

# STEREO INTEGRATED AMPLIFIER

# AX-500/AX-500U

## SERVICE MANUAL

For Service Manuals Contact  
MAURITRON TECHNICAL SERVICES  
8 Cherry Tree Rd, Chinnor  
Oxon OX9 4QY  
Tel: 01844-351694 Fax: 01844-352554  
Email: [enquiries@mauritron.co.uk](mailto:enquiries@mauritron.co.uk)

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### IMPORTANT NOTICE

This manual has been provided for the use of authorized Yamaha Retailers and their service personnel. It has been assumed that basic service procedures, inherent in the industry, and more specifically Yamaha Products, are already known and understood by the users, and have therefore not been restated.

**WARNING:** Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all Yamaha product owners that all service required should be performed by an authorized Yamaha Retailer or the appointed service representative.

**IMPORTANT:** The possession or sale of this manual to any individual or firm does not constitute authorization, certification or recognition of any applicant's technical capabilities, or establish a principle-agent relationship of any form.

The data provided is believed to be accurate and applicable to the unit(s) indicated on the cover. The research, engineering, and service departments of Yamaha are continually striving to improve Yamaha products. Modifications are, therefore, inevitable and specifications are subject to change without notice or obligation in retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

**WARNING:** Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground bus in the unit (heavy gauge black wire connect to this bus).

**IMPORTANT:** Turn the unit OFF during disassembly and parts replacement. Redo all work before you apply power to the unit.

### ■ CONTENTS

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**YAMAHA**

YAMAHA CORPORATION

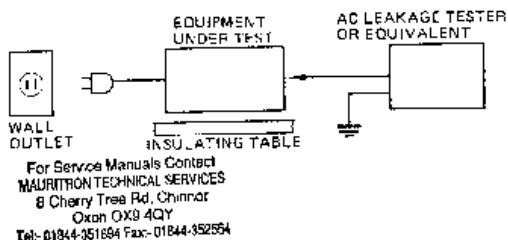
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01H-027 Printed in Japan 89.12

AX-500/AX-500U

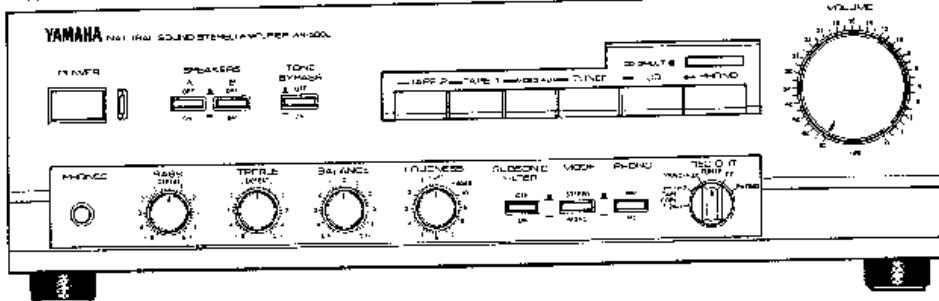
**TO SERVICE PERSONNEL**

1. Critical Components Information.  
Components having special characteristics are marked **C**, and must be replaced with parts having specifications equal to those originally installed.
  2. Leakage Current Measurement (For 120V Model Only).  
When service has been completed, it is imperative that you verify that all exposed conductive surfaces are properly insulated from supply circuits.
  - Meter impedance should be equivalent to 1500 ohm shunted by 0.15μF.
  - Leakage current must not exceed 0.5mA.
  - Be sure to test for leakage with the AC plug in both polarities.

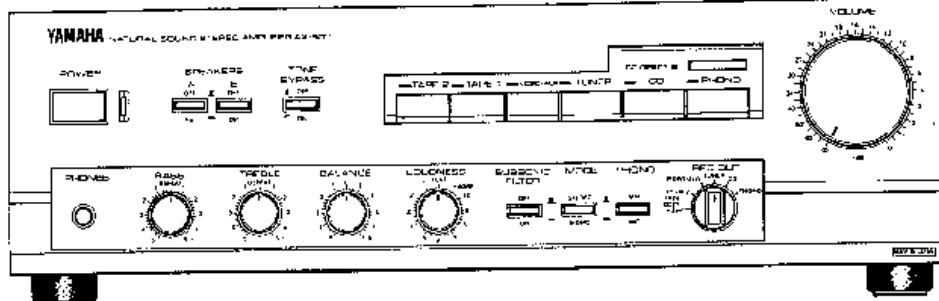


## ■ FRONT PANELS

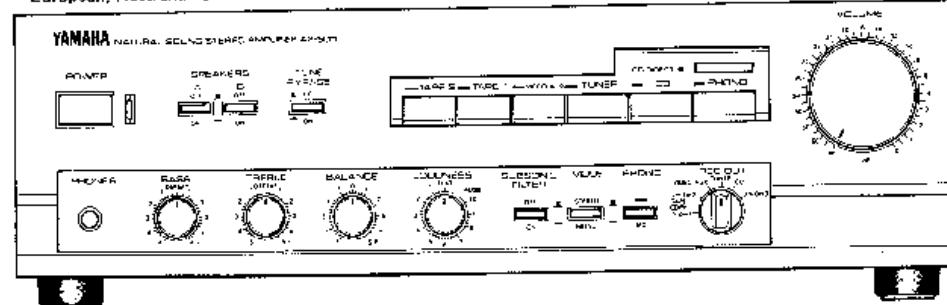
#### ▼ U.S.A. & Canadian models



▼ British model

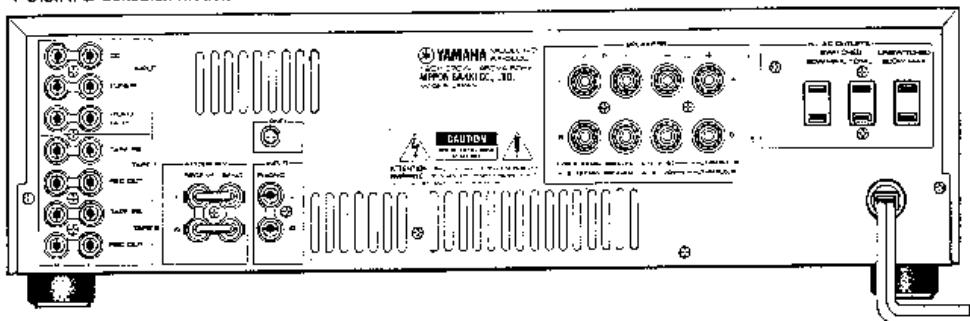


\* European, Australian & Other models

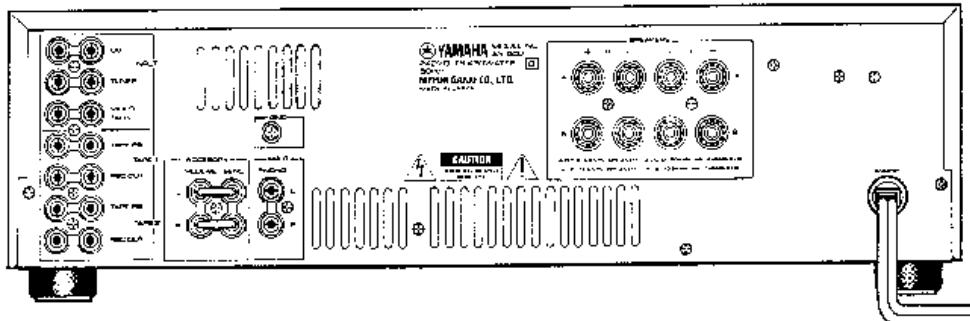


## ■ REAR PANELS

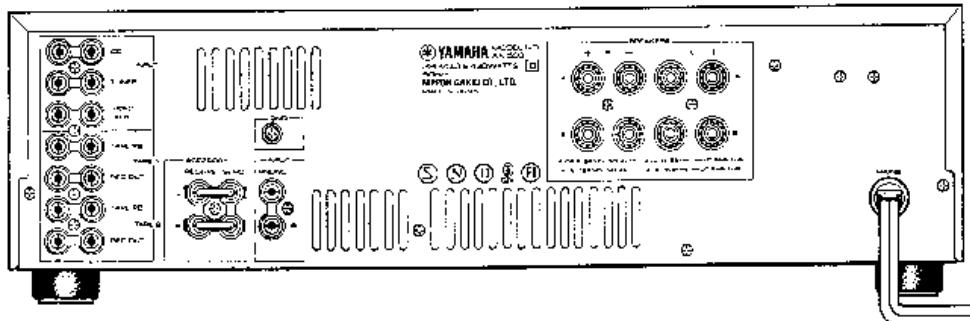
### ▼ U.S.A. & Canadian models



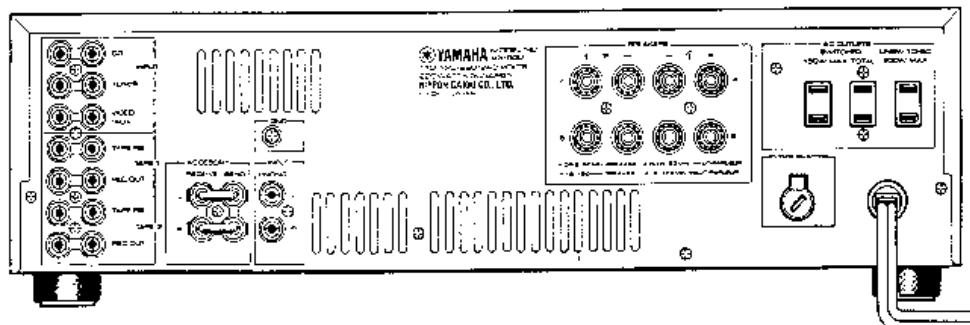
### ▼ Australian & British models



### ▼ European model



### ▼ Other model



## AX-500/AX-500U

### SPECIFICATIONS

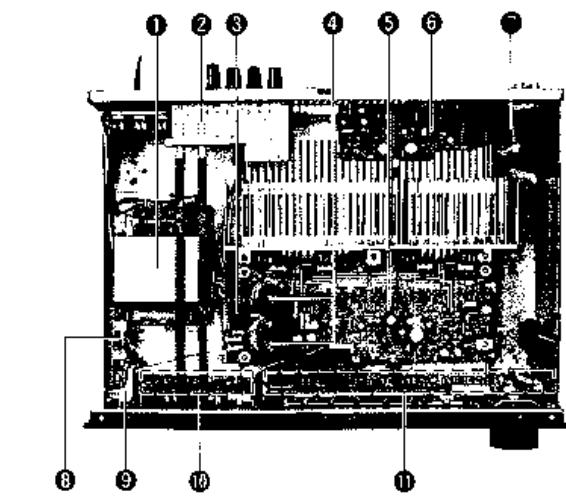
Minimum RMS Output Power Per Channel		
20Hz ~ 20kHz, 0.01% THD, 8Ω	85W	
20Hz ~ 20kHz, 0.05% THD, 6Ω	100W (U)(C)(R)	
Dynamic Power Per Channel		
(by IHF Dynamic Headroom measuring method)		
8Ω	140W	
6Ω	170W	
4Ω	200W	
2Ω	230W	
DIN Standard Output Power Per Channel		
1kHz, 1% THD, 4Ω	120W (G)	
Dynamic Headroom		
8Ω	2.17dB (B)(U)(C)	
6Ω	2.17dB (B)(U)(C)	
IEC Power		
1kHz, 1% THD, 8Ω	83W (G)	
1kHz, 1% THD, 4Ω	120W (C)	
Power Band Width		
0.03% THD, 12.5W, 8Ω	10Hz ~ 50kHz	
Damping Factor		
1kHz, 8Ω	50	
Input Sensitivity/Impedance		
Phono MC	150μV/220Ω	
MM	2.5mV/47kΩ	
CD etc.	150mV/47kΩ	
Input Sensitivity (New IHF)		
Phono MC	19μV	
MM	0.27mV	
CD etc.	15.5mV	
Maximum Input Signal (1kHz)		
Phono MC	10mV	
MM	150mV	
Output Level/Impedance		
Rec Out	150mV/470Ω	
Headphone Jack Rated Output/Impedance		
0.01% THD, RL = 8Ω	0.75V/270Ω	
Frequency Response		
20Hz ~ 20kHz, CD etc.	±0.5dB	
RIAA Equalization Deviation		
Phono MC	±0.5dB	
MM	±0.3dB	
Total Harmonic Distortion (20Hz ~ 20kHz)		
Phono MC to Rec Out (3V)	0.007%	
MM to Rec Out (3V)	0.003%	
Intermodulation Distortion		
CD etc. Rated Output/8Ω	0.01%	

Signal to Noise Ratio (IHF-A-Network)		
Phono MC (500μV Input Shorted)	73dB	
MM (5mV Input Shorted)	90dB	
CD etc. (Shorted)	100dB	
Signal to Noise Ratio (New IHF)		
Phono MC	72dB	
MM	76dB	
CD etc.	80dB	
Residual Noise (IHF-A-Network)		
	140μV	
Channel Separation (1vol ~ 30dB)		
Phono MC/MM input shorted 1kHz	50dB	
CD etc. input 5.1kHz terminated 1kHz	50dB	
Tone Control Characteristics		
BASS boost/cut	±10dB (at 20Hz)	
turnover frequency	350Hz	
TREBLE boost/cut	±10dB (at 20kHz)	
turnover frequency	3.5kHz	
Filter Characteristics		
Subsonic	15Hz, -12dB/oct	
Continuous Loudness Control		
(Level related equalization)		
Attenuation	-40dB (1kHz)	
Gain Tracking Error (0dB ~ -60dB)		
	2dB	
Power Supply		
J.S.A. & Canadian models	AC120V, 60Hz	
European model	AC220V, 50Hz	
Australian & British models	AC242V, 50Hz	
Other mode	AC110V/120/220/240V, 60/50Hz	
Power Consumption		
J.S.A. & Canadian models	370W	
Australian, European & British models	430W	
Other mode	220W	
AC Outlet .... (U)(C)(R) only		
Switched x 2	80W max. (U)(C)	
	150W max. (R)	
	200W max.	
Unswitched x 1		
Dimension (W x H x D)		
	43E x 139 x 332 mm	
	(17-1/8 x 5-1/2 x 13-1/16")	
Weight		
	7.7 kg (16 lbs. 15 oz)	

\* Specifications are subject to change without notice.

(U) .... U.S.A. model    (G) .... European model  
 (C) .... Canadian model    (B) .... British model  
 (A) .... Australian model    (R) .... Other model

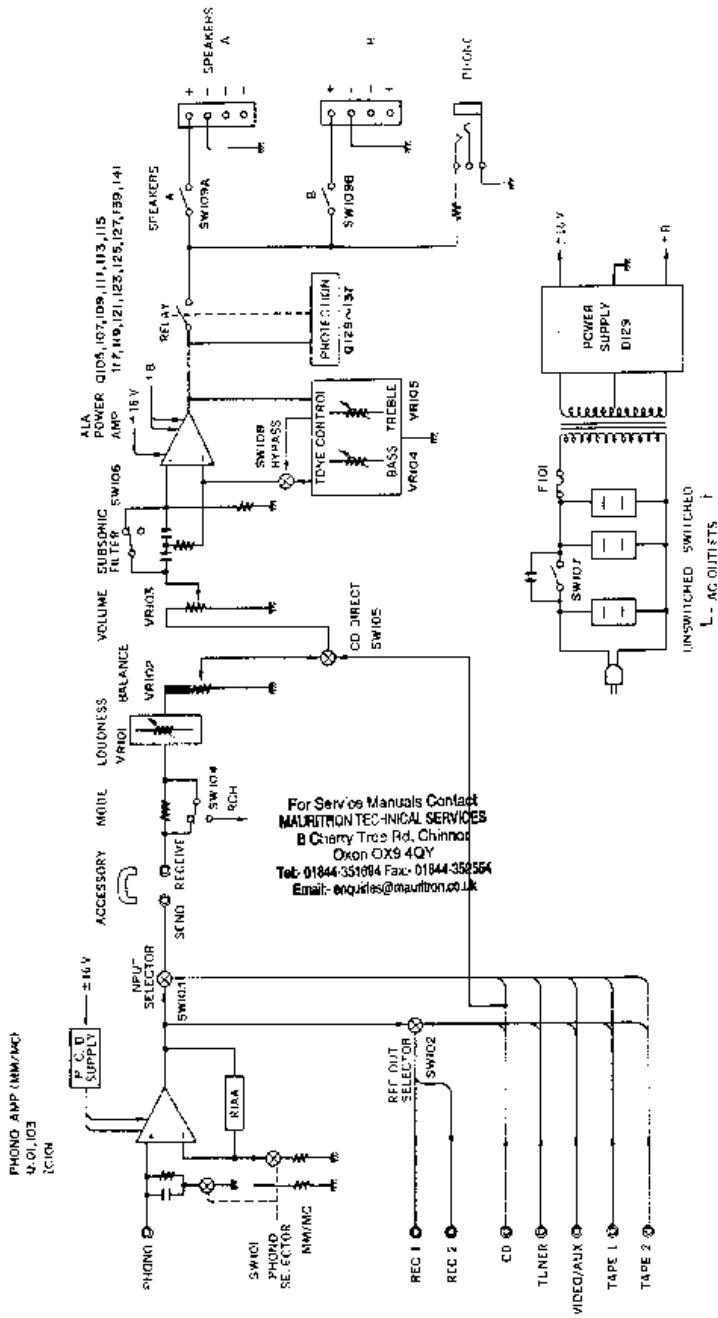
### INTERNAL VIEW



3

- ① POWER TRANSFORMER  
U.S.A. model: XB792002  
Canadian model: XB795002  
European model: XB794002  
Australian & British models: XB793002  
Other model: XB791002
- ② MAIN CIRCUIT BOARD (6)
- ③ BRIDGE DIODE: 11100870 (4D4B41)
- ④ ELECTROLYTIC CAP  
12000μF 65V: VC107000
- ⑤ MAIN CIRCUIT BOARD (1)
- ⑥ MAIN CIRCUIT BOARD (3)
- ⑦ MAIN CIRCUIT BOARD (4)
- ⑧ FUSE  
U.S.A. & Canadian models:  
KB001520 (7A 125V)  
Australian, British & European models:  
KB000760 (T3.15A 250V)  
Other model:  
KBD01300 (T7.0A 250V)
- ⑨ POWER SWITCH
- ⑩ MAIN CIRCUIT BOARD (5)
- ⑪ MAIN CIRCUIT BOARD (2)

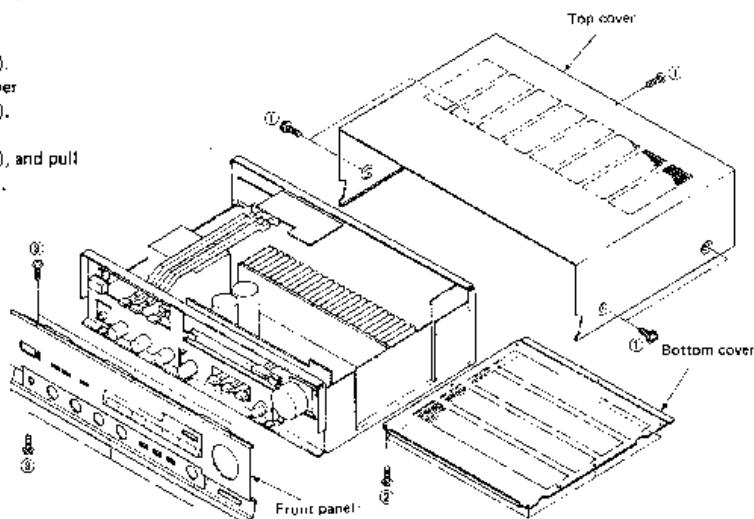
## ■ BLOCK DIAGRAM



## ■ DISASSEMBLY PROCEDURES

(Remove parts in disassembly order as numbered.)

1. Removal of top cover  
Remove 5 screws (①).
2. Removal of bottom cover  
Remove 7 screws (②).
3. Removal of front panel  
Remove 6 screws (③), and pull the front panel forward.

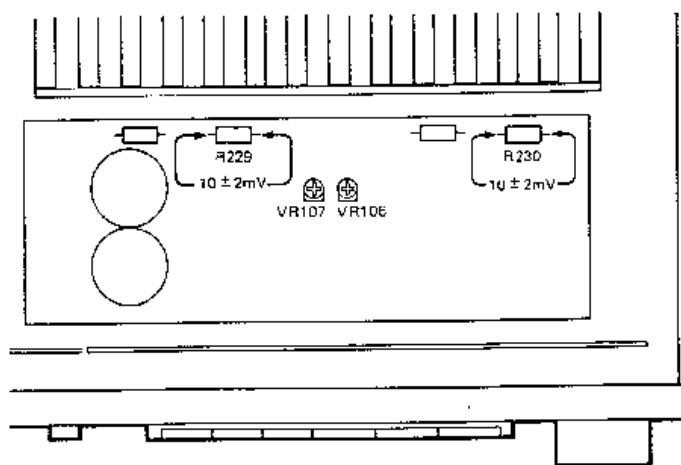


## ■ ADJUSTMENTS

### • IDLING CURRENT ADJUSTMENT

When replacing the power and drive transistors, adjust idling current. Adjust idling current in no signal and non load condition. Adjust VR107 (Lch) and VR106 (Rch) so that the voltage across the terminal of R229 and R230 come to  $10mV \pm 2mV$  DC.

	Test points	Adjustment points	Test points
Lch	Across the terminals of R229	VR107	$10mV \pm 2mV$ DC.
Rch	Across the terminals of R230	VR106	$10mV \pm 2mV$ DC.



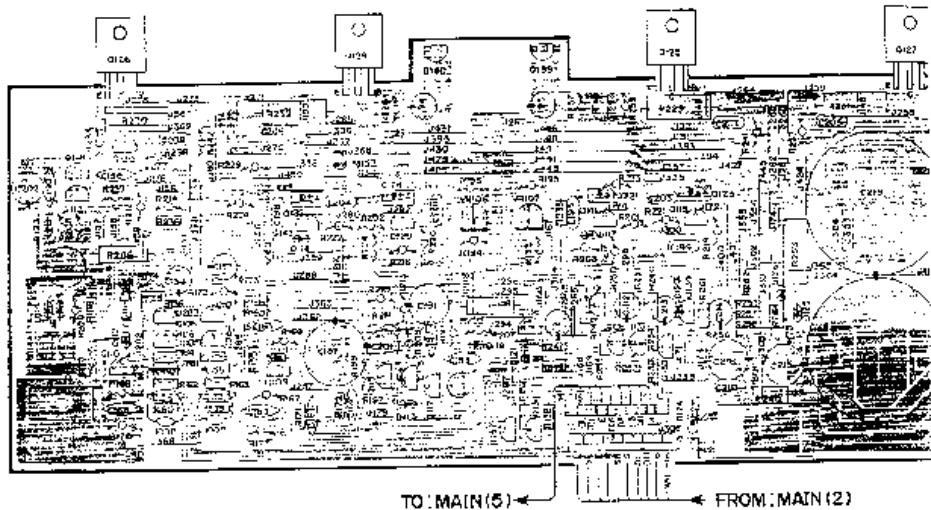
**■ PRINTED CIRCUIT BOARD (Pattern side)**

1

Main Circuit Board (1)

Note: 文字面 : Component side

2

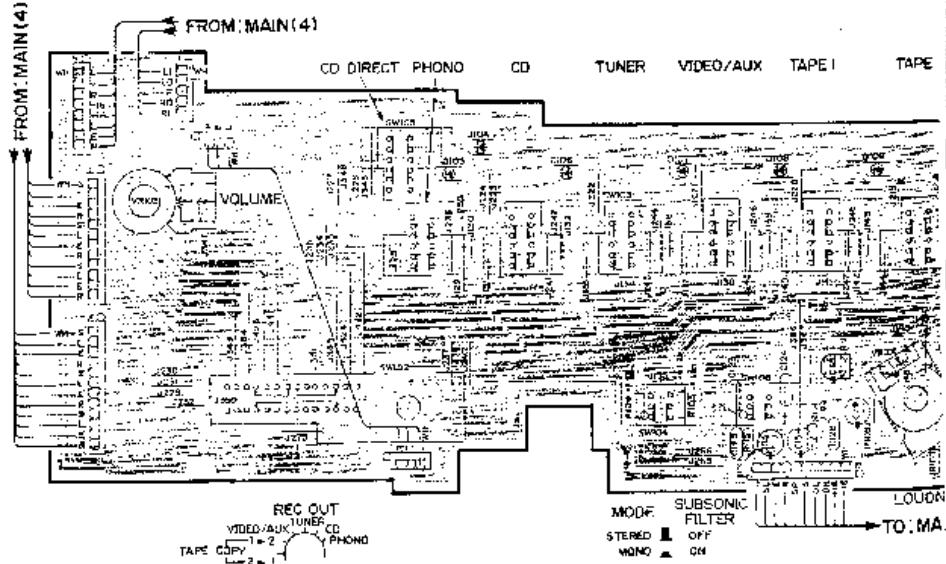


3

Main Circuit Board (2)

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4



5

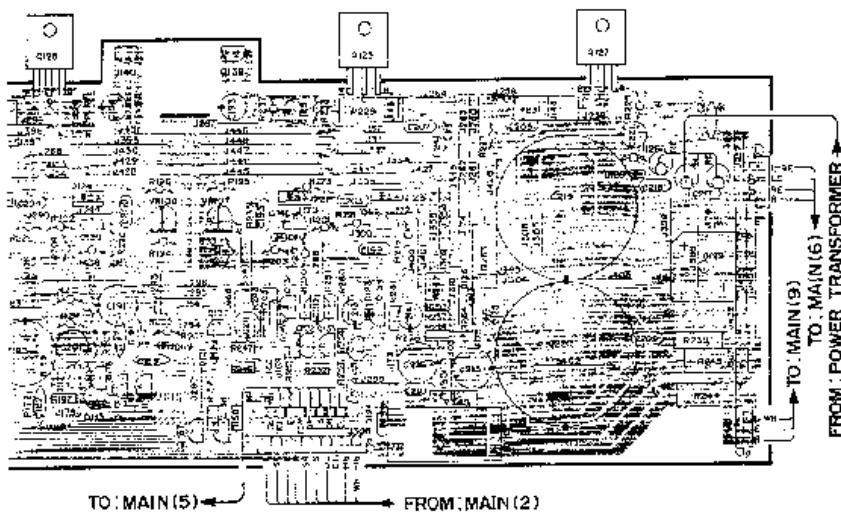
6

B C D E

### BOARD (Pattern side)

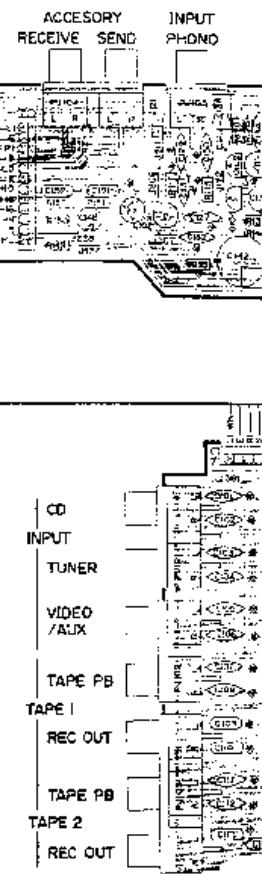
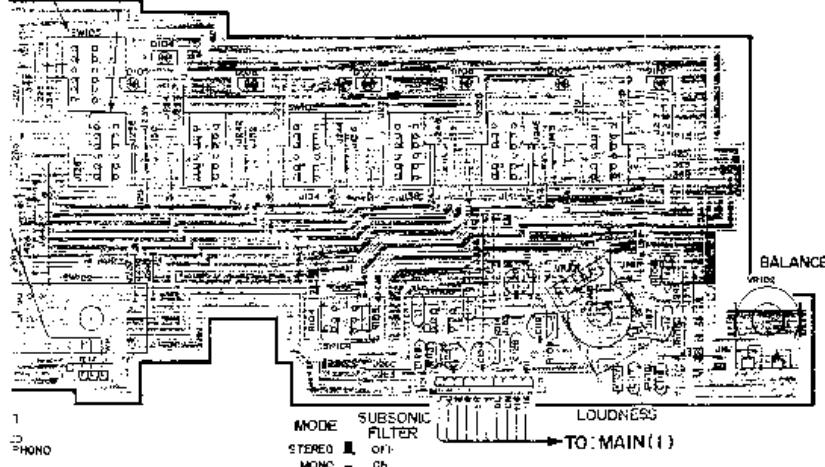
Board (1)

Note) 文字面 : Component side

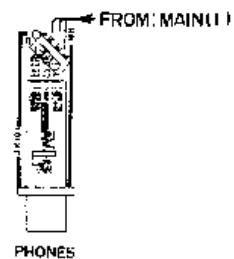


Board (2)

CD DIRECT PHONO CD TUNER VIDEO/AUX TAPE 1 TAPE 2



Main Circuit Board (9)



E

F

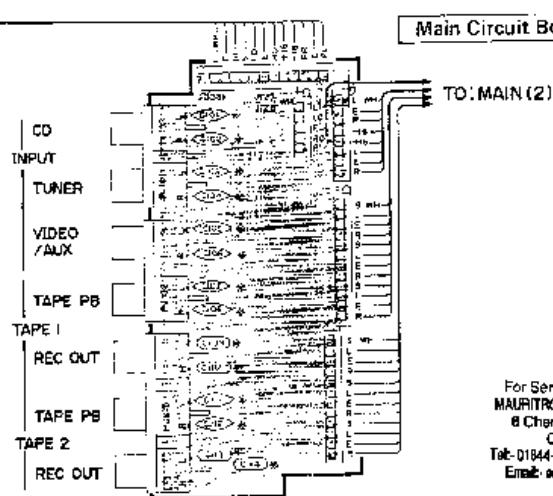
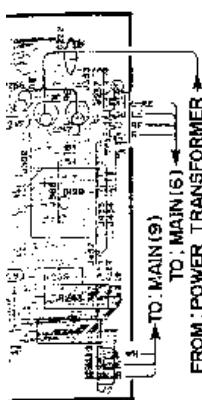
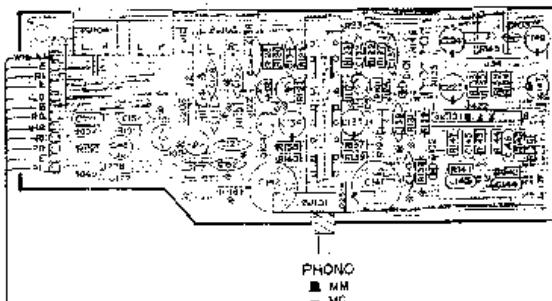
G

H

AX-500/AX-500U

ACCESSION  
RECEIVE SEND INPUT  
PHONO

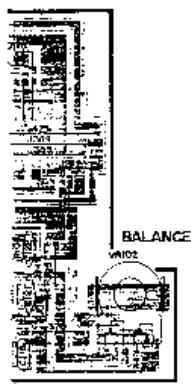
Main Circuit Board (3)



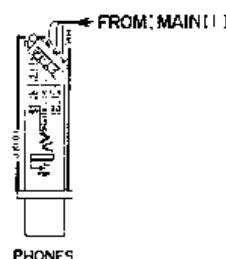
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Note \* marked

	R	U	C	A, B	G
R131, 132	100				180
R171, 178	180				82
C126, 130	OPEN				150P
R117, 118	10				33
C139, 140	1500P				2700P
L101, 102	SHORT				15uH
C238	OPEN				5600P
L103, 104	OPEN				220uH
C101 ~ 108 t11, 112	OPEN				470P
C272	OPEN				0.01
C227 ~ 230	OPEN				5600P
C231 ~ 236	OPEN				0.022
P269 ~ 272	OPEN				4.7
F101	T7.0A 250V	7A 125V	T3.15A 250V		
F102	T3.5A 250V	OPEN			
J331	OPEN				SHORT
C109, 110 113, 114	OPEN				470P
C231, 232	OPEN				220P
C233, 234	OPEN				270P



Main Circuit Board (9)



7

A AX-500/AX-500U B

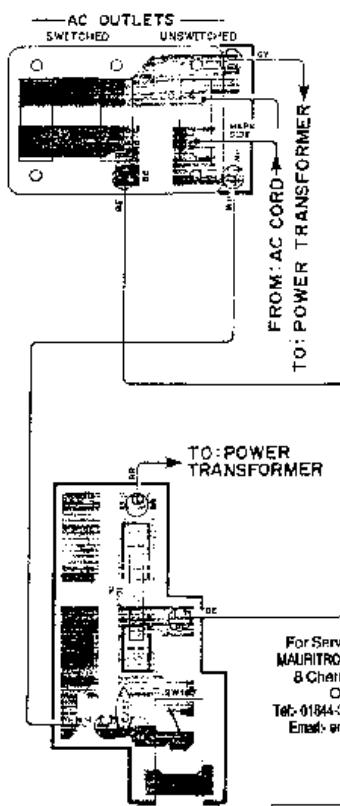
C D

### ■ PRINTED CIRCUIT BOARD (Pattern side)

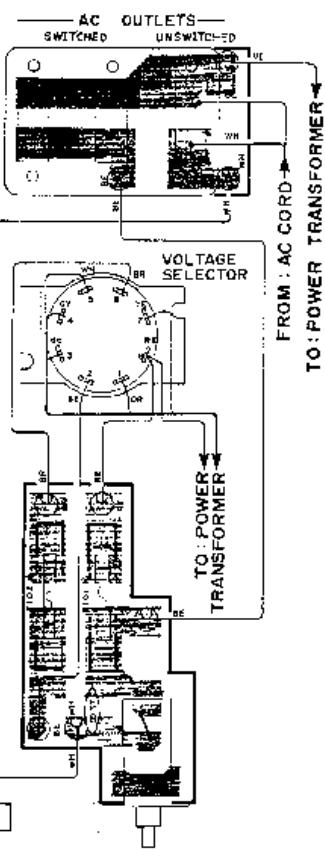
1

Main Circuit Board (8)

U,C MODELS

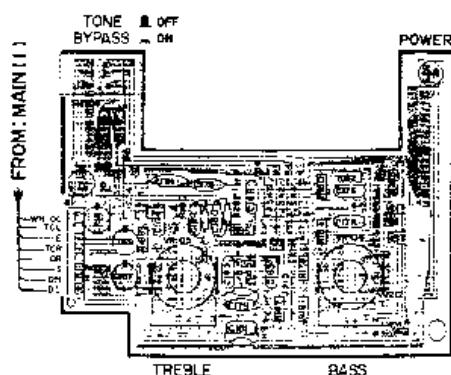


R MODEL



A,G

Main Circuit Board (7)



Main Circuit Board (5)



2

3

4

8

5

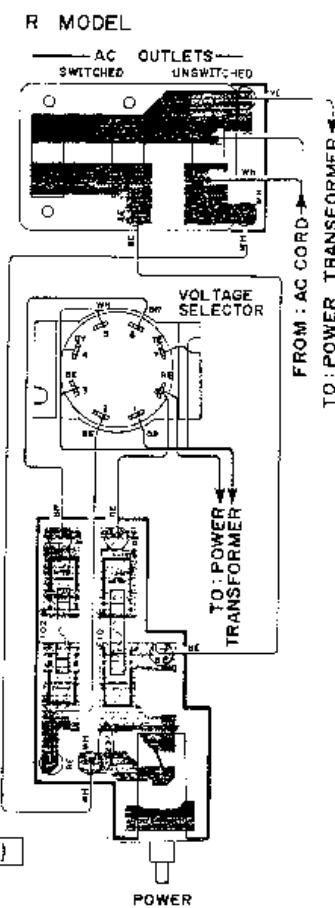
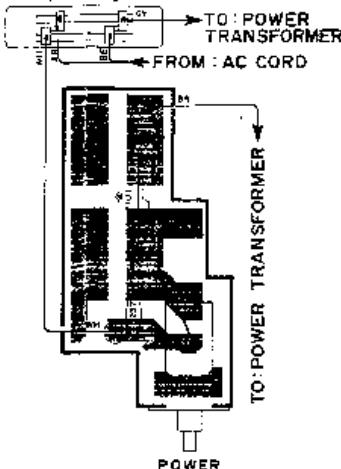
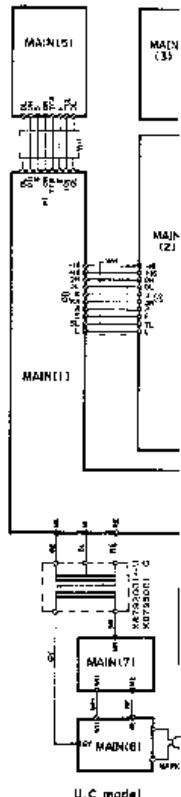
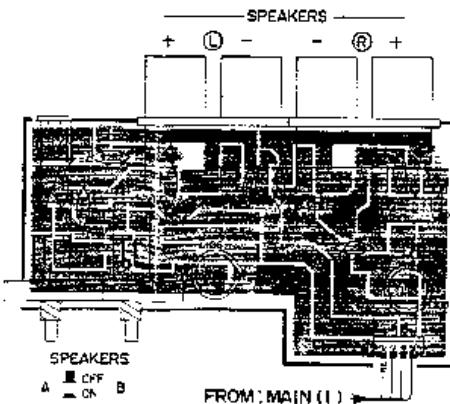
6

C

D

E

F

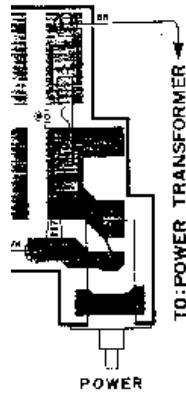
**Pattern side)****Circuit Board (8)****Circuit Board (7)****Main Circuit Board (5)****A, G, B MODELS****■ WIRING****Main Circuit Board (6)**

E F G H

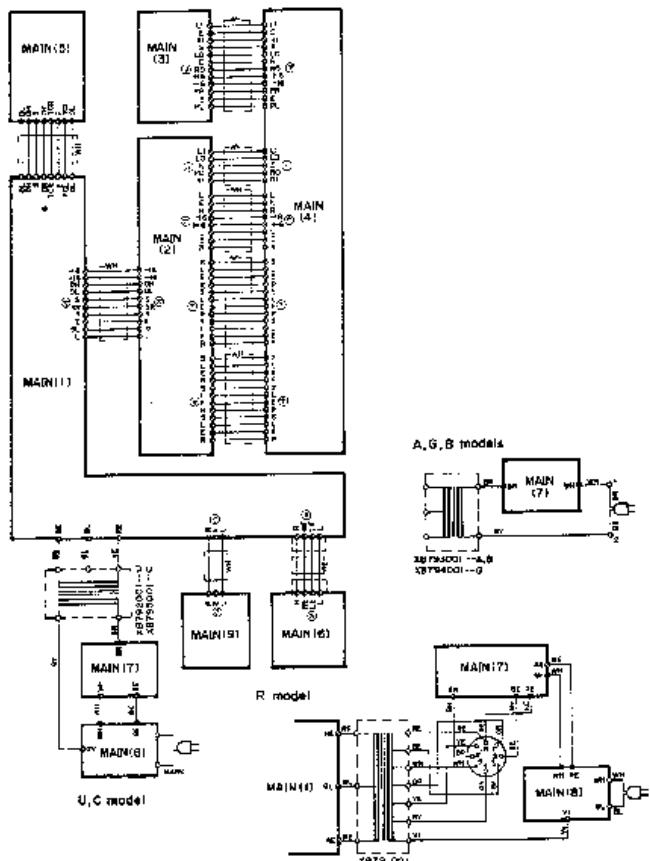
## ■ WIRING

MODELS

TO : POWER TRANSFORMER  
FROM : AC CORD



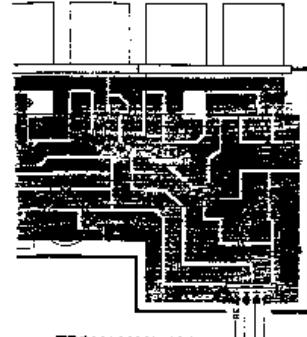
POWER



Main Circuit Board (6)

SPEAKERS

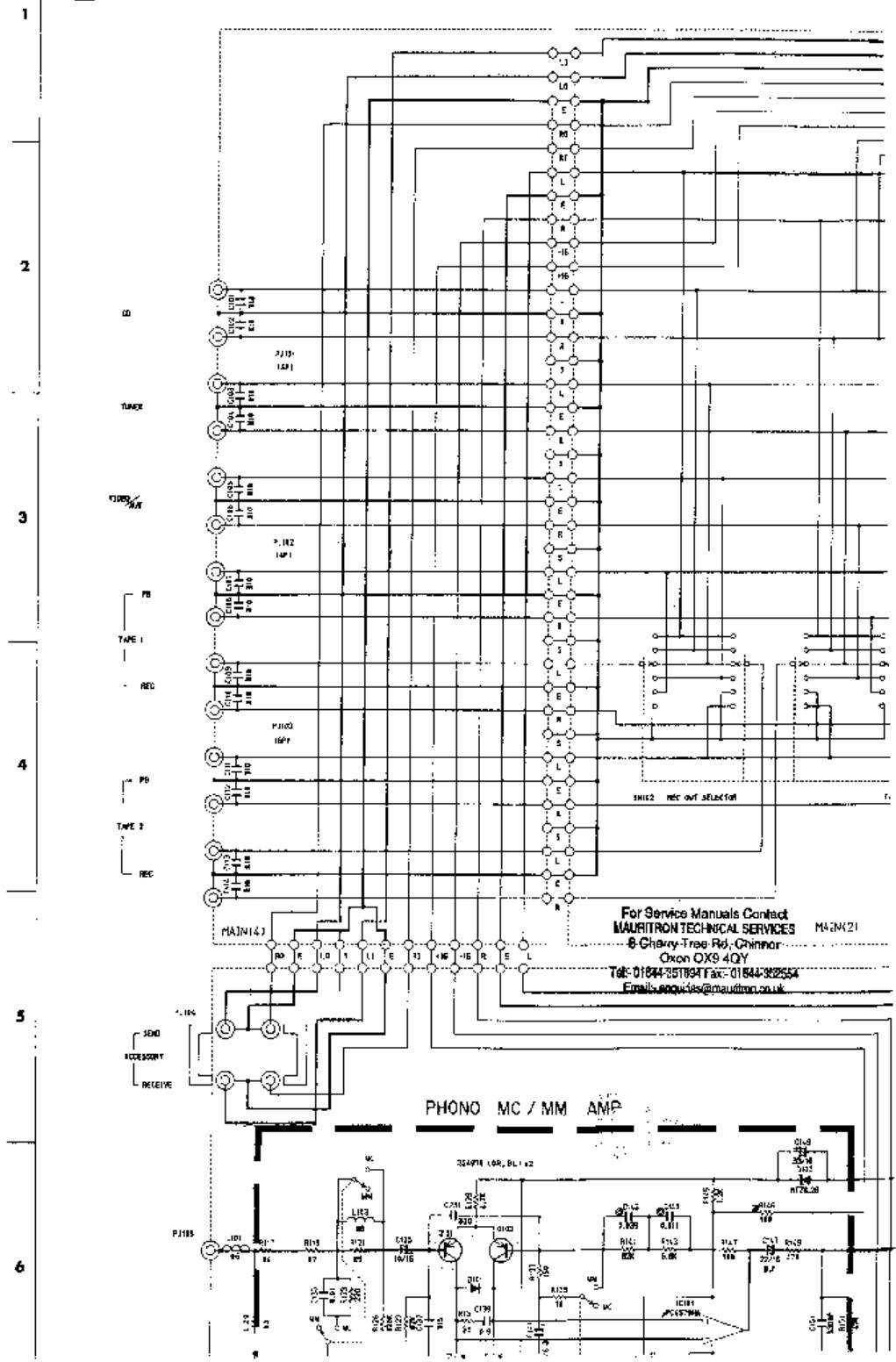
+ (L) - (R) +

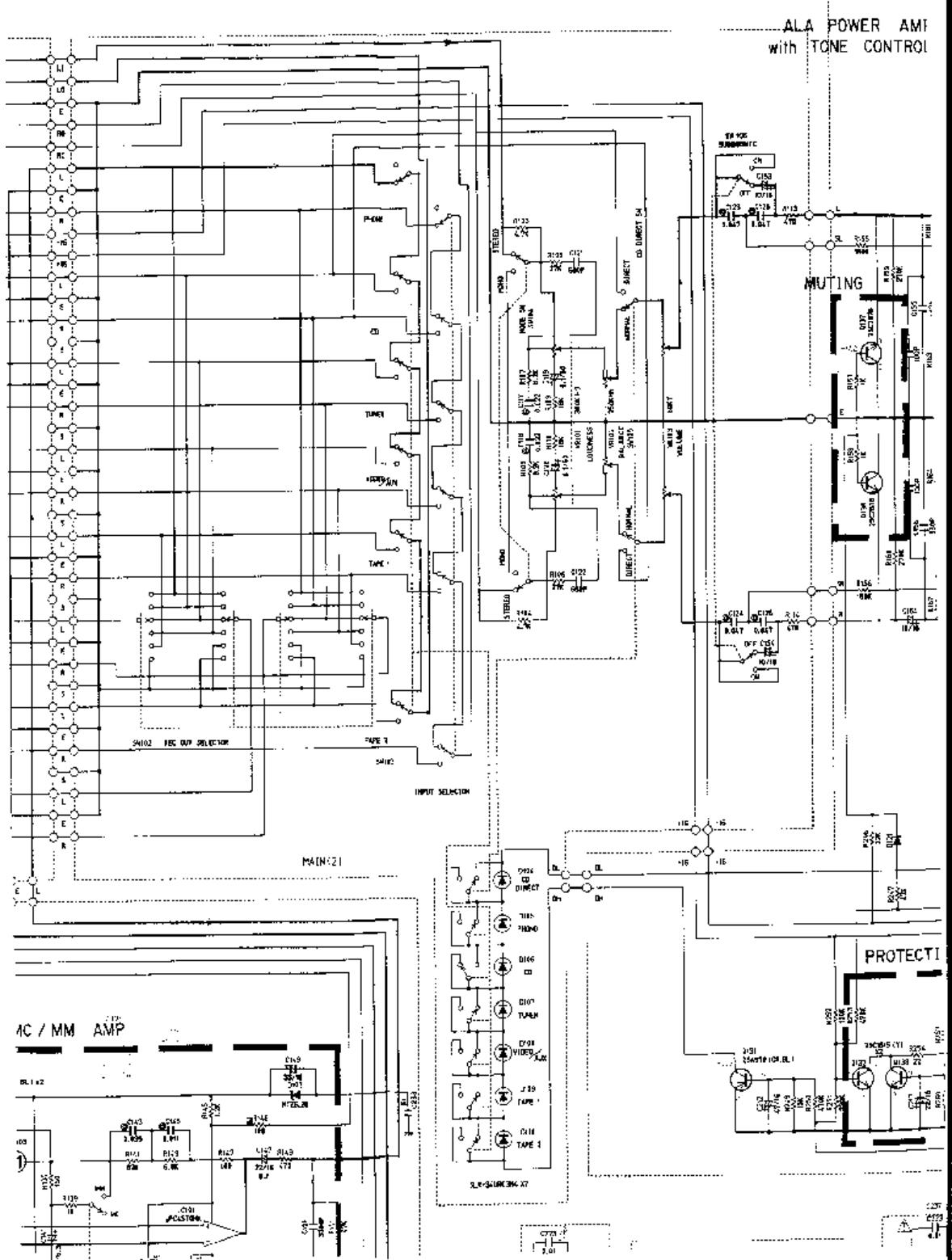


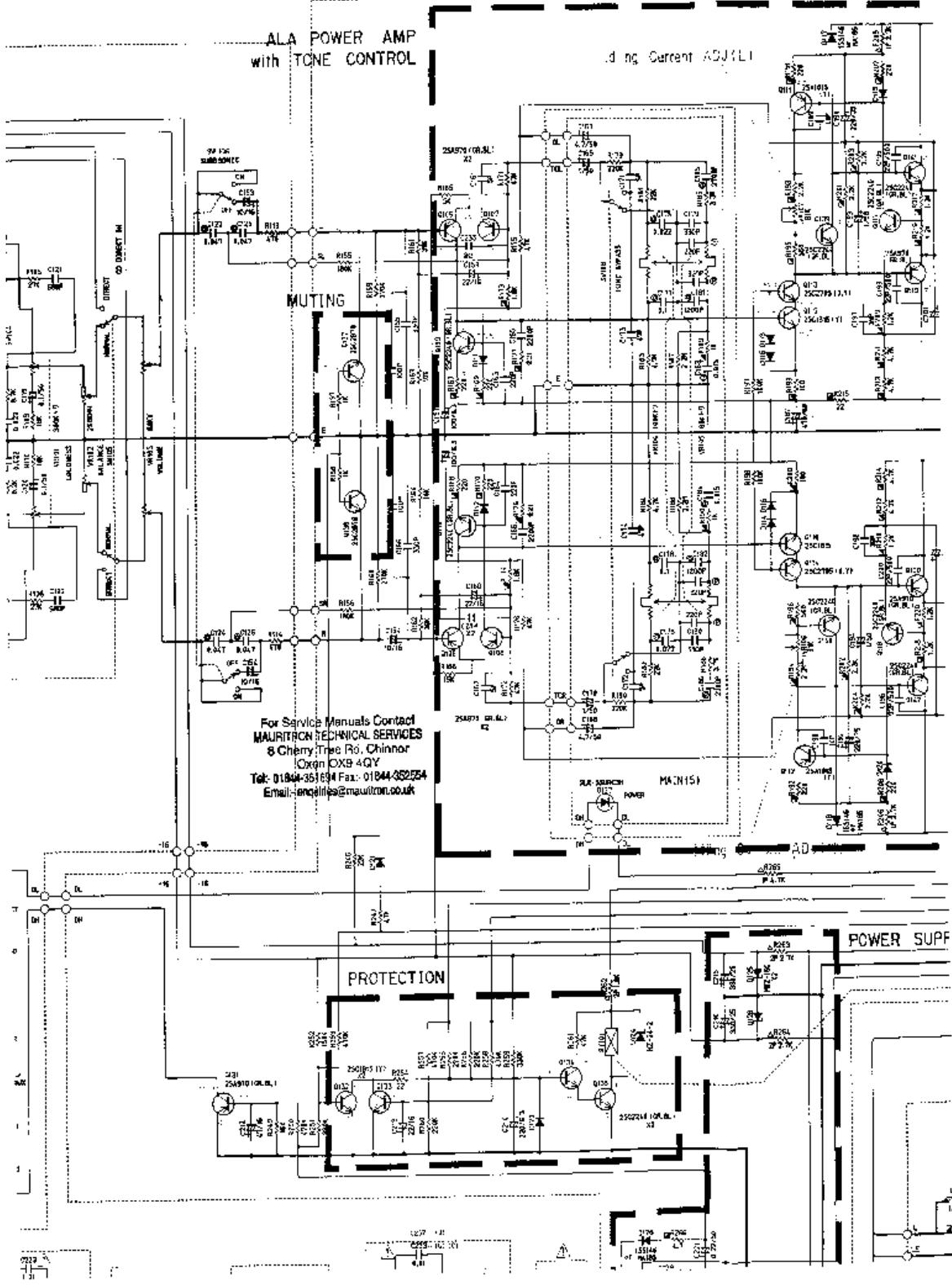
FROM : MAIN (1)

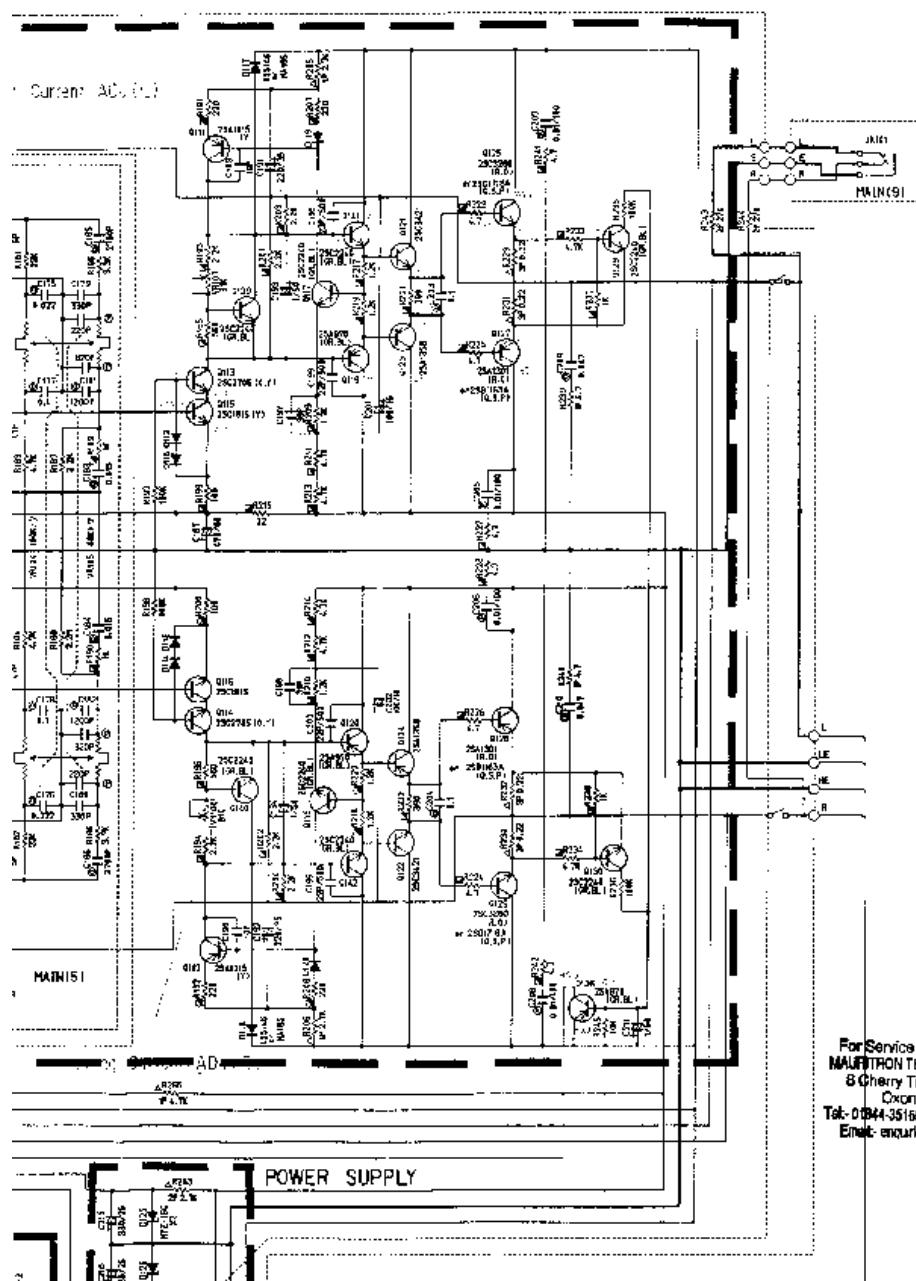
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## ■ SCHEMATIC DIAGRAM



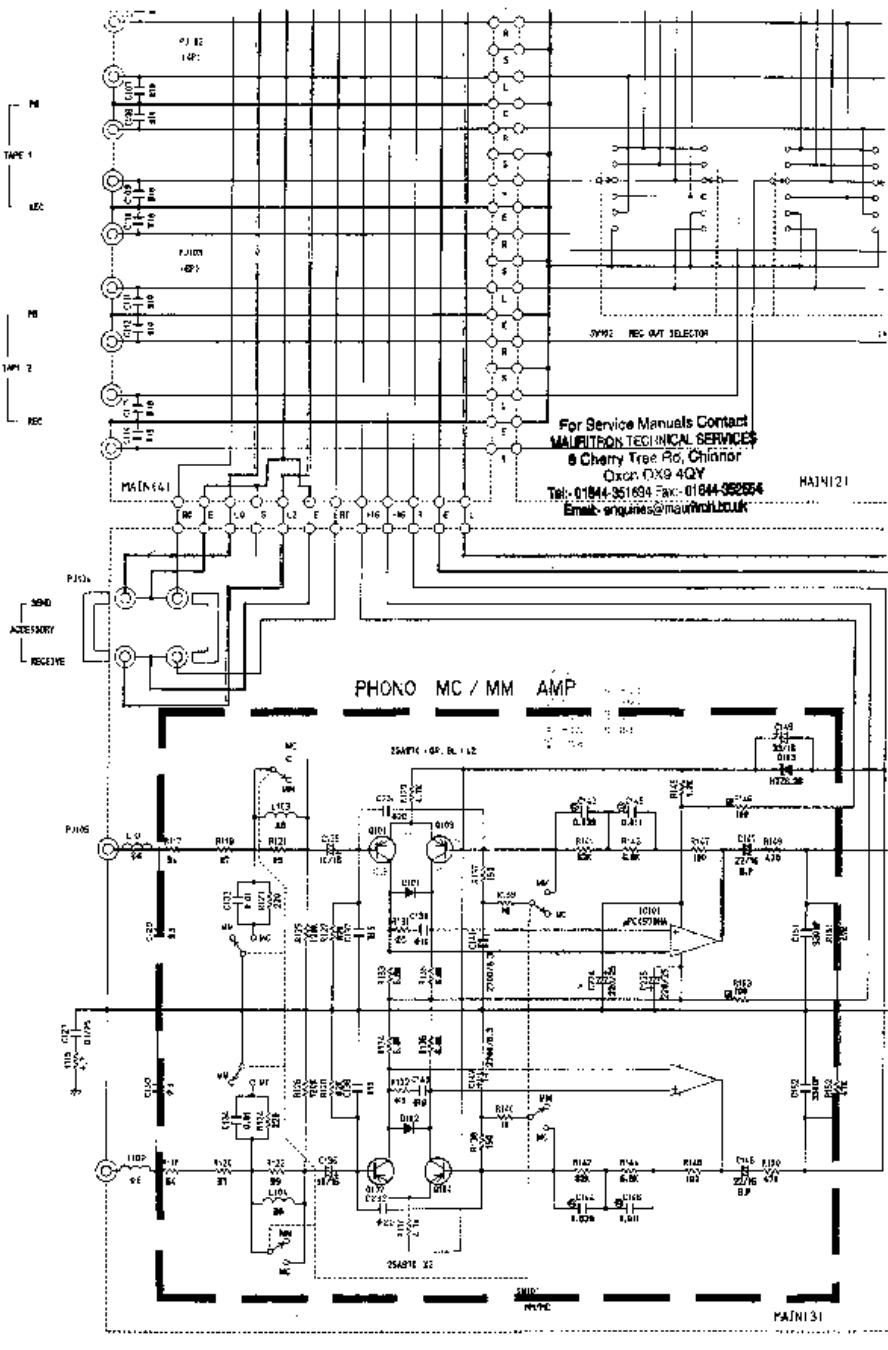




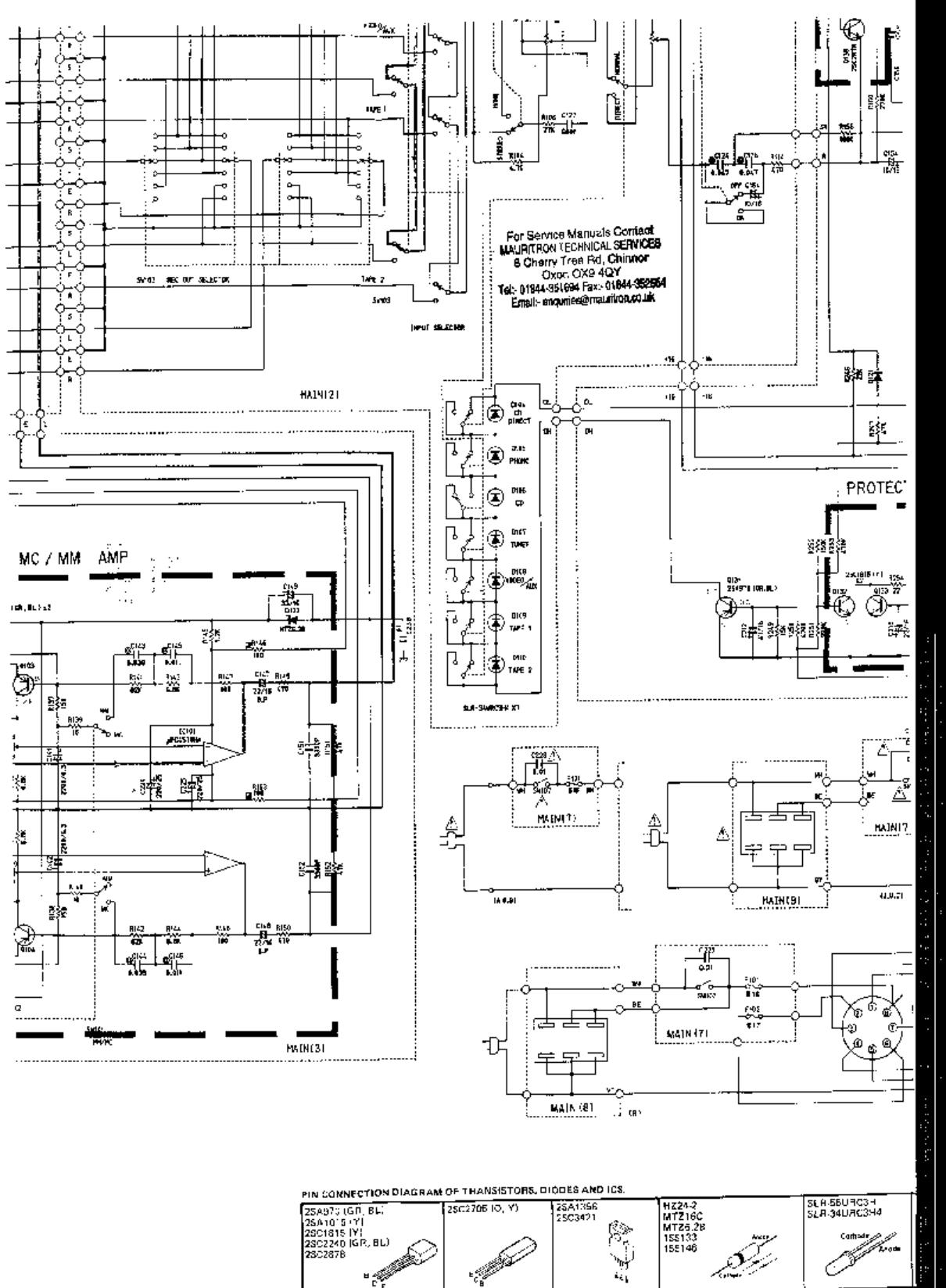


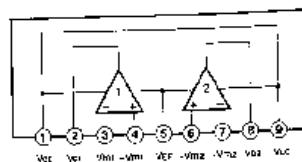
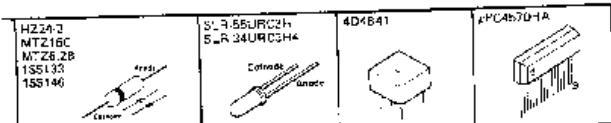
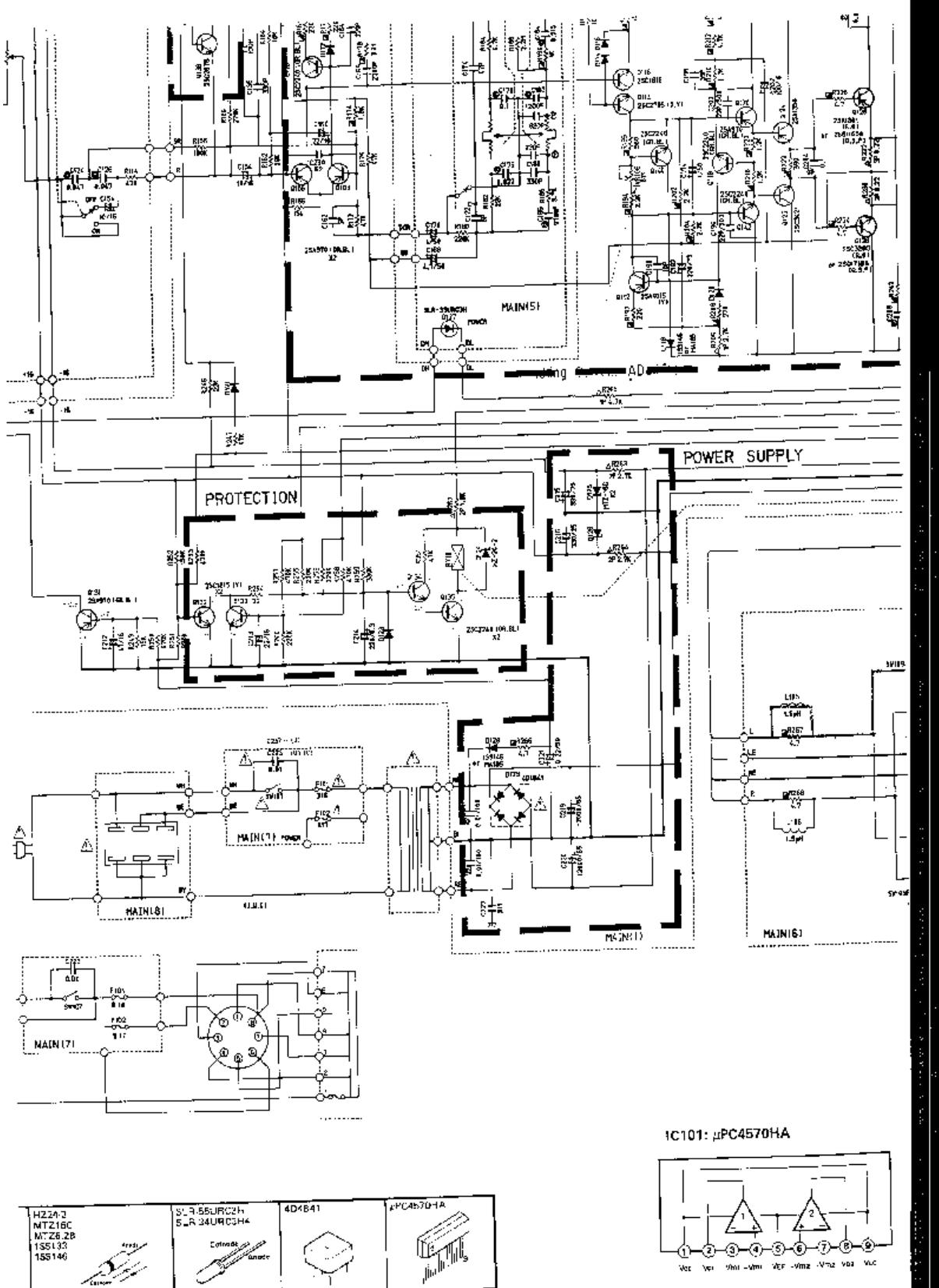
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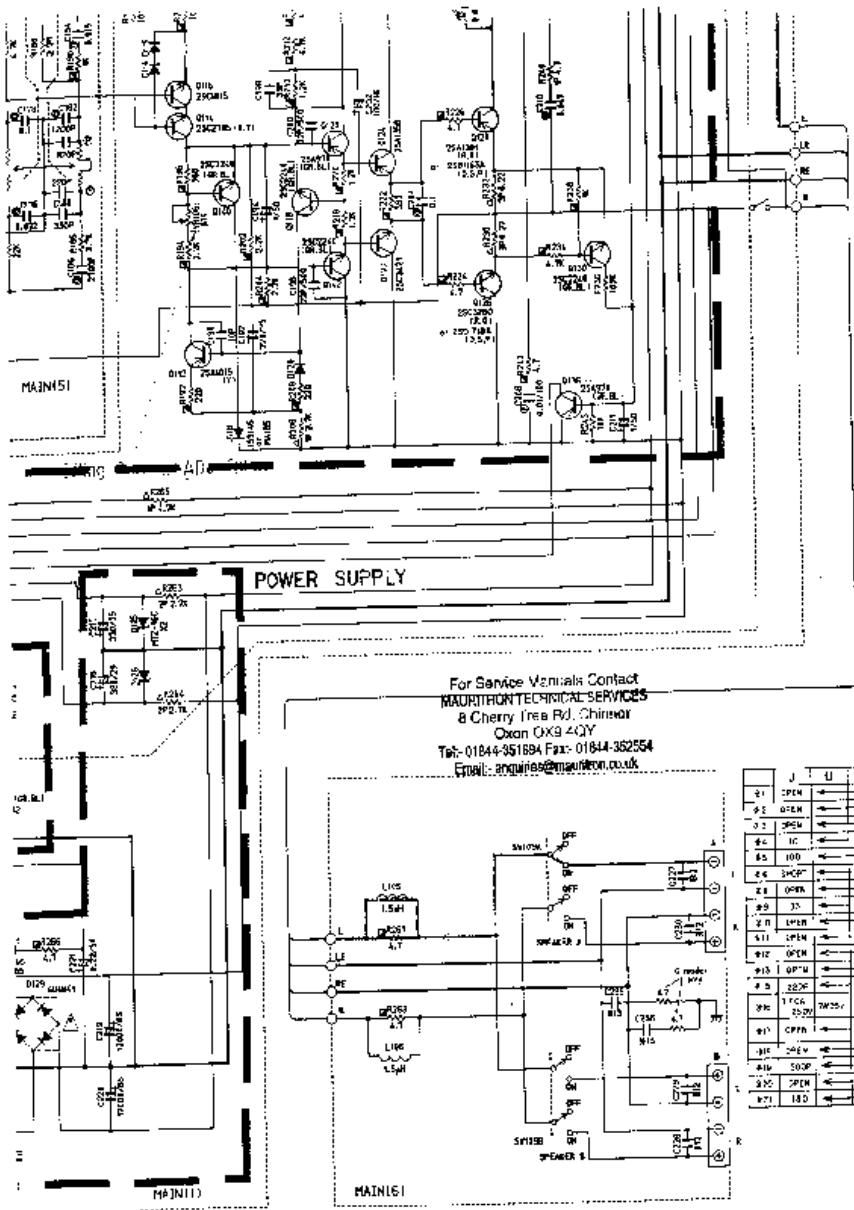
	J	U	C	R	A	R	G
J1	OPEN	-	-	-	-	-	350P
J2	OPEN	-	-	-	-	-	200P
J3	OPEN	-	-	-	-	-	150P
J4	U	-	-	-	-	-	35
M1	100	-	-	-	-	-	90
J5	OPEN	-	-	-	-	-	150P
J6	OPEN	-	-	-	-	-	220P
J7	OPEN	-	-	-	-	-	224
J8	OPEN	-	-	-	-	-	100P
J9	OPEN	-	-	-	-	-	0.21
J10	OPEN	-	-	-	-	-	0.01



PIN CONNECTIC  
25481C IC5, R!  
25A1015 Y1  
25C1015 Y2  
25C224U1GR, P  
25C227B



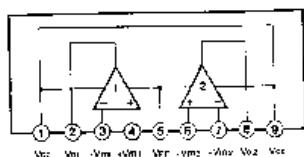




	J	I	U	C	R	A	B	G
#1	OP1	10						5600P
#2	OP2	10						210P
#3	OP3	10						150P
#4	IC	10						32
#5	100	10						1P5
#6	3K0P	10						18A
#7	OP4	10						220P
#8	10	10						1A
#9	100	10						410P
#10	100	10						0.6
#11	OP5	10						0.01
#12	OP6	10						0.005
#13	220E	10						160P
#14	170E	10						730E 250V
#15	OP7	10						470P
#16	200P	10						270P
#17	500P	10						1P5
#18	OP8	10						6P
#19	100	10						6P

LAST RD.	UNLISTED NO.
C236	16.16.126.51.88.97.22
A272	16.16.11.11.12.11.81.21.248
Q199	
Q29	121

IC101:  $\mu$ PC4570HA



- \* All voltages are measured with a 10MΩ/DC electric voltmeter.
- \* Components having special characteristics are marked and must be replaced with parts having specifications equal to those originally installed.
- \* Schematic diagram is subject to change without notice.

Printed in Great Britain 10/08/07

# PARTS LIST

AX-500/AX-500U

## ■WARNING

Components having special characteristics are marked **J**, and must be replaced with parts having specifications equal to those originally installed.

\* Carbon resistors 117BW or 174WI are not included in the ELECTRICAL PARTS list. For the parts No. of the carbon resistor, refer to p. 17.

## ■ELECTRICAL PARTS

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ランク
NA 08 24 60	Main Circuit Board		メインシート		J		
NA 09 24 70	"		"		R		
NA 09 24 80	"		"		U		
NA 09 24 90	"		"		A,B		
NA 09 25 00	"		"		G		
NA 09 25 10	"		"		C		
FI 32 41 00	Ceramic Cap.	0.01μF 250V	セラミック	C237	J	△	△
FI 41 41 00	"	0.01μF	"	C223	K,U,A,C,B	△	△
VA 98 53 00	"	0.01μF	"	"	G		
FG 21 05 00	"	5pF 50V	"	C161,162,171,172			
FG 21 11 00	"	10pF 50V	"	C189,190			
FG 21 19 90	"	38pF 50V	"	C197,198			
FG 21 14 70	"	47pF 50V	"	C173,174			
FG 21 23 20	"	330pF 50V	"	C155,156,179,180			
FG 21 21 50	"	150pF 50V	"	C129,130	G		
FG 21 21 80	"	1.0μpF 50V	"	C137,138	G		
FG 21 22 20	"	220pF 50V	"	"	J,R,JACB		
FG 21 22 2C	"	220pF 50V	"	C163,164			
FG 21 22 20	"	220pF 50V	"	C231,232	G		
FG 21 22 70	"	270pF 50V	"	C233,234	G		
FG 21 26 8C	"	680pF 50V	"	C121,122			
FG 21 24 7C	"	470pF 50V	"	C101~108,111~112	G		
FG 21 31 5C	"	500pF 50V	"	C139,140	J,R,JACB		
FG 21 32 7C	"	2700pF 50V	"	"	G		
FG 21 32 20	"	2200pF 50V	"	C165,166			
FG 21 35 60	"	5600pF 50V	"	C238	G		
FG 44 41 00	"	0.01μF 50V	"	C133,134			
FG 44 41 00	"	0.01μF 50V	"	C122,227~230	G		
FG 44 42 20	"	0.022μF 50V	"	C235,236	G		
FU 36 12 20	Mica Cap.	22pF 500V	F E マイカコ	C196,198,199,200			
FZ 00 05 30	Semi-conductive Ceramic Cap	0.1μF 25V	半導体セラミック	C127			
UA 25 31 20	Mylar Cap.	1200pF 50V	マイラーコ	C181,182			
UA 25 24 70	"	470pF 50V	"	C109,110,113,114	G		
UA 25 32 70	"	2700pF 50V	"	C185,186			
UA 25 33 30	"	3300pF 50V	"	C151,152			
UA 25 41 10	"	0.011μF 50V	"	C145,146			
UA 25 41 50	"	0.015μF 50V	"	C183,184			
UA 25 22 20	"	0.022μF 50V	"	C117,118,175,176			
UA 25 43 90	"	0.039μF 50V	"	C143,144			
UA 25 24 70	"	0.047μF 50V	"	C123~126,209,210			
UA 25 51 00	"	0.1μF 50V	"	C177,178,203,204			
UH 23 71 00	Electrolytic Cap.	10μF 16V ケシコ	E	C135,136,150,154			
UH 23 72 20	"	22μF 16V	"	C169,160,213			
UH 23 74 70	"	47μF 16V	"	C212			
UH 23 73 30	"	33μF 16V	"	C149			
JH 24 87 20	"	220μF 25V	"	C224,225			
JH 26 52 20	"	0.22μF 50V	"	C221			
JH 28 5 00	"	0.1μF 50V	"	C119,120			
JH 28 61 00	"	1μF 50V	"	C169,170,193,194			
JH 26 64 70	"	4.7μF 50V	"	C167,168			
JT 46 41 00	Polypropylene Film Cap.	0.01μF 100V ポリプロピレン	コ	C205~206,217,218			
UK 13 72 20	Electrolytic Cap.	22μF 16V ハロコ	E	C147,148			
UM 04 01 00	"	100μF 16V オーディオケミコン	コ	C201,202			

\* New Parts (新規部品)

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## AX-500/AX-500U

Ref No.	Part No.	Description	部品名	Remarks	Common Model	Markets	ランク
	UW181 92 2C	Electrolytic Cap.	2200F 6.3V	ケミコン	C141,142		
	UW184 82 30	"	330F 25V	"	C215,216		
	UW185 82 20	"	220F 35V	"	C191,192		
	UW186 84 70	"	470F 80V	"	C187		
	UW187 82 20	"	220F 6.3V	"	C214		
	UJ1118 90	"	100F 6.3V	"	C187,156		
*	VC 40170 00	"	12000F 65V	プロタケミコン	C218,220		
	GD 90 04 70	Coil Output	1.5A,H	アフトブットコイル	L105,106		
	VA 98 35 00	Coil	15A,H	コイル	L101,102	G	
	VA 98 36 00	"	220A,H	"	L103,104	G	
	HL 71 34 70	Metal Oxide Film Resistor	4.7Ω 1W	マッキントッシュ	R239,240		
	HL 71 62 70	"	2.7kΩ 1W	"	R205,206		
	HL 71 64 70	"	4.7kΩ 1W	"	R265		
	HL 72 52 70	"	270Ω 2W	"	R243,244		
	HL 72 62 70	"	2.7kΩ 2W	"	R263,264		
	HL 72 61 80	"	7.8kΩ 2W	"	R262		
	HL 93 22 20	"	0.22Ω 3W	"	R229~232		
	HV 45 34 70	Film Prod Carbon Resistor	4.7Ω 1.4W	不燃化カーボン抵抗	R228~229,241,242		
	HV 45 42 20	"	22Ω 1.4W	"	R215		
	HV 45 54 00	"	100Ω 1.4W	"	R 46 153,189,200		
	HV 45 51 80	"	180Ω 1.4W	"	R 77 178	J.P.U.A.C.B	
	HV 45 48 20	"	82Ω 1.4W	"	"	G	
	HV 45 52 20	"	220Ω 1.4W	"	R187~170,191, 182,202,208		
	HV 45 53 80	"	39Ω 1.4W	"	R221,222		
	HV 45 55 80	"	560Ω 1.4W	"	R195,196		
	HV 45 61 00	"	1kΩ 1.4W	"	R189,190,237,238		
	HV 45 61 20	"	1.2kΩ 1.4W	"	R208,210,217-- 220		
	HV 45 61 80	"	1.8kΩ 1.4W	"	R173,174		
	HV 45 62 20	"	2.2kΩ 1.4W	"	R193,194, 201~204		
	HV 45 64 70	"	4.7kΩ 1.4W	"	R211~214,223, 224		
*	VA 7B 76 00	Pre-Set Potentiometer	B1kΩ	半固定抵抗	VR106,107		
	VC 23 71 00	Potentiometer	250KMN	可変抵抗器	VR102		
	VC 23 72 00	"	80K特	"	VR105		
	VC 23 73 00	"	100K特	"	VR104		
	VC 23 74 00	"	60KY	"	VR103		
	VC 29 74 00	"	300K特	"	VR101		
	IA 09 70 00	Transistor	2SA378;31,BL1	トランジスター	D101~108,119, 120,131,136		
	IA 10 15 21	"	2SA1015(Y)	"	D111,112		
	IC 16 15 20	"	2SC1815(Y)	"	D115,116,132, 133		
	IC 22 40 00	"	2SC2240EF,BL	"	D134~136,137~151,129, 130,131,132		
	IX 60 08 90	"	2SC2878	"	Q137,138		
	IC 22 40 00	"	2SC2240EF,BL	"	Q129,140		
	IC 27 05 00	"	2SC2705(O,Y)	"	Q113,114		
	IX 60 85 10	"	2SA1358	"	Q123,124		
	IX 60 85 20	"	2SC3421	"	Q121,122		
	IT 00 19 45	Zener Diode	-Z24-2	ツナーダイオード	D124		
	IF 00 86 40	"	MTZ 6C	"	D125,126		
	IF 00 10 70	"	V.TZ6.2B	"	D108		

\* New Parts (新規部品)

Ref No.	Part No	Description	部品名	Remarks	Common Model	Markets	ランク
IF-00142-70	LED	SLR-5EURC3P	L E D	D127			
IF-00123-80	"	SLR-34URC3H4	"	D104~110			
IF-00146-00	Diode	ISS133	ダイオード	F102,103,127,133~146			
IF-00161-30	"	ISS146	"	D117,118,128			
JH-00106-70	Diode Bridge	4D4B41	ダイオードブリッジ	D129			
XB-24-70-01	IC	PC4570HA	I C	IC101			
KC-00119-40	Relay	DH24D2-CTM	R Y	- RY101			
KC-00120-00	"	JR2A-DC24V	"	" chiyoda			
VC-12-67-00	Push Switch	NS4-2	プッシュスイッチ	SW105			
VC-24-85-00	"	NS2-2	"	SW104,106			
VC-23-77-00	"	6連差動NS4-2	"	SW103			
VC-30-99-00	"	S-2	"	SW101			
VC-37-24-00	"	2差動SPUP2-2	"	SW109			
VC-37-81-00	"	S2-2	"	SW106			
VC-23-78-00	Rotary Switch	SR2-U	ロータリースイッチ	SW102			
VC-40-97-00	Power Switch	TV-4	パワースイッチ	SW107			
KB-001C3-70	Fuse	T3.5A 250V	ヒューズ	F102	R		
KB-001C7-00	"	T3.15A 250V	"	F101	A,G,B		
KB-0013-00	"	T7.0A 250V	"	"	J,R		
KB-0015-20	"	7A 125V	"	"	U,C		
LB-30116-90	Phone Jack		ヘッドホーンジャック	JK101			
LB-20122-90	Pin Jack	2P	ビンジャック	PJ105			
LB-40110-30	"	4P	"	PJ101,102,104			
LB-60160-90	"	5P	"	PJ103			
VA-93-28-00	Voltage Selector		電圧切換器				
CB-64-46-70	Cover Capacitor	HY-0105	コンデンサーカバー		G		
LB-20110-60	Fuse Holder Pin	YSH403T	ヒューズホールダーピン		A,G,B		
LB-20118-70	"	23165081	"		J,R,U,C		
LB-60142-80	AC Outlet		A.C アウトレット		J,R		
LB-601B1-70	"		"		U,C		
VA-72-55-00	Holder,Wire	5P	バラレルホルダー				
VA-72-56-00	"	8P	"				
VA-72-60-00	"	10P	"				
VA-72-62-00	"	12P	"				
VB-22-98-00	Wire Trap	BP	ワイヤートラップ				
VA-72-53-00	Holder,Wire	3P	バラレルホルダー				
VC-31-37-00	Speaker Terminal	BP	スピーカーターミナル		J,R,U,C,B		
VC-32-09-00	"	BP	"		G		
VA-82-15-00	Heat Sink		放熱板		C		
BB-06195-10	Ground Plate		ランド金具				
BB-07113-60	Terminal, Screw		ネジ等				
EK-33-00-20	Cup Screw	3X14 FJHM3-B1	カッパースクリュー(Bタイプ)	For Service Manuals Contact MAURITRON TECHNICAL SERVICES 8 Cherry Tree Rd, Chittenden Oxon OX114QY Tel: 01844-351694 Fax: 01844-322554 Email: <a href="mailto:enquiries@mauritron.co.uk">enquiries@mauritron.co.uk</a>	C		

\*New Parts (新規部品)

## MECHANISM PARTS

Note)  $\phi$ : Diameter

Ref. No.	Part No.	Description	部品名	Remarks	Common Model	Markers	ランク
*	1 NB 64 00 30	Panel Unit	パネルユニット	Silver		R,A,G,B	
*	" NB 64 00 50	"	"	Black		R,A,G,B	
*	" NB 64 00 40	"	"	Silver		U,C	
*	" NB 64 00 60	"	"	Black		U,C	
*	" NB 64 00 40	"	"	Black		J	
*	" NB 64 00 50	"	"	Silver		J	
*	1-1 CB 65 91 80	Button Input	ボタンインプット	Black			
*	" CB 65 92 00	"	"	Silver			
1-2	AA 63 22 00	Spacer	スペーサー				
1-3	CB 09 98 00	Plastic Rivet	プラスチックリベット				
2	IX 60 61 10	Transistor	トランジスタ	Q127,128 unmarked chargeable			
"	IX 60 61 30	"	"	2SK 634 (Q,S,P)	"		
3	IX 60 81 20	"	"	2SC3280 (Q,P)	Q125,126 unmarked chargeable		
"	IX 60 81 40	"	"	2SD1718A (Q,S,P)	"		
4	VC 65 7B 00	Sheet	シングルシート				
"	VC 39 72 00	"	デンカシート				
5	EK 33 00 20	BW Head Tapping Screw	3x14#02M02 B	BWヘッドタッピングネジ			
6	BA 09 55 60	Heat Sink	放熱シート			J	
7	NA 09 24 80	Main Circuit Board	メインシート			R	
A	NA 09 24 70	"	"			U	
"	NA 09 24 80	"	"			A,B	
"	NA 09 24 90	"	"			G	
"	NA 09 25 00	"	"			C	
"	NA 09 25 10	"	"			J	
B	CB 61 68 10	Cord Stopper	コードストッパー			R,A,G,B	
"	CB 62 01 90	"	CM-22A	"		U,C	
"	CB 62 02 00	"	CM-22C	"			
*	9 XB 79 10 02	Power Transformer	電源トランス			R	
"	XB 79 00 02	"	"			J	
"	XB 79 20 02	"	"			U	
"	XB 79 30 02	"	"			A,B	
"	XB 79 40 02	"	"			G	
"	XB 79 50 02	"	"			C	
10	LA 00 29 50	Terminal Board	中継端子台			A,G,B	
11	LB 10 11 10	Plug,Short	ショートプラグ				
12	MG 00 17 50	Power Cord	7A 125V 2.2m	電源コード	chargeable	J	
"	MG 00 17 60	"	7A 125V 2.2m	"	chargeable	J	
"	MG 00 16 30	"	6A 250V 2m	"		R	
"	MG 00 22 20	"	10A 125V 1.95m	"	chargeable	U,C	
"	MG 00 23 70	"	±0A 125V 2m	"	chargeable	U,C	
"	MG 00 09 20	"	7.5A 250V 2.5m	"	chargeable	A	
"	MG 00 14 90	"	7.5A 250V 2.5m	"	chargeable	A	
"	MG 00 23 10	"	7.5A 250V 2m	"		A	
"	MG 00 16 20	"	2.5A 250V 2m	"		G	
"	MG 00 18 60	"	2.5A 250V 2m	"		B	
*	13 AA 63 12 80	Top Cover	トップカバー	Black			
"	AA 63 12 90	"	"	Silver			
*	14 AA 63 13 20	Bottom Cover	ボトムカバー			J	
*	15 AA 63 13 30	Rear Panel	リアパネル			R	
"	AA 63 13 40	"	"			U,C	
"	AA 63 13 50	"	"			G	
"	AA 63 13 60	"	"				
"	AA 63 13 70	"	"			A,B	

\* New Parts (新規部品)

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AX-500/AX-500U

#### \*New Parts (新規部品)

## Parts List for Carbon Resistor

Value	1/4W Type Part No.	1/6W Type Part No.	Value	1/4W Type Part No.	1/6W Type Part No.
1.0 Ω	HJ353100	*	12KΩ	HJ357120	HFB57120
1.8 "	HJ353180	*	15 "	HJ357150	HFB57150
2.2 "	HJ353220	HFB53220	18 "	HJ357180	HFB57180
3.3 "	HJ353330	HFB53330	22 "	HJ357220	HFB57220
4.7 "	HJ353470	HFB53470	27 "	HJ357270	HFB57270
5.6 "	HJ353560	HFB53560	33 "	HJ357330	HFB57330
10 "	HJ354100	HFB54100	39 "	HJ357390	HFB57390
15 "	HJ354150	HFB54150	47 "	HJ357470	HFB57470
22 "	HJ354220	HFB54220	56 "	HJ357560	HFB57560
27 "	HJ354270	HFB54270	68 "	HJ357680	HFB57680
33 "	HJ354330	HFB54330	82 "	HJ357820	HFB57820
39 "	HJ354390	HFB54390	91 "	HJ357910	HFB57910
47 "	HJ354470	HFB54470	100 "	HJ358100	HFB58100
56 "	HJ354560	HFB54560	120 "	HJ358120	HFB58120
68 "	HJ354680	HFB54680	150 "	HJ358150	HFB58150
82 "	HJ354820	HFB54820	180 "	HJ358180	HFB58180
100 "	HJ355100	HFB55100	220 "	HJ358220	HFB58220
110 "	HJ355110	HFB55110	270 "	HJ358270	HFB58270
120 "	HJ355120	HFB55120	330 "	HJ358330	HFB58330
150 "	HJ355150	HFB55150	390 "	HJ358390	HFB58390
160 "	HJ355160	*	470 "	HJ358470	HFB58470
180 "	HJ355180	HFB55180	560 "	HJ358560	HFB58560
220 "	HJ355220	HFB55220	680 "	HJ358680	HFB58680
270 "	HJ355270	HFB55270	820 "	HJ358820	HFB58820
330 "	HJ355330	HFB55330	1.0MΩ	HJ359100	HFB59100
390 "	HJ355390	HFB55390	1.2 "	HJ359120	*
470 "	HJ355470	HFB55470	1.5 "	HJ359150	HFB59150
510 "	*	HFB55510	1.8 "	HJ359180	HFB59180
560 "	HJ355560	HFB55560	2.2 "	HJ359220	HFB59220
680 "	HJ355680	HFB55680	3.3 "	HJ359330	HFB59330
820 "	HJ355820	HFB55820	3.9 "	HJ359390	*
910 "	HJ355910	HFB55910	4.7 "	HJ359470	*
1.0KΩ	HJ356100	HFB56100			
1.2 "	HJ356120	HFB56120			
1.5 "	HJ356150	HFB56150			
1.8 "	HJ356180	HFB56180			
2.0 "	HJ356200	HFB56200			
2.2 "	HJ356220	HFB56220			
2.4 "	HJ356240	HFB56240			
2.7 "	HJ356270	HFB56270			
3.0 "	HJ356300	HFB56300			
3.3 "	HJ356330	HFB56330			
3.6 "	HJ356360	HFB56360			
3.9 "	HJ356390	HFB56390			
4.7 "	HJ356470	HFB56470			
5.1 "	HJ356510	HFB56510			
5.6 "	HJ356560	HFB56560			
6.8 "	HJ356680	HFB56680			
8.2 "	HJ356820	HFB56820			
9.1 "	HJ356910	HFB56910			
10 "	HJ357100	HFB57100			

