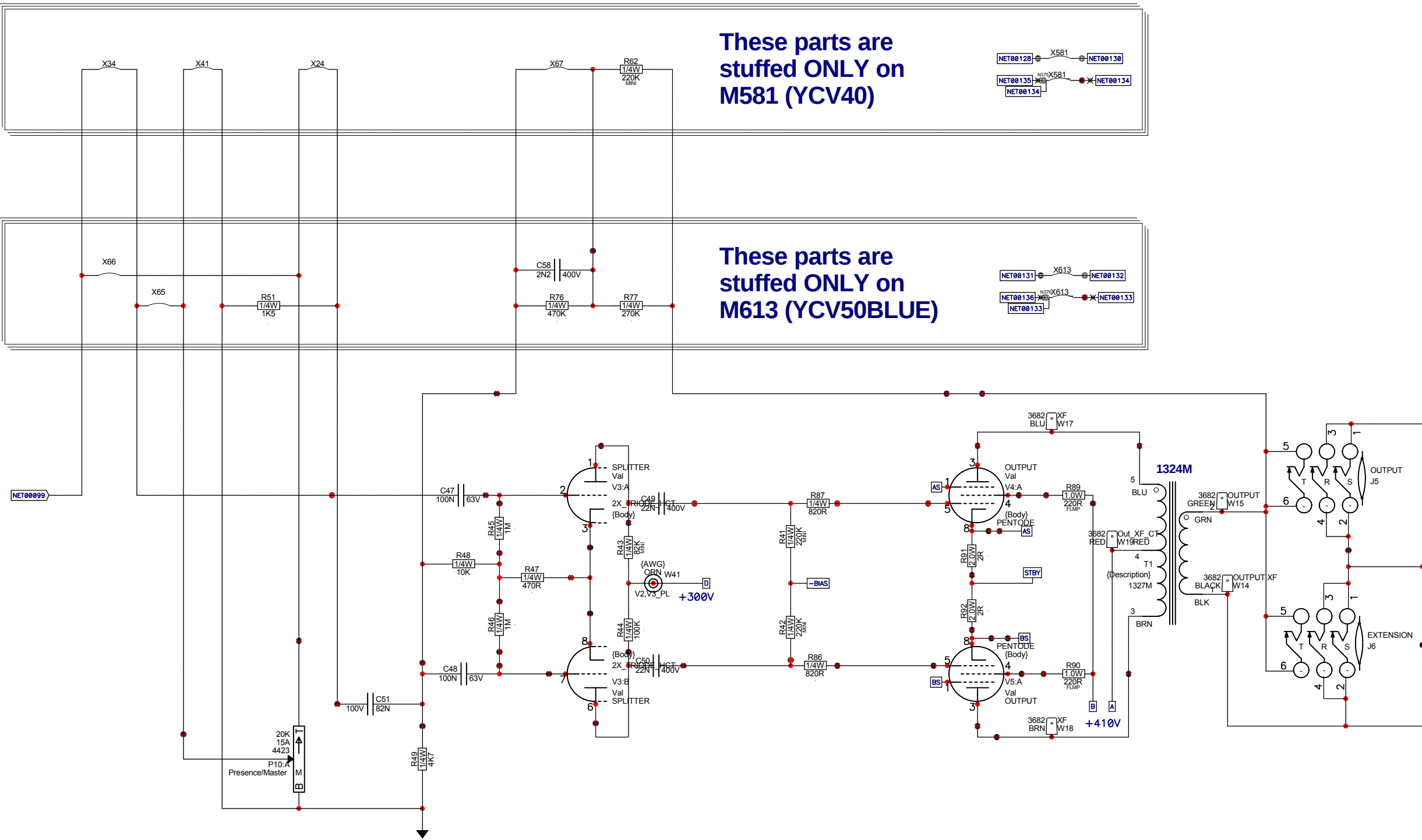
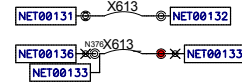


Product YCV40/YCV50BLUE		
Loop/Reverb	PCB# X8004	Sheet 2 of 6
Date: Thu Apr 24, 2008	Rev:v14.00	YsType:
Filename: X8004v1400sch.sch2002		

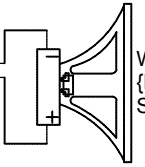
These parts are
stuffed ONLY on
M581 (YCV40)



These parts are
stuffed ONLY on
M613 (YCV50BLUE)



PHONE_PLUG
+ to tip +
TO J5



WOOFER
(Description)
SP2

YCV40:
7080 12" 8R
80WPGM

YCV40WR/YCV50BLUE:
7081 12" 8R (Vintage 30)
60WPGM



Product YCV40/YCV50BLUE		
Power Amp	PCB# X8004	Sheet 3 of 6
Date: Thu Apr 24, 2008	Rev: v14.00	YsType:
Filename: X8004v1400sch.sch2002		



Filename: X8004v1400sch.sch2002

X8004 Version History			
MODEL(S):- YCV40/YCV50BLUE			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	23-APR-2008	14.00	Released for Production
2	D		D
3	D	D	D
4	D	D	D
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

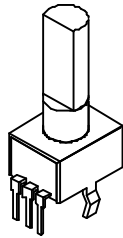
X8004 POT LIST				
MODEL(S):- YCV40/YCV50BLUE				
REF	FUNCTION	PART#	KNOB	AS OF
P1	DRIVE	#4425	#8430	11/00
P2	TREBLE	#4424	#8430	11/00
P3	BASS	#4425	#8430	11/00
P4	MID	#4423	#8430	11/00
P5	MASTER	#4425	#8430	11/00
P6	MID	#4423	#8430	11/00
P7	BASS	#4425	#8430	11/00
P8	TREBLE	#4424	#8430	11/00
P9	CLEAN VOLUME	#4425	#8430	11/00
P10	PRES./MASTER	#4423	#8430	11/00
P11	REVERB	#4424	#8430	11/00
.	.	.	.	.

X8004 DRILL HISTORY			
MODEL(S):- YCV40/YCV50BLUE			
#	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

X8004 PENDING CHANGES		
MODEL(S):- YCV40/YCV50BLUE		
#	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

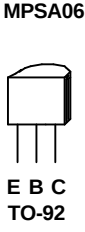
M581 PCB HISTORY			
MODEL(S):- YCV40			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	NOV/02/00	1.00	FIRST PRODUCTION
2	NOV/08/00	.	PC#6305 R63 2K2->3K3 R40 24K->27K
3	DEC/14/00	2.00	PC#6311 ADD D16,D17,R97 AT U2
4	FEB/23/01	2.10	PC#6326 HOLE SIZE FOR C53 .070"->.047"
5	APR/30/01	3.00	PC#6419 ADD Q12,R103 R50 2M2->680K
6	.	.	R100 10R 1W->1R 1/4WFP R101 10R/1W->820R 1/4W
7	MAY/25/01	.	PC#6407 R103 680K->1M
8	JUN/21/01	4.00	PC#6420 ADD R100 220K 2W ACROSS C55
9	NOV/30/01	5.00	PC#6475 R105,R104-Q9 REPLACED BY D15,D18,D19,D20
10	.	.	D21,D22 6X 51V ZENER C60 220N->10u 450V
11	JAN/15/02	6.00	NEW SOLDERMASK FOR TABS & RCA JACKS
12	MAY/03/02	6.10	ADD ROUTING BY OUTPUT TUBES
13	MAY/27/02	6.20	PC#6537 R71 2K2->3K3 P11 20KA->100K
1	JUN/24/02	6.30	PC#6539 R106 100K->47K
2	JUL/04/02	7.00	PC#6545 MOVE X57 AND C60
3	SEP/03/02	7.10	PC#6562 R106 47K->100K D15->J76
4	MAR/17/03	8.00	MOVE AC TABS APART FOR CE COMPLIANCE
5	MAR/27/03	9.00	MOVE BREAKAWAY PCB'S TO AID ASSEMBLY
6	AUG/25/03	10.00	PC#6624 UPDATE 9 PIN TUBE SOCKETS
7	NOV/12/03	10.01	TRACE ARTWORK FIXED MANUALLY
8	DEC/03	11.00	CONVERT TO PCAD 2002
9	OCT-15-2004	.	GT:PC#6744 & 6748: APPLIED YCV50 STANDBY
10	.	.	CHANGES (SEE YCV50 V2.00 SCHEMATIC FOR DETAILS)
11	DEC-02-2004	.	GT:PC#6776 MOVED TOP MULTIPLE TO ADD ZIPPER
12	JUN-15-2005	12.00	AH, PC#6866, ADD CONNECTION PREAMP-STANDBY
13	.	.	#6933, CHANGE R78 TO 27K AND ADD TRIM POT 10K
1	.	.	PC#6965, MOVE ARC TRACE AWAY FROM TUBES
2	.	.	PC#6967, INCREASE CLEARANCES NEAR OUTPUT TUBES
3	DEC-14-2005	12.01	PC#7053:GT:R53 4850 3K9 -> 4864 2K7
4	MAY-18-2006	13.00	PC#7125:GT:J7&J8 #3914 RCA JACK->#6541. PC#7091
5	.	.	ENLARGE HOLES FOR S3-S6 #3522 FOR KINK LEADS
6	.	.	MOVE C3 FOR DEPT -59 FOR COLLISION AVOIDANCE
7	.	.	MOVED W8 TRACE AWAY FROM SCREW HOLE, MOVED
8	.	.	XC50 BREAKAWAY DOWN IN LINE WITH XC54
9	D	V	N
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N



"STYLE_P32"



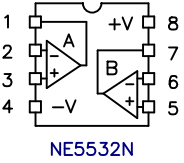
G D S
TO-220



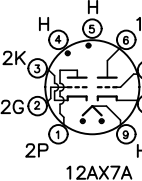
E B C
TO-92



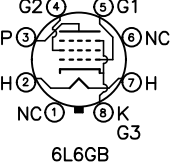
C B E
TO-92



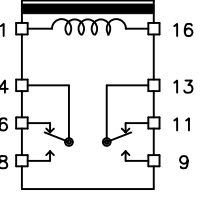
NE5532N



12AX7A



6L6GB



3700_DRW



Product YCV40/YCV50BLUE		
DRW/Tables	PCB# X8004	Sheet 5 of 6
Date: Thu Apr 24, 2008	Rev:v14.00	YsType:
Filename: X8004v1400sch.sch2002		

v14.00

BlankSize - 18600x12800

StepAndRepeat - X1@0.000Y2@6.400

BlankSize-18600x12800



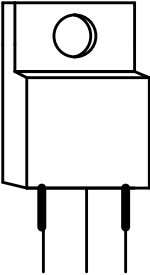
Pcb Mech X8004v14.00

Top Assy X8004v14.00

X8004 Version History			
MODEL(S):- YCV40/YCV50BLUE			
#	DATE	VER#	DESCRIPTION OF CHANGE
1	23-APR-2008	14.00	Released for Production
2	D	D	D
3	D	D	D
4	D	D	D
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

X8004 DRILL HISTORY				
MODEL(S):- YCV40/YCV50BLUE				
#	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	
X8004 PENDING CHANGES				
MODEL(S):- YCV40/YCV50BLUE				
#	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				
X8004 POT LIST				
MODEL(S):- YCV40/YCV50BLUE				
REF	FUNCTION	PART#	KNOB	AS OF
P1	DRIVE	#4425	#8430	11/00
P2	TREBLE	#4424	#8430	11/00
P3	BASS	#4425	#8430	11/00
P4	MID	#4423	#8430	11/00
P5	MASTER	#4425	#8430	11/00
P6	MID	#4423	#8430	11/00
P7	BASS	#4425	#8430	11/00
P8	TREBLE	#4424	#8430	11/00
P9	CLEAN VOLUME	#4425	#8430	11/00
P10	PRES./MASTER	#4423	#8430	11/00
P11	REVERB	#4424	#8430	11/00
.	.	.	.	.

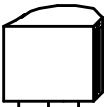
LEAD/PIN REFERENCE



IRF830

G D S

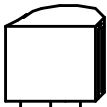
TO-220



MPSA06

E B C

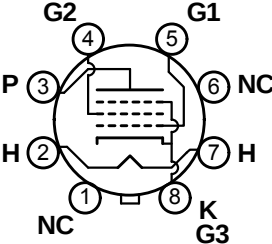
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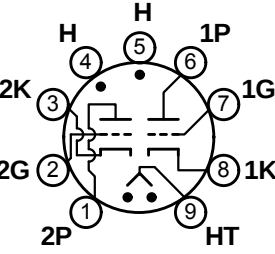
BC550C

C B E

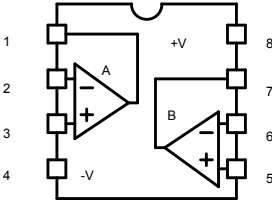
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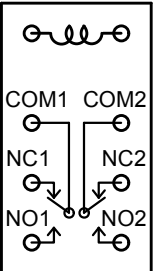
6L6GB



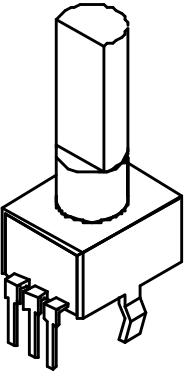
12AX7A



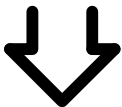
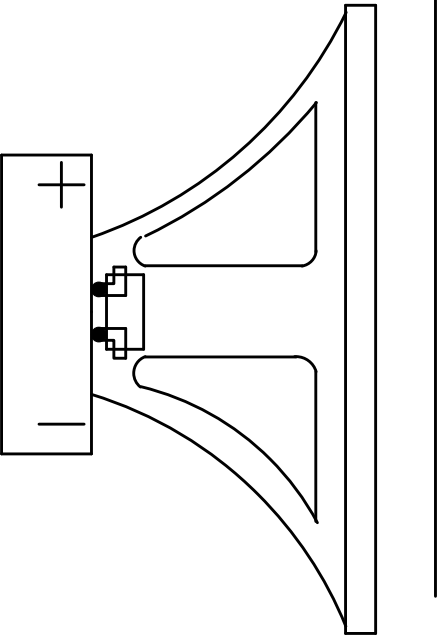
NE5532N



3700_DRW



"STYLE_P32"



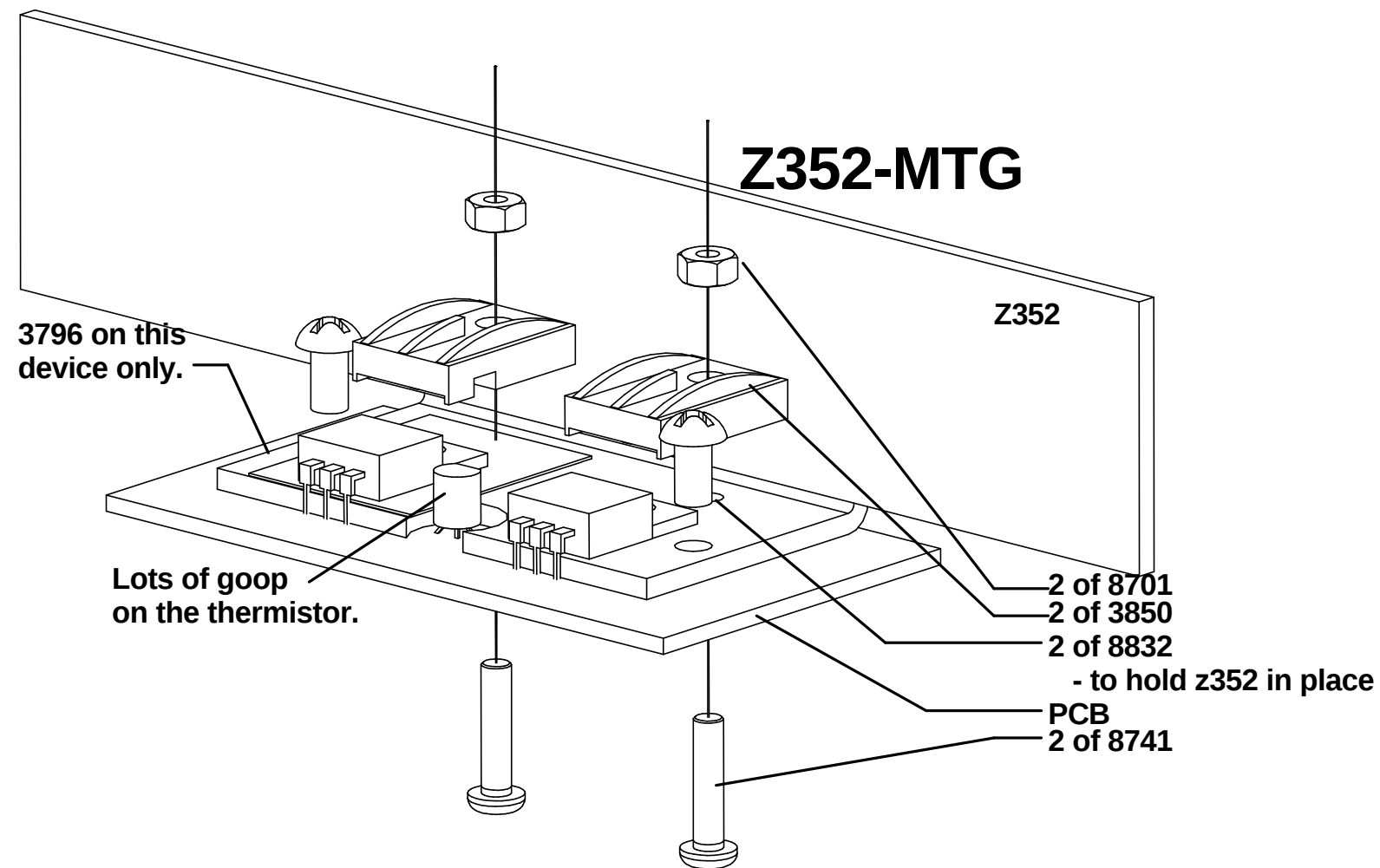
SEE PRODUCTION NOTES



↑↑ SEE LAYOUT DOCUMENTATION ↑↑

PRODUCTION NOTES

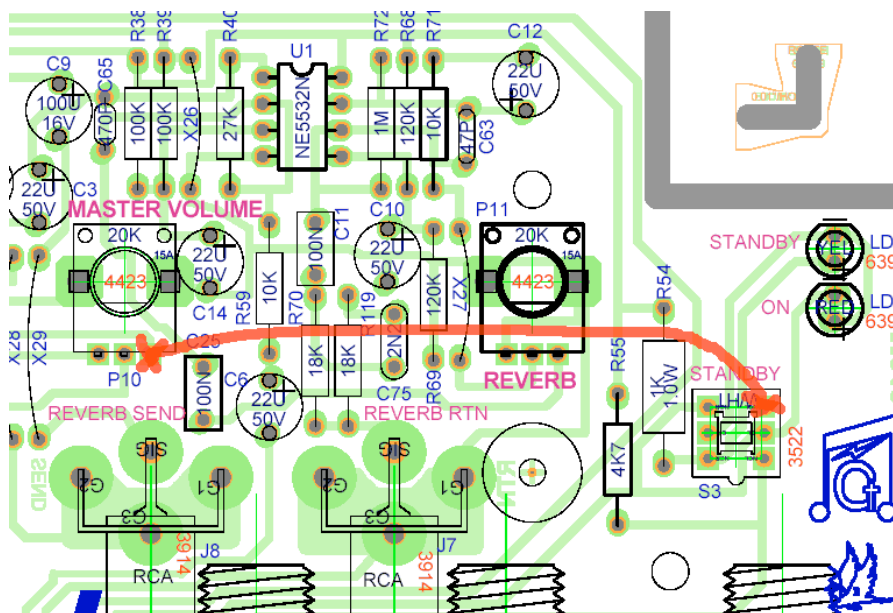
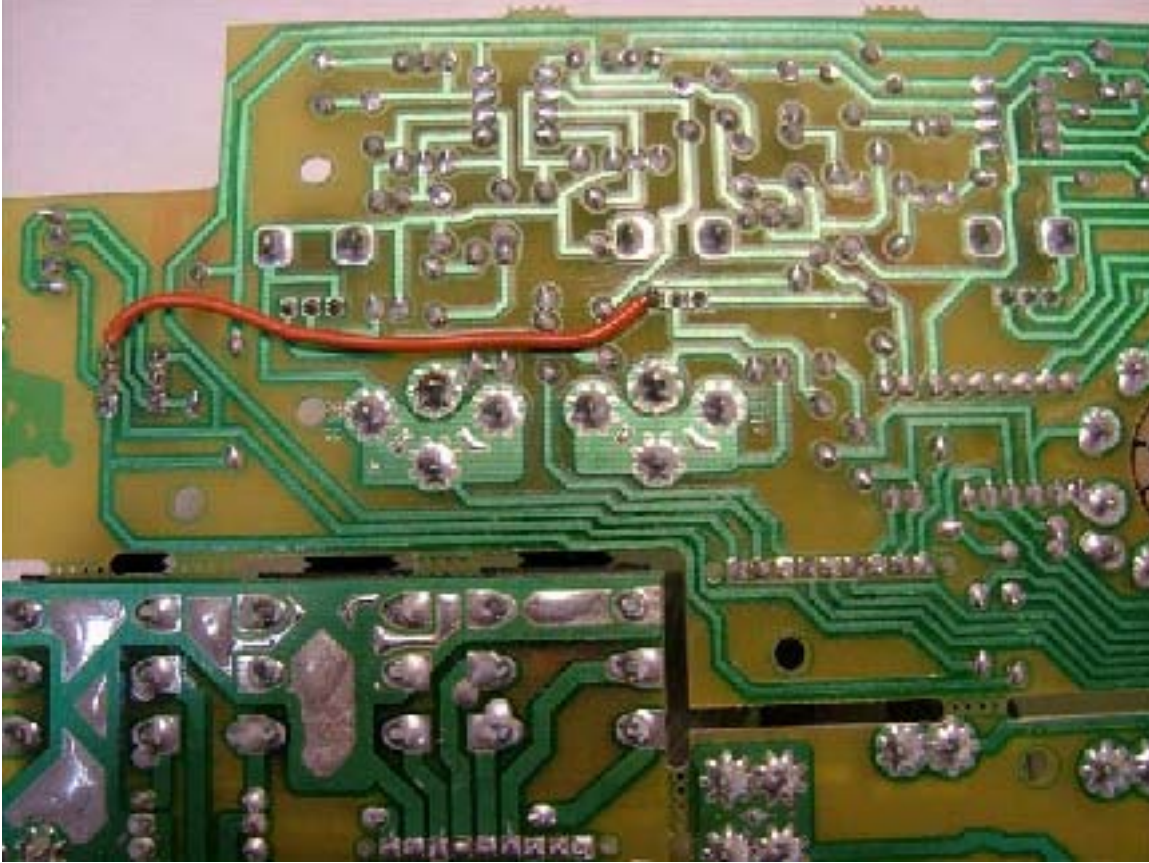
1. RTV MUST BE ADDED TO THE FOLLOWING CAPS C1,C16,C19,C17,C70 BETWEEN C84,C28,C60,C15 BETWEEN C49,C50, ADDED TO C15,C7,C8,C3,C9 C56,C14,C6,C10,C4,C2 AND C12
2. C53 IS 22N FOR BOTH NORTH AMERICA AND CE
3. C3,C7,C6 MUST BE LOW PROFILE PT#5631
4. C8,C9 MUST BE LOW PROFILE PT#5879
5. BIAS 350mV ACROSS R91 AND 350mV ACROSS R92

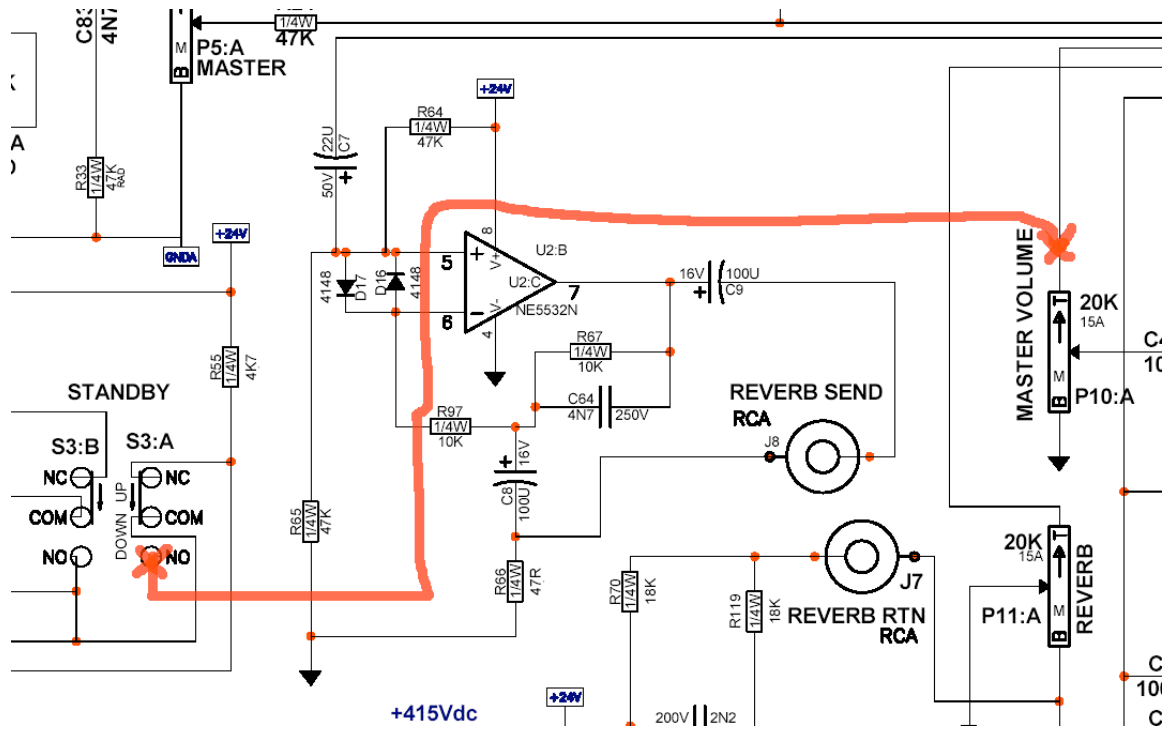


YCV50BLUE m613 Service Update for V2.10 boards

April 2005 boards have been reworked as described in this document.

To address PC#6865 a 22AWG wire, part # 3947 jumper, needs to be soldered from P10 to S3 on the bottom side of the board as shown:





YCV50BLUE m613 Service Update for V2.10 boards (additional)

1. First complete the Service fix PC#6865 as described in the pdf:

Service_YCV50-m613_Update_for_V2.10_PC#6865.pdf

To upgrade the unit from v2.10 to v2.20 PC#6889, complete the following:

2. Replace jumper X61 with a 1K resistor, #4823:

REMOVE X61 JUMPER AND REPLACE WITH #4823 1K RESISTOR

