



# ***SERVICE MANUAL***

MODEL TYPE: AM50  
***AM50T***

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

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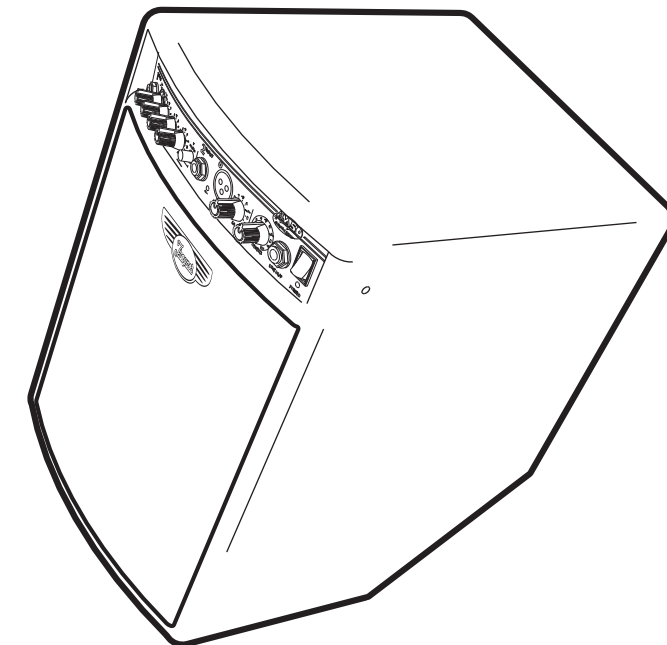
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Printed in Canada



## IMPORTANT SAFETY INSTRUCTIONS



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

### INSTRUCTIONS RELATIVES AU RISQUE DE FEU, CHOC ÉLECTRIQUE, OU BLESSURES AUX PERSONNES

#### **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.**

#### **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.

Ensure that proper ventilation is provided around the appliance.

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.

Assurez que l'appareil est fourni de la propre ventilation.

Les dispositifs marqués d'un symbole "d'éclair" sont des parties dangereuses au toucher et que les câblages extérieurs connectés à ces dispositifs de connection 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.

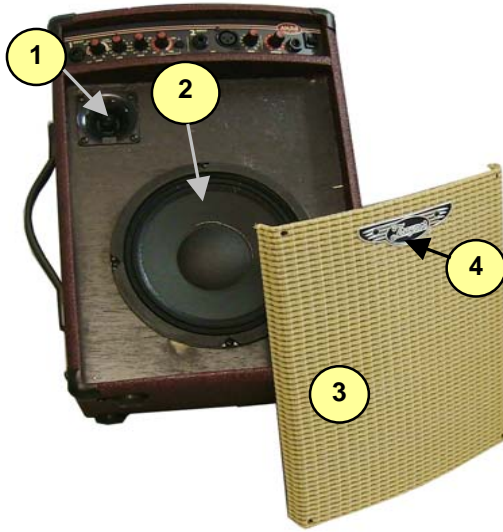
YS-118PW

YS No.	Description	Qty.	YS No.	Description	Qty.
6405	RED 3MM LED 1V7 5MA BRT	2	4599	22AWG SOLID SC WIR T&R JMP	41
6408	GRN 3MM LED 1V9 5MA FROSTED	1	5299	24AWG SOLID SC WIR RAD JMP	2
6825	1N4148 75V 0A45 DIODE T&R	7	4675	1/2W 10R 5% T&R RES	2
6438	1N4007 400V 1A0 DIODE T&R	1	4816	1/4W 33R 5% T&R RES	1
6827	1N5402 200V 3A0 DIODE	4	4704	5.0W 33R 5% BLK RES	1
6822	1N4745A 16V0 1W0 ZENER 5% T&R	2	4897	1/4W 120R 5% T&R RES	2
6824	1N5246B 16V0 0W5 ZENER 5% T&R	1	4857	1/4W 220R 5% T&R RES	4
5105	MPSA13 TO92 NPN TRANS DARL T&R	2	4770	1/4W 249R 1% T&R RES	2
6755	LM3876T IC 40 WATT POWER AMP	1	4655	1/2W 330R 5% T&R RES	8
6798	MC4741CP IC QUAD OP AMP	1	4799	1/4W 562R 1% T&R RES	2
6840	MC33078P IC DUAL OP AMP	1	4981	1/4W 1K 5%MINI T&R RES	3
6882	TL072CP IC FET DUAL OP AMP	4	4824	1/4W 1K5 5% T&R RES	3
6889	TL074CN IC QUAD O/A T.I ONLY	2	6113	1/4W 2K 5%MINI T&R RES	3
5402	_15P 100V 10%CAP T&R BEAD NPO	2	4883	1/4W 2K49 1% T&R RES	1
5199	100P 100V 2%CAP T&R RAD CER.2"NPO	2	4827	1/4W 4K7 5% T&R RES	5
5410	100P 100V 10%CAP T&R BEAD NPO	3	4639	1/4W 4K99 1% T&R RES	4
5420	680P 50V 10%CAP T&R BEAD NPO	2	4893	1/4W 5K1 5% T&R RES	1
5422	_1N 50V 10%CAP T&R BEAD NPO	4	4863	1/4W 8K2 5% T&R RES	2
5208	_2N2 400V 5%CAP T&R RAD .2"FLM	2	4800	1/4W 10K0 1% T&R RES	12
6451	_4N7 250V 20%CAP BLK 'Y' 10MM AC	1	4829	1/4W 10K 5% T&R RES	9
5204	_10N 100V 10%CAP T&R RAD .2"FLM	2	6116	1/4W 10K0 1%MINI MF T&R RES	3
5207	_18N 100V 5%CAP T&R RAD .2"FLM	2	4830	1/4W 15K 5% T&R RES	2
6435	_22N 275V 20%CAP BLK 'X2' 15MM AC	1	6123	1/4W 20K0 1%MINI MF T&R RES	2
5308	_47N 50V 10%CAP T&R BEAD X7R	1	4840	1/4W 33K 5% T&R RES	2
5310	_68N 50V 10%CAP T&R BEAD X7R	1	4834	1/4W 47K 5% T&R RES	2
5228	100N 100V 5%CAP T&R RAD .2"FLM	1	4803	1/4W 49K9 1% T&R RES	1
5314	100N 50V 10%CAP T&R BEAD X7R	15	4836	1/4W 68K 5% T&R RES	1
5230	180N 63V 5%CAP T&R RAD .2"FLM	1	6120	1/4W 100K 5%MINI T&R RES	5
5317	180N 50V 10%CAP T&R BEAD X7R	1	4849	1/4W 180K 5% T&R RES	2
5231	220N 63V 10%CAP T&R RAD .2"FLM	2	4844	1/4W 1M 5% T&R RES	1
5233	330N 63V 5%CAP T&R RAD .2"FLM	1	3586	ACC# 1BB1C1C SHORT REVERB	1
5234	470N 63V 10%CAP T&R RAD .2"FLM	1	8742	4-40 X 3/8 PAN PH TAPTITE JS500	2
5255	_1U 63V 20%CAP T&R RAD .2"EL	3	8842	#4 X 5/16 PAN QUAD TYPE A JS500 BLK	2
5256	_1U 63V 5%CAP T&R RAD .2"FLM	2	8801	6-32 X 3/8 PAN PH TAPTITE JS500	5
5257	_2U2 63V 20%CAP T&R RAD .2"EL	1	8829	6-32 X 3/8 FLAT PH TAPTITE BO#4 HEA	4
5945	_10U 63V 20%CAP T&R RAD .2"EL	1	8828	6-32 X 3/4 PAN PH TAPTITE JS500	3
5961	_33U 16V 20%CAP T&R RAD .2"NIP	2	8876	#6 X 1 1/2 PAN PH TYPE A JS500 BLK	4
5267	100U 25V 20%CAP T&R RAD .2"EL	3	8763	8-32 X 1/2 PAN PH MS JS500 BLACK	2
5630	330U 25V 20%CAP BLK 10X13MM EL	2	8767	#8 X 3/4 PAN PHIL TYPE A JS500 BLK	8
5887	2200U 50V 20%CAP BLK 18X27MM EL	2	8815	8-32 X 3/4 PAN PH TAPTITE JS500	1
4417	_10K 5B LIN 9MM HORIZONTAL P28	2	8749	10-32 X 1/2 QDX PH TAPTITE JS500	1
4418	_10K 5C R/A 9MM HORIZONTAL P28	2	8753	#10 X 1/2 PAN PH TYPE A JS500 BLACK	16
4420	_50K B LIN 9MM HORIZONTAL P28	1	8781	#10 X 7/8 FLAT PHIL TYPE A JS500BLK	10
4419	100K B LIN 12MM HORIZONTAL STP27	1	8912	10-32 X 1 FLAT PHIL MS JS500 BLK	2
711	30 X 50 X 1.5MIL PLASTIC BAG	1	8843	10-32 X 1 1/8 FLAT PH MS JS500	2
3804	SNAP ON 1.5" INSULATING BUSHING	1	8770	1/4-20 X 1 5/16 TRUSS PH MS JS500	2
8547	PLASTIC FOOT BLACK, POLYETHYLENE	8	8905	YORKVILLE PRODUCT SCHEMATIC	1
8570	CORNER, 2 LEGS NOTCED LIP BLACK	6	3833	8 X 3/8 (250 OD, .171 ID)NY SPACER	3
3463	CLIP 110X020 18-22AWG DISCO/INSL	2	7331	8" 8R 50WPGM SPEAKER	1
3478	CLIP 205/187X032 18-22AWG DISCO/INS	2	8820	#8 FLAT WASHER JS500	4
3489	CLIP 250X032 18-22AWG DISCO/INSL	9	8473	#10 BLACK CUPWASHER SWF-10BK	3
3490	CLIP 250X032 14-16AWG DISCO/INSL	1	3421	DPDT PUSH SW PCMT MAKE B4 BREAK	1
3601	RING TERMINAL 16AWG WIRE & #8 SCREW	3	3698	SPST ROKR SW QUIK 180° AC PWR BL/BL	1
3682	250 MALE PCB TAB REEL	10	8468	VELCRO STRAP 3/4"X22CM (VELSTRAP)	1
3795	#8 GROUND LUG ZIERICK 505-169	2	1309	BLOC-40B/40K/40W/50B XFMR	1
3498	1/4" JCK PCB MT HORZ	3			
3886	36" RCA DUAL RED-WHITE PREFAB CABLE	1			
3914	RCA SNGL PCB MT HORZ	2			
3417S	6-32 SCREW TERMINAL PC MNT SNAP-IN	2			
3660	XLR FEML PCB MT HORZ	1			
3451	EYELET SMALL 0.089 OD PLATED	6			
3414	INTERNATIONAL PC MOUNT FUSEHOLDER	2			
2468	0.800 AMP SLO-BLO .25X1.25 FUSE	1			
8451	10" STRAP HANDLE, BLACK METAL ENDCAP	1			
8604	10-32 T NUT	2			
7417	8R 30W TWEETER PIEZO TLC 1	1			
3745	DUAL XSISTOR PBL SPRING CLEAR ZINC	1			
9897	CABINET COVER, BLACK, 54" WIDE	1			
3645	AC SOCKET RECEPTACLE WITH 0.250 TAB	1			
3801	5/8" BUMPER BUTTON BLACK	1			
3803	NYLON SECUR-A-TACH MINI PLASTIC TIE	1			
3810	4" NYLON CABLE TIE	5			
8642	MAROON KNOB FOR AM WINE RED SERIES	6			
8649	BUTTON KNOB FLAT BLACK	1			
3428	8' 3/18 SJT AC LINE CORD REMOVABLE	1			
3834	HEYCO #1214 STRAIN RELIEF	1			
8267	SMALL TRAYNOR LOGO EMBOSSED ALUMIN.	1			
8910	YORKVILLE PRODUCT MANUAL	1			
8900	YORKVILLE WARRANTY CARD 2-YR UNLTD.	1			
8701	4-40 KEPS NUT ZINC	2			
8800	6-32 KEPS NUT ZINC	3			
8787	8-32 KEPS NUT ZINC	2			
8845	10-32 PEMNUT C-1032-2-Z1	2			
8898	1/4-20 CAGE NUT C79 98142027	2			
3830	TO218 PREGREASED MICA 56-78-2AP	1			
8581	CUSTOM PBL TRANSISTOR SPACER	1			
4597	22AWG STRAN TC WIR JMP	7			

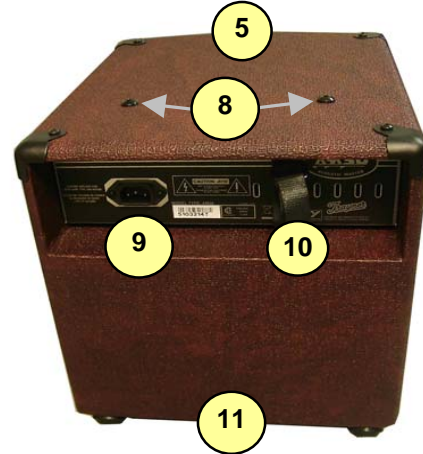
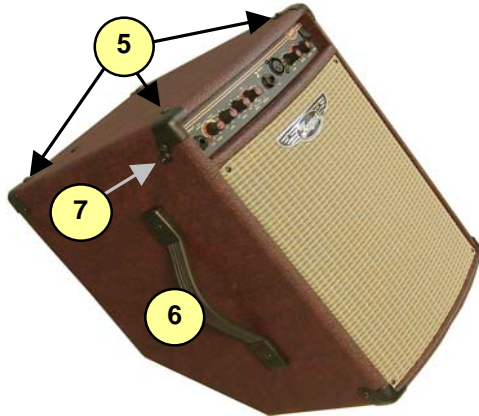


# am50t

Traynor Acoustic Master



#	Part#	Description
<b>Labeled Components</b>		
1	7417	8R 30W TWEETER PIEZO TLC 1
2	7331	8" 8R 50WPGM SPEAKER
3	Z276	AM50T GRILL
4	8267	SMALL TRAYNOR LOGO EMBOSSED ALU
5	8570	CORNER, 2 LEGS NOTCED LIP BLACK
6	8451	10" STRAP HANDLE, BLACK METAL EN
7	8473/8912	#10 BLACK CUPWASHER /10-32 X 1 FLAT PHIL MS JS500 BL
8	8770/8817	1/4-20 X 1 5/16 TRUSS PH MS JS500/#10 FLAT WASHER
9	3645	AC SOCKET RECEPTACLE WITH 0.250
10	8468	VELCRO STRAP 3/4"X22CM (VELSTRA
11	8547	PLASTIC FOOT BLACK, POLYETHYLEN
12	3450	1/4" JCK PCB MT HORZ, GOLD
13	8642	MAROON KNOB FOR AM WINE RED SER
14	3421/8649	DPDT PUSH SW PCMT MAKE B4 BREAK/BUTTON KNOB
15	3660	XLR FEML PCB MT HORZ
16	3698	SPST ROKR SW QUIK 180" AC PWR B
17	3428	8' 3/18 SJT AC LINE CORD REMOVA
18	3586	ACC# 1BB1C1C SHORT REVERB
19	3688	36" RCA DUAL RED-WHITE PREFAB C
20	2468	0.800 AMP SLO-BLO .25X1.25 (Internal Fuse)
21		
22		



\*NOTE: Replacement grills & HF Driver supports are 'Special-Order' and are only available while the model is in production.

\*\* Internal Lightbulb not shown

**Real Gear.  
Real People.**







# SEE LAYOUT DIAGRAM



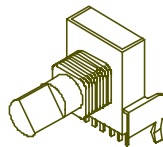
M571 Database History			
MODEL(S):-		AM50	
#	DATE	VER#	DESCRIPTION OF CHANGE
1	JAN/18/00	3.00	ADD POT CHART
2	JAN/15/02	4.00	PC#6250 MOVE C2 AWAY FROM J2. PC#6177 MOVE RED LED. NEW SOLDERMASK FOR TABS. PC#6484 NEW DRILL
3	.	.	
4	.	.	AND MASK FOR RCA JACKS
5	AUG/26/02	5.00	MAKE ALL LED LEADS THE SAME LENGTH
6	MAR/31/05	6.00	PC#6867 REDO SOLDERMASK
7	JUL/05/05	7.00	MAKE CE COMPLIANT FOR AC CLEARANCES
8	SEP/2005	8.00	CONVERT TO PCAD2002
9	.	.	PC#7125 RCA JACKS #3914 TO #6541
10	.	.	PC#7094 SWITCH #3421 TO #3436
11	D	V	N
12	D	V	N
13	D	V	N

M571 POT LIST				
MODEL(S):-		AM50		
REF	FUNCTION	PART#	KNOB	AS OF
P1	VOLUME	#4417	#8641	SEP/05
P2	BASS	#4420	.	N
P3	REVERB	#4417	.	N
P4	TREBLE	#4420	.	N
P5	GAIN	#4418	.	N
P6	NOTCH	#4419	.	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

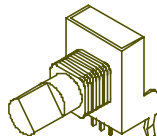
## PRODUCTION NOTES:

- DO NOT CUT THE LEADS FOR D1,D2,D3 AND D4  
BEND THE LEADS OVER AND LAY FLAT ON PCB

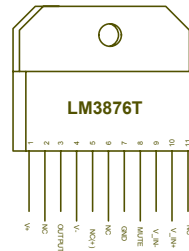
Mnnnn Drilling History			
MODEL(S):-		{MODEL}	
#	DATE	VER#	DESCRIPTION OF CHANGE
1	D	V	N
2	D	V	N
3	DD	V	N
4	DD	V	N
5	DD	V	N
6	DD	V	N
7	DD	V	N
8	DD	V	N
9	DD	V	N
10	DD	V	N
11	DD	V	N
12	DD	V	N
13	D	V	N



"STYLE\_P27"



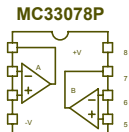
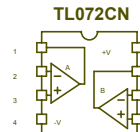
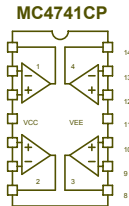
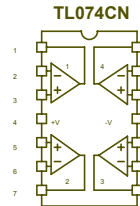
"STYLE\_P28"



- 2N5401
- 2N5551
- MPSA06
- MPSA13
- MPSA43
- MPSA56
- MPSA63



E B C  
TO-92



# Block Diagram for AM50T

DESIGNED AND MANUFACTURED BY YORKVILLE SOUND

