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Quality and Innovation Since 1963

Printed in Canada

SERVICE MANUAL

MODEL TYPE: YS1037

NX750P



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'ampleur suffisante pour présenter un risque de choque électrique.

CAUTION *AVIS*

RISK OF ELECTRIC SHOCK DO NOT OPEN

RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

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

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.

S2125A

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 or 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'ENTRETIENT

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

Veuillez Lire le Manuel: Il contient des informations qui devraient êtres 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 ou l'appareil devait être retourner 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 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 êtres prises afin d'eviter 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 attachements/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'appeil 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 lappareil 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.

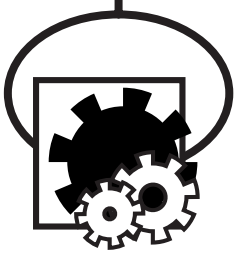
Service

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.

NX750P Parts List 11/9/2012

YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.	YS #	Description	Qty.
5906	RED 3MM LED 1V9 20MA.4SPCER T&R	1	5257	__2U2 63V 20%CAP T&R RAD .2EL	2	2018	1/6W 75R 2%FLAME PROOF T&R RES	3	8829	6-32 X 3/8 FLAT PH TAPTITE BO#C HEA	4
5907	YEL 3MM LED 1V9 20MA.4SPCER T&R	1	5949	__3U3 140AC10%CAP BLK RAD POLYP FLM	3	2019	1/8W 100R0 1%FLAME PROOF T&R RES	3	8796	6-32 X 5/8 PAN PH TAPTITE ZINC	12
5908	GRN 3MM LED 1V9 20MA.4SPCER T&R	1	5951	__3U3 250DC10%CAP BLK MPOLYP FLM	1	4921	1/4W 100R 5% .2"U T&R RES	1	8803	8-32 X 3/8 PAN PHIL TAPTITE JS500	7
6825	1N4148 75V 0A45 DIODE T&R	19	5258	__4U7 63V 20%CAP T&R 8X7MM .2EL	4	4984	1/4W 150R 5%MINI T&R RES	1	8804	8-32X1.25 PAN PH MS ZINC CLEAR	4
6892	UF4004 200V 1A0 DIODE ULTRAFAS	1	5282	_10U 16V 20%CAP T&R 5X7MM .2NP	3	4819	1/4W 180R 5% T&R RES	2	8783	10-32 X 1 PAN QUAD TT JS500 BLACK	4
6438	1N4007 1000V 1A0 DIODE T&R	2	5945	_10U 63V 20%CAP T&R RAD .2EL	3	4944	1/4W 220R 5% .2"U T&R RES	1	8843	10-32 X 1 1/8 FLAT QUAD MS JS500	4
6827	1N5402 200V 3A0 DIODE	8	5260	_22U 50V 20%CAP T&R RAD .2EL	1	4977	1/4W 220R 5%MINI T&R RES	2	8786	10-32 X 1 1/4 PAN QD MS JS500 BLACK	30
6934	MR854 400V 3A0 DIODE FASREC	2	5631	_22U 50V 20%CAP T&R 6X7MM .2EL	3	2024	1/6W 249R 2%FLAME PROOF T&R RES	3	9988	10-32 X 1 1/4 SCREW W WASHER SUBASS	18
6421	MR752 200V 6A0 DIODE	4	5961	_33U 16V 20%CAP T&R RAD .2IN NP	5	4945	1/4W 270R 5% .2"U T&R RES	1	8751	10-32 X 2 PAN QUAD MS JS500	3
6733	BAT85 30V 0A2 DIODE SCHT T&R	6	5265	_68U 25V 20%CAP T&R RAD .2EL	1	6150	1/4W 301R 1%MINI MF T&R RES	1	8926	5/16-18X3 CARRIAGE BOLT ZINC	1
6426	1N5254B 27V0 0W5 ZENER 5% T&R	1	5887	2200U 50V 20%CAP BLK 18X27MM EL	2	4789	1/4W 324R0 0.1% *** T&R RES	1	8935	1/4-20 X 23MM JOINT CON. BOLT □B/O	4
6432	1N5248B 18V0 0W5 ZENER 5% T&R	2	5912	2200U 63V 20%CAP RADIAL ELECT BULK	2	2026	1/4W 332R0 1%FLAME PROOF T&R RES	1	8847	1/4-20 X 1 1/4 FLAT PH MS JS500	4
6436	1N753ARL 6V2 0W5 ZENER 5% T&R	1	5862	3300U 180V 20%CAP RAD 40X50MM 5PIN	2	4690	1/2W 442R 1% T&R RES	1	8879	M5 X 10 DIN 7985 QUAD ZINC SCREW	2
6440	1N750ARL 4V7 0W5 ZENER 5% T&R	3	4432	_10K B LIN 9MM P32	2	4933	1/4W 470R 5% .2"U T&R RES	4	3751	SNAP IN 5/16 SPACER RICHCO	11
6450	1N5242B 12V0 0W5 ZENER 5% T&R	3	4434	_10K B LIN 9MM DETENT P32	2	4980	1/4W 470R 5%MINI T&R RES	1	3859	1/2 PLASTIC HEX SPACER #4	2
6461	1N5240BRL 10V0 0W5 ZENER 5% T&R	1	4435	_50K B LIN 9MM DETENT P32	1	2028	1/6W 475R 1%FLAME PROOF T&R RES	3	7525	15" 8R 600WPGM SPKR CER B&C	1
6463	1N5251BRL 22V0 0W5 ZENER 5% T&R	1	3976	SNAP ON 0.843" INSULATING BUSHING	1	5029	1/4W 499R 1% T&R RES	1	8667	SHOULDER WASHER SWS-229 LENGTH 1/8	4
6465	1N5250B 20V0 0W5 ZENER 5% T&R	1	6492	1300UH COIL COMMON MODE 4AMP	1	5014	1/4W 562R 0.1% *** T&R RES	4	8489	1/4-20 SPLIT WASHER BLACK OXIDE	2
6824	1N5246B 16V0 0W5 ZENER 5% T&R	2	8483	ADAPTOR,SPEAKER STAND,METAL,BLACK	1	4923	1/4W 680R 5% .2"U T&R RES	1	8482	3/8 1D FLAT WASHER	4
6728	MC78L05ACP TO92 P 5V0 REG TR V4	1	8538	RUBBER FOOT 1.375 X 1.375	3	2030	1/6W 681R 1%FLAME PROOF T&R RES	3	8995	3/8" STEEL FLAT WASHER,BLACK	5
6871	MC7915CT TO220 N 15V0 REG V2	1	ZC453	M1158/59/1231/1309 HEATSPREADER	1	4743	1/4W 681R 0.1% *** T&R RES	2	8492	7/16" SPLIT LOCK WASHER CLEAR ZINC	5
6872	MC7815CT TO220 P 15V0 REG V1	1	3485	CLIP 250X032 18-22AWG RIGHT ANGL	4	2031	1/6W 820R 5%FLAME PROOF T&R RES	1	8921	#3MM ID3.2MM OD7.0MM THICK 5MM	4
5101	BC550C TO92 NPN TRAN T&R TB	1	3489	CLIP 250X032 18-22AWG DISCO/INSL	5	4934	1/4W 1K 5% .2"U T&R RES	2	3522	DPDT MINI PC VERT SNP ALT	2
5102	BC560C TO92 PNP TRAN T&R TB	2	3490	CLIP 250X032 14-16AWG DISCO/INSL	7	6110	1/4W 1K0 1%MINI MF T&R RES	16	3585	DPDT ROKR SW QUIK 250" AC/PWR IEC65	1
5103	MPSA06 TO92 NPN TRAN T&R TA	1	3788	QUICKON MALETAB	1	4996	1/4W 1K070 0.1% *** T&R RES	1	3392	250 MALE TAB .2IN T&R	6
5107	2N5551 TO92 NPN TRAN T&R TA	2	3921	1/4" JCK PCB MT VERT STER RT SWT	4	4585	1/4W 1K2 5%MINI T&R RES	3	3887	ADHESIVE LINED GROMMET EDGING	0.35
5108	2N5401 TO92 PNP TRAN T&R TA	4	4010	XLR FEML PCB MT VERT 24MM AA-SERIES	2	4769	1/4W 1K4 1% T&R RES	5	CH1337U	XFMR:LS701/720/750	1
5114	MPSA92 TO92 PNP TRAN T&R TA	2	4100	XLR MALE PCB MT VERT	1	2034	1/8W 1K5 5%FLAME PROOF T&R RES	2			
5105	MPSA13 TO92 NPN DARL T&R TA	1	3069	PATCH 08 18AWG 20.0 156 TWISTED	1	4935	1/4W 1K5 5% .2"U T&R RES	4			
5119	J111 TO92 NCH JFET T&R TC	2	2358	9 CIR XH-HEADER 0.098IN	2	4683	1.0W 1K8 5% T&R RES	1			
6873	MJE340 TO126 NPN TRAN TG	1	3061	PATCH 09 22AWG 10.0 XH FLAT	1	6105	1/4W 1K8 5%MINI T&R RES	3			
6911	BDX54C TO220 PNP TRAN DARL TE	1	3076	PATCH 04 18AWG NX750P TWISTPAIR	1	4946	1/4W 2K 5% .2"U T&R RES	2			
6912	BDX53C TO220 NPN TRAN DARL TE	1	4095	EMI FILTER FOR RIBBON CABLE	2	6113	1/4W 2K 5%MINI T&R RES	3			
6931	IRFP140N TO247 NCH MFET TM	1	3482	LOWPROFILE FUSEHOLDER 1/4" BUSSMANN	1	4705	2.0W 2K2 5% T&R RES	2			
6932	IRFP9140N TO247 PCH MFET TM	1	2465	_7.0 AMP FAST-BLO .25X1.25 FUSE	1	6104	1/4W 2K2 5%MINI T&R RES	6			
6967	IRFP23N50LPBF MOSFET N-CN 500V -247	2	2487	_7.0 AMP SLO-BLO T&R FUSE	2	2035	1/4W 2K21 1%FLAME PROOF T&R RES	2			
6804	MC33079P IC QUAD OP AMP	1	7393	_8R 30W 1.00" DRIVER BMS	1	6114	1/4W 2K49 1%MINI MF T&R RES	2			
6840	MC33078P IC DUAL OP AMP	1	3501	B52200F006 COMP WASH #4 SMALL	9	4764	1/4W 2K74 0.1% *** T&R RES	1			
6884	NE5532N IC DUAL OP AMP	16	8933	1/4-20 INSIDE 7/16-20 UNF FLATALLEN	5	6124	1/4W 3K 5%MINI T&R RES	2			
6640	LM311 IC VOLTAGE COMPARATOR	3	8938	1/4-20 X 10MM INSERT NUT, TYPE D	8	4938	1/4W 3K3 5% .2"U T&R RES	1			
6887	IR2110 IC HILO FET DRIVER	1	3552	NYLON SPRING CLAMP	1	5022	1/4W 3K57 1% T&R RES	1			
6603	74HC14N IC HEX INV SCHMID	2	3645	AC SOCKET RECEPTACLE WITH 0.250 TAB	1	4850	1/4W 3K9 5% T&R RES	1			
6605	74HC86N IC QUAD 2INP XOR	1	3803	NYLON SECUR-A-TACH MINI PLASTIC TIE	1	4756	1/4W 4K12 0.1% *** T&R RES	2			
6964	74HC74N IC DUAL FLIPFLOP	1	3810	4" NYLON CABLE TIE	12	4943	1/4W 4K7 5% .2"U T&R RES	7			
5190	MBS4992 TO92 8V5 DIAC T&R	1	3841	5.5" NYLON CABLE TIE	2	4982	1/4W 4K7 5%MINI T&R RES	2			
6517	BTB24-600 TO220AB 25A TRIAC 600V	1	3852	STICK ON CABLE WRAP ANCHOR	1	6128	1/4W 4K99 1%MINI MF T&R RES	1			
6858	NSL-32SR2 OPTO-COUPLER LDR	2	9000	ADAPTOR FLANGE FOR HORN	1	5001	1/4W 6K04 1% T&R RES	1			
5401	_10P 500V 5%CAP T&R RAD CER.2NPO	1	HRN0031	HORN 262.3 X 262.3 X 119.7 MM	1	4978	1/4W 6K8 5%MINI T&R RES	5			
5817	_15P 100V 2%CAP T&R RAD CER.2NPO	1	3538	24 PIN BREAKAWAY LOCK .156	0.833	4940	1/4W 10K 5% .2"U T&R RES	10			
5406	_33P 50V 10%CAP BLK BEAD NPO	2	4146	3 PIN POWER PIN HEADER MALE POLZED	1	6116	1/4W 10K0 1%MINI MF T&R RES	10			
5203	_47P 100V 2%CAP T&R RAD CER.2NPO	1	4151	4 PIN POWER PIN HEADER MALE POLZED	1	4768	5.0W 12K 5% BLK RES	5			
5199	100P 100V 2%CAP T&R RAD CER.2NPO	1	4147	6 PIN POWER PIN HEADER MALE POLZED	2	4979	1/4W 15K 5%MINI T&R RES	3			
5410	100P 100V 10%CAP T&R BEAD NPO	1	8632	KNOB ROUND PUSHBUTTON 1/4" GREY	2	4954	1/4W 18K 5% .2"U T&R RES	3			
5412	220P 100V 10%CAP T&R BEAD NPO	2	9915	KNOB 0-DEG RED SOFT GRAY RIB	2	6125	1/4W 18K 5%MINI T&R RES	1			
5201	470P 100V 5%CAP T&R RAD CER.2NPO	6	9916	KNOB 0-DEG GRY SOFT GRAY RIB	1	4611	0.6W 18K7 1% MF T&R RES	2			
5816	680P 100V 5%CAP T&R RAD CER.2NPO	4	9917	KNOB 0-DEG GRN SOFT GRAY RIB	2	6123	1/4W 20K0 1%MINI MF T&R RES	2			
5422	__1N 50V 10%CAP T&R BEAD NPO	2	3426	8' 3/16 SJT AC LINE CORD REMOVB-CSA	1	6118	1/4W 22K 5%MINI T&R RES	3			
5208	__2N2 400V 5%CAP T&R RAD .2FLM	2	2364	HEYCO LOCKIT STRAIN RELIEF 1852	1	4956	1/4W 27K 5% .2"U T&R RES	3			
5275	__3N3 100V 5%CAP T&R RAD .2FLM	3	8240D	LOGO YORKVILLE SMALL BLUE DOMED	1	4941	1/4W 30K 5% .2"U T&R RES	1			
5209	__4N7 250V 5%CAP T&R RAD .2FLM	1	3792CORE	77091-A7 KOOL-MU TOROID CORE	1	4947	1/4W 33K 5% .2"U T&R RES	3			
6451	__4N7 250V 20%CAP BLK 'Y' 10MM AC	1	3792	_288UH CHOKE 89T20AWG/77091MAGNTKS	1	4686	1/4W 37K4 1% METAL FILM T&R RES	3			
5271	__5N6 100V 5%CAP T&R RAD .2F	1	8701	4-40 KEPS NUT ZINC	9	4927	1/4W 47K 5% .2"U T&R RES	4			
5204	_10N 100V 10%CAP T&R RAD .2FLM	2	9931	6-32 NYLON INSERT LOCK NUT	1	6119	1/4W 47K 5%MINI T&R RES	4			
5207	_18N 100V 5%CAP T&R RAD .2FLM	1	8787	8-32 KEPS NUT ZINC	3	4835	1/4W 56K 5% T&R RES	1			
5210	_22N 100V 10%CAP T&R RAD .2FLM	1	8939	10-32 X 10MM INSERT NUT, TYPE D	49	4848	1/4W 62K 5% T&R RES	1			
5215	_27N 100V 5%CAP T&R RAD .2FLM	3	8797	5/16-18 KEPS NUT JS500	1	4929	1/4W 82K 5% .2"U T&R RES	1			
5222	_33N 100V 10%CAP T&R RAD .2FLM	1	8934	7/16-20 UNF HEX NUT GRD 5 CLEAR ZNC	5	4942	1/4W 100K 5% .2"U T&R RES	1			
5224	_47N 100V 10%CAP T&R RAD .2FLM	2	3884	SARCON THERMAL GASKET 4.55"X1.00"	1	4638	1/2W 150K 5% T&R RES	1			
5226	_68N 100V 5%CAP T&R RAD .2FLM	6	NX15PCABINET	15"NX SET W/POWER BACK BLACK PLASTC	1	4796	1/4W 180K 5%MINI T&R RES	1			
5212	100N 63V 5%CAP T&R RAD .2FLM	44	4599	22AWG SOLID SC WIR T&R JMP	7	4949	1/4W 180K 5% .2"U T&R RES	2			
5228	100N 100V 5%CAP T&R RAD .2FLM	1	5299	24AWG SOLID SC WIR RAD JMP	1	6135	1/4W 270K 5%MINI T&R RES	1			
5242	100N 250V 20%CAP BLK 'X2' 15MM AC	1	4660	5.0W 0R047 5% BLK RES	2	6127	1/4W 470K 5%MINI T&R RES	1			
5314	100N 50V 10%CAP T&R BEAD X7R	2	2005	1.0W 0R47 5%FLAME PROOF T&R RES	4	4948	1/4W 1M 5% .2"U T&R RES	7			
5229	150N 63V 10%CAP T&R RAD .2FLM	1	4682	1/2W 1R 5%PHILIPS SMAL T&R RES	1	3696	RELAY 1C 02AMP DC24 006MA PC-S	1			
5231	220N 63V 5%CAP T&R RAD .2FLM	1	4911	1/4W 2R2 5% T&R RES	1	8842	#4 X 5/16 PAN QUAD TYPE A JS500 BLK	6			
5233	330N 63V 5%CAP T&R RAD .2FLM	3	4813	1/4W 6R2 5% T&R RES	2	8799	#6 X 1/4 PAN PH TYPE B JS500	1			
5234	470N 63V 10%CAP T&R RAD .2FLM	3	2010	1/6W 10R0 2%FLAME PROOF T&R RES	4	8865	4-40 X 5/16 PAN PH MS JS500	4			
5266	680N 250V 20%CAP BLK 'X2' 30MM AC	1	4930	1/4W 10R 5% .2"U T&R RES	1	8871	4-40 X 5/8 PAN PH MS JS500	9			
5254	__1U 63V 20%CAP T&R 4X7MM .2EL	1	2038	1/4W 11R FUSIBLE T&R RES	2	8832	6-32 X 1/4 PAN PH TAPTITE JS500	2			
5255	__1U 63V 20%CAP T&R RAD .2EL	2	6134	1/4W 47R 5%MINI T&R RES	1	8801	6-32 X 3/8 PAN PH TAPTITE JS500	19			

SERVICE BULLETIN



IMPORTANT SERVICE NOTICE!
NX55P and NX750P

M1309V06 and newer version circuit boards are NOT backwards compatible with ANY previous versions of M1309 boards!

> *Note: Due to ongoing changes in the layout of the power supply and the power amplifier, the circuit board M1309V06 (Version 06) and newer versions are not compatible with board M1309V05 (version 05) or previous versions, the pin-outs on the connectors have been re-arranged.*

If you need to change one of the older versions of the circuit boards with the new one you MUST change BOTH amplifier and power supply boards!

DO NOT mix different version circuit boards!

AVIS IMPORTANT DE SERVICE !
NX55P et NX750P

Les nouvelles versions du circuit imprimé M1309 en commençant par la version M1309V06 ne sont pas rétro-compatible avec les versions précédentes du circuit !

> *Remarque : En raison des changements continus dans l'agencement de la section de l'alimentation et de l'amplificateur de puissance, le circuit imprimé M1309V06 (version 06) et les versions plus récentes sont pas compatible avec le circuit imprimé M1309V05 (version 05) ou les versions antérieures, les brochages des connecteurs ont été réarrangés.*

Si vous devez remplacer une ancienne version de circuit imprimé par une nouvelle version, vous DEVEZ changer les DEUX circuits, soit celui de l'amplificateur et celui de l'alimentation

Direct Link: NX55P Service Manual M1309V06 and newer
Direct Link: NX55P Service Manual M1309V05 and older
Direct Link: NX750P Service Manual M1309V06 and newer
Direct Link: NX750P Service Manual M1309V05 and older

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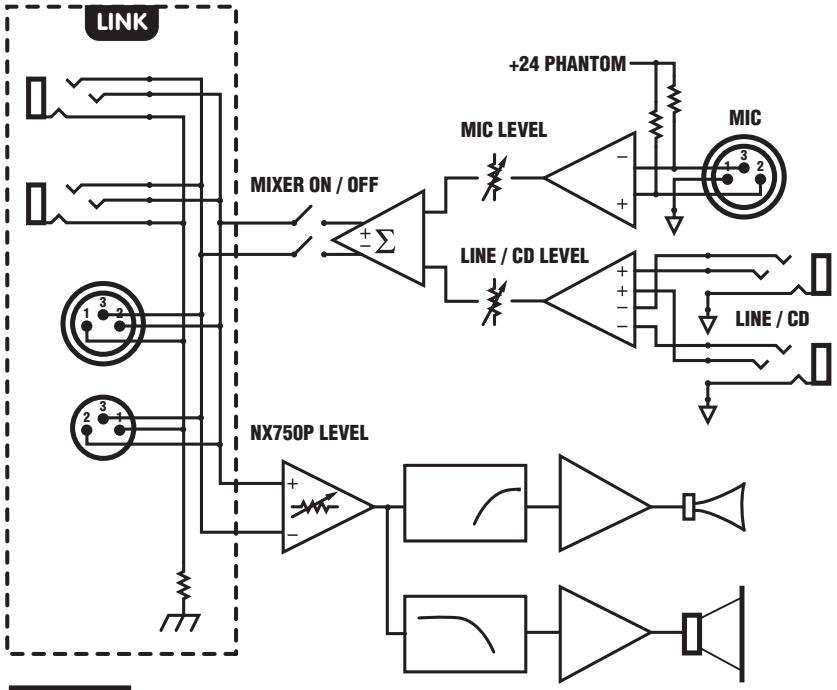
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Yorkville Sound
550 Granite Court
Pickering, Ontario
L1W-3Y8 CANADA

Yorkville Sound Inc.
4625 Witmer Industrial Estate
Niagara Falls, New York
14305 USA

nx750P

750 WATT POWERED LOUDSPEAKER ENCLOSURE



Yorkville

NOTES:
- ALL LINK CONNECTIONS FUNCTION AS INPUTS OR OUTPUTS.
- EXTERNAL MIXERS CONNECT TO LINK INPUTS

BLOCK-NX750p-1v0.pdf

MAIN INPUT

FROM MIXER

TRIM /GAIN

MASTER CLIP

TO M1339 LIMITER BOARD (RoHS)

non-RoHS

2K5 NOTCH

3K9 NOTCH

8K NOTCH

TO POWER AMP PCB

HORN SIGNAL

HORN GND

WOOF GND

WOOF SIGNAL

LIMITER

HORN LIMITER CONTROL

LIMITER SENSE

POWER LED

300HZ NOTCH

WOOFER LIMITER CONTROL

SUBWOOFER OUT/UP

SUBWOOFER IN/DOWN

6964_PC

6804_PC

6887_PC

6603_PC

6605_PC

MIXER SECTION

MIC INPUT

MIC GAIN

CD INPUT

LINE INPUT

LINE GAIN

BASS

TREBLE

SILENT MIXER ON/OFF

TO MAIN INPUT

BD139 BD140 BD237 BD238 MJE270 MJE271 MJE340 MJE350

E C B TO-126

2N5401 2N5551 MPSA06 MPSA13 MPSA43 MPSA56 MPSA63

E B C TO-92

6840_PC

6640_PC

6858_PC

6884_PC

79XX

G I O TO-220

78XX

I G O TO-220

BDX53C MJF6668

B C E TO-220

BC550C BC560C

C B E TO-92

"STYLE_P25"

Yorkville	Product NX750P		
	NX750P	PCB# M1231	Sheet 1 of 3
	Date: Tue Sep 04, 2012		Rev:V07
	Filename: M1231V07sch.sch2006		

HORN AMP

PHANTOM SUPPLY

SILENT ON/OFF

Bias accross TP1 & TP2
= 0.1mV - 5mV

FROM INPUT PCB

WOOFER AMP

+/-15V_C

+/-15V_MOD

FROM POWER SUPPLY

SILENT ON/OFF

+5V_MOD

Yorkville	Product **NX750P**		
	NX750P	PCB# M1231	Sheet 2 of 3
	Date: Tue Sep 04, 2012		Rev:V07
	Filename: M1231V07sch.sch2006		

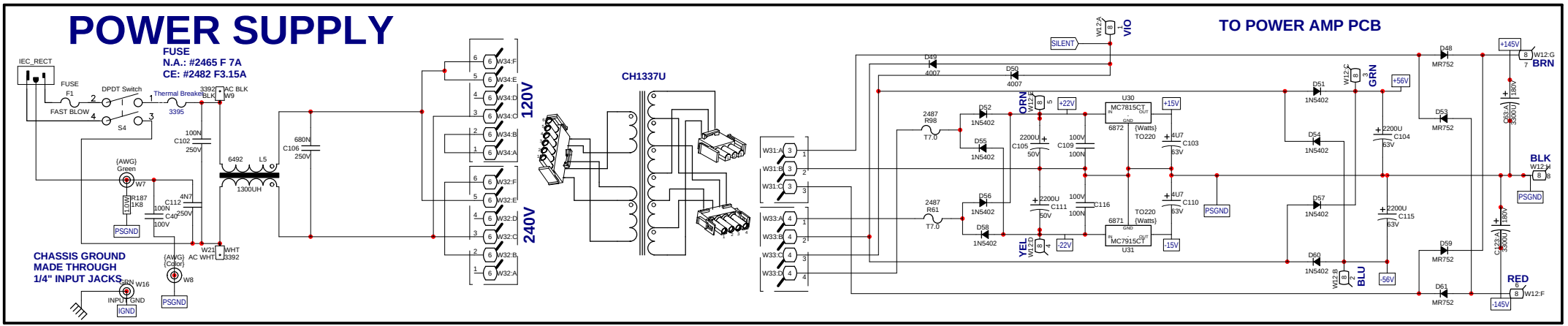
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MODEL(S):-	NX750P		
#	DATE	VER#	DESCRIPTION OF CHANGE
1	AUGUST 2004	V1.00	MADE FROM M1158-V.200
2	NOV-26-2004	.	PC#6772: REV. WIRE COLORS ON WOOFER & HORN (GT)
3	MAY30th 2005	V2.00	CHANGED POWER SUPPLY CAPACITORS TO NEW
4	.	.	FIVE LEG #5862 3300U & FORCE UPDATED BOARD (M.R)
5	.	.	C102 FROM 22N #6435 TO 100N #5242
6	SEP-21-2005	.	PC#6979:GT:R6&R23 #4815 12R->#2038 11R FUSIBLE
7	OCT-31-2005	.	PC7003:GT:R9 #4979 15K->#6104 2K2, ADD 8921 WASHER
8	DEC-13-2005	.	PC#7052:GT:Q14&Q15 6914 IRFP350->6967 IRFP23N50LPBF
9	AUG-16-2006	V2.01	AH, PC#7136, REPLACE R77, R81 AND R82 WITH #4686
10	.	.	37K4 1% 1/4W. REPLACE R78 WITH #4611
11	OCT 16 2006	V3.00	PC#7178, Updated limiter for RoHS compliance
12	.	.	PC#7167, ENLARGE HOLE SIZE FOR #3522
13	FEB 07 2007	V3.01	AH, PC#7205, C37 100N #5212 TO 470P #5201

M1231.PCB_DATABASE_HISTORY			
MODEL(S):-	NX750P		
#	DATE	VER#	DESCRIPTION OF CHANGE
1	.	.	R177 4K7 #4982 TO 15K #4979
2	.	.	ONLY M1231A CE VER. R157 10K #4940 TO 3K3 #4938
3	.	.	D34 AND D43 1N4148 #6825 TO BAT 85 #6733
4	22-AUG-2007	V3.02	PC#7261, N.A. VERSION CHANGE R152 150K #4839 TO
5	.	.	56K #4835, R89 1K #4981 TO 56K #5018, C23 22U #5631TO
6	.	.	10U #5281 C19 1U #5254 TO 4U7 #5258
7	01-FEB-2008	V3.03	PC#7453, ONLY FOR NA. REMOVE C19 AND R89 FROM AI.
8	.	.	BA WILL PUT 33K,470R,100N AND 10U AS SHOWN
9	.	.	PC#7398, ADD CROWBAR CIRCUIT AND CHANGE FUSE
10	.	.	AT THE SAME TIME SEE PRODUCTION NOTE
11	11-MAY-2009	V4.00	PC#7356, 7701, AND 7757 - PAD UPDATE, XLR MTG HOLE
12	D	V	ADDED. X1 REF REMOVED IN LAYOUT
13	02-NOV-2010	V5.00	ADDED MOLEX CONNECTORS FOR TRANSFORMER.

1		V05	ELIMINATED THE NEED TO TACK ON PARTS.
2	02-FEB-2011	V05	PC8185: CHANGE #3453 TO #4100 GG
3	03-NOV-2011	V06	PC8244 - CHANGED PADS ON 3696 RELAY - ML
4	.	.	PC8326 - MOVED Q16, C97 & C98.
5	.	.	ADDED TRACE BETWEEN ADJACENT
6	.	.	PADS OF C95 & C96. - ML
7	.	.	PC8325 - UPDATED HOLE SIZES FOR CONN 4151 - ML
8	14-NOV-2011	.	FIXED PSU NET NAMES AS PER PAUL B. - ML
9	31-AUG-2012	V07	PC8448: #3392, #4100 new pattern, move DS to BOT GG
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

POT LIST				
MODEL(S):-	NX750P			
REF	FUNCTION	PART#	KNOB	{NEW}
P1	MAIN GAIN	#4434	GREY	#9916
P2	MIC GAIN	#4432	RED	#9915
P3	BASS CONTROL	#4435	GREEN	#9917
P4	CD/LINE GAIN	#4432	RED	#9915
P5	TREBLE CONTROL	#4434	GREEN	#9917
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
R	F	P	K	N
R	F	P	K	N

POWER SUPPLY



	WITHOUT CROWBAR		WITH CROWBAR	
	N.A.	CE	N.A.	CE
FUSE F1	#2465 F 7A	#2482 F3.15A	#2465 F 7A	#2479 F 5A

Yorkville

Product NX750P		
NX750P	PCB# M1231	Sheet 3 of 3
Date: Tue Sep 04, 2012	Rev:V07	
Filename: M1231V07sch.sch2006		

M1231-NX750P

BlankSize - 11000x10000

1/3

M1231 V07 1/3
NX750P

AC BLK
AC WHT
AC GND
GRN
INPUT GND
PSGND
120V
240V
L5
C63
C115
C104
C111
C105
M1231 V07 2/3
NX750P

3/3

M1231 3/3
NX750P
V07

BEC
LOC
288UH
RED
POS-WOOFER
BLK
NEG-WOOFER
HORN-NEG
YEL
M1231A
M1231B
BLACK
YELLOW
RED
BLACK

SOCKET
SOCKET UPSIDE DOWN
NORMAL
NORMAL LARGE
SOCKET WITH DIRECTION
TAB

SEE NOTE 5
M1231 V07
BlankSize - 11000x10000 Pcb Mech
M1231 V07

SEE LAYOUT DOCUMENTATION

SEE LAYOUT DIAGRAM

M1231 V07 PRODUCTION NOTES

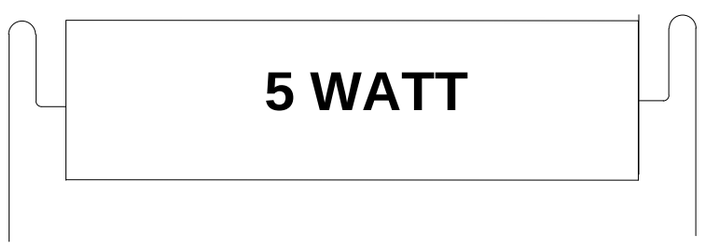
1. NOTE THAT THERE ARE SEVERAL LINES ON THE DSBOTMASK LAYER. THESE MAY BE USED FOR MARCONI TEST POINTS SO HAVE THIS LAYER ON IF DOING ANY MODIFICATIONS.

2.MAKE SURE TO RTV ALL LARGE CAPACITORS TO SOMETHING CLOSE

****************IMPORTANT********************

3. ADD AMPLE RTV UNDER ENTIRE BASE OF OUTPUT COIL L1

4. LEADS FOR 5 WATT RESISTORS MUST BE BENT ON THE MACHINE LEAD LOOP MUST NOT BE ABOVE TOP OF RESISTOR



5. FIT #8921 FLAT WASHER BETWEEN #3501 BELL WASHER AND #8667 SHOULDER WASHER FOR Q2, Q10 U30 AND U31

6. PCBSA: DO NOT BREAK OUT BOARD BEFORE TESTING.

SEE LAYOUT DIAGRAM

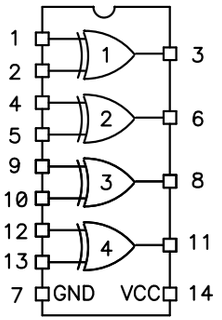
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11	OCT 16 2006	V3.00	PC#7178, Updated limiter for RoHS compliance
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13	FEB 07 2007	V3.01	AH, PC#7205, C37 100N #5212 TO 470P #5201

M1231.PCB_DATABASE_HISTORY			
MODEL(S):-	NX750P		
#	DATE	VER#	DESCRIPTION OF CHANGE
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2	.	.	ONLY M1231A CE VER. R157 10K #4940 TO 3K3 #4938
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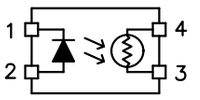
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6	.	.	PADS OF C95 & C96. - ML
7	.	.	PC8325 - UPDATED HOLE SIZES FOR CONN 4151 - ML
8	14-NOV-2011	.	FIXED PSU NET NAMES AS PER PAUL B. - ML
9	31-AUG-2012	V07	PC8448: #3392, #4100 new pattern, move DS to BOT GG
10	D	V	N
11	D	V	N
12	D	V	N
13	D	V	N

POT LIST				
MODEL(S):-	NX750P			
REF	FUNCTION	PART#	KNOB	{NEW}
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P2	MIC GAIN	#4432	RED	#9915
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R	F	P	K	N
R	F	P	K	N
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R	F	P	K	N

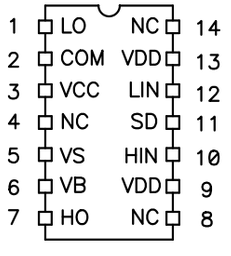
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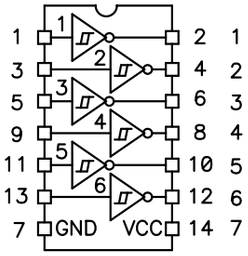
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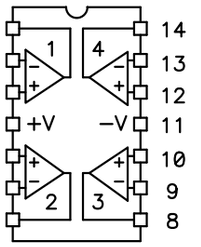
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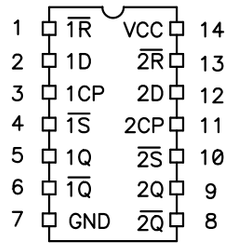
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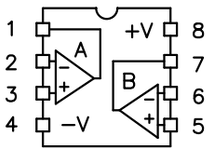
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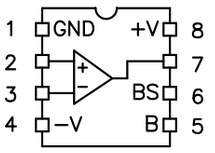
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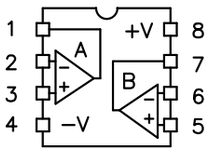
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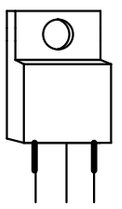


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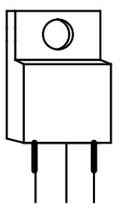
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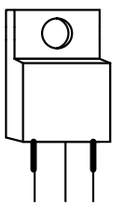
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79XX



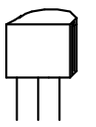
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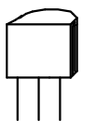
B C E
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BC550C
BC560C



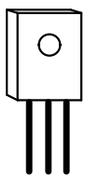
C B E
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2N5401
2N5551
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MPSA13
MPSA43
MPSA56
MPSA63

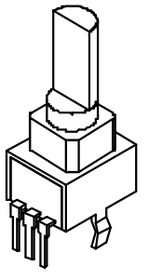


E B C
TO-92

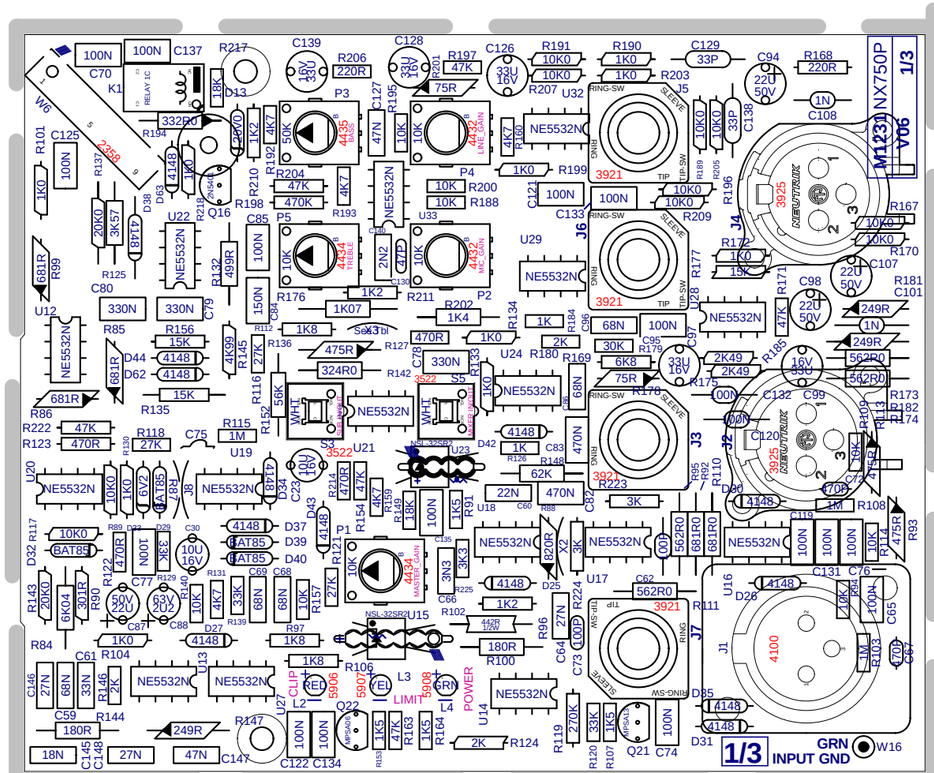
BD139
BD140
BD237
BD238
MJE270
MJE271
MJE340
MJE350

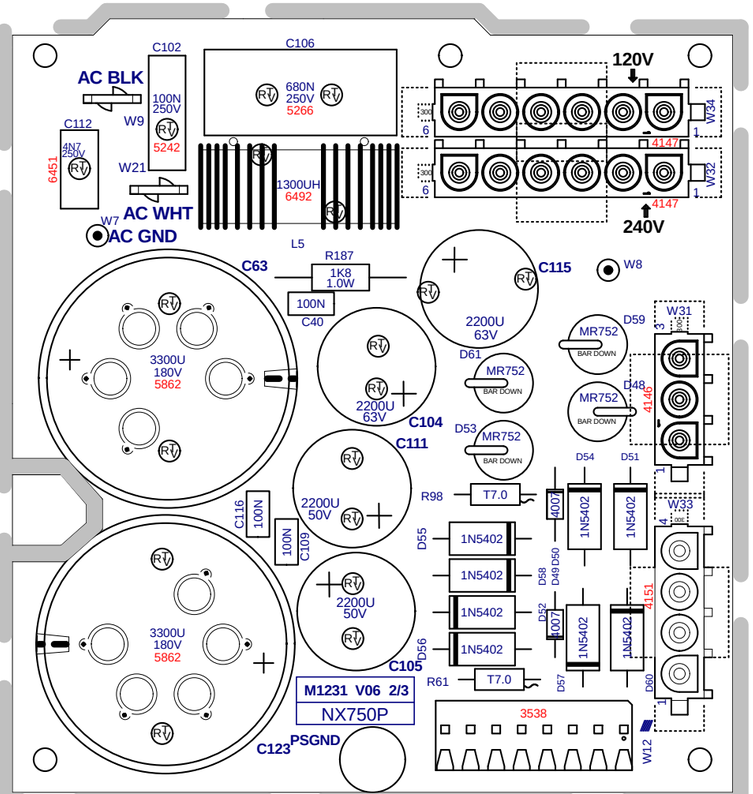


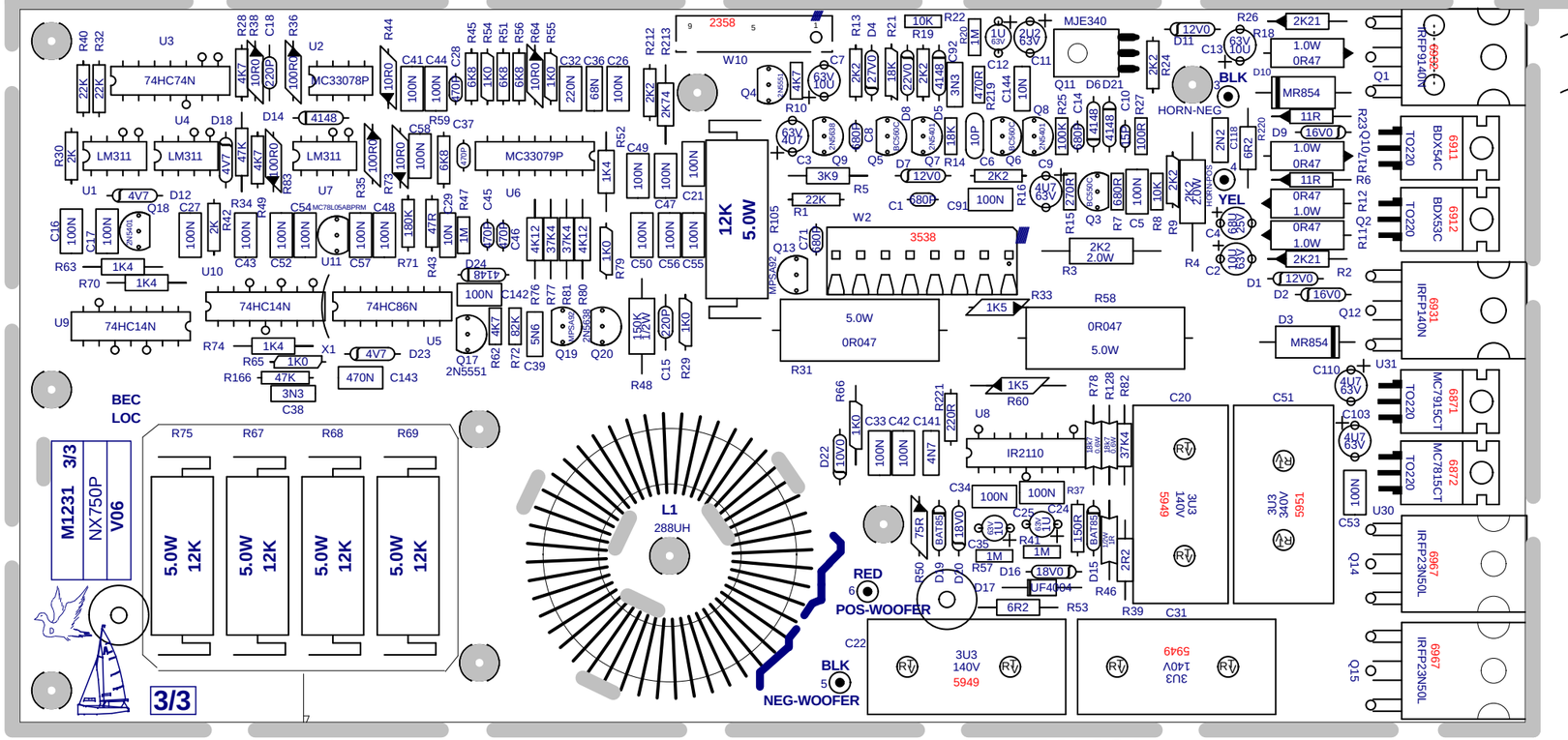
E C B
TO-126



"STYLE_P32"





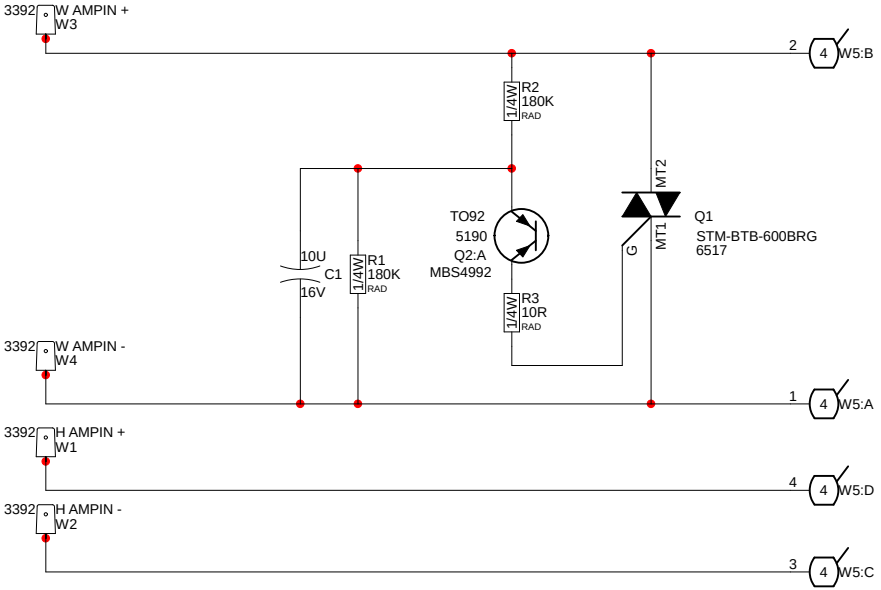




SEE NOTE 5

BlankSize - 11000x10000 Pcb Mech

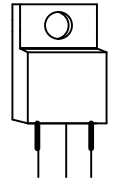
M1231 V06



M1369 PCB_DATABASE_HISTORY			
MODEL(S):-	CROW BAR		
#	DATE	VER#	DESCRIPTION OF CHANGE
1	28-NOV-2007	1.00	FIRST DESIGN
2	02-JUN-2008	2.00	UPDATE TABS
3	19-JAN-2009	3.00	CHANGE THE BECLOC HOLE TO NON PLATED
4	06-MAY-2011	V04	Reduce size of the panel. - GG
5	28-JUN-2012	V05	PC8448: Updated tab pattern - ML
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

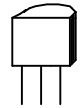
STM-BTB-600BRG



MT1 G MT2

TO-220

MBS4992



MT1 G MT2

TO-92

Yorkville

Product **CROWBAR**

MAIN	PCB# M1369	Sheet 1 of 2
Date: Thu Jun 28, 2012	Rev: V05	YsType: YsType
Filename: M1369V05.sch2006		

BlankSize - 13500x9000

M1369 V05

CROWBAR

H AMPIN +

W1

H AMPIN -

W2

W AMPIN+

W3

W AMPIN-

W4

6517

STM-BTB-600BRG

TO220

Q1

H +

H -

W +

W -

3538

W5

C1

16V
10U

R2

180K

R1

180K

MBS4992

Q2

5190

10R

R3

SHORT AXIS

LONG AXIS

CLINCH

ORIGIN

INSERT

ORIGIN

VCD

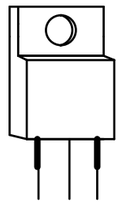
M1369 V05

SEE LAYOUT DIAGRAM

M1369 PCB_DATABASE_HISTORY			
MODEL(S):-	CROW BAR		
#	DATE	VER#	DESCRIPTION OF CHANGE
1	28-NOV-2007	1.00	FIRST DESIGN
2	02-JUN-2008	2.00	UPDATE TABS
3	19-JAN-2009	3.00	CHANGE THE BECLOC HOLE TO NON PLATED
4	06-MAY-2011	V04	Reduce size of the panel. - GG
5	28-JUN-2012	V05	PC8448 - Updated tab pattern - ML
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

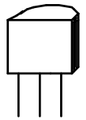
LEAD/PIN REFERENCE

STM-BTB-600BRG



MT1 G MT2
TO-220

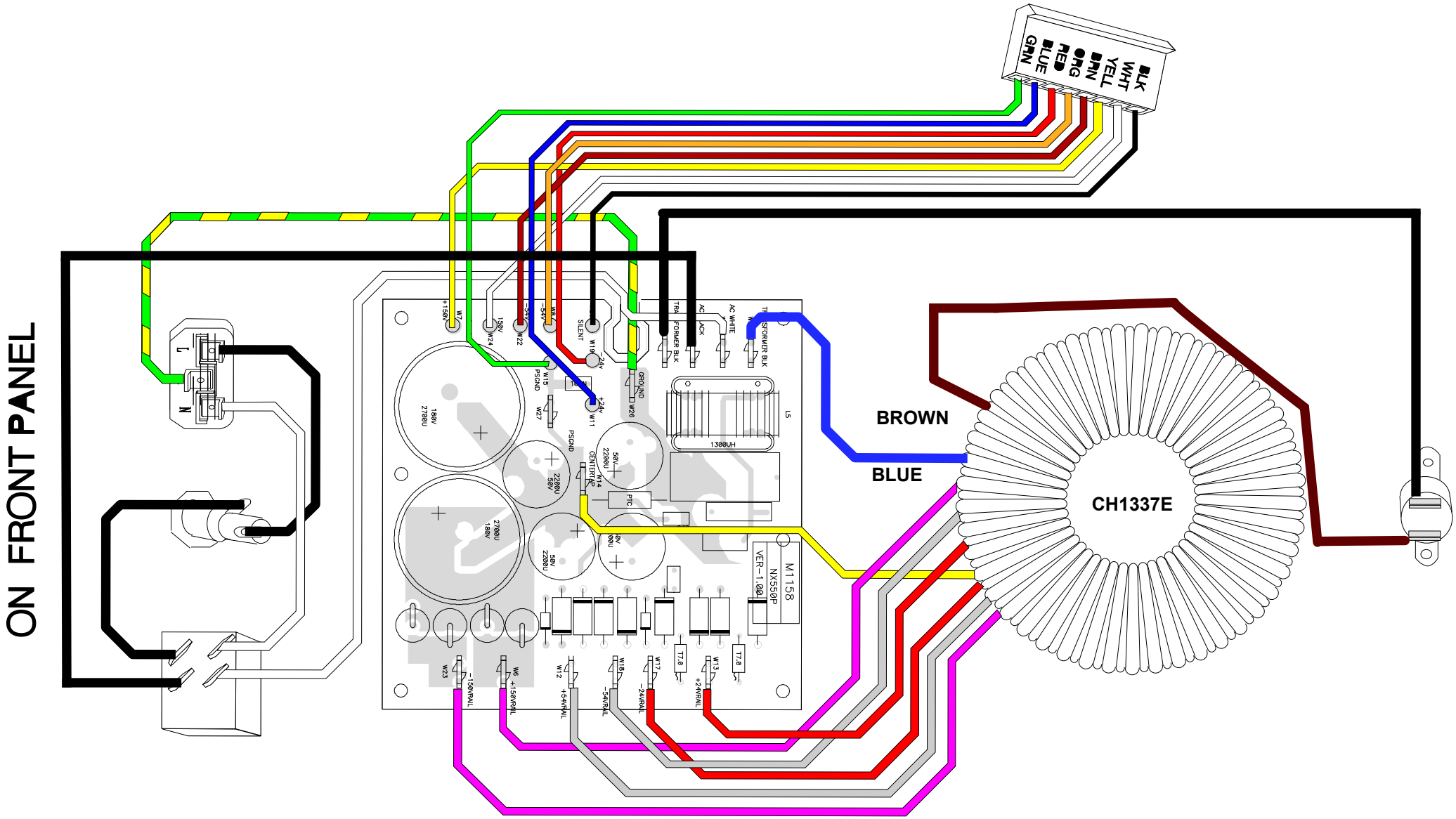
MBS4992



MT1 G MT2
TO-92

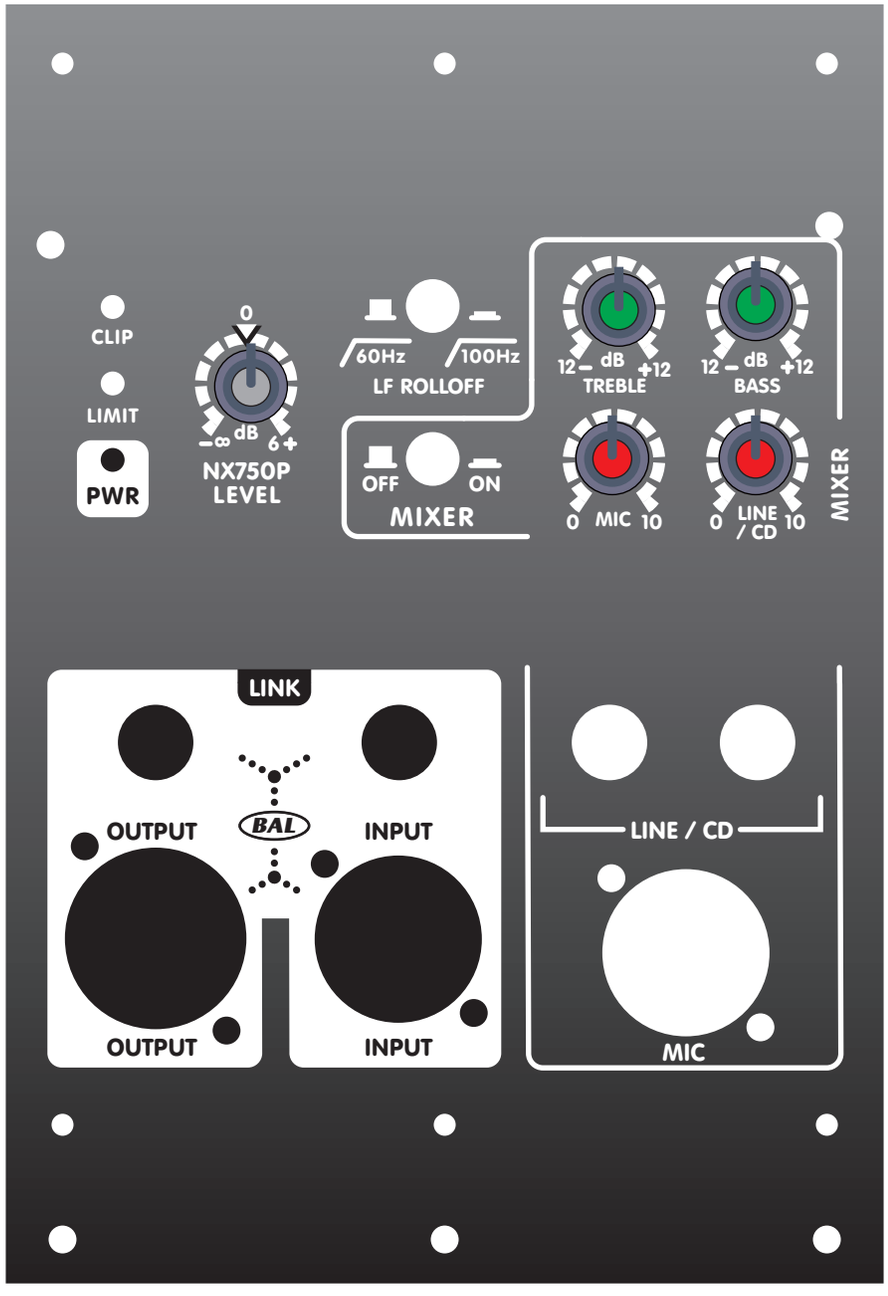
M1369 V05 PRODUCTION NOTES

1. USE #8799, #6 1/4 PAN SCREW FOR TRIAC Q1



NX750P EXPORT -CE- 230V

MAR 23 /05



YS#9916 Gray Knob (qty: 1)

YS#9917 Green Knob (qty: 2)

YS#89915 Red Knob (qty: 2)

WIRING-Z452D-nx750p-control-KNOB-COLORS-1v1.ai